

TO DEPT. OF PUBLIC WORKS ENVIRONMENTAL SERVICES - (DPWE)
RESIDENTIAL INSPECTIONS BRANCH - (OBOS)

FILE UNDER

FROM: HEALTH DEPARTMENT/ENVIRONMENTAL SERVICES SECTION

RE: NOTIFICATION OF ISSUANCE OF SEPTIC TANK PERMIT AND/OR WELL PERMIT

DATE: 10/31/2001

OWNER'S NAME: TOM AND DIANE SCHULER

BUILDING APPLICATION NUMBER 01296B1190

SUBDIVISION: SENECA FARMS SEC: 3 BLOCK: LOT 26

TAX MAP IDENTIFICATION: 2-2-002-26

PROPERTY ADDRESS: 227 DONMORE DRIVE, GREAT FALLS, VA 22066

HEALTH DEPARTMENT PERMIT#: 129 - 01 - 1413

PERMIT ISSUED FOR: ☒ SEWAGE DISPOSAL ☒ WELL ☐ OTHER

TO SERVE: ☒ RESIDENTIAL ☐ COMMERCIAL

☐ OTHER - DESCRIBE:

SEWAGE DISPOSAL SYSTEM DESIGNED FOR: FIVE BEDROOMS OR 750 GPD
(ALL PERMITS FOR DWELLING ARE DESIGNED TO INCLUDE AUTOMATIC WASHER AND GARBAGE DISPOSAL)

REMARKS:
THE ABOVE TO BE FAXED TO PERMITS DIVISION (OBOS) AND ORIGINAL TO BE ATTACHED WITH PERMIT.

NOTIFICATION OF FINAL APPROVAL

SEWAGE DISPOSAL SYSTEM

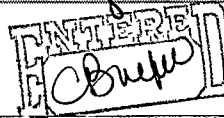
APPROVED: 8-15-2002

WATER SUPPLY SYSTEM

APPROVED: 8-15-2002

SIGNATURE:

John M. Schuler



DATE:

UPON FINAL APPROVAL, ONE COPY TO BE FAXED TO RESIDENTIAL INSPECTIONS BRANCH, ORIGINAL TO BE ATTACHED ON TOP OF FILE

NUMBER OF BEDROOMS AT FINAL INSPECTION: 5

STICKER PLACED: 8-15-02 INITIALS: MS

**FDV (CHECK ONE) ☒ YES ☐ NO

SPECIAL HANDLING

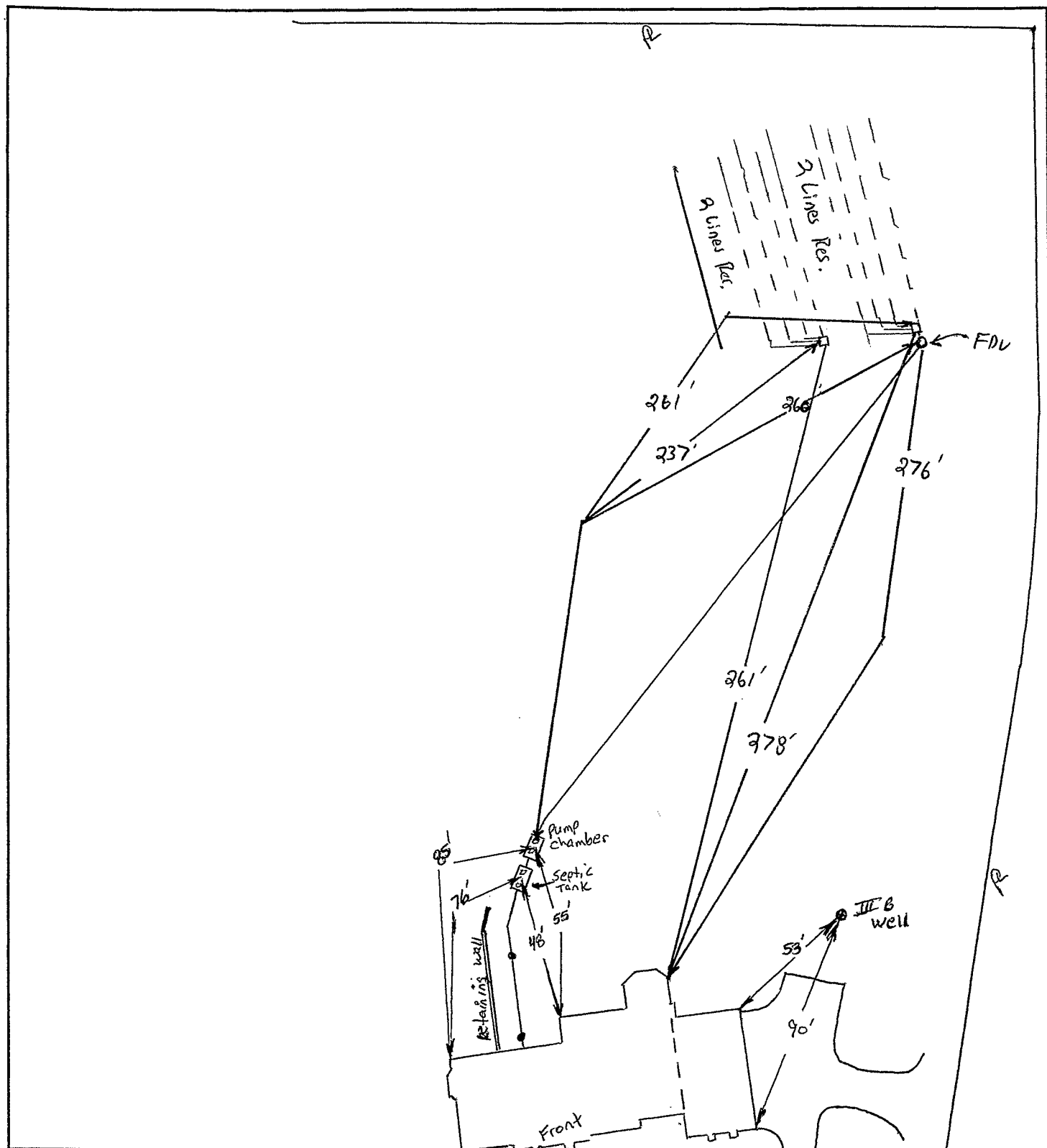
FAIRFAX COUNTY HEALTH DEPARTMENT
SEWAGE DISPOSAL SYSTEM/WELL WATER SUPPLY AS-BUILT

Tax Map ID: 12-3-0020-30

Street Address: 227 Don more dr

Subdivision: Brandermill

City, State, Zip: Great Falls VA 22066





Fairfax County Health Department
Division of Environmental Health
ONSITE SEWAGE AND WATER SECTION
PERMIT TO REPAIR ONSITE SEWAGE SYSTEM

Health Department # 80891095 Tax Map # 0022 02 0026 Date 3/23/2020

Owner Diane Schuler Phone 703-328-1310

Property Address 227 Donmore Dr, Great Falls, VA 22066

Subdivision Seneca Farms Sec./Block Sec. 3 Lot 26

Type of System Conventional Pump System Design 5 Bedroom/750 GPD

Owner/Agent Diane Schuler Phone 703-328-1310

Mailing Address 227 Donmore Dr, Great Falls, VA 22066

For: ☒ Dwelling ☐ Commercial Property ☐ Other, describe: _____

This permit authorizes the following repairs:

- | | |
|---|--|
| ☐ Replace and/or repair sewer line. | ☐ Replace damaged flow diversion valve and/or valve stem. |
| ☒ Replace <u>1</u> malfunctioning effluent pump(s) with pump(s) <u>Liberty Fl60</u>
rated at a minimum of 40 gpm @ <u>27.08</u> feet of TDH and a
maximum of 80 gpm @ <u>51.32</u> feet of TDH. Pumps must be
equivalent to originally approved pumps. | ☐ Replace <u> </u> malfunctioning pump chamber float(s) and/or
<u> </u> gate valve(s) and/or <u> </u> check valve(s) and/or piping.
Reset drawdown between on and off float to <u> </u> inches. |
| ☐ Replace electrical junction box on the pump chamber. | ☐ Replace and/or reparge <u> </u> damaged distribution box
(es). |
| ☐ Replace septic tank lid and/or pump chamber lid. | ☐ Replace outlet and/or inlet tee(s). |
| ☐ Replace or repair pump control box. | ☐ Other: _____ |
| ☐ Replace or repair force main. | _____ |
| ☐ Replace and/or repair conveyance line and/or header lines | _____ |

Comments: _____

Note: Repairs must be made in accordance with all applicable State Regulations and County Codes. All repairs must be inspected by the Fairfax County Health Department upon completion. Contact the Fairfax County Health Department at 703-246-2201 to arrange for an inspection date.

Further repairs may be required to the Onsite Sewage System if problems are identified during repairs and/or inspections. This Onsite Sewage System repair is null and void if conditions are changed from those shown on the repair permit. No part of any repair shall be covered until inspected, corrections made if necessary, and approved, by the Health Department or unless expressly authorized by the Health Department. Any part of any repair which has been covered prior to approval shall be uncovered, upon the direction of the Department.

Date: 3/23/2020 Issued by: Dreg Barlin
Environmental Health Specialist

Date: 3/25/20 Repairs Approved by: [Signature]
Environmental Health Specialist

Date: 3/26/2020 Reviewed by: Dreg Barlin
Environmental Health Supervisor

Five 875 sq ft

Completion Statement

Commonwealth of Virginia
State Department of Health

Health Department
Identification Number:

80891095
Fairfax County Health Department

Name of Company/Corporation/Individual:

FIVE STAR SEPTIC

Address:

45910 Transamerica plaza # 103

Telephone:

703-716-0707

Owner's Name:

Diane Shuller

Owner's Address:

227 Donmore Dr, Great Falls, VA 22066

Location of Installation: Lot:

26

Block:

Section:

3

Subdivision:

Seneca Farms LT 26
SEC 3

Other:

TM# 0022-02-0026

I hereby certify that the onsite sewage disposal system has been installed and completed in accordance with the construction permit issued

(Date)

3/23/20

and is in compliance with Part D of the Sewage Handling and Disposal Regulations and when appropriate the plans and

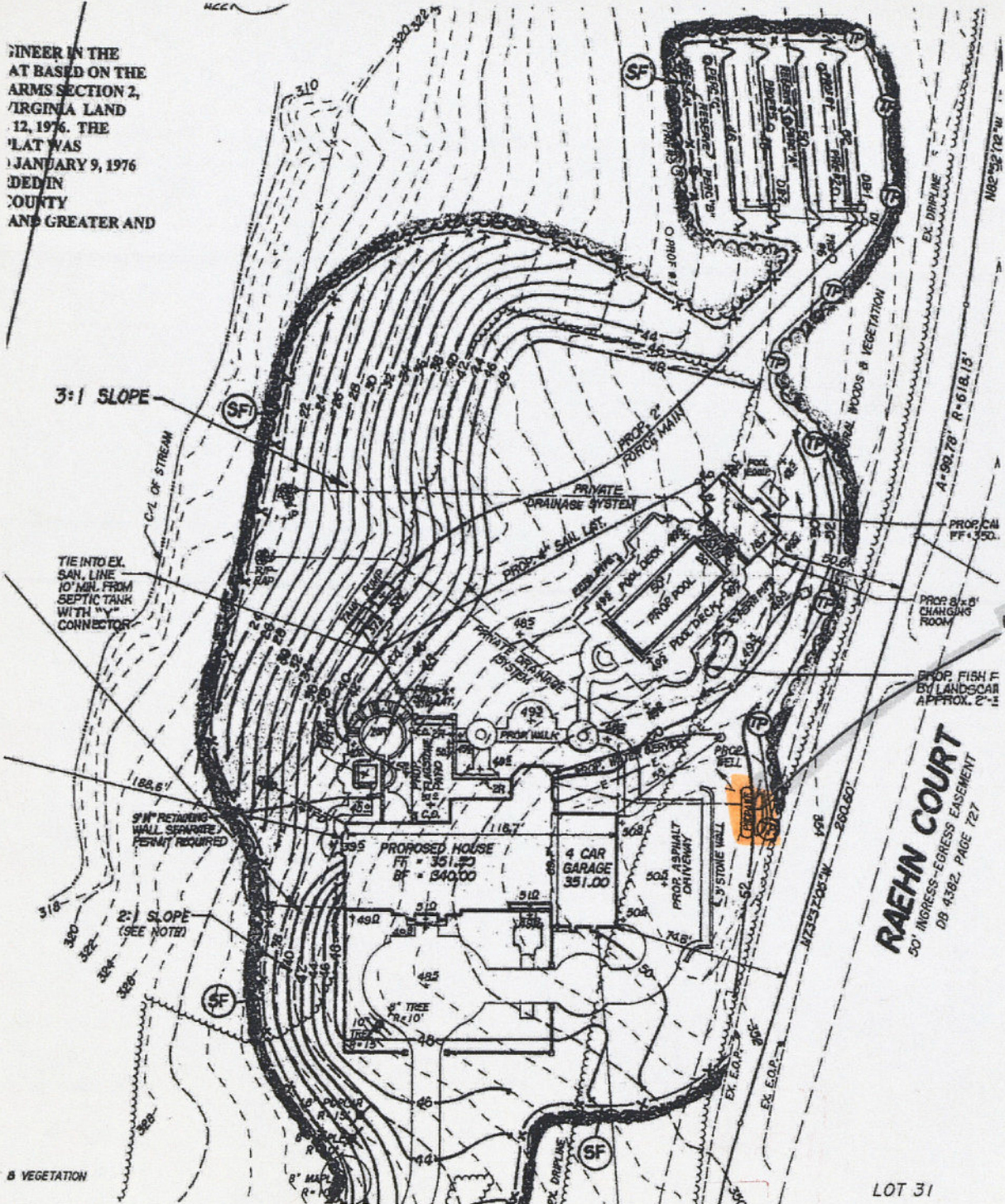
specifications for the project.

Date

3/25/2020

Signature and Title

ENGINEER IN THE
AT BASED ON THE
ARMS SECTION 2,
/IRGINIA LAND
12, 1976. THE
'LAT WAS
JANUARY 9, 1976
DED IN
COUNTY
AND GREATER AND



RAEHN COURT
50' INGRESS-EGRESS EASEMENT
DB 4382, PAGE 727

NEW 1006 VP
TALL

APPROVED
FAIRFAX COUNTY HEALTH DEPARTMENT

10/21/16
Date

Doug Barber
Health Official

HEALTH DEPARTMENT

Completion Statement

Commonwealth of Virginia
State Department of Health

Health Department
Identification Number

50891095

Health Department

Name of Company/Corporation/Individual:

FFX
Five Star Septic

Address:

~~2370 Danmore~~ Transamerica Telephone:

Owner's Name

Schuler

Plaza Suite 103 Sterling VA

Owner's Address

227 Danmore Dr. Great Falls VA 20166

Location of Installation: Lot

26

Block

522066

Section:

3

Subdivision:

SENECA FARMS

Other:

2-2-002-26

I hereby certify that the onsite sewage disposal system has been installed and completed in accordance with the construction permit issued (date) 6-14-16 and is in compliance with Part D of the Sewage Handling and Disposal Regulations and when appropriate the plans and specifications for the project.

10-12-16

Date

#1944001342

Signature and Title



Fairfax County Health Department.
Division of Environmental Health
ONSITE SEWAGE AND WATER SECTION
PERMIT TO REPAIR ONSITE SEWAGE DISPOSAL SYSTEM

Work must be completed by a
DPOR licensed and Health
Department registered sewage
disposal contractor

Health Department # 80891095 Tax Map # 2-2-002-26 Date 6/14/2016

Owner Thomas & Diane Schuler Phone (703) 404 - 0102

Property Address 227 Donmore Drive, Great Falls, VA 22066

Subdivision Seneca Farms Sec./Block 3 Lot 26

Type of System II-Conventional Pump System Design 5 Bedrooms/750 gallons per day

Owner/Agent Thomas & Diane Schuler Phone (703) 404 - 0102

Mailing Address 227 Donmore Drive, Great Falls, VA 22066

For: ☒ Dwelling ☐ Commercial Property ☐ Other, describe: _____

This permit authorizes the following repairs:

- ☐ Replace and/or repair sewer line. ☐ Replace or repair force main.
- ☒ Replace malfunctioning effluent pump(s) with pump(s) ☐ Replace and/or repair conveyance line and/or header lines
rated at a minimum of 40 gpm @ feet of TDH and a
maximum of 80 gpm @ feet of TDH. Pumps must be ☐ Replace damaged flow diversion valve and/or valve stem.
equivalent to originally approved pumps.
- Type: Model: ☒ Replace 3 malfunctioning pump chamber float(s) and/or
 gate valve(s) and/or 2 check valve(s) and/or piping.
Reset drawdown between on and off float to 5.80 inches.
- ☐ Replace septic tank and/or pump chamber in the same location.
- ☐ Replace electrical junction box on the pump chamber.
- ☐ Replace and/or repace damaged distribution box(es).
- ☒ Replace septic tank lid and/or pump chamber lid. ☐ Replace outlet and/or inlet tee(s).
- ☐ Replace or repair pump control box. ☐ Other.

Comments: _____

Note: Repairs must be made in accordance with all applicable State Regulations and County Codes. All repairs must be inspected by the Fairfax County Health Department upon completion. Contact the Fairfax County Health Department at 703-246-2201 to arrange for an inspection date.

Further repairs may be required to the Sewage Disposal System if problems are identified during repairs and/or inspections. This sewage disposal system repair is null and void if conditions are changed from those shown on the repair permit. No part of any repair shall be covered until inspected, corrections made if necessary, and approved, by the Health Department or unless expressly authorized by the Health Department. Any part of any repair which has been covered prior to approval shall be uncovered, upon the direction of the Department.

Date: 6/14/2016 Issued by: Gregory E. Barber
Environmental Health Specialist

Date: 10-12-16 Repairs Approved: [Signature]
Environmental Health Specialist

Date: 10-13-2016 Reviewed by: Marty Shanner
Environmental Health Supervisor

Completion Statement

Commonwealth of Virginia
State Department of Health

Health Department

Identification Number 80891095

Fairfax County

Health Department

Name of Company/Corporation/Individual: Great Falls Septic Service

Address: 34176 Charles Town Pike Purcellville Va Telephone: 540 668 7660

Owner's Name Thomas & Diane ^{PL} Schuler Trust

Owner's Address 227 Dogmore Dr Great Falls VA 22066

Location of Installation: Lot 26 Block N/A

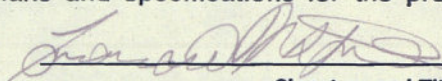
Section: 3 Subdivision: Serenity Farms

Other: IM 2-2-002-26

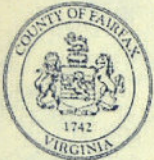
I hereby certify that the onsite sewage disposal system has been ^{required} ~~installed~~ and completed in accordance with the construction permit issued (date) _____ and is in compliance with Part D of the Sewage Handling and Disposal Regulations and when appropriate the plans and specifications for the project.

2-22-13

Date



Signature and Title



Fairfax County Health Department
Division of Environmental Health
ONSITE SEWAGE AND WATER SECTION
PERMIT TO REPAIR ONSITE SEWAGE DISPOSAL SYSTEM

Health Department # 80891095 Tax Map # 2-2-002-26 Date 2-19-2012
Owner Thomas & Diane Schuler Trust Phone 703-404-0102
Property Address 227 Donmore Dr Great Falls VA 22066
Subdivision Seneca Farms Sec./Block N/A Lot 6A
Type of System Conventional Pump System Design 5 Bedrooms
Owner/Agent Thomas & Diane Schuler Trust Phone _____
Mailing Address 227 Donmore Dr Great Falls VA 22066

For: ☒ Dwelling ☐ Commercial Property ☐ Other, describe: _____

This permit authorizes the following repairs:

- | | |
|--|--|
| ☐ Replace and/or repair sewer line. | ☐ Replace or repair force main. |
| ☒ Replace <u>1</u> malfunctioning effluent pump(s) with pump(s) rated at a minimum of 40 gpm @ <u>28</u> feet of TDH and a maximum of 80 gpm @ <u>53</u> feet of TDH. Pumps must be equivalent to originally approved pumps. | ☐ Replace and/or repair conveyance line and/or header lines |
| ☐ Replace septic tank and/or pump chamber in the same location. | ☐ Replace damaged flow diversion valve and/or valve stem. |
| ☐ Replace electrical junction box on the pump chamber. | ☐ Replace <u> </u> malfunctioning pump chamber float(s) and/or <u> </u> gate valve(s) and/or <u> </u> check valve(s) and/or piping. Reset drawdown between on and off float to <u> </u> inches. |
| ☐ Replace septic tank lid and/or pump chamber lid. | ☐ Replace and/or reparge <u> </u> damaged distribution box(es). |
| ☐ Replace or repair pump control box. | ☐ Replace outlet and/or inlet tee(s). |
| | ☐ Other. |

Comments: 1 Zoeller N163 Pump installed. Pump Chamber must have manhole that is 12" above ground surface!

Note: Repairs must be made in accordance with all applicable State Regulations and County Codes. All repairs must be inspected by the Fairfax County Health Department upon completion. Contact the Fairfax County Health Department at 703-246-2201 to arrange for an inspection date.
Further repairs may be required to the Sewage Disposal System if problems are identified during repairs and/or inspections. This sewage disposal system repair is null and void if conditions are changed from those shown on the repair permit. No part of any repair shall be covered until inspected, corrections made if necessary, and approved, by the Health Department or unless expressly authorized by the Health Department. Any part of any repair which has been covered prior to approval shall be uncovered, upon the direction of the Department.

Date: 2-19-2013 Issued by: Raul Shum
Environmental Health Specialist
Date: 2/26/2013 Repairs Approved: Lisa H. Janesko
Environmental Health Specialist
Date: 2-28-13 Reviewed by: Mark A. Johnson
Environmental Health Supervisor

File 1391

Tax Map: 2-2 / 002 / - / 26
Map Grid Sub Block Lot

Subdivision Seneca Farms, Sec. 3

City, State, Zip Great Falls, VA 22066

Phone # 703-709-1114

Linda Brock 703-709-6513

REV. 10-90
FHD-PH-6

**ENVIRONMENTAL SERVICES SECTION
FOLLOW-UP REPORT**

File 1391

Owner's Name Tom Schuler

Tax Map: 2 - 2 1002 1 26
Map Grid Sub Block Lot

Street Address 227 Dalmore Dr

Subdivision Seveca Farms sec 3

City, State, Zip Great Falls, VA. 22066

Phone # 703-709-1114

Linda Brock 703-709-6513

DATE	COMMENTS	RESCH DATE	INITIALS
Continued 2-1-07	Couplings for BS line would not be ✓'d, A TV of line may be possible to verify BS connects pending Jmms call, hold for Nates return call and final SDS HQ inspection (w) completion statement signed by either Bounded SDS contractor or owner (Schuler)	2-23-07	MG
2/26/07	Spoke w/ Linda Brock, assistant to Dr. Schuler. She will have Dr. Schuler call me back concerning status of cabana and associated sewer line.	Garber	
3/26/07	Spoke w/ Linda Brock, asst. to Dr. Schuler. Cabana was built. I faxed her a copy of the permit and told her that we will need to inspect sewer line where it exits the cabana and where it ties into existing sewer line. She will relay this info. to Dr. Schuler who will call back next week. He is out of town until 4/2/07.	FU	GG
4/4/07	Left message w/ Linda Brock concerning status of getting the sewer line inspected.		
4/12/07	Received fax from Linda Brock, which were Fairfax County Building inspections when pool house was built.		
4/16/07	Visited property. Sewer line was installed as there were at least 3 visible cleanouts. However, the cleanouts were only 3".		
4/25/07	After receiving pictures of sewer line installation from pool house, it was noted that the sewer line was		

Cont

ENVIRONMENTAL SERVICES SECTION
BUILDING PERMIT REFERRAL FORM

Owner's Name Tom Schuler
Subdivision Seneca Farms Sec 3
Street Address 227 Donmore Dr.
Tax Map Reference 2-2-002-26

File Under 1391

REFERRAL FROM: ROS DATE RECEIVED: 4/5/05

ADDRESS: 227 Donmore Dr. PHONE: _____

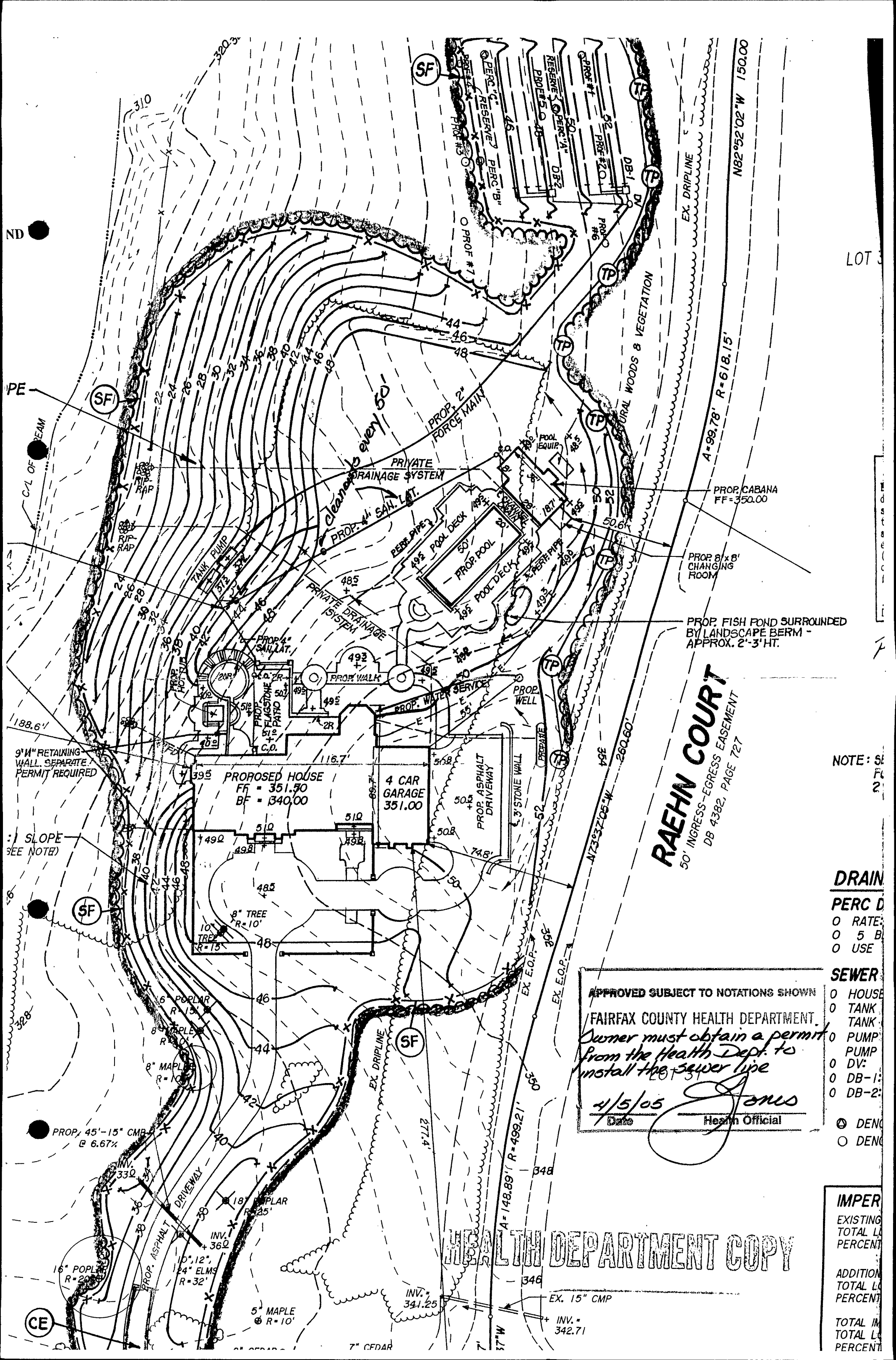
BUILDING PERMIT # 05082B0490

SUBJECT: Verify fall from pool cabana to existing sewer line.

RECEIVED BY ROS

REFERRED TO A.A. FOR INVESTIGATION 4/14/05

DATE	INVESTIGATION REPORT	RESCH	SAN
4/14/05	met Builder onsite. Verified fall from proposed pool cabana to existing sewer line. Builder stated they are no longer going to relocate P.C/S.T. OK to issue BP. (Withdraw Permit # 129-02-1302)	FILE c	OK
2-1-07	Old file, no notes regarding layout inspection for Expansion but permit was issued for gravity line, BS line/connections and tie into existing were either not inspected or inspected and never documented, not completion statement for work on file, called Nate (fine landscaping) who monitored work that was completed - to Aquired Expansion approval tie in must be inspected + Grade must be Vld - Grade could be Vld from Numerous C/OS although individual	continued	2/4



RAEHN COURT
50' INGRESS-EGRESS EASEMENT
DB 4382, PAGE 727

APPROVED SUBJECT TO NOTATIONS SHOWN
FAIRFAX COUNTY HEALTH DEPARTMENT.
Owner must obtain a permit
from the Health Dept. to
install the sewer line
4/5/05 [Signature]
Date Health Official

HEALTH DEPARTMENT COPY

NOTE: SEE
PAGE 2

DRAIN

PERC D
O RATE:
O 5 B
O USE

SEWER

O HOUSE
O TANK
O TANK
O PUMP
O PUMP
O DV:
O DB-1:
O DB-2:

⊙ DENG
○ DENG

IMPER

EXISTING
TOTAL L
PERCENT

ADDITION
TOTAL L
PERCENT

TOTAL M
TOTAL L
PERCENT

RECEIVED
SEP 24 2002

FAIRFAX COUNTY DIVISION OF ENVIRONMENTAL HEALTH
SEWAGE EFFLUENT PUMP CALCULATIONS

PLANS PREPARED BY: Reid Dudley

ADDRESS: 10650 MAIN ST. SUITE 301

FAIRFAX VA. 22032

PHONE: (703) 5914606

DATE: 9-04-02 NO. OF BEDROOMS:

PERMIT HOLDER:

PROPERTY ADDRESS:

SUBDIVISION:

TAX MAP I.D.

Thomas C. Schuler

227 Dunmore Drive

Great Falls, VA. 22066

Seneca Farms-Lot 26

2-2-((2))-26

- 1) 225.00 NUMBER LINEAR FEET (1/2 TOTAL LINEAR FEET SHOWN ON PERMIT)
TO BE DOSED EACH CYCLE TIMES .65 GALLONS PER FOOT OF
4" ID PIPE TIMES 85% EQUALS GALLONS PUMPED PER CYCLE
(INCLUDES RESERVE CAPACITY)

- 2) 124.31 NUMBER OF GALLONS TO BE PUMPED EACH CYCLE

- 3) TAPP TANK SIZE Now Call ME-Products 1125.00 GALS.

- 4) 21.60 GALLONS PER INCH PER TANK

- 5) 5.76 INCHES DRAWDOWN PER CYCLE.

- 6) 350.89 GALLONS STORAGE (1/4 DAY REQ'D. ABOVE HIGH WATER ALARM)

- 7) 18.45 FEET OF STATIC LIFT

- 8) 2.00 INCHES DIAMETER OF DISCHARGE PIPE (2" MINIMUM PVC)

- 9) 255.00 FEET LENGTH OF RUN OF DISCHARGE PIPE.

- 10) 320.00 FEET EQUIVALENT LENGTH OF PIPE.

- 11) 28.15 FEET OF TDH AT 40 GPM MINIMUM.

- 12) 53.33 FEET OF TDH AT 80 GPM MAXIMUM.

NOTE: AN ELECTRICAL PERMIT IS
REQUIRED FOR INSTALLATION.

- 13) DRAWDOWN TIME 3 MIN. 6 SEC. AT 40 GPM;
1 MIN. 33 SEC. AT 80 GPM

- 14) RECOMENDED PUMP: # 1 MAKE HYDROMATIC MODEL # SP 50H

47.00 GPM AT 32.00 FEET TDH
230 VOLTS 1 PHASE 0.5 HORSEPOWER

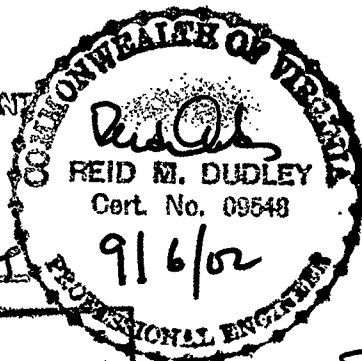
2 MAKE ABS PUMPS MODEL # SESH-5W

52.00 GPM AT 35.00 FEET TDH
230 VOLTS 1 PHASE 0.5 HORSEPOWER

- 15) CONTROL PANEL: AMERICAN MODEL# DAB 121-J
231 VOLTS 1 PHASE 1/2 MAXIMUM HORSEPOWER

REJECTED FOR REASONS NOTED

FAIRFAX COUNTY HEALTH DEPARTMENT



J.C. Price, R.E.H.
Health Official

HEALTH DEPARTMENT COPY

MUST USE TOP-JOINT
TANKS IN NEW LOCATION.
ME-PRODUCTS (aka-TAPP CONST)
DOES NOT YET HAVE TOP-JOINT
TANKS APPROVED BY FCHD.
SPEC A TANK FROM OUR TABLE
(COPY ATTACHED)

DV	LF. FROM	PUMP	DB-2
TOP	PUMPTO DV	TOP	TOP
352.70	255.00	337.00	348.20

30"

INSIDE DIAMETER OF ACCESS MANHOLE
(30" MIN)

GROUND SURFACE ELEV.	337.00
INLET INVERT ELEV.	335.10
TOTAL USABLE STORAGE ABOVE HIGH WATER ALARM (GALLONS)	350.89
LAG PUMP	16.24
PUMP OFF DRAW DOWN IN INCHES	5.76

335.00 24" MIN FROM GROUND ELEV. PVC DISCHARGE

332.75 PUMP OFF ELEV.

330.75 INSIDE BOTTOM ELEV.

INV. ELEV. 351.20

	INSIDE DIMENSIONS (INCHES)			GAL/IN	MANUFACTURER
GALLONS	LENGTH	WIDTH	LIQ. DEPTH		
1125.00	97.00	51.00	52.00	21.60	TAPP

PERC DATA: 10 RATE @ 48"
NUMBER OF BEDROOMS: 5 REQUIRES 450 LF.
USE 8 LINES 56.3 FT. LENGTH

SEWER INVERTS:
HOUSE: 337.50
TANK IN: 335.40
TANK OUT: 335.30
PUMP IN: 335.10
PUMP OUT: 335.00
DV: 351.20
DB-1: 351.10
DB-2: 346.70

DATE January 1, 1986



MODEL
RATED HP

SEVH- 4W
0.4

SESH-

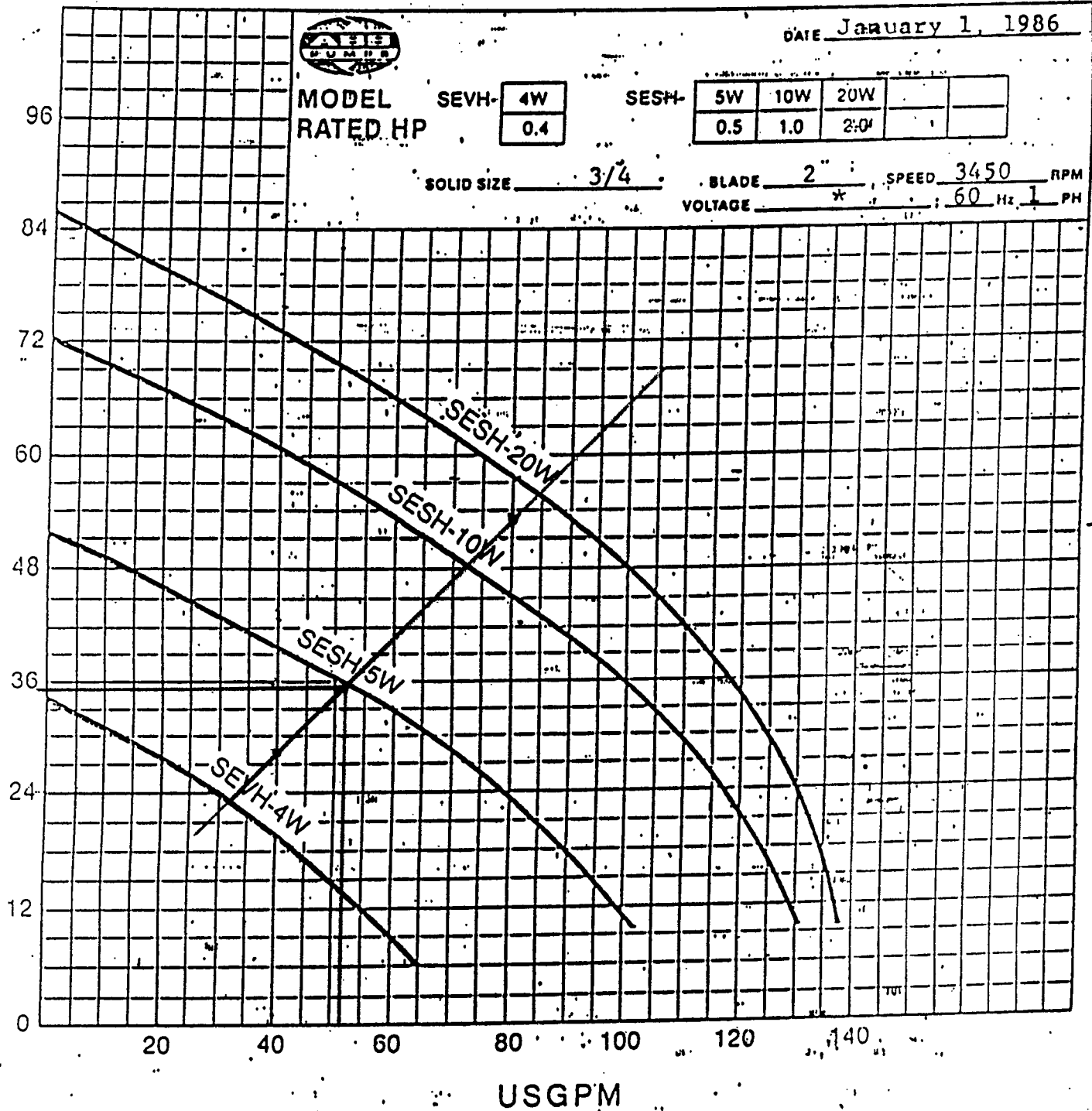
5W	10W	20W		
0.5	1.0	2.0		

SOLID SIZE 3/4

BLADE 2

SPEED 3450 RPM

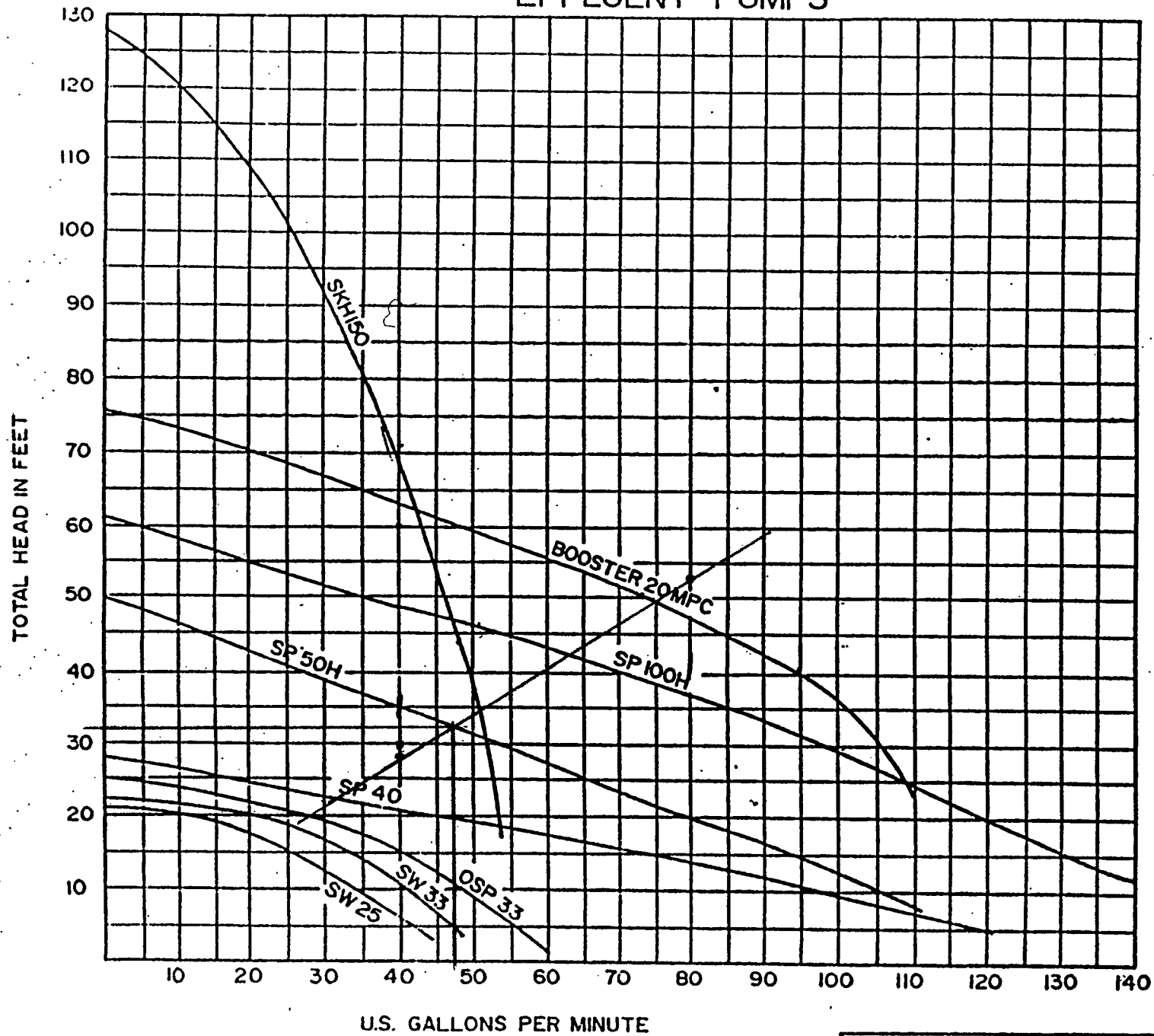
VOLTAGE * 60 Hz 1 PH



Yorkshire Supply Inc.
306 Industrial Dr. S.E.
Unit B & C
Leesburg, Va. 22075

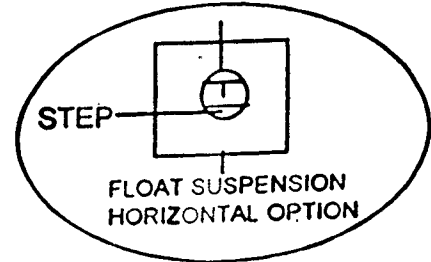
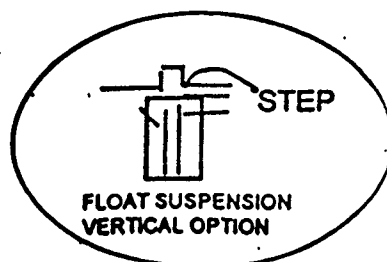
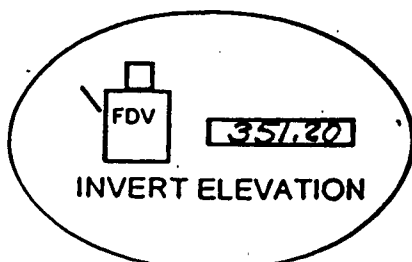
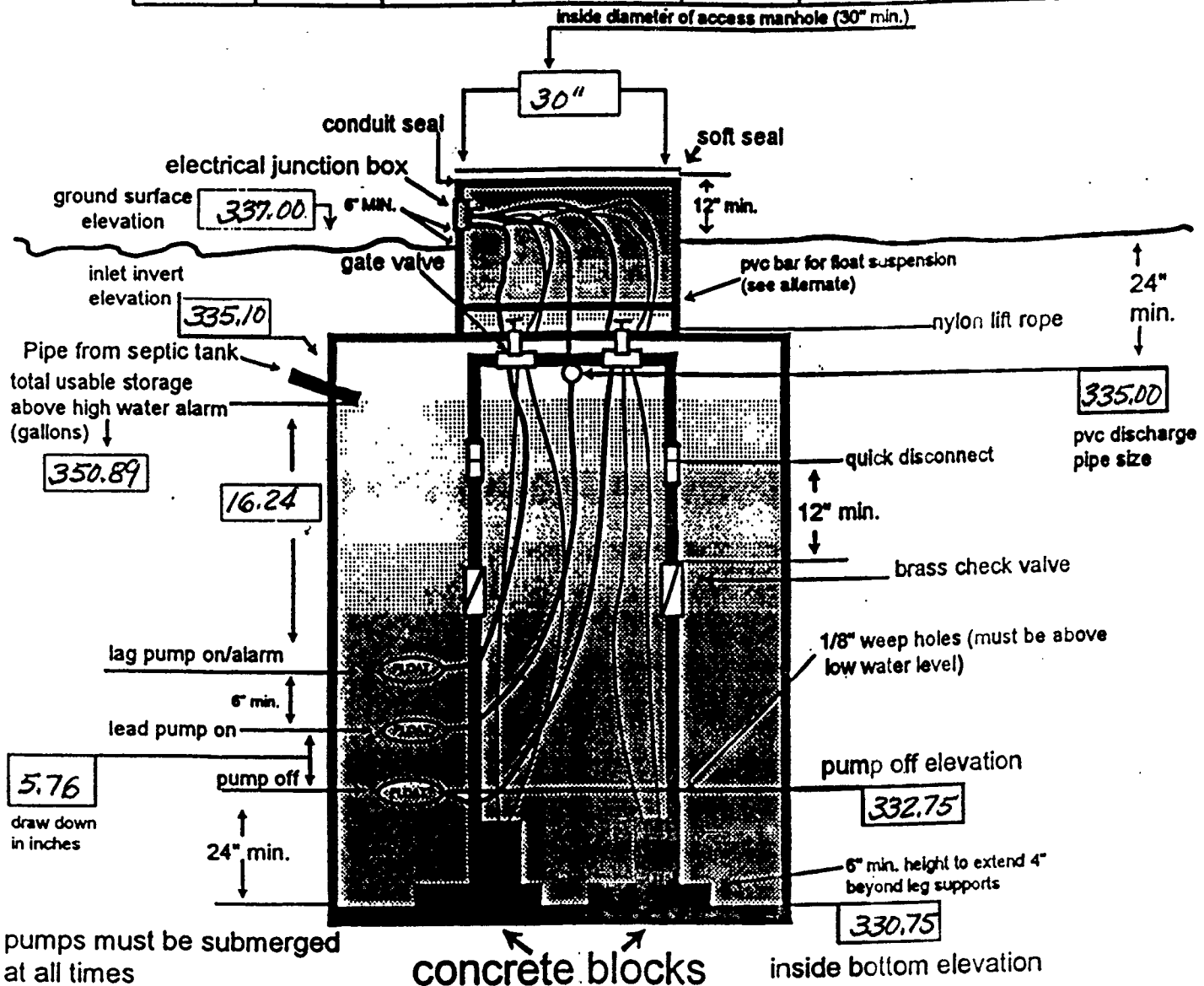
* SEVH-4W: 115V or 230V, 208V
SESH-5W: 115/230V, 208V
SESH-10W and SESH-20W: 230V only

EFFLUENT PUMPS



AMERICAN MANUFACTURING CO., INC.
MANASSAS, VA 369-3800

GALLONS	INSIDE DIMENSIONS (INCHES)			GAL/IN	MANUFACTURER
	LENGTH	WIDTH	LIQ. DEPTH		
1125.00	97.00	51.00	52.00	21.60	TAPP



NOTE: FLOATS MUST BE INSTALLED AS NOT TO BE DISTURBED BY WASTEWATER ENTERING THE TANK

RECEIVED
SEP 24 2002

FAIRFAX COUNTY DIVISION OF ENVIRONMENT & HEALTH
SEWAGE EFFLUENT PUMP CALCULATIONS

PLANS PREPARED BY: Reid Dudley

ADDRESS: 10650 MAIN ST. SUITE 301

FAIRFAX VA. 22032

PHONE: (703) 5914606

DATE: 9-04-02 NO. OF BEDROOMS:

PERMIT HOLDER:

PROPERTY ADDRESS:

SUBDIVISION:

TAX MAP I.D.

Thomas C. Schuler

227 Dunmore Drive

Great Falls, VA. 22066

Seneca Farms-Lot 26

2-2-((2))-26

- 1) 225.00 NUMBER LINEAR FEET (1/2 TOTAL LINEAR FEET SHOWN ON PERMIT)
TO BE DOSED EACH CYCLE TIMES .65 GALLONS PER FOOT OF
4" ID PIPE TIMES 85% EQUALS GALLONS PUMPED PER CYCLE
(INCLUDES RESERVE CAPACITY)

- 2) 124.31 NUMBER OF GALLONS TO BE PUMPED EACH CYCLE

- 3) TAPP TANK SIZE NEW CALL NE-PRODUCTS 1125.00 GALS.

- 4) 21.60 GALLONS PER INCH PER TANK

- 5) 5.76 INCHES DRAWDOWN PER CYCLE.

- 6) 350.89 GALLONS STORAGE (1/4 DAY REQ'D. ABOVE HIGH WATER ALARM)

- 7) 18.45 FEET OF STATIC LIFT

- 8) 2.00 INCHES DIAMETER OF DISCHARGE PIPE (2" MINIMUM PVC)

- 9) 255.00 FEET LENGTH OF RUN OF DISCHARGE PIPE.

- 10) 320.00 FEET EQUIVALENT LENGTH OF PIPE.

- 11) 28.15 FEET OF TDH AT 40 GPM MINIMUM.

- 12) 53.33 FEET OF TDH AT 80 GPM MAXIMUM.

NOTE: AN ELECTRICAL PERMIT IS
REQUIRED FOR INSTALLATION.

- 13) DRAWDOWN TIME 3 MIN. 6 SEC. AT 40 GPM;
1 MIN. 33 SEC. AT 80 GPM

- 14) RECOMENDED PUMP: # 1 MAKE HYDROMATIC MODEL # SP 50H

<u>47.00</u>	GPM AT	<u>32.00</u>	FEET TDH
<u>230</u>	VOLTS	<u>1</u>	PHASE <u>0.5</u> HORSEPOWER

2 MAKE ABS PUMPS MODEL # SESH-5W

<u>52.00</u>	GPM AT	<u>35.00</u>	FEET TDH
<u>230</u>	VOLTS	<u>1</u>	PHASE <u>0.5</u> HORSEPOWER

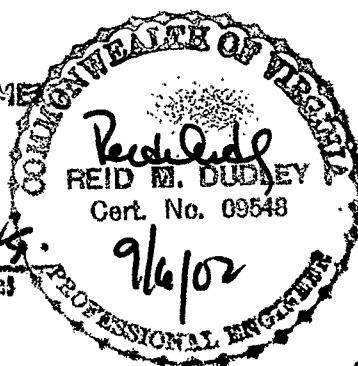
- 15) CONTROL PANEL: AMERICAN MODEL# DAB 121-J
231 VOLTS 1 PHASE 1/2 MAXIMUM HORSEPOWER

REJECTED FOR REASONS NOTED

FAIRFAX COUNTY HEALTH DEPARTMENT

10-3-02
Date

J.C. Pisciotta
Health Official



DESIGNER/ENGINEER COPY

MUST USE Top-Joint
TANKS IN NEW LOCATION.
NE-PRODUCTS (aka-Tapp Const)
DOES NOT YET HAVE Top-Joint
TANKS APPROVED BY FCHD.
SPEC A TANK FROM OUR TABLE
(COPY ATTACHED)

DV	LF. FROM	PUMP	DB-2
TOP	PUMPTO DV	TOP	TOP
352.70	255.00	337.00	348.20

30"

INSIDE DIAMETER OF ACCESS MANHOLE
(30" MIN)

GROUND SURFACE ELEV.	337.00
INLET INVERT ELEV.	335.10
TOTAL USABLE STORAGE ABOVE HIGH WATER ALARM (GALLONS)	350.89
LAG PUMP	16.24
PUMP OFF DRAW DOWN IN INCHES	5.76

335.00 24" MIN FROM GROUND ELEV. PVC DISCHARGE

332.75 PUMP OFF ELEV.

330.75 INSIDE BOTTOM ELEV.

INV. ELEV. 351.20

	INSIDE DIMENSIONS (INCHES)			GAL/IN	MANUFACTURER
GALLONS	LENGTH	WIDTH	LIQ. DEPTH		
1125.00	97.00	51.00	52.00	21.60	TAPP

PERC DATA: 10 RATE @ 48"
NUMBER OF BEDROOMS: 5 REQUIRES 450 LF.
USE 8 LINES 56.3 FT. LENGTH

SEWER INVERTS:
HOUSE: 337.50
TANK IN: 335.40
TANK OUT: 335.30
PUMP IN: 335.10
PUMP OUT: 335.00
DV: 351.20
DB-1: 351.10
DB-2: 346.70

DATE January 1, 1986



MODEL
RATED HP

SEVH-4W
0.4

SESH-

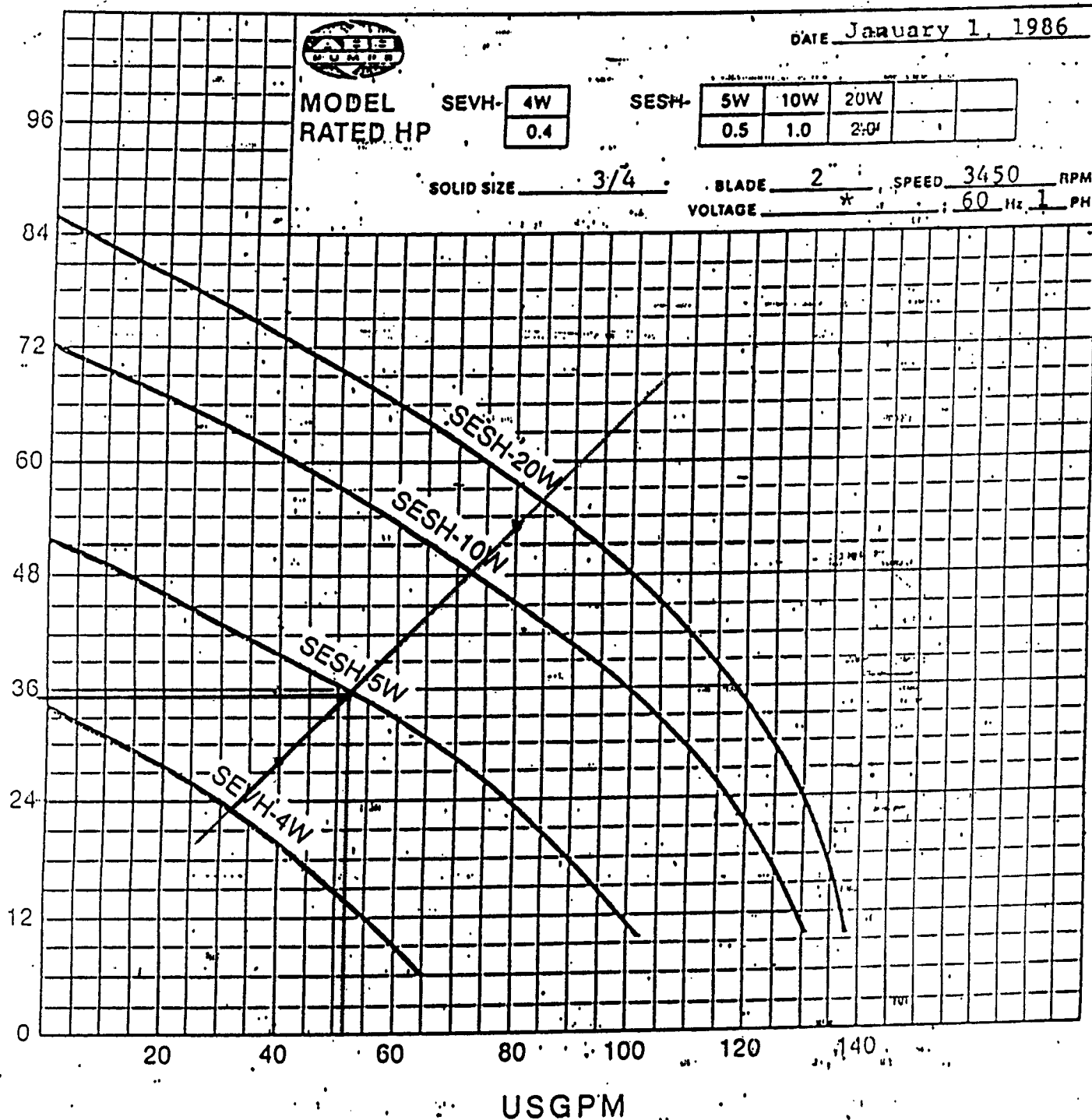
5W	10W	20W		
0.5	1.0	2.0		

SOLID SIZE 3/4

BLADE 2

SPEED 3450 RPM

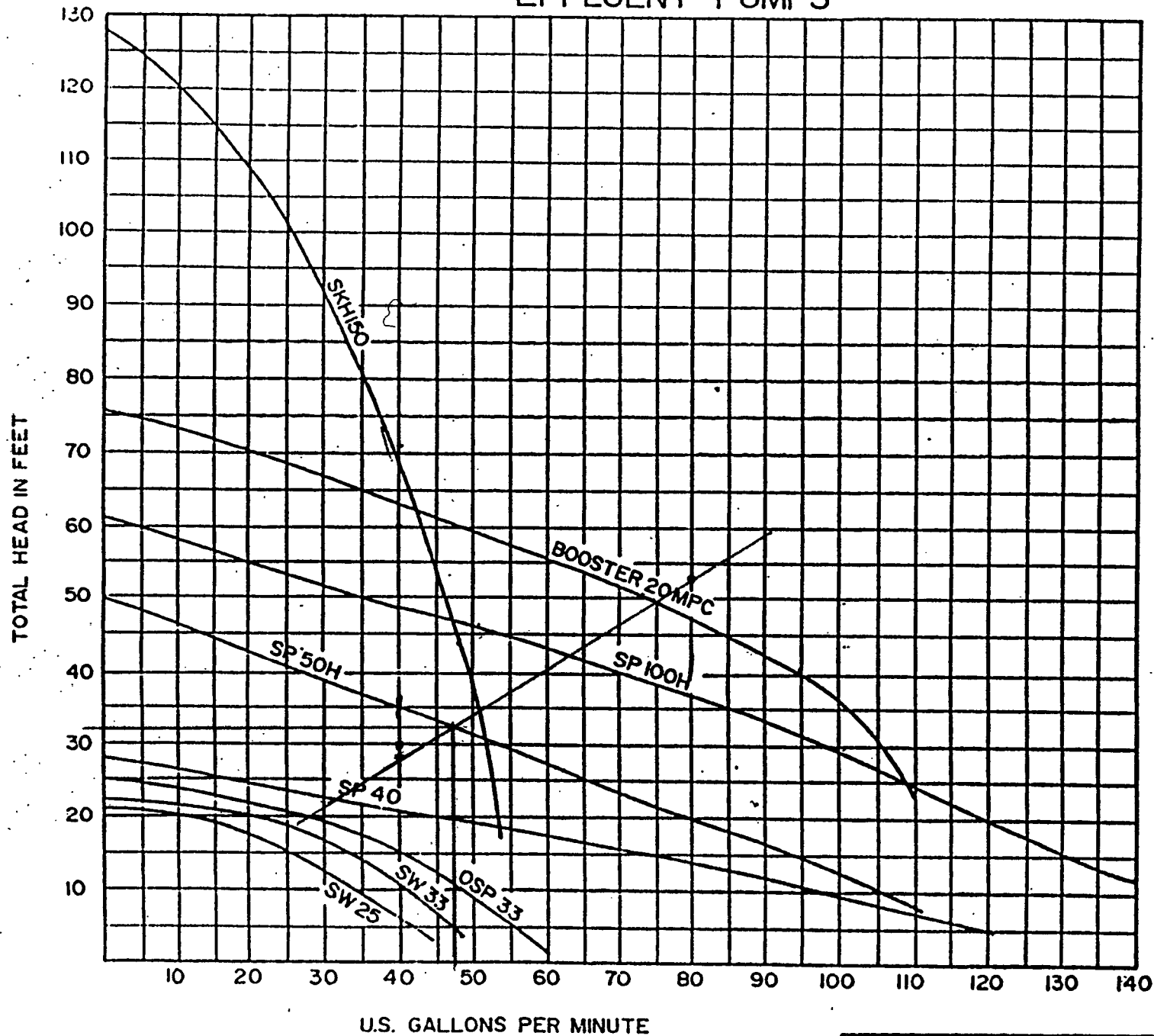
VOLTAGE * 60 Hz 1 PH



* SEVH-4W: 115V or 230V, 208V
SESH-5W: 115/230V, 208V
SESH-10W and SESH-20W: 230V only

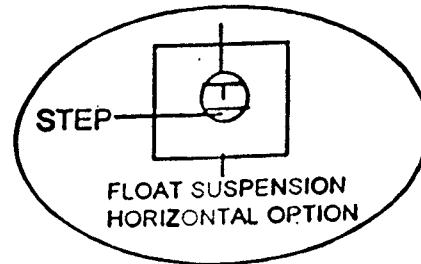
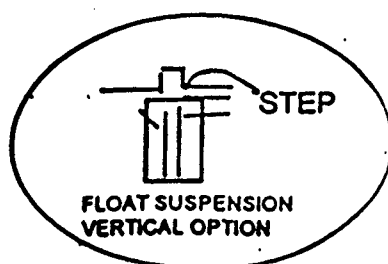
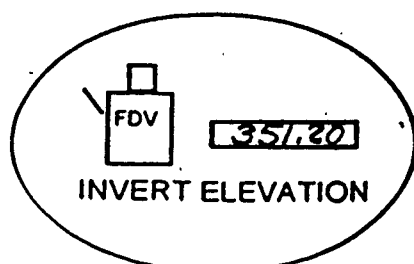
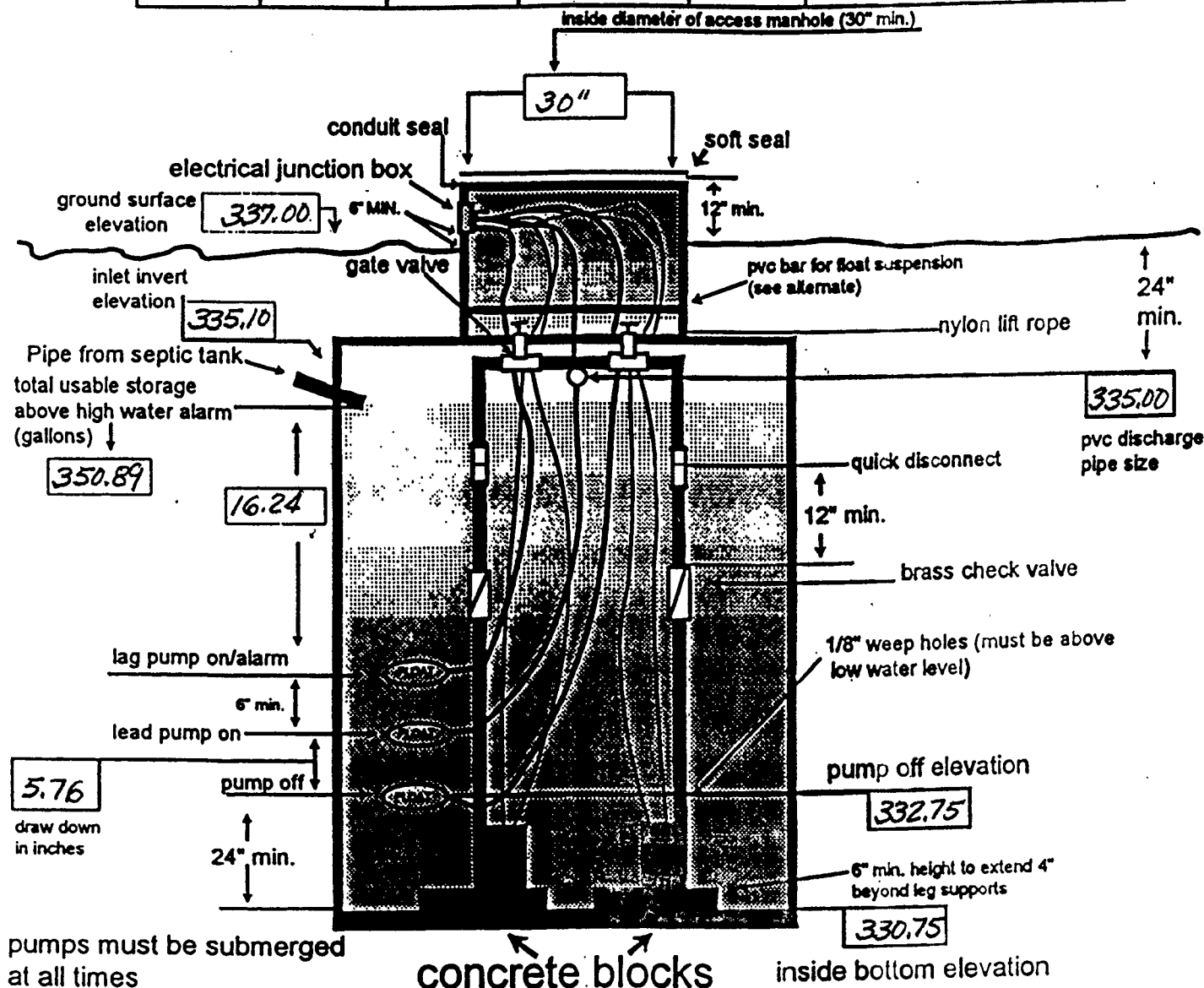
Yorkshire Supply Inc.
306 Industrial Dr. S.E.
Unit B & C
Leesburg, Va. 22075

EFFLUENT PUMPS



AMERICAN MANUFACTURING CO., INC.
MANASSAS, VA 369-3800

GALLONS	INSIDE DIMENSIONS (INCHES)			GAL/IN	MANUFACTURER
	LENGTH	WIDTH	LIQ. DEPTH		
1125.00	97.00	51.00	52.00	21.60	TAPP

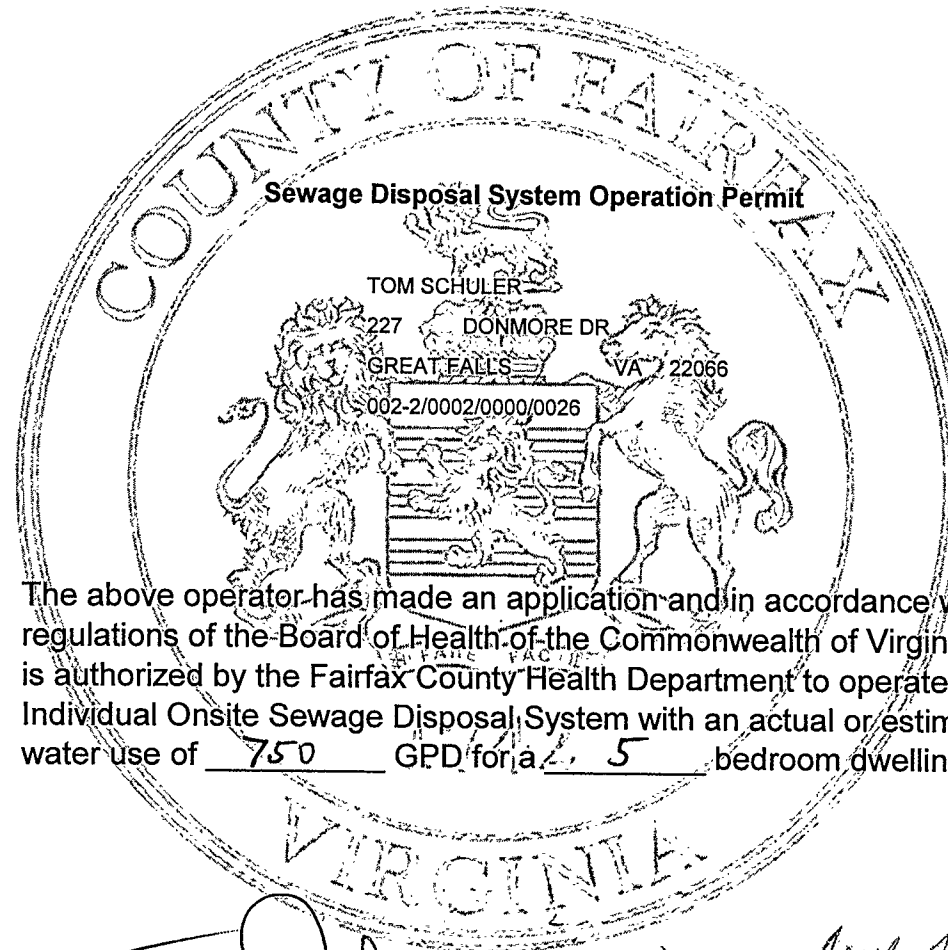


NOTE: FLOATS MUST BE INSTALLED AS NOT TO BE DISTURBED BY WASTEWATER ENTERING THE TANK

FAIRFAX COUNTY HEALTH DEPARTMENT
DIVISION OF ENVIRONMENTAL HEALTH

HD Number:
129-01-1413

Date of Issue: Aug. 15, 2002



The above operator has made an application and in accordance with the regulations of the Board of Health of the Commonwealth of Virginia is authorized by the Fairfax County Health Department to operate an Individual Onsite Sewage Disposal System with an actual or estimated water use of 750 GPD for a 5 bedroom dwelling.

Environmental Health
Specialist

Environmental Health
Supervisor

Carol S. Sharrett, M.D.
Acting Director of Health

Completion Statement

Commonwealth of Virginia
State Department of Health

Health Department
Identification Number

129-04-1413

Fairfax Co

Health Department

Name of Company/Corporation/Individual:

Hott & Sons, Inc.

Address:

Telephone:

340 668 7660

Owner's Name

Tom Schuler

Owner's Address

9903 Georgetown Pike

Great Falls

22066

Location of Installation: Lot

26

Block

-

Section:

3

Subdivision:

Sencer Farms

Other:

TM# 2-2-002-26

227 Donmore Dr

I hereby certify that the onsite sewage disposal system has been installed and completed in accordance with the construction permit issued (date) 2-14-02 and is in compliance with Part D of the Sewage Handling and Disposal Regulations and when appropriate the plans and specifications for the project.

8-15-02

Date

Signature and Title

FDU Key - 216

Water Supply and/or Sewage Disposal System Construction Permit

Commonwealth of Virginia

Department of Health

FAIRFAX COUNTY

Health Department

Health Department

Identification Number

129-01-1413

Map Reference

002-200020000/0028

General Information

Water Supply System: New ☒ Repair ☐ Public ☐ FHA ☐ VA ☐ Case No.

Sewage Disposal System: New ☒ Repair ☐ Expanded ☐ Conditional ☐ Public ☐

Based on the application for a sewage disposal system construction permit filed in accordance with Section 2.13 E, of the Sewage Handling and Disposal Regulations and/or Section 2.13 of the Private Well Regulations a construction permit is hereby issued to:

Owner TOM SCHULER Telephone (703) 759-8116

Address 9903 GEORGETOWN PIKE, GREAT FALLS, VA 22066 For a Type II Sewage Disposal System or Well to

be constructed on/at 227 DONMORE DR GREAT FALLS VA 22066

Subdivision SENECA FARMS Section/Block 3 Lot 28 Actual or estimated water use 750 gpd / 5 BR

DESIGN

Water supply, existing: (describe)

To be installed: class III B Well

cased 50' min. grouted 50' min.

Building sewer:

4" I.D. PVC Schedule 40, or equivalent.

Slope 1.25" per 10' (minimum).

☐ Other

Septic tank: Capacity 1500 gals. (minimum).

☒ Other Install outlet port riser

Inlet-outlet structure:

PVC Schedule 40, 4" tees or equivalent.

☒ Other Install outlet tee filter

Pump and pump station:

No ☐ Yes ☒ describe and show design.

if yes: per pump plans approved 10/31/01

Gravity mains: 3" or larger I.D., minimum 6" fall per 100', 1500 lb. crush strength or equivalent.

☒ Other Install Flow Diversion Valve

Distribution box:

Precast concrete with 8+ ports, each

☒ Other 2 boxes

Header lines:

Material: 4" I.D. 1500 lb. crush strength plastic or equivalent from distribution box to 2' into absorption trench. Slope 2" minimum.

☐ Other

Percolation lines:

Gravity 4" plastic 1000 lb. per foot bearing load or equivalent, slope 2" 4" (min. max.) per 100'.

☐ Other

Absorption trenches:

Square ft. required 904; depth from ground surface to bottom of trench 48"; aggregate size 1/2" - 1 1/2";

Trench bottom slope 1" - 2" per 50';

center to center spacing 6'; trench width 2';

Depth of aggregate 28"; under pipe 20";

Trench length 36.5'; Number of trenches 8

NOTE: SEWAGE DISPOSAL SYSTEM INSPECTION RESULTS

Water supply location: Satisfactory yes ☒ no ☐

comments

Completion Report

G. W. 2 Received: yes ☒ no ☐ not applicable ☐

Building sewer:

yes ☒ no ☐ comments

Satisfactory

4" PVC Sch 40

Pretreatment unit:

yes ☒ no ☐ comments

Satisfactory

Mfr: ME Size: 1500 FX

Inlet-outlet structure:

yes ☒ no ☐ comments

Satisfactory

Filter: Zabel 1 1/2" fall

Pump & pump station:

yes ☒ no ☐ comments

Satisfactory

Mfr: ME Size: 1125 FX

Conveyance method:

yes ☒ no ☐ comments

Satisfactory

FDV Bull Run Setting: 2

Distribution box:

yes ☒ no ☐ comments

Satisfactory

Type: Plastic Dams: Dial-A-Flow

Header lines:

yes ☒ no ☐ comments

Satisfactory

Percolation lines:

yes ☒ no ☐ comments

Satisfactory

10 mpi @ 48"

Absorption trenches:

yes ☒ no ☐ comments

Satisfactory

Date Aug 15, 2002 Inspected and approved by:

[Signature]

8-15-2002 Sanitarian [Signature]

SAS Contractor: Hottel & Sons Excavating, LLC

TAX MAP # ~~113~~ 2-2-002-26

Health Department

Identification Number 129-01-1413

Schematic drawing of sewage disposal and/or water system and topographic features.

Show the lot lines of the building site, sketch of property showing any topographic features which may impact on the design of the well or sewage disposal system. Including existing and/or proposed structures and sewage disposal systems and wells within 200 feet. The schematic drawing of the well site or area and/or sewage disposal system shall show sewer lines, pretreatment unit, pump station, conveyance system, and subsurface soil absorption system, reserve area, etc. When a nonpublic drinking water supply is to be permitted, show all sources of pollution within 200 feet.

☒ The information required above has been drawn on the attached copy of the sketch submitted with the application. Attach additional sheets as necessary to illustrate the design, drawing is **NOT** to scale.

1) The property corners must be clearly staked during installation and inspection of Sewage disposal system.

2) Cleanouts must be installed every 50' along the sewer line.

1. Grade per site approved by this office.
2. Install system as shown; a minimum of 10' from trees, property lines and utility lines.
3. Maximum backfill over system is not to exceed 20".
4. It is the contractors responsibility to meet all OSHA regulations relating to deep excavations.
5. House sewer line must be inspected by this Department to a point 3' from the dwelling.
6. Flow Diversion Valve (FDV) key must be provided to owner prior to occupancy.
7. UPON COMPLETION OF FINAL GRADING AND WELL (if applicable), CALL THIS OFFICE (246-2201) FOR FINAL INSPECTION(S) A MINIMUM OF 30 DAYS PRIOR TO REQUEST FOR RESIDENTIAL USE PERMIT.
8. Install system in accordance with all applicable State Regulations and County code.
9. Install an access manhole on the outlet port of the septic tank for inspection and sludge removal. The manhole must have a removable water tight and air tight cover installed flush with or above the ground surface and marked sewer.
10. Section 68-1-29 of the Fairfax County Code requires pumping of the septic tank once every five years. The owner of the property is required to provide written notification and proof to this Department each time the tank is pumped.
11. Do not install system during periods of wet weather and/or rain events.

This sewage disposal system and/or water supply is to be constructed as specified by the permit X or attached plans and specifications ____.

This sewage disposal system and/or well construction permit is null and void if (a) conditions are changed from those shown on the application (b) conditions are changed from those shown on the construction permit (c) conditions are changed on the drainfield site.

No part of any installation shall be covered or used until inspected, corrections made if necessary, and approved, by the local health department or unless expressly authorized by the local health department. Any part of any installation which has been covered prior to approval shall be uncovered, if necessary upon the direction of the Department.

Date: 2/14/02

Issued by: Adhuc
Environmental Health Specialist

Date: 2-15-02

Reviewed by: John M. Ingram
Environmental Health SupervisorThis Construction
Permit Valid until

8/14/03

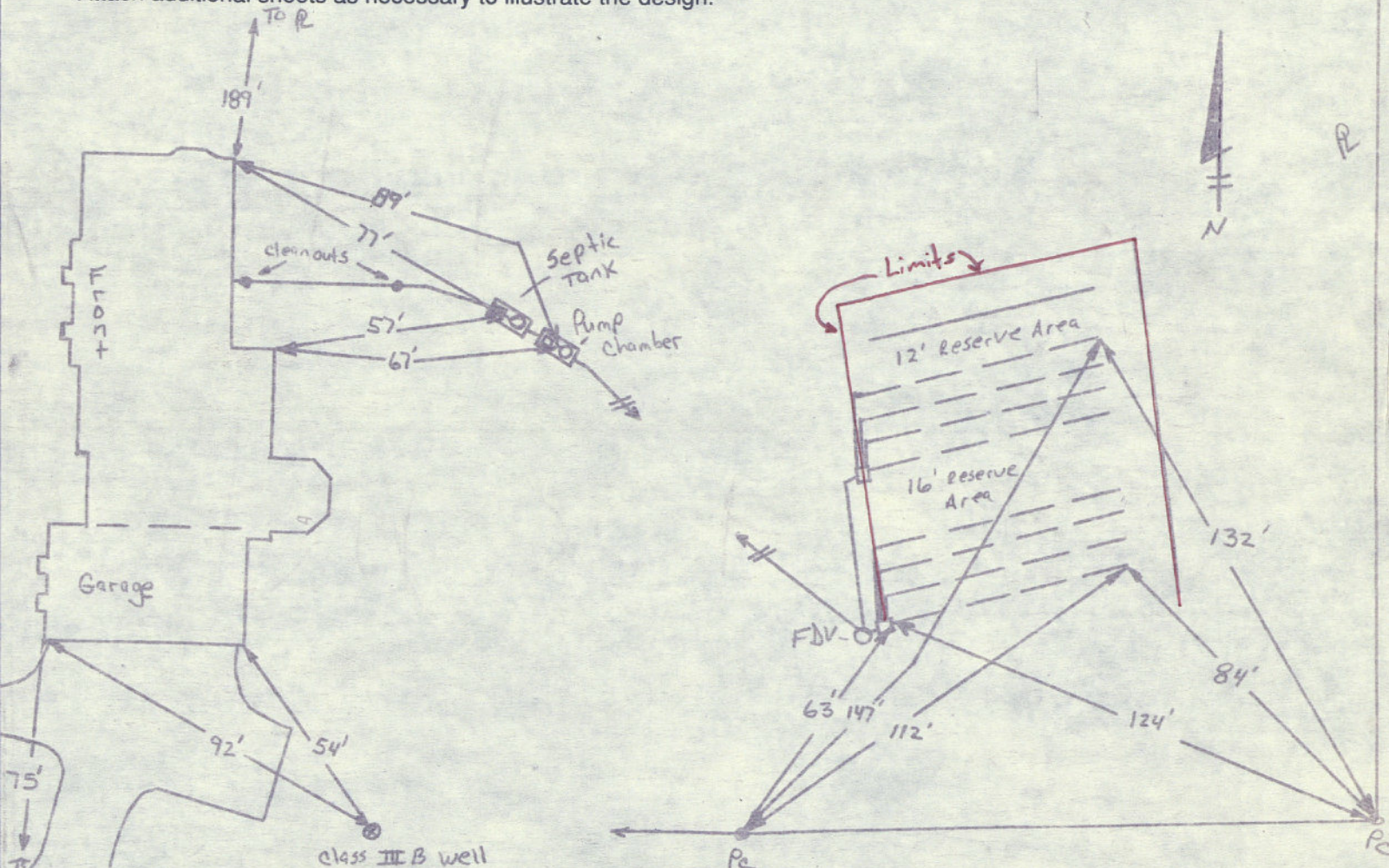
Health Department
Identification Number

129-9-1413

Schematic drawing of sewage disposal and/or water supply system and topographic features.

Show the lot lines of the building site, sketch of property showing any topographic features which may impact on the design of the well or sewage disposal system, including existing and/or proposed structures and sewage disposal systems and wells within 200 feet. The schematic drawing of the well site or area and/or sewage disposal system shall show sewer lines, pretreatment unit, pump station, conveyance system, and subsurface soil absorption system, reserve area, etc. When a nonpublic drinking water supply is to be permitted, show all sources of pollution within 200 feet.

- ☐ The information required above has been drawn on the attached copy of the sketch submitted with the application. Attach additional sheets as necessary to illustrate the design.



This sewage disposal system and/or water supply is to be constructed as specified by the permit ☒ or attached plans and specifications _____.

This sewage disposal system and/or well construction permit is null and void if (a) conditions are changed from those shown on the application (b) conditions are changed from those shown on the construction permit.

No part of any installation shall be covered or used until inspected, corrections made if necessary, and approved, by the local health department or unless expressly authorized by the local health dept. Any part of any installation which has been covered prior to approval shall be uncovered, if necessary, upon the direction of the Department.

Date: 2/14/02 Issued by: Adbye

Sanitarian

Date: 2-15-02 Reviewed by: John Milgrom

Supervisory Sanitarian

This Construction
Permit Valid until

8/14/03

If FHA or VA financing

Reviewed by Date _____

Date _____

Supervisory Sanitarian

Regional Sanitarian

Record of Inspection - Private Water Supply System

Commonwealth of Virginia
Department of Health

Health Department 129-01-1413
I.D. Number _____

F.H.A. or V.A. Case Number
If Applicable

Date 2/16/2002 Local Health Department FAIRFAX COUNTY

Owner TOM SCHULER Address 9903 GEORGETOWN PK Phone (703) 769-6116
GREAT FALLS, VA 22066

Exact Location of Premises 227 DONMORE DR GREAT FALLS VA 22066

Subdivision SENECA FARMS Section/Block 3 Lot 26

Class of nonpublic drinking water well. 1) Class III A _____

2) Class III B X

3) Class III C _____

Date of installation 3/6/02 4) Other _____

Ranjan Well Drilling

CONSTRUCTION INFORMATION

If information in any item below is secured from other sources (i.e. well log, etc.), so note.

1. Water well completion report filed as required by Sec. 2.18 Yes ☒ No ☐
2. Well Location: Distances from sources of pollution (See Table 3.1, Minimum Separation Distances) and Section 3.4 of the Private Well Regulations.

Building Sewer 50' Pretreatment Unit 50'
Conveyance System 50' Subsurface Soil Absorption System 100'
(nearest point). Property Line 10' Other _____

Site graded where necessary to divert water away from well? Yes ☐ No ☐ N/A ☒

3. Construction, General: (see Section 3.6 and 3.7 Private Well Regulations).

Total depth of well 47.5 feet. Type of casing Steel

Depth of casing 61.5 feet. Diameter of casing 6 3/8 inches.

Casing extends inches above ground _____. Exterior space sealed with neat cement grout to a depth of 55 feet. Screens constructed of _____

free of rough edges and irregularities, with positive watertight seal between screen and casing?

Yes ☐ No ☐ N/A ☒ Well head and opening to the interior protected? Yes ☒ No ☐

Type of well seal Water tight Pitless adapter used? Yes ☒ No ☐ N/A ☐

Properly installed? Yes ☒ No ☐ N/A ☐ Proper venting? Yes ☒ No ☐ N/A ☐

4. Quantity: Yield and drawdown determined by continuous pumping of 2 hours. Drawdown _____ feet. Yield 15 GPM. Type of storage Grounds Pumps 1860

5. Quality: Sample tap provided at entry into system? Yes ☒ No ☐ Samples(s) collected? Yes ☒
No ☐ Results of samples. Satisfactory ☒ Unsatisfactory ☐ (attach copy of results of this form)

Based on the inspection of this water supply system and the information contained on the water well completion report attached, this water supply system meets ☒ does not meet ☐ the requirements of the Private Well Regulations.

Remarks: 0-45' Overburden, 4.5-47.5 Blue stone - Quartz

Date 7/23/02

Signed _____

Date 8/15/2002

Signed _____

Sanitarian

Date _____

Signed _____

Supervisory Sanitarian

Regional Sanitarian (If V.A. or F.H.A.)

Water Supply and/or Sewage Disposal System Construction Permit

Commonwealth of Virginia

Department of Health

FAIRFAX COUNTY Health Department

Health Department

Identification Number

129-05-0365

Map Reference

002-2/0002/0000/0026

General Information

Water Supply System: ☒ New ☐ Repair ☐ Public ☐ FHA ☐ VA ☐ Case No. _____

Sewage Disposal System: ☐ New ☐ Repair ☐ Expanded ☒ Conditional ☐ Public _____

Based on the application for a sewage disposal system construction permit filed in accordance with Section 2.13 E, of the Sewage Handling and Disposal Regulations and/or Section 2.13 of the Private Well Regulations a construction permit is hereby issued to:

Owner THOM SCHULER Telephone (703) 709-1114

Address 227 DONMORE DR GREAT FALLS VA 22068 For a Type II Sewage Disposal System or Well to

be constructed on/at 227 DONMORE DRIVE GREAT FALLS VA 22068

Subdivision SENECA FARMS Section/Block 3 Lot 26 Actual or estimated water use 5BR

DESIGN	NOTE: SEWAGE DISPOSAL SYSTEM INSPECTION RESULTS
Water supply, existing: (describe) _____ To be installed: class _____ cased _____ grouted _____	Water supply location: Satisfactory ☐ yes ☐ no ☐ comments _____ Completion Report _____ G. W. 2 Received: ☐ yes ☐ no ☐ not applicable ☐
Building sewer: <u>4</u> I.D. PVC Schedule 40, or equivalent. Slope 1.25" per 10' (minimum). ☒ Other <u>cleanouts every 50ft.</u>	Building sewer: ☒ yes ☐ no ☐ comments _____ Satisfactory <u>per plumbing inspection; HD</u> <u>never inspected.</u>
Septic tank: Capacity _____ gals. (minimum). ☐ Other _____	Pretreatment unit: ☐ yes ☐ no ☐ comments _____ Satisfactory
Inlet-outlet structure: PVC Schedule 40, 4" tees or equivalent. ☐ Other _____	Inlet-outlet structure: ☐ yes ☐ no ☐ comments _____ Satisfactory
Pump and pump station: No ☐ Yes ☐ describe and show design. if yes: _____	Pump & pump station: ☐ yes ☐ no ☐ comments _____ Satisfactory
Gravity mains: 3" or larger I.D., minimum 6" fall per 100', 1500 lb. crush strength or equivalent. ☐ Other _____	Conveyance method: ☐ yes ☐ no ☐ comments _____ Satisfactory
Distribution box: Precast concrete with _____ ports. ☐ Other _____	Distribution box: ☐ yes ☐ no ☐ comments _____ Satisfactory
Header lines: Material: 4" I.D. 1500 lb. crush strength plastic or equivalent from distribution box to 2' into absorption trench. Slope 2" minimum. ☐ Other _____	Header lines: ☐ yes ☐ no ☐ comments _____ Satisfactory
Percolation lines: Gravity 4" plastic 1000 lb. per foot bearing load or equivalent, slope 2" 4" (min. max.) per 100'. ☐ Other _____	Percolation lines: ☐ yes ☐ no ☐ comments _____ Satisfactory
Absorption trenches: Square ft. required _____; depth from ground surface to bottom of trench _____; aggregate size _____; Trench bottom slope _____; center to center spacing _____; trench width _____; Depth of aggregate _____; Trench length _____; Number of trenches _____	Absorption trenches: ☐ yes ☐ no ☐ comments _____ Satisfactory Date <u>5/2/07</u> Inspected and approved by: <u>Greg Barker</u> <u>5/2/2007</u> <u>Sanitarian</u>

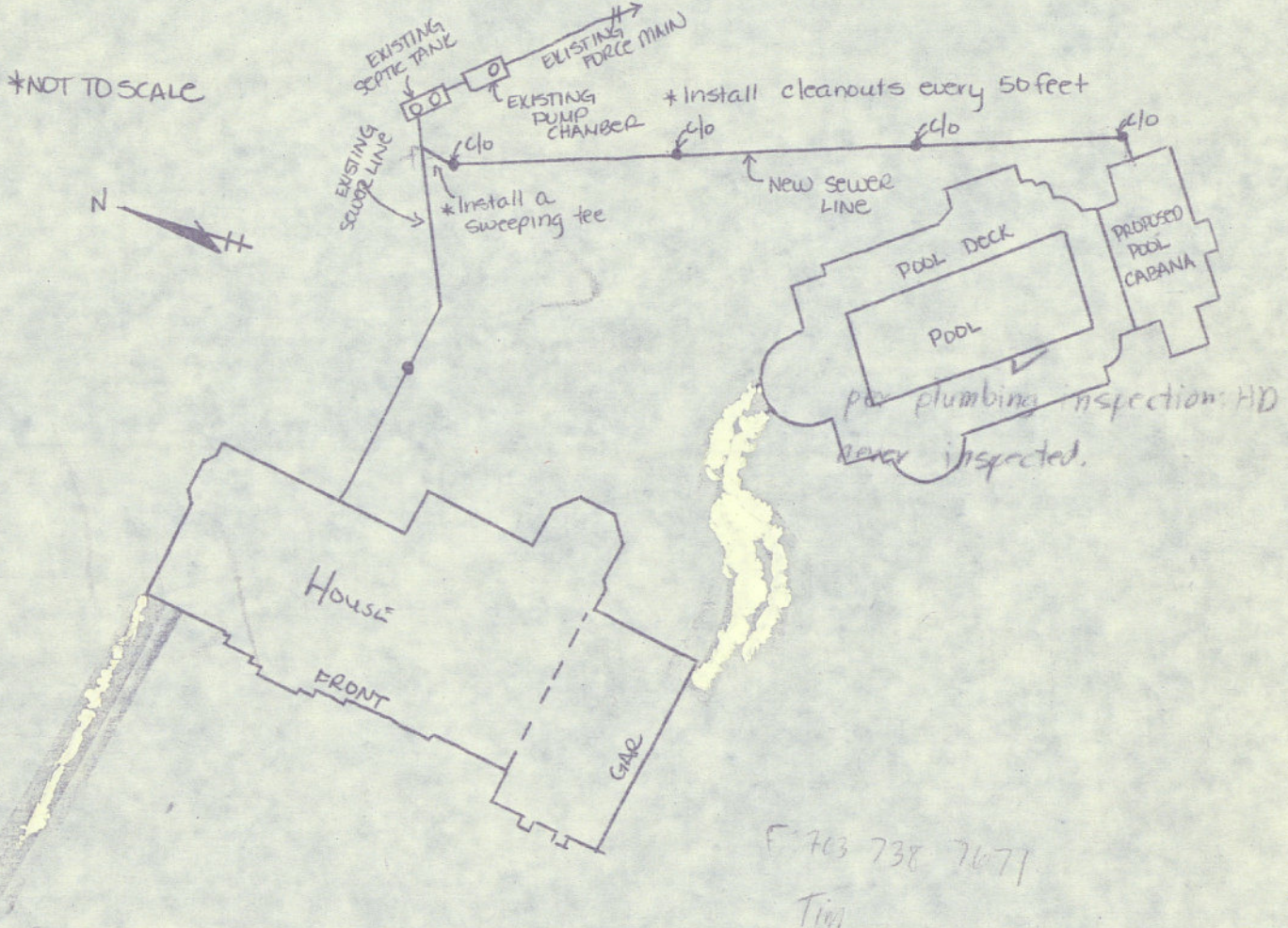
See note
SDS contractor:

HD never inspected Sewer Line install, but
plumbing inspector verified it was installed
functionally.

Schematic drawing of sewage disposal and/or water supply system and topographic features.

Show the lot lines of the building site, sketch of property showing any topographic features which may impact on the design of the well or sewage disposal system, including existing and/or proposed structures and sewage disposal systems and wells within 200 feet. The schematic drawing of the well site or area and/or sewage disposal system shall show sewer lines, pretreatment unit, pump station, conveyance system, and subsurface soil absorption system, reserve area, etc. When a nonpublic drinking water supply is to be permitted, show all sources of pollution within 200 feet.

- ☐ The information required above has been drawn on the attached copy of the sketch submitted with the application. Attach additional sheets as necessary to illustrate the design.



This sewage disposal system and/or water supply is to be constructed as specified by the permit ☒ or attached plans and specifications ☐.

This sewage disposal system and/or well construction permit is null and void if (a) conditions are changed from those shown on the application (b) conditions are changed from those shown on the construction permit.

No part of any installation shall be covered or used until inspected, corrections made if necessary, and approved, by the local health department or unless expressly authorized by the local health dept. Any part of any installation which has been covered prior to approval shall be uncovered, if necessary, upon the direction of the Department.

Date: 4/15/05 Issued by: Arnell Antonio

Sanitarian

Date: 4/20/2005 Reviewed by: John M. Miley

Supervisory Sanitarian

This Construction Permit Valid until

10/15/10

If FHA or VA financing

Reviewed by Date

Date

Supervisory Sanitarian

Regional Sanitarian

File 1391

Tax Map: 2 - 2 1002 / 1 26
Map Grid Sub Block Lot

Subdivision Seneca Farms

City, State, Zip Great Falls, VA 22066

Phone # _____

[illegible]

PERMIT NUMBER 129-01-1413

TAX MAP NUMBER # 2-2-002-26

WATER SUPPLY INSPECTION REPORT

WELL INSTALLED BY Rumyon Well Drilling PUMP INSTALLED BY Rumyon Well Drilling

GROUT INSPECTED Witnessed grout to 55 ft 3/13/02 [Signature]
DATE EHS

PIPE & ELECTRIC WIRE FROM WELL TO STORAGE TANK APPROVED 6/5/02 [Signature]
DATE EHS

TYPE OF INSTALLATION:

☒ PITLESS ADAPTER ☐ PIT (4" DRAIN) ☐ SURFACE (DRAIN) 6/2/02 [Signature]
DATE EHS

STORAGE TANK: Goulds Pumps V260 6/5/02 [Signature]
DATE EHS

Gate Valve ☒ Check Valve ☒ Sample Tap & Backflow Preventer ☒ Elec. Dis. Switch ☒ Pressure Relief Valve ☒

WATER SAMPLE COLLECTED 7/18/02 AJ
DATE EHS

DATE	RECORD OF ADDITIONAL REMARKS OR VISITS	STATUS	EHS INITIAL
<u>2/9/02</u>	<u>Rec'd well/pump logs</u>	<u>Hold</u>	<u>[Signature]</u>

SEWAGE DISPOSAL SYSTEM INSPECTION REPORT

DATE	RECORD OF ADDITIONAL REMARKS OR VISITS	STATUS	EHS INITIAL
<u>2/8/02</u>	<u>Conducted WSS + SDS layout inspection.</u>		
	<u>Property corners staked, Drainfield, ST+PC,</u>		
	<u>and well staked. OK to issue permit.</u>	<u>Hold</u>	<u>AJ</u>
<u>3/13/02</u>	<u>Inspected WSS. Witnessed grout to</u>		
	<u>55 ft. Tremmie pipe stuck about 20 ft</u>		
	<u>below surface. Contractor will cut it off</u>		
	<u>below top of grout and make sure it is</u>		
	<u>filled. Inspected SDS. Sewer line,</u>		
	<u>septic tank, pump chamber, force main, FDI,</u>		
	<u>d-boxes, header lines & trenches OK to</u>	<u>cont.</u>	

SEWAGE PUMP INSPECTION SHEET

(JG)

PERMIT # 129-01-1413

PLANS APPROVED 16-31-01

LOCATION: 227 DONMORE DR., GREAT FALLS

TAX MAP #: 2-2-002-26

ITEM	PER PLANS	PER INSPECTION	DATE INITIAL	REMARKS
1. IS PUMP CHAMBER 12" ABOVE GRADE AND PROPERLY GRADED?	☒ YES / NO	☒ YES / NO	8-15-02 JG	
2. IS ELECTRICAL JUNCTION BOX ABOVE GRADE?	[Hatched]	☒ YES / NO		
3. DIAMETER OF PUMP CHAMBER <u>Access riser</u>	30 IN.	30 IN.		
4. IS CONSTRUCTION OF CHAMBER SATISFACTORY?	☒ YES / NO	☒ YES / NO		
5. MAKE AND MODEL NUMBER OF PUMPS *SEE NOTE BELOW	HYDRAMATIC SP50H Zeller N-163 ABS SP50H-500			
6. CHECK VALVES PROPERLY LOCATED (TYPE OF MATERIAL PORPOSED) <u>BRASS OR eqv.</u>	☒ YES / NO	☒ YES / NO		MATERIAL INSTALLED: BRASS
7. FORCE LINE (SIZE/MATERIAL/DEPTH)	2" PVC 24"	2" PVC 24"		
8. FLOATS (TYPE/NUMBER/SUSPENSION)	MEC 3	MEC 3		SUSPENSION: PVC
9. DISTANCE OVERRIDE BELOW INLET	16.24 IN.	16.0 IN.		
10. DISTANCE ALARM BELOW INLET	16.24 IN.	16.0 IN.		
11. HEIGHT OF "OFF" FLOAT ABOVE FLOOR	24.0 IN.	24.0 IN.		
12. DRAWDOWN BETWEEN ON & OFF FLOATS	5.76 IN.	6.0 IN.		
13. CHAMBER LID SEALED	[Hatched]	☒ YES / NO		
14. CONTROL PANEL (MAKE & MODEL #)	AM. HANCOCK CO. MEYER DAB-121-3			
(A) IS ALARM ON SEPARATE CIRCUIT?	☒ YES / NO	☒ YES / NO		
(B) DOES OVERRIDE FUNCTION PROPERLY?	[Hatched]	☒ YES / NO		
(C) DOES ALTERNATOR FUNCTION PROPERLY?	[Hatched]	☒ YES / NO		
(D) ARE PUMPS INDIVIDUALLY PROTECTED BY SEPARATE CIRCUIT BREAKERS?	☒ YES / NO	☒ YES / NO		
15. 6" SOLID CONCRETE BLOCK UNDER EACH PUMP OR EQUIVALENT CONSTRUCTION?	☒ YES / NO	☒ YES / NO	V	

*NOTE: THIS STATEMENT MUST BE COMPLETED AND SIGNED:

I, (PRINT NAME OF SDS CONTRACTOR) DO HEREBY CERTIFY THAT THE SEWAGE PUMPS INSTALLED ON THIS LOT ARE Zeller N-163 AND THAT THE PUMP IS CONSTRUCTED IN ACCORDANCE WITH APPROVED PLANS.

DATE 8-15-02 SIGNATURE OF SEWAGE DISPOSAL CONTRACTOR OR AUTHORIZED AGENT [Signature]
DATE 8-15-02 ENVIRONMENTAL HEALTH SPECIALIST [Signature]

FAIRFAX COUNTY DIVISION OF ENVIRONMENTAL HEALTH
SEWAGE EFFLUENT PUMP CALCULATIONS

PLANS PREPARED BY: Reid Dudley
ADDRESS: 10650 MAIN ST. SUITE 301
FAIRFAX VA. 22032
PHONE: (703) 5914606
DATE: 10-16-01

PERMIT HOLDER: Thomas C. Schuler
PROPERTY ADDRESS: 227 Dunmore Drive
Great Falls, VA. 22066
SUBDIVISION: Seneca Farms-Lot 26
TAX MAP I.D. 2-2-((2))-26

NO. OF BEDROOMS:

5

1) 225.00 NUMBER LINEAR FEET (1/2 TOTAL LINEAR FEET SHOWN ON PERMIT)
TO BE DOSED EACH CYCLE TIMES .65 GALLONS PER FOOT OF
4" ID PIPE TIMES 85% EQUALS GALLONS PUMPED PER CYCLE
(INCLUDES RESERVE CAPACITY)

2) 124.31 NUMBER OF GALLONS TO BE PUMPED EACH CYCLE

3) TAPP TANK SIZE ME-Products 1125.00 GALS.

4) 21.60 GALLONS PER INCH PER TANK

5) 5.76 INCHES DRAWDOWN PER CYCLE.

6) 350.89 GALLONS STORAGE (1/4 DAY REQ'D. ABOVE HIGH WATER ALARM)

7) 17.75 FEET OF STATIC LIFT

8) 2.00 INCHES DIAMETER OF DISCHARGE PIPE (2" MINIMUM PVC)

9) 243.00 FEET LENGTH OF RUN OF DISCHARGE PIPE.

10) 308.00 FEET EQUIVALENT LENGTH OF PIPE.

11) 27.08 FEET OF TDH AT 40 GPM MINIMUM.

12) 51.32 FEET OF TDH AT 80 GPM MAXIMUM.

NOTE: AN ELECTRICAL PERMIT IS
REQUIRED FOR INSTALLATION.

13) DRAWDOWN TIME

3 MIN.
1 MIN.

6 SEC.
33 SEC.

AT 40 GPM;
AT 80 GPM

14) RECOMENDED PUMP: #1 MAKE HYDROMATIC MODEL # SP 50H

48.00 GPM AT 32.00 FEET TDH
230 VOLTS 1 PHASE 0.5 HORSEPOWER

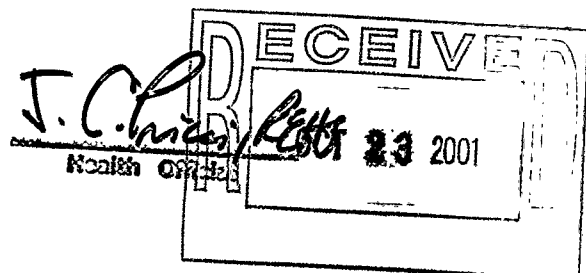
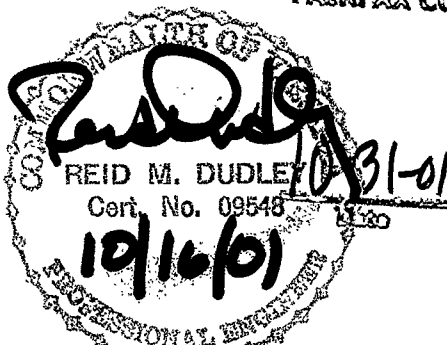
#2 MAKE ABS PUMPS MODEL # SESH-5W

53.00 GPM AT 35.00 FEET TDH
230 VOLTS 1 PHASE 0.5 HORSEPOWER

15) CONTROL PANEL: AMERICAN MODEL# DAB 121-J
231 VOLTS 1 PHASE 1/2 MAXIMUM HORSEPOWER

APPROVED SUBJECT TO NOTATIONS SHOWN

FAIRFAX COUNTY HEALTH DEPARTMENT



HEALTH DEPARTMENT COPY

DV	LF. FROM	PUMP	DB-2
TOP	PUMPTO DV	TOP	TOP
352.70	243.00	337.70	348.20

30"

INSIDE DIAMETER OF ACCESS MANHOLE
(30" MIN)

GROUND SURFACE ELEV.	337.70
INLET INVERT ELEV.	335.80
TOTAL USABLE STORAGE ABOVE HIGH WATER ALARM (GALLONS)	350.89
LAG PUMP	16.24
PUMP OFF DRAW DOWN IN INCHES	5.76

335.70 24" MIN FROM GROUND ELEV. PVC DISCHARGE

333.45 PUMP OFF ELEV.

331.45 INSIDE BOTTOM ELEV.

INV. ELEV. 351.20

	INSIDE DIMENSIONS (INCHES)			GAL/IN	MANUFACTURER
GALLONS	LENGTH	WIDTH	LIQ. DEPTH		
1125.00	97.00	51.00	52.00	21.60	TAPP ME-Products

PERC DATA:
 NUMBER OF BEDROOMS: 10 RATE @ 48"
 USE 5 REQUIRES 450 LF.
 8 LINES 56.3 FT. LENGTH

SEWER INVERTS:
 HOUSE: 337.50
 TANK IN: 336.10
 TANK OUT: 336.00
 PUMP IN: 335.80
 PUMP OUT: 335.70
 DV: 351.20
 DB-1: 351.10
 DB-2: 346.70



DATE January 1, 1986

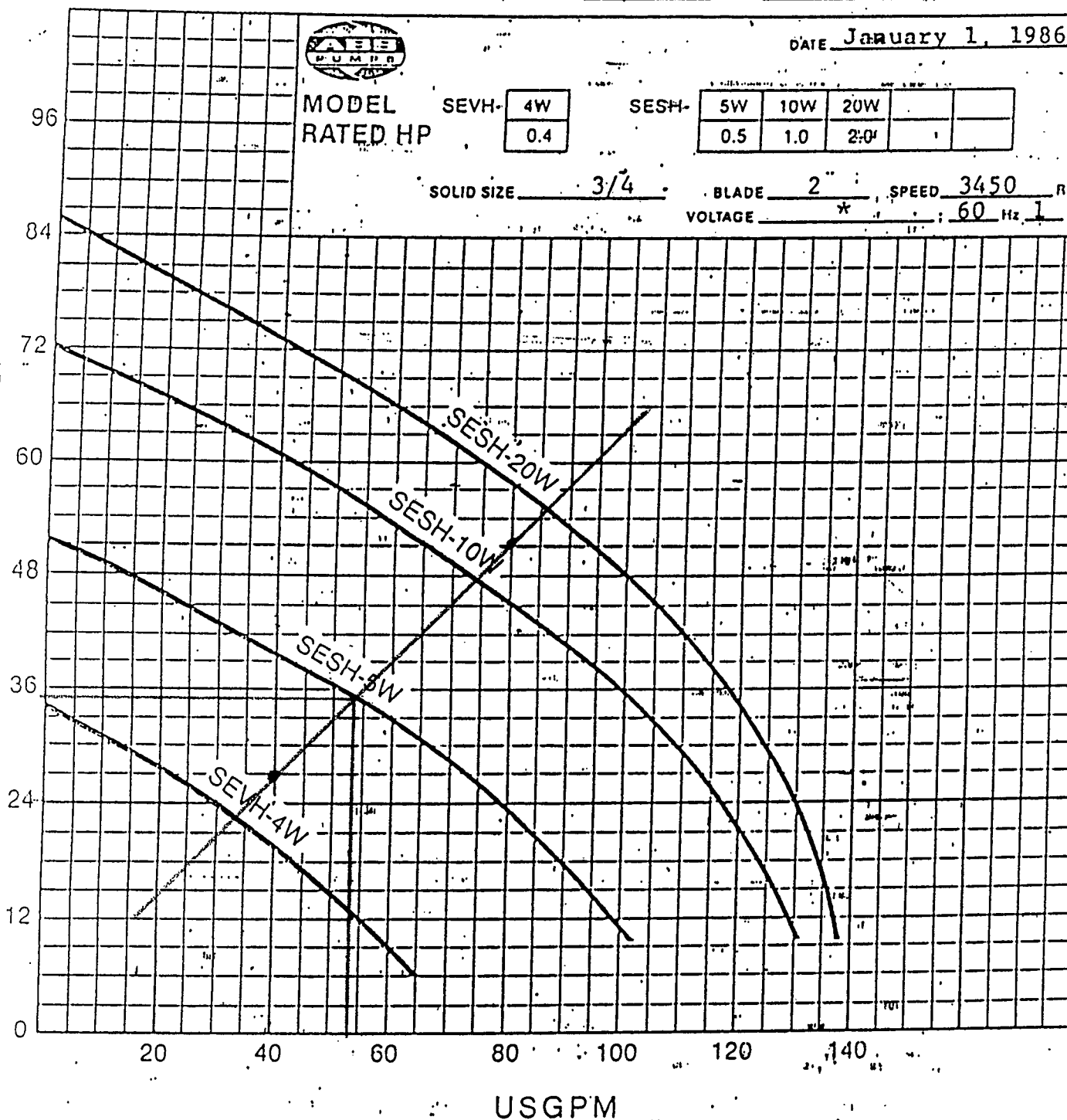
MODEL
RATED HP

SEVH-4W
0.4

SESH-5W 10W 20W
0.5 1.0 2.0

SOLID SIZE 3/4

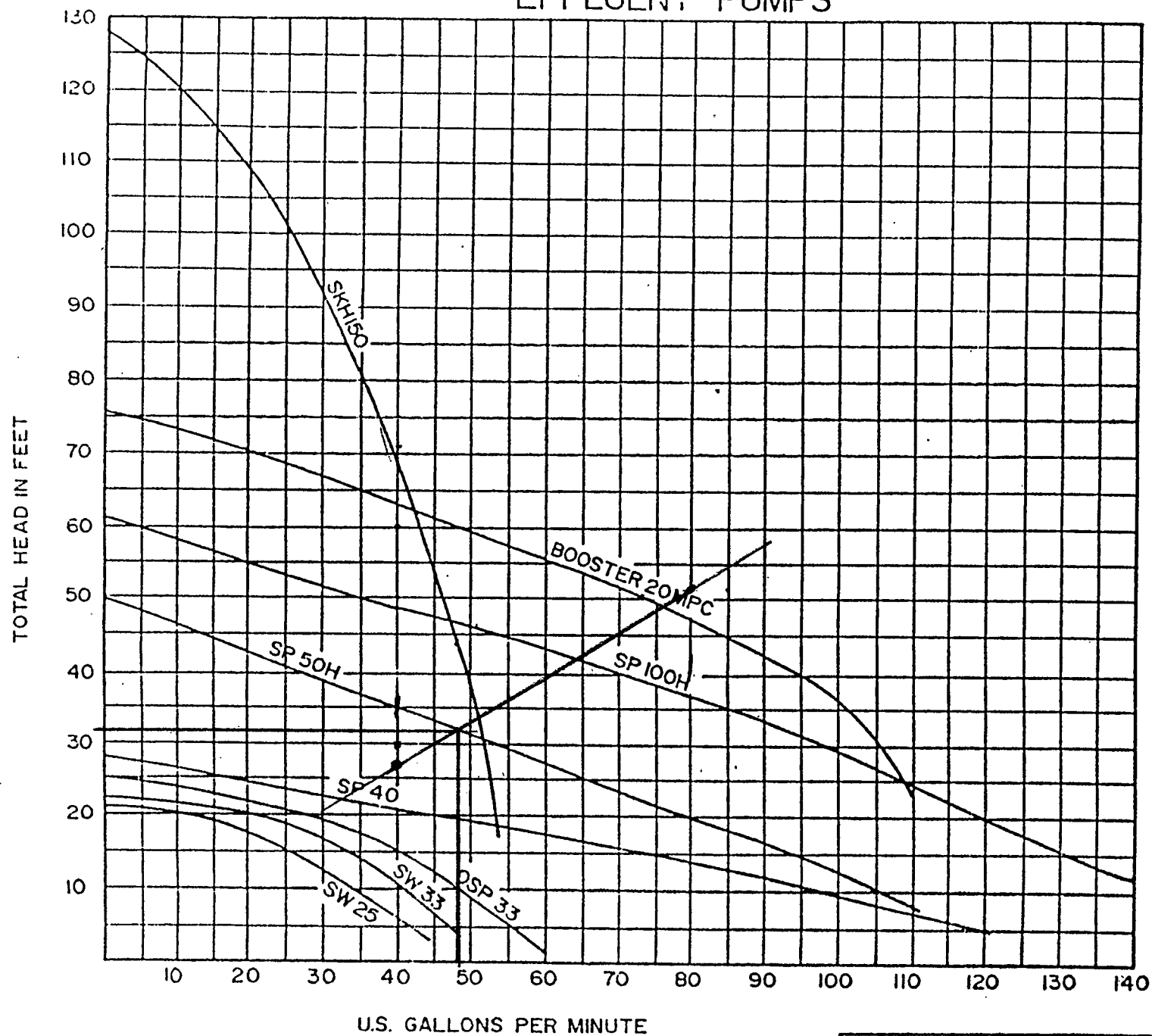
BLADE 2" SPEED 3450 RPM
VOLTAGE * 60 Hz 1 PH



Yorkshire Supply Inc.
306 Industrial Dr. S.E.
Unit B & C
Leesburg, Va. 22075

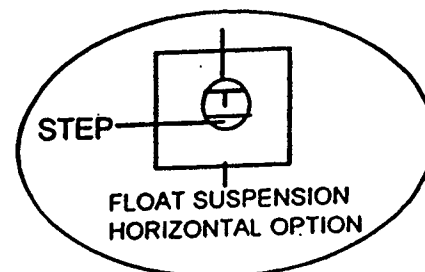
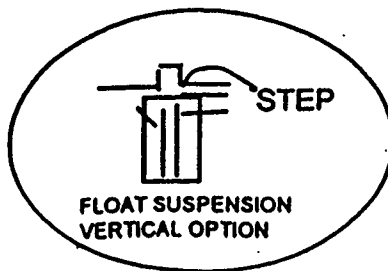
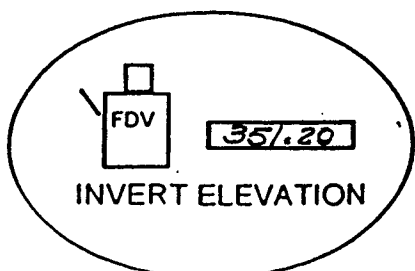
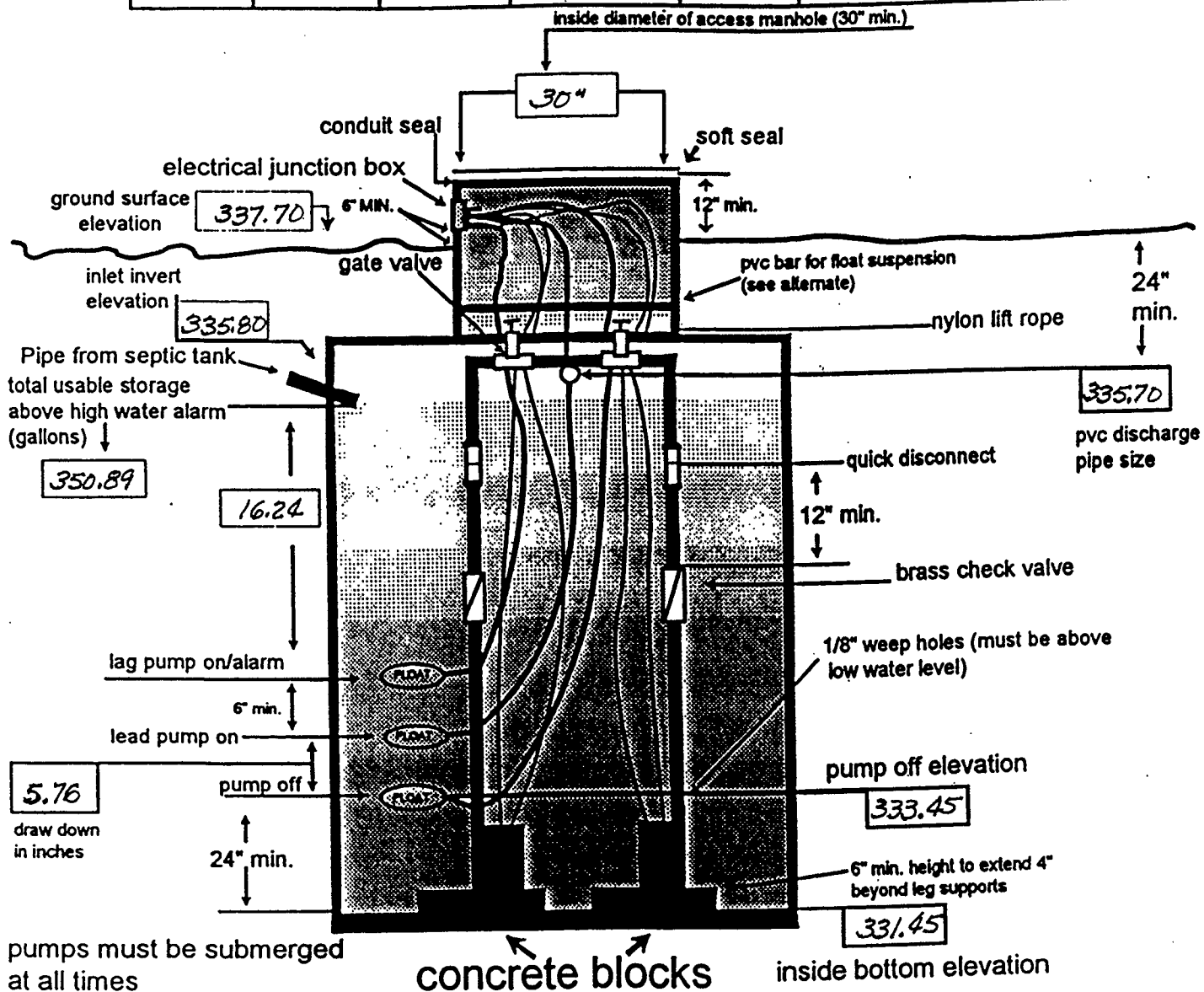
* SEVH-4W: 115V or 230V, 208V
SESH-5W: 115/230V, 208V
SESH-10W and SESH-20W: 230V only

EFFLUENT PUMPS



AMERICAN MANUFACTURING CO., INC.
MANASSAS, VA 369-3800

GALLONS	INSIDE DIMENSIONS (INCHES)			GAL/IN	MANUFACTURER
	LENGTH	WIDTH	LIQ. DEPTH		
1125.00	97.00	51.00	52.00	21.60	JAPP WE-PRODUCTS



NOTE: FLOATS MUST BE INSTALLED AS NOT TO BE DISTURBED BY WASTEWATER ENTERING THE TANK

Form GW-2
1978-10,000

COMMONWEALTH OF VIRGINIA

WATER WELL COMPLETION REPORT

• BWCM No. _____

(Certification of Completion/County Permit)

State Water Control Board
P. O. Box 11143
2111 North Hamilton St.
Richmond, Va. 23230County/City Fairfax227 Donmore Dr.
County/City Stamp

• Virginia Plane Coordinates

N _____
E _____
Latitude & Longitude
N _____
W _____

• Topo. Map No. _____

• Elevation _____ ft.

• Formation _____

• Lithology _____

• River Basin _____

• Province _____

• Type Logs Driller

• Cuttings _____

• Water Analysis _____

• Aquifer Test _____

• Owner Tom Schuller• Well Designation or Number 129-01-1413Address 9903 Georgetown Pk.Great Falls, Va. 22066

Phone _____

• Drilling Contractor Runyon Well Drilling & Pump Corp.Address P.O. Box 1726Leesburg, Va. 20177Phone 777-2270

WELL LOCATION: _____ (feet/miles _____ direction) of _____

and _____ feet/miles _____ (direction) of 227 Donmore Dr., Great Falls, Va.
(If possible please include map showing location marked)Date started 3/4/02 • Date completed 3/6/02 Type rig Air Rotary

SWCB Permit _____

County Permit _____

Certification of inspecting official:

This well does _____ does not _____
meet code/low requirements.

S. _____

Date _____

For Office Use

Tax Map I.D. No. 2-2-002-26

Subdivision _____

Section _____

Block _____

Lot 26

Class Well. I _____, IIA _____

IIB _____, IIA _____, IIB X

IIC _____, IID _____, IIE _____

1. WELL DATA: New X Reworked _____ Deepened _____• Total depth 475 ft.• Depth to bedrock 45 ft.

• Hole size (Also include reamed zones)

• 10 inches from 0 to 61 1/2 ft.• 6 1/8 inches from 61 1/2 to 475 ft.

• _____ inches from _____ to _____ ft.

• Casing size (I.D.) and material

• 6 5/8 inches from +1 1/2 to 61 1/2 ft.Material SteelWt. per foot #13 or wall thickness .188 in.

• _____ inches from _____ to _____ ft.

Material _____

Wt. per foot _____ or wall thickness _____ in.

• _____ inches from _____ to _____ ft.

Material _____

Wt. per foot _____ or wall thickness _____ in.

• Screen size and mesh for each zone (where applicable)

• _____ inches from _____ to _____ ft.

• Mesh size _____ Type _____

• _____ inches from _____ to _____ ft.

• Mesh size _____ Type _____

• _____ inches from _____ to _____ ft.

• Mesh size _____ Type _____

• _____ inches from _____ to _____ ft.

• Mesh size _____ Type _____

• Gravel pack

• From _____ to _____ ft.

• From _____ to _____ ft.

• Grout

• From 0 to 55 ft., Type Grout

• From _____ to _____ ft., Type _____

2. WATER DATA • Water temperature _____ OF

• Static water level (unpumped level-measured) 30 ft.

• Stabilized measured pumping water level _____ ft.

• Stabilized yield 15 gpm after 2 hoursNatural Flow: Yes _____ No X, flow rate _____ gpmComment on quality Clear3. WATER ZONES: From 94 To 95From 280 To 281 From 455 To 456

From _____ To _____ From _____ To _____

4. USE DATA:

Type of use: Drinking X, Livestock Watering _____Irrigation _____ Food processing _____ Household X

Manufacturing _____ Fire safety _____ Cleaning _____

Recreation _____ Aesthetic _____ Cooling or heating _____

Injection _____ Other _____

• Type of facility: Domestic X, Public water supply _____

Public institution _____ Farm _____ Industry _____

Commercial _____ Other _____

5. PUMP DATA: Type SubGoulds Rated H.P. 1 1/2 12SB1512• Intake depth 455 • Capacity 6 GPM at 512.4 head6. WELLHEAD: Type well seal Pitless AdaptorPressure tank V260 gal., Loc. BasementSample tap X, Measurement port _____Well vent X, Pressure relief valve XGate valve X, Check valve (when required) XElectrical disconnect switch on power supply X7. DISINFECTION: Well disinfected X yes _____ no _____Date 5/29/02, Disinfectant used HTHAmount 12 oz., Hours used _____

8. ABANDONMENT (where applicable) • yes _____ no _____

Casing pulled yes _____ no _____ not applicable _____

Plugging grout From _____ to _____ material _____

Owner Schuller, T

BWCM No. _____

9. State law requires submitting to the Virginia State Water Control Board information about groundwater and wells for every well made in the State intended for water, or any other non-exempt well. This information must be submitted whether the well is completed, on standby, or abandoned. Information required includes: an accurately and completely prepared water well completion report, full data from any aquifer pumping tests, drill cuttings taken at ten foot intervals (unless exemption is secured), the results of any chemical analyses, and copies of any geophysical logs. Quarterly pumpage and use reports are required from owners of public supply and industrial wells. County or State permits to drill may be required in some parts of the state. Some counties require submission of a water well completion report. The Virginia State Health Department requires a water well completion report for public supply wells.

10. DRILLERS LOG (use additional Sheets if necessary)

10. DRILLERS LOG (use additional Sheets if necessary)				11.	12. DIAGRAM OF WELL CONSTRUCTION (with dimensions)
DEPTH (feet)		TYPE OF ROCK OR SOIL	REMARKS	Drilling Time (Min.)	
From	To	(color, material, fossils, hardness, etc.)	(water, caving, cavities, broken, core, shot, (etc.))		
0	45	Overburden			
45	475	Bluestone & Quartz			

13. Well for dedicated? _____ Size _____ ft. X _____ ft., Well house? _____
 Distance to nearest pollutant source _____ ft., Type _____
 Distance to nearest property line _____ ft., Building _____ ft.

14. WATER SERVICE PIPE: Checked under _____ p.s.i. for _____ minutes. Pipe size 1 inches, Material 160 lb. Poly Pipe
 Installer Runyon Well Drilling & Pump Corp.
 Date 5/29/02 P.E. is continuous no splices elec wire
 w/g uf cable is continuous without underground splices.

15. I certify that the information contained herein is true and correct and that this well and/or system has been installed and constructed in accordance with the requirements for well construction as specified in compliance with appropriate county or independent city ordinances and the laws and rules of the Commonwealth of Virginia.

Signature [Signature] (Seal), Date 6/27/02
 (Well driller or authorized person) License No. 9733

State Water Control Board Regional Offices

Valley Reg. Off.
 116 North Main Street
 P. O. Box 268
 Bridgewater, Va. 22812
 703-828-2595

Southwest Reg. Off.
 408 East Main Street
 P. O. Box 476
 Abingdon, Va. 24210
 703-628-5183

West Central Reg. Off.
 Executive Park
 5312 Peters Creek Road
 Roanoke, Va. 24019
 982-7432

Piedmont Reg. Off.
 4010 West Broad Street
 P. O. Box 5616
 Richmond, Va. 23230
 804-257-1006

Tidewater Reg. Off.
 287 Pembroke Office Park
 Suite 310 Pembroke No. 2
 Va. Beach, Va. 23462
 804-499-8742

Northern Virginia Reg. Off.
 5515 Cherokee Avenue
 Suite 404
 Alexandria, Va. 22312
 703-750-9111

HEALTH DEPARTMENT

APPROVED
 FAIRFAX COUNTY HEALTH DEPARTMENT
 1,000 gal. UST Propane
 5-15-02
 Date
 Health Official

Installation Requirements shall conform to

BOCA F-3600

NEPA 58

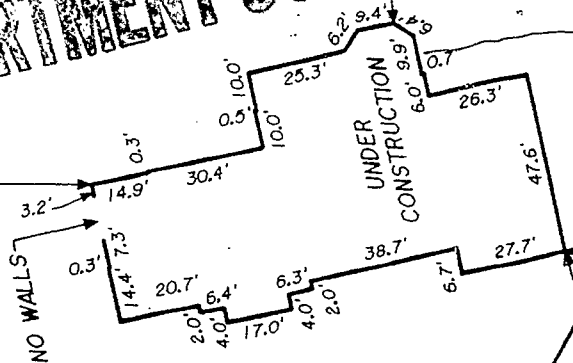
LOT 26
 6.8630 AC.
 #227

Plans Reviewed By Fire Marshal.
 Plans are:

- ☐ Approved
- ☒ Approved as noted
- ☐ Not approved, correct and resubmit

Date: 5-7-02

By: D. T. HOMA



10' clear
 per
 Fire
 Prev.
 Code

Check w/
 health Dept.
 on well clearance.

N73°37'05"W 260.60'

RAEHN COURT

50' INTERSECTION

A = 148.89' R = 499.21'

A = 42.83' R = 288.48'

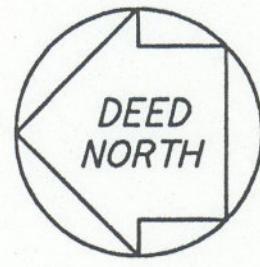
N09°12'51"W 214.87'

DONMORE DRIVE

EGRESS EASEMENT
 PAGE 727

OFFICE OF FIRE MARSHAL

OUTLOT 44B



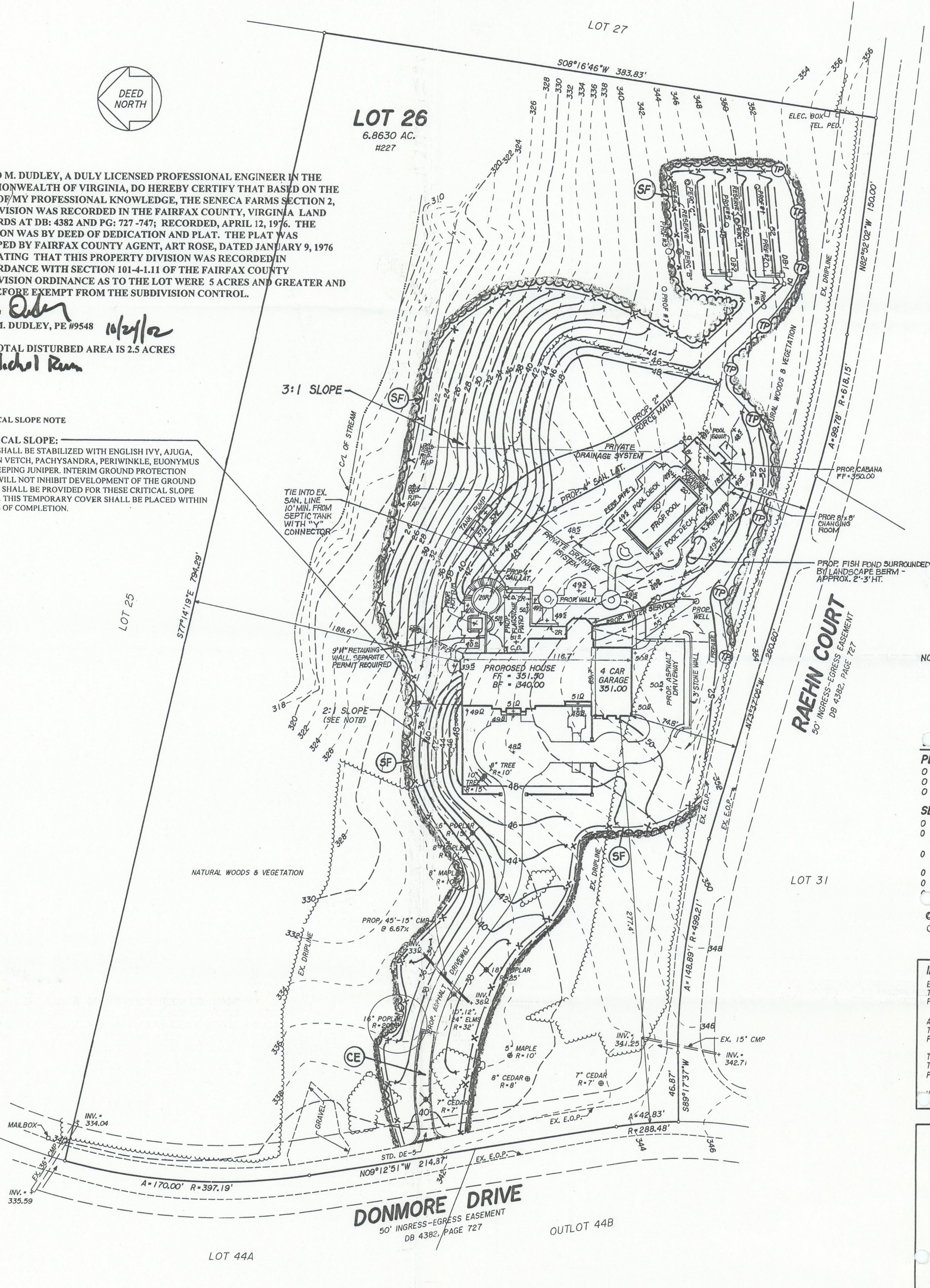
LOT 26
6.8630 AC.
H227

I, REID M. DUDLEY, A DULY LICENSED PROFESSIONAL ENGINEER IN THE COMMONWEALTH OF VIRGINIA, DO HEREBY CERTIFY THAT BASED ON THE BEST OF MY PROFESSIONAL KNOWLEDGE, THE SENECA FARMS SECTION 2, SUBDIVISION WAS RECORDED IN THE FAIRFAX COUNTY, VIRGINIA LAND RECORDS AT DB: 4382 AND PG: 727-747; RECORDED, APRIL 12, 1976. THE DIVISION WAS BY DEED OF DEDICATION AND PLAT. THE PLAT WAS STAMPED BY FAIRFAX COUNTY AGENT, ART ROSE, DATED JANUARY 9, 1976 INDICATING THAT THIS PROPERTY DIVISION WAS RECORDED IN ACCORDANCE WITH SECTION 101-4.1.11 OF THE FAIRFAX COUNTY SUBDIVISION ORDINANCE AS TO THE LOT WERE 5 ACRES AND GREATER AND THEREFORE EXEMPT FROM THE SUBDIVISION CONTROL.

Reid M. Dudley
REID M. DUDLEY, PE #9548
10/24/02
THE TOTAL DISTURBED AREA IS 2.5 ACRES
Nichol Run

CRITICAL SLOPE NOTE

CRITICAL SLOPE:
AREA SHALL BE STABILIZED WITH ENGLISH IVY, AJUGA, CROWN VETCH, PACHYSANDRA, PERIWINKLE, EUNYMIUS OR CREEPING JUNIPER. INTERIM GROUND PROTECTION THAT WILL NOT INHIBIT DEVELOPMENT OF THE GROUND COVER SHALL BE PROVIDED FOR THESE CRITICAL SLOPE AREAS. THIS TEMPORARY COVER SHALL BE PLACED WITHIN 3 DAYS OF COMPLETION.



FAIRFAX COUNTY HEALTH DEPARTMENT
DIVISION OF ENVIRONMENTAL HEALTH
Emergency emptying of a pool to be discharged to natural drainage or storm sewer. Filter backwash to be disposed of so that drainage does not (1) enter onto adjacent properties, (2) enter onto existing or proposed septic system areas, (3) enter into a sewer line connected to an on-site sewage disposal system, and (4) flow directly towards a well.
10/24/02
Date: 10/24/02
By: *Reid M. Dudley*
Title: Professional Engineer

NOTE: SEPARATE PERMIT REQUIRED FOR RETAINING WALLS OVER 2 FEET IN HEIGHT.

RAINFALL INFORMATION:

PERC DATA:
O RATE: 10R @ 48"
O 5 BEDROOMS: 450 L.F. REQ'D
O USE 3 LINES AT 56.3" EACH

SEWER INVERTS:
O HOUSE: 337.50 CABANA: 347.50
O TANK (IN): 335.40 INV. INTO: 335.65
O TANK (OUT): 335.30 EX. SEWER LINE
O PUMP (IN): 335.10
O PUMP (OUT): 335.00
O DV: 351.20
O DB-1: 351.10
O DB-2: 346.70

○ DENOTES PERC. HOLE LOCATION
○ DENOTES PROFILE HOLE LOCATION

IMPERVIOUS CALCULATIONS:

EXISTING IMPERVIOUS AREA: 12,750 S.F.
TOTAL LOT SIZE: 298,952 S.F. (6.8630 AC.)
PERCENT (%) IMPERVIOUS COVER: 12,750 / 298,952 = 4.27%
ADDITIONAL IMPERVIOUS AREA: 20,100 S.F.
TOTAL LOT SIZE: 298,952 S.F. (6.8630 AC.)
PERCENT (%) IMPERVIOUS COVER: 20,100 / 298,952 = 6.72%
TOTAL IMPERVIOUS AREA: 32,850 S.F.
TOTAL LOT SIZE: 298,952 S.F. (6.8630 AC.)
PERCENT (%) IMPERVIOUS COVER: 32,850 / 298,952 = 10.99%
UNDER 6-401 (1) REQUIREMENT FOR STORM WATER RUNOFF QUALITY CONTROL DOES NOT APPLY. THIS CONFORMS TO C-BAY 118-3-2-F(1).

TREE COVER CALCULATIONS

GROSS SITE DEDUCTIBLE AREA - SEPTIC FIELD/POOL
SUBTOTAL
PERCENTAGE TREE COVER REQUIRED
10 YEAR COVER REQUIRED
EXISTING TREE COVER
FACTOR
SUBTOTAL
TREE COVER TO BE PROVIDED BY NEW TREES
TOTAL TREE COVER PROVIDED

• 298,952 SQ.FT.
• 5,000 SQ.FT.
• 293,952 SQ.FT.
• X 0.20
• 58,790 SQ.FT.
• 160,000 SQ.FT.
• X 1.25
• 200,000 SQ.FT.
• 0
• 200,000 SQ.FT.

EROSION AND SEDIMENTATION CONTROL NOTES:
1. NO DISTURBED AREA WILL BE DENuded FOR MORE THAN 14 CALENDAR DAYS UNLESS OTHERWISE AUTHORIZED BY THE DIRECTOR OR HIS AGENT.
2. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED PRIOR TO OR AS THE FIRST STEP IN GRADING.
3. EROSION AND SEDIMENTATION CONTROLS SHALL CONFORM TO THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AS APPROPRIATE AND THE FAIRFAX COUNTY CHECKLIST FOR EROSION & SEDIMENT CONTROL.

EROSION AND SEDIMENTATION CONTROL SEQUENCE:

1. PRIOR TO CONSTRUCTION, A MEETING WITH THE SITE INSPECTOR WILL ESTABLISH THE LIMITS OF CLEARING AND CONSTRUCTION AS MARKED ON THIS PLAN.
 2. ROUGH GRADE THE DRIVEWAY ENTRANCE AND INSTALL CONSTRUCTION ENTRANCE AS SHOWN. MUD AND DEBRIS SHALL BE WASHED FROM ALL CONSTRUCTION VEHICLES AND EQUIPMENT BEFORE LEAVING SITE.
 3. INSTALL EROSION AND SEDIMENTATION CONTROLS AS SHOWN ON THE GRADING PLAN.
 4. ONCE THE CONTROLS ARE IN PLACE, CLEAR AND GRADE THE REMAINDER OF THE SITE PER THE GRADING PLAN.
 5. TEMPORARY SEEDING AND MULCHING ARE TO BE APPLIED TO DISTURBED AREAS AFTER INITIAL CLEARING DISTURBANCE. TEMPORARY COVER BY SEEDING AND/OR MULCHING SHOULD BE PROVIDED ON AREAS WHICH WILL BE EXPOSED FOR A PERIOD GREATER THAN 14 DAYS BEFORE PERMANENT STABILIZATION CAN BE ACHIEVED.
 6. ALL FILLS ARE TO BE LEFT WITH A LIP AND SILT FENCE AT THE TOE OF THE SLOPE AT THE END OF EACH DAY. SOIL THAT IS TO BE STOCKPILED ON-SITE IS TO BE SEEDDED AND MULCHED WITH TEMPORARY VEGETATION AND THE PERIMETER SURROUNDED WITH A SILT FENCE IMMEDIATELY AFTER GRADING.
 7. AFTER CONSTRUCTION OPERATIONS HAVE ENDED AND ALL DISTURBED AREAS HAVE BEEN STABILIZED, MECHANICAL SEDIMENT CONTROLS SHALL BE REMOVED AND THE GROUND PERMANENTLY STABILIZED WITH VEGETATION UPON THE APPROVAL OF THE FAIRFAX COUNTY INSPECTOR.
- MAINTENANCE PROGRAM: ALL EROSION AND SEDIMENT CONTROLS SHALL BE MONITORED DAILY BY THE SITE SUPERINTENDENT. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL. THE DEVELOPER GRANTS THE RIGHT OF ENTRY ONTO THIS PROPERTY TO THE DESIGNATED COUNTY PERSONNEL FOR THE PURPOSE OF INSPECTING AND MONITORING FOR COMPLIANCE WITH THE CODE OF VIRGINIA EROSION AND SEDIMENT CONTROL LAW (TITLE 10, CHAPTER 5, ARTICLE 4). ANY DAMAGED CONTROL MEASURE IS TO BE REPAIRED BY THE CLOSE OF THE DAY. NO CONTROL MEASURE IS TO BE REMOVED OR ALTERED UNLESS APPROVED BY THE SITE INSPECTOR. ALL SEDIMENT TRAPPING DEVICES SHALL BE CLEANED OUT AT 50% TRAP CAPACITY AND THE SEDIMENT SHALL BE DISPOSED OF BY SPREADING ON THE SITE OR HAULING AWAY IF NOT SUITABLE FOR FILL. THIS ALSO COMPLES WITH CHAPTER 104 OF THE COUNTY CODE. (SECTION 11 OF PFM)

CONSTRUCTION LIMITS & TREE LINES

LIMITS OF CONSTRUCTION & GRADING
(IN OPEN OR PAVED AREAS W/LITTLE OR NO VEGETATION)

LIMITS OF CONSTRUCTION, GRADING & CLEARING
(IN AREAS WHERE EXISTING TREES ARE TO BE REMOVED)

EXISTING TREE LINE

- EROSION SEDIMENTATION CONTROLS**
- SF SILT FENCE: SPEC 3.05
 - SSF C-BAY WAIVER REQUIRES SUPER SILT FENCE - PFM PLATE H11-11
 - CE CONSTRUCTION ENTRANCE: SPEC 3.02 75' (OR MAXIMUM LENGTH POSSIBLE) CONSTR. ENTRANCE USE 6" DEPTH SURGE STONE, OR SUBSTITUTE TYPICAL DRIVEWAY SUBBASE STONE WITH FILTER FABRIC UNDERLINER PER CHAPTER 104-1-8, H3
 - TP TREE PROTECTION: SPEC 3.36 (40" ORANGE PLASTIC FENCE)

NOTES:

1. TAX MAP NO.: 2-2-((2))-26
2. ZONE: R-E
3. OWNER: THOMAS C. SCHULER, TR. DEED BOOK 11466 PAGE 1150
4. PROPERTY ADDRESS: 227 DONMORE DRIVE GREAT FALLS, VA. 22066
5. NO TITLE REPORT FURNISHED.
6. BOUNDARY AND TOPOGRAPHY BY OTHERS.
7. LOT SERVED BY PRIVATE WATER AND PRIVATE SEWER.

MINIMUM SETBACK REQUIREMENTS PER ZONE:
FRONT: 50 FEET
SIDE: 20 FEET
REAR: 25 FEET

F.E.M.A. / F.I.R.M. FLOOD DATA:
COMMUNITY NO.: 515525
H & I PANEL NO.: 0050 D
FLOOD ZONE: X
EFFECTIVE: 3-05-1990

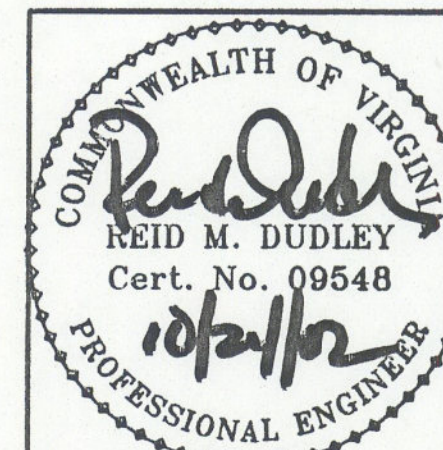
APPROVED FOR GRADING

As Noted
Lot 26

ONLY
DATE: 10/24/02
BY: *Reid M. Dudley*

WETLANDS CERTIFICATION

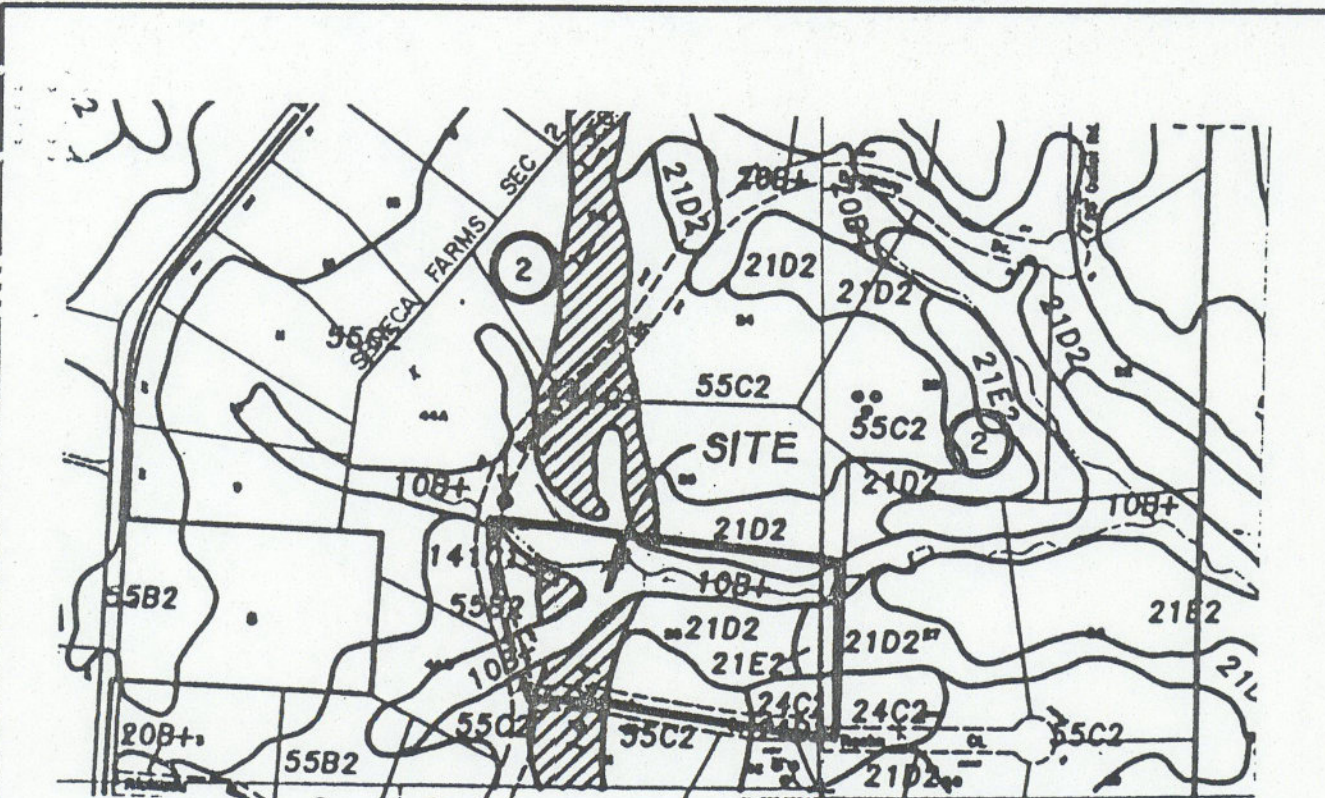
I HEREBY CERTIFY THAT ALL WETLANDS PERMITS REQUIRED BY LAW WILL BE OBTAINED PRIOR TO COMMENCING ANY LAND DISTURBING ACTIVITIES.
Reid M. Dudley
SIGNATURE:
OWNER / DEVELOPER:
TITLE:



SCALE: 1" = 40'
DATE: 10-03-2001
BY: SKF/RMD
REVISIONS:
10-16-01: SEPTIC FIELD
8-27-02: ADD POOL, PATIO, CABANA, STEPS
9-03-02: REV. GRADING, CLEARING LIMITS, LOC. OF SEPTIC TANK & PUMP, REMOVE ENTR. RAEMH C.F.

GRADING PLAN
LOT 26 - SECTION 3
SENECA FARMS
DANESVILLE DISTRICT FAIRFAX COUNTY, VIRGINIA
RUNYON, DUDLEY, ASSOCIATES, INC.
ENGINEERING - SURVEYING - PLANNING
10650 MAIN STREET - SUITE H301
FAIRFAX, VA 22030 - PH: (703) 591-4606 FX: 591-3982

SHEET
1 OF 2
F-1927 GP



SOILS DATA							
SOILS ID NO.	SERIES NAME	FOUNDATION SUPPORT	SUBSURFACE DRAINAGE	SLOPE STABILITY	ERODABILITY	GEOTECHNICAL REPORT REQUIRED	
109+	GLENVILLE	FAIR	MARGINAL	GOOD	MODERATE	B (NO)	
2102/E2	MANOR	GOOD	GOOD	GOOD	SEVERE	C (NO)	
24C2	ELIOAK	GOOD	GOOD	GOOD	SEVERE	C (NO)	
5582/C2	GLENELG	GOOD	GOOD	GOOD	SEVERE	C (NO)	
141C1	ROCKY LAND (ORANGE)	MARGINAL	MARGINAL	GOOD	SLIGHT	# A (YES)	
SOIL TYPES BY LOT NUMBER							
LOT #	SOIL(S) NO(S)	SOIL SERIES NAME(S)	PROBLEM CLASS				
26	10, 21, 24,	GLENVILLE, MANOR, ELIOAK,	B, C, C, C, A				
	55, 141	GLENELG, ROCKY LAND (ORANGE)					

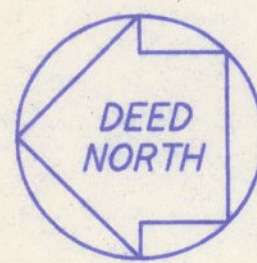


All silt fences shall be super silt fence, or double silt fence, due to the presence of the creek.

CONTRACTORS SHALL NOTIFY OPERATORS WHO MAINTAIN UNDERGROUND UTILITY LINES IN THE AREA OF PROPOSED EXCAVATION OR BLASTING AT LEAST TWO WORKING DAYS, BUT NOT MORE THAN TEN WORKING DAYS PRIOR TO COMMENCEMENT OF EXCAVATION OR DEMOLITION IN ACCORDANCE WITH SECTION 63-2-2 OF THE FAIRFAX COUNTY CODE. NAMES AND TELEPHONE NUMBERS SHALL ALSO BE USED TO SERVE IN AN EMERGENCY CONDITION AS REQUIRED BY SECTION 63-2-2 OF THE CODE.

*** CONTACT "MISS UTILITY" AT: 1-800-257-7777 ***
THE EXISTING UNDERGROUND UTILITIES SHOWN HEREON ARE BASED UPON AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES BEFORE COMMENCING WORK, AND FOR ANY DAMAGES WHICH OCCUR BY HIS FAILURE TO LOCATE OR PRESERVE THE UNDERGROUND UTILITIES. IF, DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHOULD ENCOUNTER UTILITIES OTHER THAN THOSE LOCATIONS SHOWN ON THE PLANS, HE SHALL IMMEDIATELY NOTIFY THE ENGINEER, AND TAKE NECESSARY AND PROPER STEPS TO PROTECT THE FACILITY, AND ASSURE THE CONTINUANCE OF SERVICE.

NO EARTH DISTURBANCE OR CONSTRUCTION ALLOWED UNTIL PERMIT # *2-2-((2))-26* IS ISSUED.



LOT 26
6.8630 AC.
#227

* NEW FORCE MAIN RUN -
PARTIAL REPLACEMENT OF
EXISTING F.M. RUN BETWEEN
POINTS X & Y

* NEW SEPTIC TANK &
PUMP STATION MUST
BE TOP JOINT TANKS!

* MAINTAIN A MINIMUM COVER OF 8'
* TANKS MUST BE AT LEAST 1' INTO
ORIGINAL GRADE.

CRITICAL SLOPE NOTE

CRITICAL SLOPE:
AREA SHALL BE STABILIZED WITH ENGLISH IVY, AJUGA,
CROWN VETCH, PACHYSANDRA, PERIWINKLE, EUONYMUS
OR CREEPING JUNIPER. INTERIM GROUND PROTECTION
THAT WILL NOT INHIBIT DEVELOPMENT OF THE GROUND
COVER SHALL BE PROVIDED FOR THESE CRITICAL SLOPE
AREAS. THIS TEMPORARY COVER SHALL BE PLACED WITHIN
3 DAYS OF COMPLETION.

EXISTING
SEPTIC TANK &
PUMP STATION
LOCATION - TO BE
APPROVED.

ELV.
337.0 FINISH GRADE AS PROPOSED

335.4
330.0
329.0
EXISTING GRADE AS
BOTTOM OF TANK.
SHOWN

EXISTING DRAINFIELD
AREA

APPROVED
FAIRFAX COUNTY HEALTH DEPARTMENT
RETAINING WALL LOCATIONS
10/26/02 J.C. P...
Date Health Official

FAIRFAX COUNTY HEALTH DEPARTMENT
DIVISION OF ENVIRONMENTAL HEALTH
Emergency emptying of a pool to be
discharged to natural drainage or storm
drainage. Filter backwash to be disposed of so
that drainage does not (1) enter onto
adjacent properties, (2) enter onto
existing or proposed septic system areas,
(3) enter into a sewer line connected to an
on-site sewage disposal system, and (4)
flow directly towards a...
10/8/02 J.C. P...
Date Flat Approved Health Official

NOTE: SEPARATE PERMIT REQUIRED
FOR RETAINING WALLS OVER
2 FEET IN HEIGHT.

DRAINFIELD INFORMATION:

PERC DATA:
O RATE: 108 B 48"
O 5 BEDROOMS: 450 L.F. REQ'D
O USE "LINES AT 56.3" EACH

SEWER INVERTS:

O HOUSE: 337.50
O TANK (IN): 335.40
O TANK (OUT): 335.30
O PUMP (IN): 335.10
O PUMP (OUT): 335.00
O DV: 351.20
O D8-1: 351.10
O D8-2: 346.70

CABANA: 347.50
INV. INTO: 335.85
EX. SEWER LINE

○ DENOTES PERC. HOLE LOCATION
○ DENOTES PROFILE HOLE LOCATION

IMPERVIOUS CALCULATIONS:

EXISTING IMPERVIOUS AREA: 12,750 S.F.
TOTAL LOT SIZE: 298,952 S.F. (6.8630 AC.)
PERCENT (%) IMPERVIOUS COVER: 12,750 / 298,952 = 4.27%
ADDITIONAL IMPERVIOUS AREA: 20,100 S.F.
TOTAL LOT SIZE: 298,952 S.F. (6.8630 AC.)
PERCENT (%) IMPERVIOUS COVER: 20,100 / 298,952 = 6.72%
TOTAL IMPERVIOUS AREA: 32,850 S.F.
TOTAL LOT SIZE: 298,952 S.F. (6.8630 AC.)
PERCENT (%) IMPERVIOUS COVER: 32,850 / 298,952 = 10.99%
UNDER 6-401.2(a) REQUIREMENT FOR STORM WATER RUNOFF QUALITY
CONTROL DOES NOT APPLY. THIS CONFORMS TO C-BAY 118-3-2-F(1).

TREE COVER CALCULATIONS

GROSS SITE: 298,952 SQ.FT.
DEDUCTIBLE AREA - SEPTIC FIELD/POOL: 5,000 SQ.FT.
SUBTOTAL: 293,952 SQ.FT.
PERCENTAGE TREE COVER REQUIRED: X 0.20
10 YEAR COVER REQUIRED: 58,790 SQ.FT.
EXISTING TREE COVER: 160,000 SQ.FT.
FACTOR: X 1.25
SUBTOTAL: 200,000 SQ.FT.
TREE COVER TO BE PROVIDED BY NEW TREES: 0
TOTAL TREE COVER PROVIDED: 200,000 SQ.FT.

EROSION AND SEDIMENTATION CONTROL NOTES:

1. NO DISTURBED AREA WILL BE DENuded FOR MORE THAN 14 CALENDAR DAYS UNLESS OTHERWISE AUTHORIZED BY THE DIRECTOR OR HIS AGENT
2. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED PRIOR TO OR AS THE FIRST STEP IN GRADING.
3. EROSION AND SEDIMENT CONTROL SHALL CONFORM TO THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AS APPROPRIATE AND THE FAIRFAX COUNTY CHECKLIST FOR EROSION & SEDIMENT CONTROL.

EROSION AND SEDIMENTATION CONTROL SEQUENCE:

1. PRIOR TO CONSTRUCTION, A MEETING WITH THE SITE INSPECTOR WILL ESTABLISH THE LIMITS OF CLEARING AND CONSTRUCTION AS MARKED ON THIS PLAN.
 2. ROUGH GRADE THE DRIVEWAY ENTRANCE AND INSTALL CONSTRUCTION ENTRANCE AS SHOWN. MUD AND DEBRIS SHALL BE WASHED FROM ALL CONSTRUCTION VEHICLES AND EQUIPMENT BEFORE LEAVING SITE.
 3. INSTALL EROSION AND SEDIMENTATION CONTROLS AS SHOWN ON THE GRADING PLAN.
 4. ONCE THE CONTROLS ARE IN PLACE, CLEAR AND GRADE THE REMAINDER OF THE SITE PER THE GRADING PLAN.
 5. TEMPORARY SEEDING AND MULCHING ARE TO BE APPLIED TO DISTURBED AREAS AFTER INITIAL CLEARING DISTURBANCE. TEMPORARY COVER BY SEEDING AND/OR MULCHING SHOULD BE PROVIDED ON AREAS WHICH WILL BE EXPOSED FOR A PERIOD GREATER THAN 14 DAYS BEFORE PERMANENT STABILIZATION CAN BE ACHIEVED.
 6. ALL FILLS ARE TO BE LEFT WITH A LIP AND SILT FENCE AT THE TOE OF THE SLOPE AT THE END OF EACH DAY. SOIL THAT IS TO BE STOCKPILED ON-SITE IS TO BE SEEDDED AND MULCHED WITH TEMPORARY VEGETATION AND THE PERIMETER SURROUNDED WITH A SILT FENCE IMMEDIATELY AFTER GRADING.
 7. AFTER CONSTRUCTION OPERATIONS HAVE ENDED AND ALL DISTURBED AREAS HAVE BEEN STABILIZED, MECHANICAL SEDIMENT CONTROLS SHALL BE REMOVED AND THE GROUND PERMANENTLY STABILIZED WITH VEGETATION UPON THE APPROVAL OF THE FAIRFAX COUNTY INSPECTOR.
- MAINTENANCE PROGRAM: ALL EROSION AND SEDIMENT CONTROLS SHALL BE MONITORED DAILY BY THE SITE SUPERINTENDENT. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL. THE DEVELOPER GRANTS THE RIGHT OF ENTRY ONTO THIS PROPERTY TO THE DESIGNATED COUNTY PERSONNEL FOR THE PURPOSE OF INSPECTING AND MONITORING FOR COMPLIANCE WITH THE CODE OF VIRGINIA EROSION AND SEDIMENT CONTROL LAW (TITLE 10, CHAPTER 5, ARTICLE 4). ANY DAMAGED CONTROL MEASURE IS TO BE REPAIRED BY THE CLOSE OF THE DAY. NO CONTROL MEASURE IS TO BE REMOVED OR ALTERED UNLESS APPROVED BY THE SITE INSPECTOR. ALL SEDIMENT TRAPPING DEVICES SHALL BE CLEANED OUT AT 50% TRAP CAPACITY AND THE SEDIMENT SHALL BE DISPOSED OF BY SPREADING ON THE SITE OR HAULING AWAY IF NOT SUITABLE FOR FILL. THIS ALSO COMPLIES WITH CHAPTER 104 OF THE COUNTY CODE. (SECTION 11 OF PFM)

CONSTRUCTION LIMITS & TREE LINES

LIMITS OF CONSTRUCTION & GRADING
(IN OPEN OR PAVED AREAS W/LITTLE OR NO VEGETATION)

LIMITS OF CONSTRUCTION,
GRADING & CLEARING
(IN AREAS WHERE EXISTING
TREES ARE TO BE REMOVED)

EXISTING TREE LINE

EROSION SEDIMENTATION CONTROLS

- (SF) SILT FENCE: SPEC 3.05
- (SSF) C-BAY WAIVER REQUIRES SUPER SILT FENCE PFM PLATE #11-11
- (CE) CONSTRUCTION ENTRANCE: SPEC 3.02 75' (OR MAXIMUM LENGTH POSSIBLE) CONSTR. ENTRANCE USE 6" DEPTH SURGE STONE, OR SUBSTITUTE TYPICAL DRIVEWAY SUBBASE STONE WITH FILTER FABRIC UNDERLINER PER CHAPTER 104-1-8, H8
- (TP) TREE PROTECTION: SPEC 3.36 (40" ORANGE PLASTIC FENCE)

NOTES:

1. TAX MAP NO.: 2-2-(12)-26
2. ZONE: R-E
3. OWNER: THOMAS C. SCHULER, TR. DEED BOOK 11466 PAGE 1150
4. PROPERTY ADDRESS: 227 DONMORE DRIVE GREAT FALLS, VA. 22066
5. NO TITLE REPORT FURNISHED.
6. BOUNDARY AND TOPOGRAPHY BY OTHERS.
7. LOT SERVED BY PRIVATE WATER AND PRIVATE SEWER.

MINIMUM SETBACK REQUIREMENTS PER ZONE:

FRONT: 50 FEET
SIDE: 20 FEET
REAR: 25 FEET

F.E.M.A. / F.I.R.M. FLOOD DATA:

COMMUNITY NO.: 515525
H & I PANEL NO.: 0050 D
FLOOD ZONE: X
EFFECTIVE: 3-05-1990

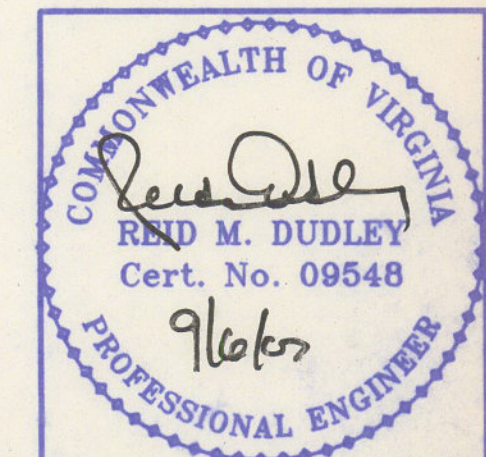
FAIRFAX COUNTY HEALTH DEPARTMENT
DIVISION OF ENVIRONMENTAL HEALTH

Approval of plot plan only. This is not a permit to install a water supply or a sewage disposal system. All existing or proposed underground utility lines and easements must be located a minimum of 10 feet from all subsurface disposal systems. No subsurface disposal systems may be in an underground utility easement. All water service lines must be located a minimum of 10 feet from all subsurface disposal systems.

10-3-02 J.C. P...
Date Health Official

WETLANDS CERTIFICATION

I HEREBY CERTIFY THAT ALL WETLANDS PERMITS REQUIRED BY LAW WILL BE OBTAINED PRIOR TO COMMENCING ANY LAND DISTURBING ACTIVITIES.
Signature: [Signature]
OWNER / DEVELOPER: [Signature]
TITLE: President



SCALE: 1" = 40'
DATE: 10-03-2001
BY: SKF/RMD
REVISIONS:
10-16-01: ADD POOL, PATIO, CABANA, STEPS & RET. WALL
8-27-02: RE GRADING & CLEARING LIMITS, LOC. OF SEPTIC TANK & PUMP, REMOVE ENTRY, RAHN CT.

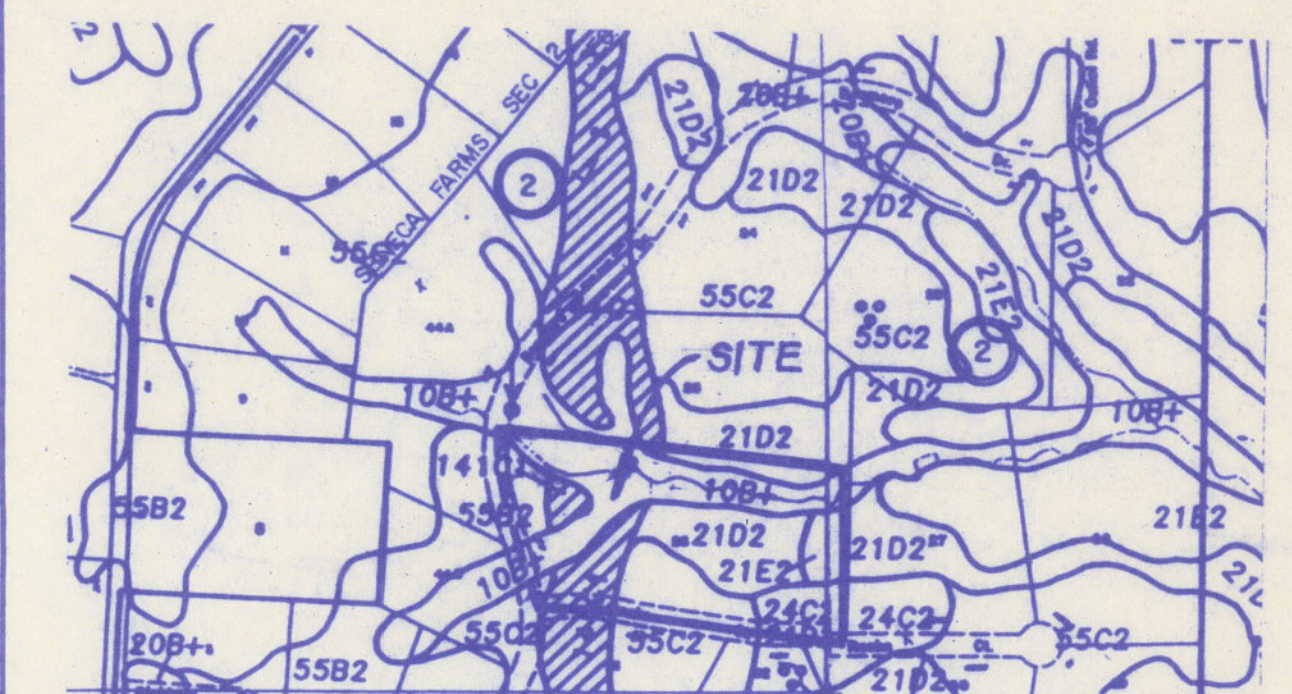
GRADING PLAN
LOT 26 - SECTION 3
SENECA FARMS
DRANESVILLE DISTRICT FAIRFAX COUNTY, VIRGINIA
RUNYON, DUDLEY, ASSOCIATES, INC.
ENGINEERING - SURVEYING - PLANNING
10650 MAIN STREET - SUITE H301
FAIRFAX, VA 22030 - PH: (703) 591-4606 FX: 591-3982
SHEET 1 OF 2
F-1927 GP

HEALTH DEPARTMENT COPY

CONTRACTORS SHALL NOTIFY OPERATORS WHO MAINTAIN UNDERGROUND UTILITY LINES IN THE AREA OF PROPOSED EXCAVATION OR BLASTING AT LEAST TWO WORKING DAYS, BUT NOT MORE THAN TEN WORKING DAYS PRIOR TO COMMENCING WORK, AND FOR ANY DAMAGES WHICH OCCUR BY HIS FAILURE TO LOCATE OR PRESERVE THE UNDERGROUND UTILITIES. IF, DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHOULD ENCOUNTER UTILITIES OTHER THAN IN THOSE LOCATIONS SHOWN ON THE PLANS, HE SHALL IMMEDIATELY NOTIFY THE ENGINEER, AND TAKE NECESSARY AND PROPER STEPS TO PROTECT THE FACILITY, AND ASSURE THE CONTINUANCE OF SERVICE.

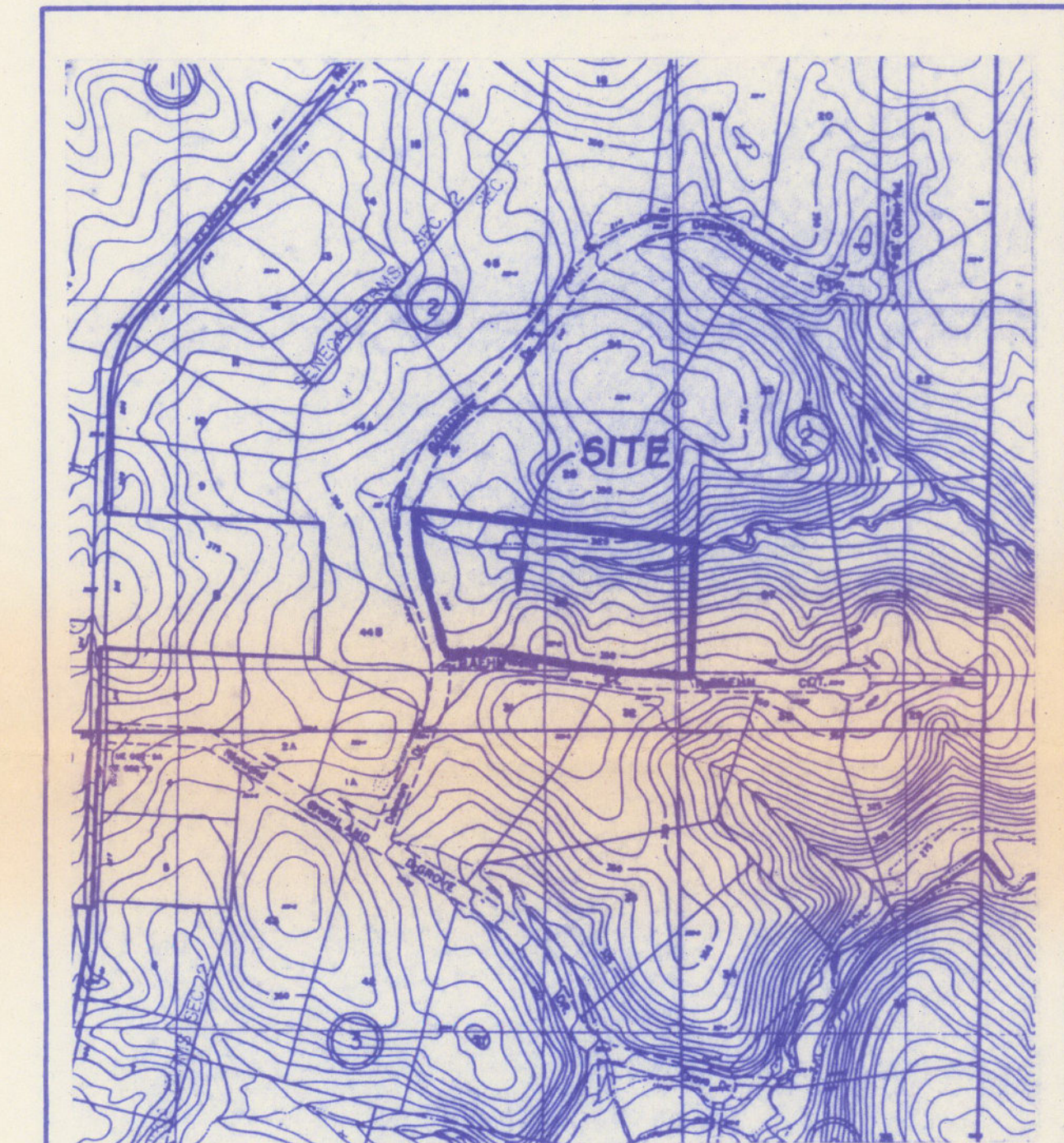
* CONTACT "MISS UTILITY" AT: 1-800-257-7777 *

THE EXISTING UNDERGROUND UTILITIES SHOWN HEREON ARE BASED UPON AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES BEFORE COMMENCING WORK, AND FOR ANY DAMAGES WHICH OCCUR BY HIS FAILURE TO LOCATE OR PRESERVE THE UNDERGROUND UTILITIES. IF, DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHOULD ENCOUNTER UTILITIES OTHER THAN IN THOSE LOCATIONS SHOWN ON THE PLANS, HE SHALL IMMEDIATELY NOTIFY THE ENGINEER, AND TAKE NECESSARY AND PROPER STEPS TO PROTECT THE FACILITY, AND ASSURE THE CONTINUANCE OF SERVICE.



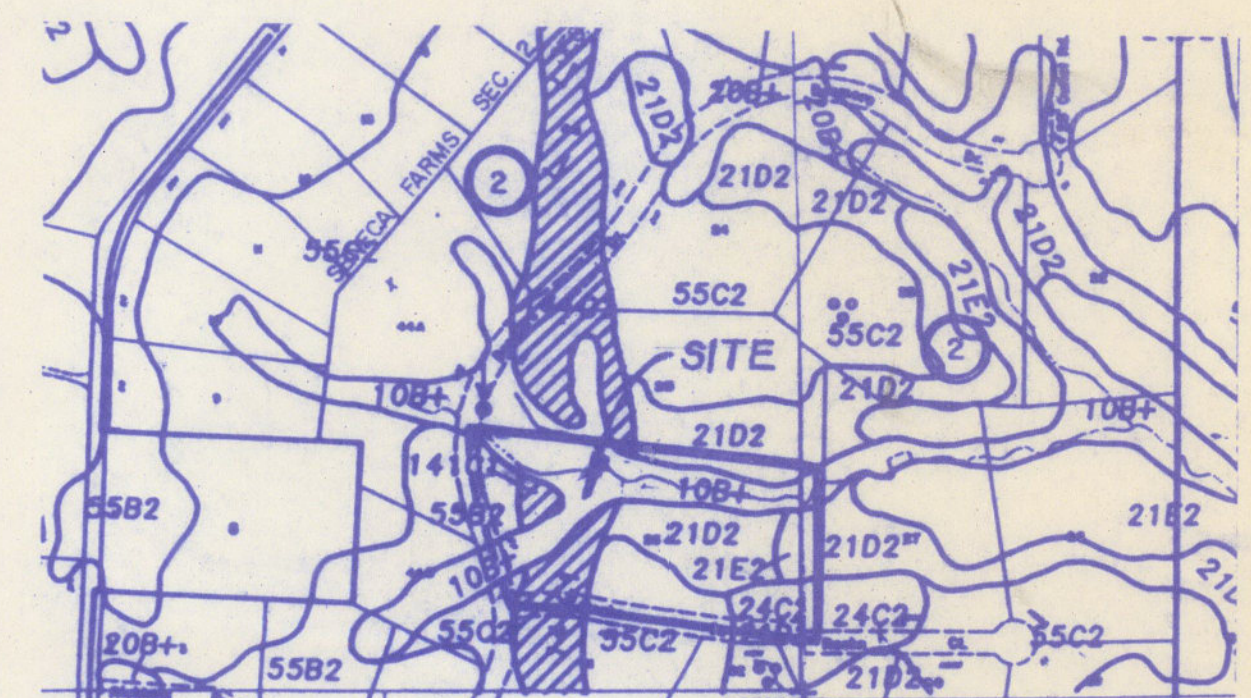
SOILS DATA						
SOILS ID NO.	SERIES NAME	FOUNDATION	SUBSURFACE DRAINAGE	SLOPE STABILITY	ERODIBILITY	GEOTECHNICAL REPORT REQUIRED
19B+	GLENVILLE	FAIR	MARGINAL	GOOD	MODERATE	B (NO)
21D2/E2	MANOR	GOOD	GOOD	GOOD	SEVERE	C (NO)
24C2	ELIOAK	GOOD	GOOD	GOOD	SEVERE	C (NO)
55B2/C2	GLENELG	GOOD	GOOD	GOOD	SEVERE	C (NO)
141C1	ROCKY LAND (ORANGE)	MARGINAL	MARGINAL	GOOD	SLIGHT	A (YES)

SOIL TYPES BY LOT NUMBER			
LOT #	SOIL(S) NO(S)	SOIL SERIES NAME(S)	PROBLEM CLASS
26	10, 21, 24,	GLENVILLE, MANOR, ELIOAK,	B, C, C, C, A
	55, 141	GLENELG, ROCKY LAND (ORANGE)	



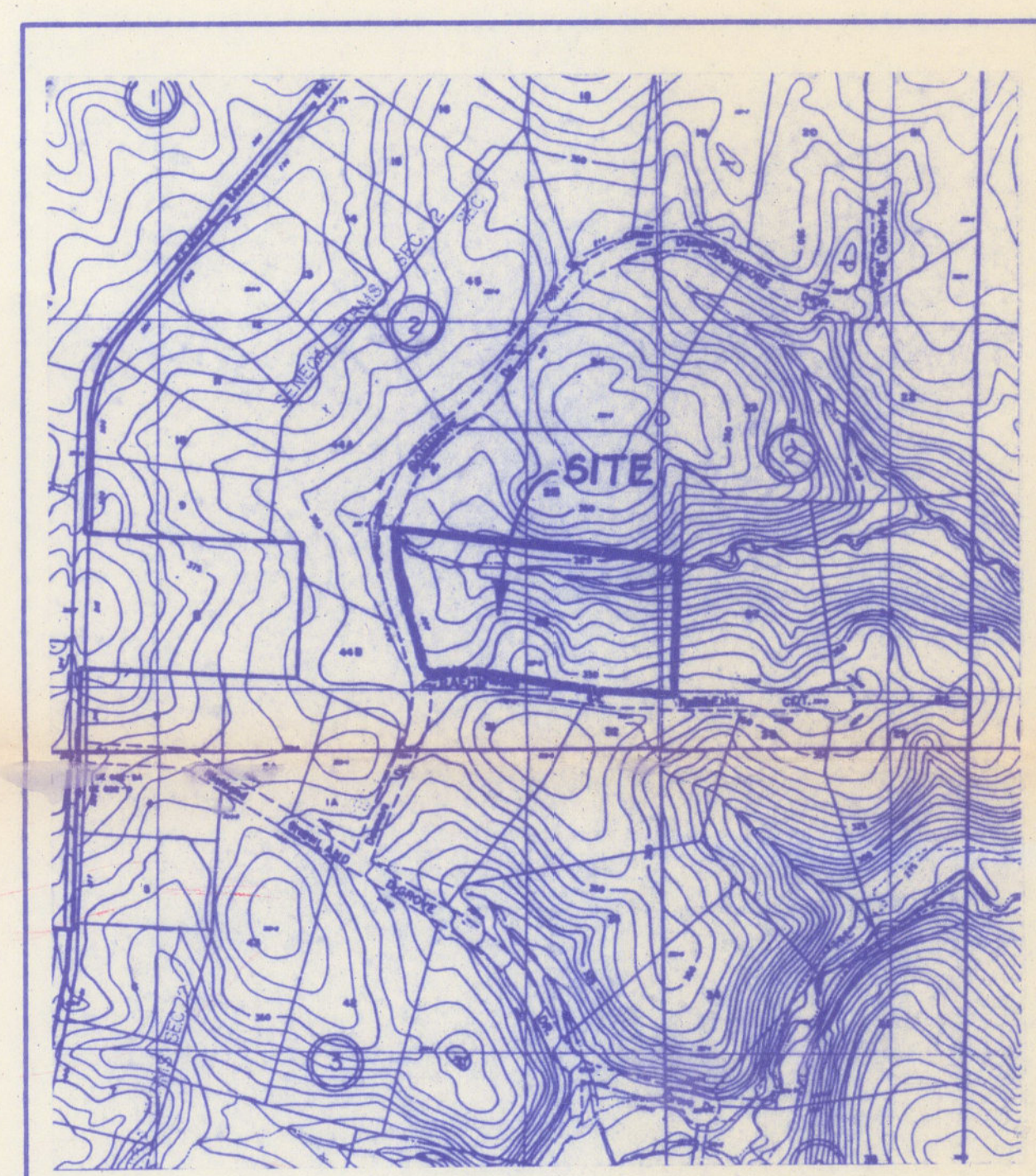
AREA TOPOGRAPHIC MAP
(SCALE: 1" = 500')

EHS NOTES:
REFERENCE NOTES IN RED *
BEFORE DRAFTING PERMIT TO
REPLACE SEPTIC TANK & PUMP
STATION.



SOILS DATA						
SOILS ID NO.	SERIES NAME	FOUNDATION SUPPORT	SUBSURFACE DRAINAGE	SLOPE STABILITY	ERODIBILITY	GEOTECHNICAL REPORT REQUIRED
10B+	GLENVILLE	FAIR	MARGINAL	GOOD	MODERATE	B (NO)
21D2/E2	MANOR	GOOD	GOOD	GOOD	SEVERE	C (NO)
24C2	ELIOAK	GOOD	GOOD	GOOD	SEVERE	C (NO)
55B2/C2	GLENELG	GOOD	GOOD	GOOD	SEVERE	C (NO)
141C1	ROCKY LAND (ORANGE)	MARGINAL	MARGINAL	GOOD	SLIGHT	A (YES)

SOIL TYPES BY LOT NUMBER			
LOT #	SOIL(S) NO(S)	SOIL SERIES NAME(S)	PROBLEM CLASS
26	10, 21, 24,	GLENVILLE, MANOR, ELIOAK,	B, C, C, C, A
	55, 141	GLENELG, ROCKY LAND (ORANGE)	



AREA TOPOGRAPHIC MAP
(SCALE: 1" = 500')

CONTRACTORS SHALL NOTIFY OPERATORS WHO MAINTAIN UNDERGROUND UTILITY LINES IN THE AREA OF PROPOSED EXCAVATION OR BLASTING AT LEAST TWO WORKING DAYS, BUT NOT MORE THAN TEN WORKING DAYS PRIOR TO COMMENCEMENT OF EXCAVATION OR DEMOLITION IN ACCORDANCE WITH SECTION 63-2-2 OF THE FAIRFAX COUNTY CODE. NAMES AND TELEPHONE NUMBERS SHALL ALSO BE USED TO SERVE IN AN EMERGENCY CONDITION AS REQUIRED BY SECTION 63-2-2 OF THE CODE.

* CONTACT "MISS UTILITY" AT: 1-800-257-7777 *

THE EXISTING UNDERGROUND UTILITIES SHOWN HEREON ARE BASED UPON AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES BEFORE COMMENCING WORK, AND FOR ANY DAMAGES WHICH OCCUR BY HIS FAILURE TO LOCATE OR PRESERVE THE UNDERGROUND UTILITIES. IF, DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHOULD ENCOUNTER UTILITIES OTHER THAN IN THOSE LOCATIONS SHOWN ON THE PLANS, HE SHALL IMMEDIATELY NOTIFY THE ENGINEER, AND TAKE NECESSARY AND PROPER STEPS TO PROTECT THE FACILITY, AND ASSURE THE CONTINUANCE OF SERVICE.

HEALTH DEPARTMENT COPY

EROSION AND SEDIMENTATION CONTROL NOTES:

1. NO DISTURBED AREA WILL BE DENuded FOR MORE THAN 14 CALENDAR DAYS UNLESS OTHERWISE AUTHORIZED BY THE DIRECTOR OR HIS AGENT.
2. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED PRIOR TO OR AS THE FIRST STEP IN GRADING.
3. EROSION AND SEDIMENT CONTROLS SHALL CONFORM TO THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AS APPROPRIATE AND THE FAIRFAX COUNTY CHECKLIST FOR EROSION & SEDIMENT CONTROL.

EROSION AND SEDIMENTATION CONTROL SEQUENCE:

1. PRIOR TO CONSTRUCTION, A MEETING WITH THE SITE INSPECTOR WILL ESTABLISH THE LIMITS OF CLEARING AND CONSTRUCTION AS MARKED ON THIS PLAN.
2. ROUGH GRADE THE DRIVEWAY ENTRANCE AND INSTALL CONSTRUCTION ENTRANCE AS SHOWN. MUD AND DEBRIS SHALL BE WASHED FROM ALL CONSTRUCTION VEHICLES AND EQUIPMENT BEFORE LEAVING SITE.
3. INSTALL EROSION AND SEDIMENTATION CONTROLS AS SHOWN ON THE GRADING PLAN.
4. ONCE THE CONTROLS ARE IN PLACE, CLEAR AND GRADE THE REMAINDER OF THE SITE PER THE GRADING PLAN.
5. TEMPORARY SEEDING AND MULCHING ARE TO BE APPLIED TO DISTURBED AREAS AFTER INITIAL CLEARING DISTURBANCE. TEMPORARY COVER BY SEEDING AND/OR MULCHING SHOULD BE PROVIDED ON AREAS WHICH WILL BE EXPOSED FOR A PERIOD GREATER THAN 14 DAYS BEFORE PERMANENT STABILIZATION CAN BE ACHIEVED.
6. ALL FILLS ARE TO BE LEFT WITH A LIP AND SILT FENCE AT THE TOE OF THE SLOPE AT THE END OF EACH DAY. SOIL THAT IS TO BE STOCKPILED ON-SITE IS TO BE SEED AND MULCHED WITH TEMPORARY VEGETATION AND THE PERIMETER SURROUNDED WITH A SILT FENCE IMMEDIATELY AFTER GRADING.
7. AFTER CONSTRUCTION OPERATIONS HAVE ENDED AND ALL DISTURBED AREAS HAVE BEEN STABILIZED, MECHANICAL SEDIMENT CONTROLS SHALL BE REMOVED AND THE GROUND PERMANENTLY STABILIZED WITH VEGETATION UPON THE APPROVAL OF THE FAIRFAX COUNTY INSPECTOR.

MAINTENANCE PROGRAM: ALL EROSION AND SEDIMENT CONTROLS SHALL BE MONITORED DAILY BY THE SITE SUPERINTENDENT. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL. THE DEVELOPER GRANTS THE RIGHT OF ENTRY ONTO THIS PROPERTY TO THE DESIGNATED COUNTY PERSONNEL FOR THE PURPOSE OF INSPECTING AND MONITORING FOR COMPLIANCE WITH THE CODE OF VIRGINIA EROSION AND SEDIMENT CONTROL LAW (TITLE 10, CHAPTER 5, ARTICLE 4). ANY DAMAGED CONTROL MEASURE IS TO BE REPAIRED BY THE CLOSE OF THE DAY. NO CONTROL MEASURE IS TO BE REMOVED OR ALTERED UNLESS APPROVED BY THE SITE INSPECTOR. ALL SEDIMENT TRAPPING DEVICES SHALL BE CLEANED OUT AT 50% TRAP CAPACITY AND THE SEDIMENT SHALL BE DISPOSED OF BY SPREADING ON THE SITE OR HAULING AWAY IF NOT SUITABLE FOR FILL. THIS ALSO COMPLIES WITH CHAPTER 104 OF THE COUNTY CODE. (SECTION 11 OF PFM)

CONSTRUCTION LIMITS & TREE LINES

LIMITS OF CONSTRUCTION & GRADING
(IN OPEN OR PAVED AREAS W/ LITTLE OR NO VEGETATION)

LIMITS OF CONSTRUCTION, GRADING & CLEARING
(IN AREAS WHERE EXISTING TREES ARE TO BE REMOVED)

EXISTING TREE LINE

EROSION SEDIMENTATION CONTROLS

- SF SILT FENCE: SPEC 3.05
- SSF C-BAY WAIVER REQUIRES SUPER SILT FENCE PFM PLATE H11-11
- CE CONSTRUCTION ENTRANCE: SPEC 3.02 75' (OR MAXIMUM LENGTH POSSIBLE) CONSTR. ENTRANCE USE 6" DEPTH SURGE STONE, OR SUBSTITUTE TYPICAL DRIVEWAY SUBBASE STONE WITH FILTER FABRIC UNDERLINER PER CHAPTER 104-1-B, H8
- TP TREE PROTECTION: SPEC 3.36 (40" ORANGE PLASTIC FENCE)

NOTES:

1. TAX MAP NO.: 2-2-(12)-26
2. ZONE: R-E
3. OWNER: THOMAS C. SCHULER, TR. DEED BOOK 11466 PAGE 1150
4. PROPERTY ADDRESS: 227 DONMORE DRIVE GREAT FALLS, VA. 22066
5. NO TITLE REPORT FURNISHED.
6. BOUNDARY AND TOPOGRAPHY BY OTHERS.
7. LOT SERVED BY PRIVATE WATER AND PRIVATE SEWER.

MINIMUM SETBACK REQUIREMENTS PER ZONE:

- FRONT: 50 FEET
- SIDE: 20 FEET
- REAR: 25 FEET

F.E.M.A. / F.I.R.M. FLOOD DATA:

COMMUNITY NO.: 515525
H & I PANEL NO.: 0050 D
FLOOD ZONE: X
EFFECTIVE: 3-05-1990

WETLANDS CERTIFICATION

I HEREBY CERTIFY THAT ALL WETLANDS PERMITS REQUIRED BY LAW WILL BE OBTAINED PRIOR TO COMMENCING ANY LAND DISTURBING ACTIVITIES.

Thomas C. Schuler, Jr.
OWNER / DEVELOPER
President

TITLE:

COMMONWEALTH OF VIRGINIA
REID M. DUDLEY
Cert. No. 09548
9/6/02
PROFESSIONAL ENGINEER

SCALE: 1" = 40'
DATE: 10-03-2001
BY: SKF/RMD
REVISIONS:
10-16-01: SEPTIC FIELD
8-27-02: ADD POOL, PATIO, CABANA, STEPS & RET. WALL
9-03-02: REV. GRADING & CLEARING LIMITS, LOC. OF SEPTIC TANK & PUMP, REMOVE ENTR. RAEHN CT.

GRADING PLAN
LOT 26 - SECTION 3
SENECA FARMS
DRANESVILLE DISTRICT FAIRFAX COUNTY, VIRGINIA
RUNYON, DUDLEY, ASSOCIATES, INC.
ENGINEERING - SURVEYING - PLANNING
10650 MAIN STREET - SUITE H301
FAIRFAX, VA 22030 - PH: (703) 591-4606 FX: 591-3982
SHEET 1 OF 2
F-1927 GP

FAIRFAX COUNTY HEALTH DEPARTMENT
DIVISION OF ENVIRONMENTAL HEALTH
Emergency emptying of a pool to be discharged to natural drainage or storm sewer. Filter backwash to be disposed of so that drainage does not (1) enter onto adjacent properties, (2) enter onto existing or proposed septic system areas, (3) enter into a sewer line connected to an on-site sewer disposal system, and (4) flow directly towards a well.

John A. Jones
Date/Day Approved Health Official

Pool & pool deck only

NOTE: SEPARATE PERMIT REQUIRED FOR RETAINING WALLS OVER 2 FEET IN HEIGHT.

PERC DATA:

- 0 RATE: 10R @ 48"
- 0 5 BEDROOMS: 450 L.F. REQ'D
- 0 USE 8 LINES AT 56.3' EACH

SEWER INVERTS:

- 0 HOUSE: 337.50
 - 0 TANK (IN): 335.40
 - 0 TANK (OUT): 335.30
 - 0 PUMP (IN): 335.10
 - 0 PUMP (OUT): 335.00
 - 0 DV: 351.20
 - 0 DB-1: 351.10
 - 0 DB-2: 346.70
- CABANA: 341.50
INV. INTO: 339.65
EX. SEWER LINE

- DENOTES PERC. HOLE LOCATION
- DENOTES PROFILE HOLE LOCATION

IMPERVIOUS CALCULATIONS:

EXISTING IMPERVIOUS AREA: 12,750 S.F.
TOTAL LOT SIZE: 298,952 S.F. (6.8630 AC.)
PERCENT (%) IMPERVIOUS COVER: 12,750 / 298,952 = 4.27% < 18%

ADDITIONAL IMPERVIOUS AREA: 20,100 S.F.
TOTAL LOT SIZE: 298,952 S.F. (6.8630 AC.)
PERCENT (%) IMPERVIOUS COVER: 20,100 / 298,952 = 6.72% < 18%

TOTAL IMPERVIOUS AREA: 32,850 S.F.
TOTAL LOT SIZE: 298,952 S.F. (6.8630 AC.)
PERCENT (%) IMPERVIOUS COVER: 32,850 / 298,952 = 10.99% < 18%

(UNDER 6-401.2(a) REQUIREMENT FOR STORM WATER RUNOFF QUALITY CONTROL DOES NOT APPLY. THIS CONFORMS TO C-BAY 118-3-2-F(1).)

TREE COVER CALCULATIONS

GROSS SITE DEDUCTIBLE AREA - SEPTIC FIELD/POOL
SUBTOTAL
PERCENTAGE TREE COVER REQUIRED
10 YEAR COVER REQUIRED

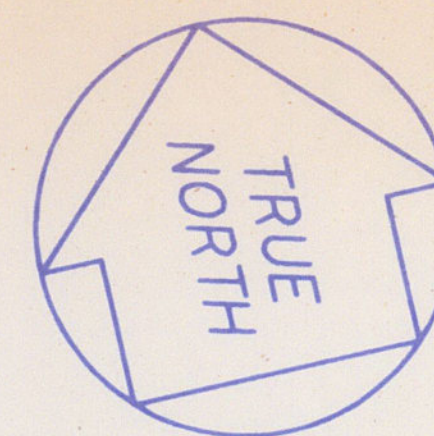
EXISTING TREE COVER
FACTOR
SUBTOTAL
TREE COVER TO BE PROVIDED BY NEW TREES
TOTAL TREE COVER PROVIDED

298,952 SQ.FT.
5,000 SQ.FT.
293,952 SQ.FT.
X 0.20
58,790 SQ.FT.
160,000 SQ.FT.
X 1.25
200,000 SQ.FT.
0
200,000 SQ.FT.

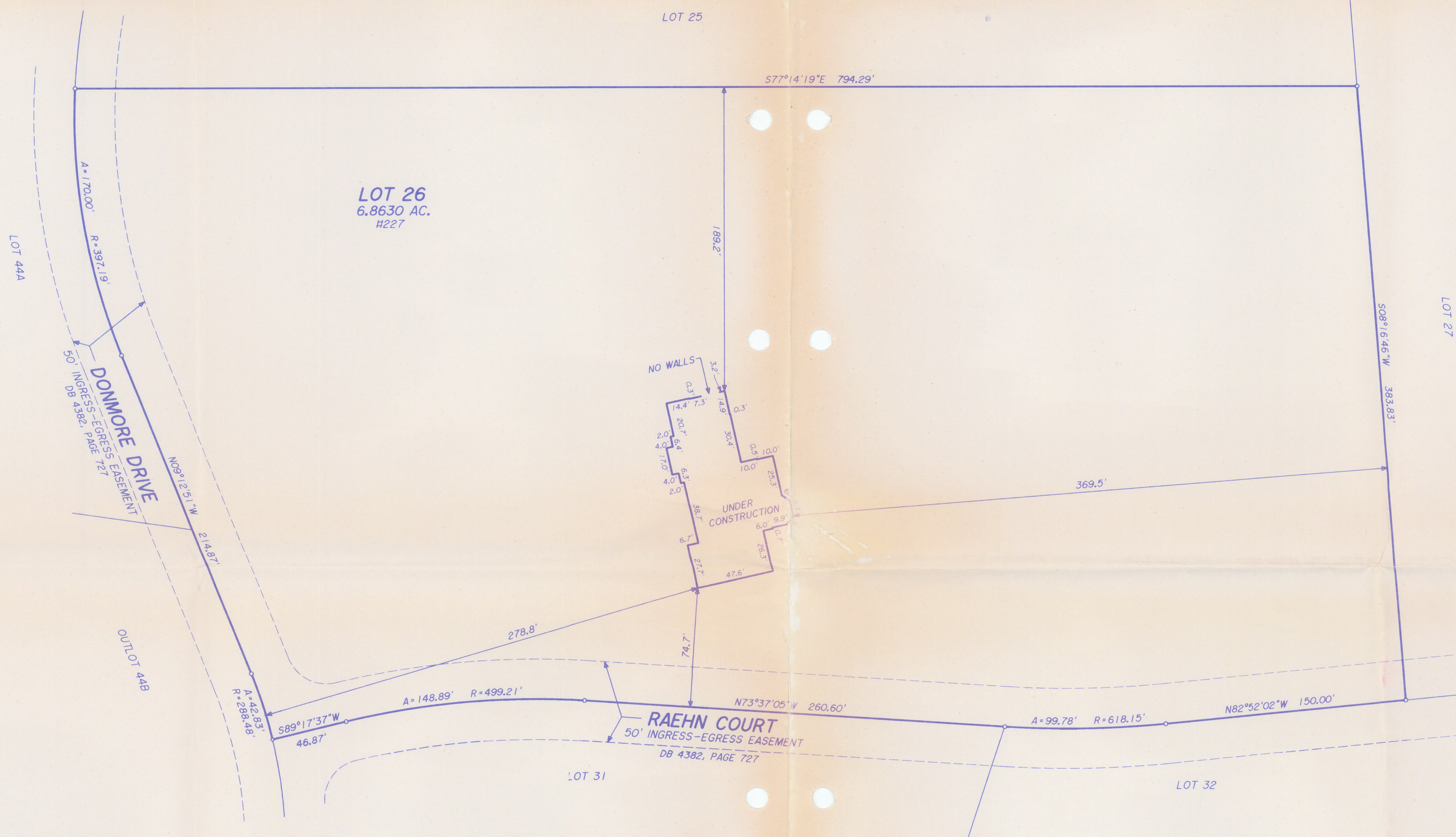
CRITICAL SLOPE NOTE

CRITICAL SLOPE:
AREA SHALL BE STABILIZED WITH ENGLISH IVY, AJUGA, CROWN VETCH, PACHYSANDRA, PERIWINKLE, EUNYMUS OR CREEPING JUNIPER. INTERIM GROUND PROTECTION THAT WILL NOT INHIBIT DEVELOPMENT OF THE GROUND COVER SHALL BE PROVIDED FOR THESE CRITICAL SLOPE AREAS. THIS TEMPORARY COVER SHALL BE PLACED WITHIN 3 DAYS OF COMPLETION.





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LEGEND:
I.P.F. = IRON PIPE FOUND
I.R.F. = IRON ROD FOUND
I.P.S. = IRON PIPE SET
A.C. = AIR CONDITIONER
C.O. = CLEAN OUT
E.M. = ELECTRIC METER
G.M. = GAS METER
W.M. = WATER METER
W.V. = WATER VALVE
F.H. = FIRE HYDRANT
B.W. = BAY WINDOW

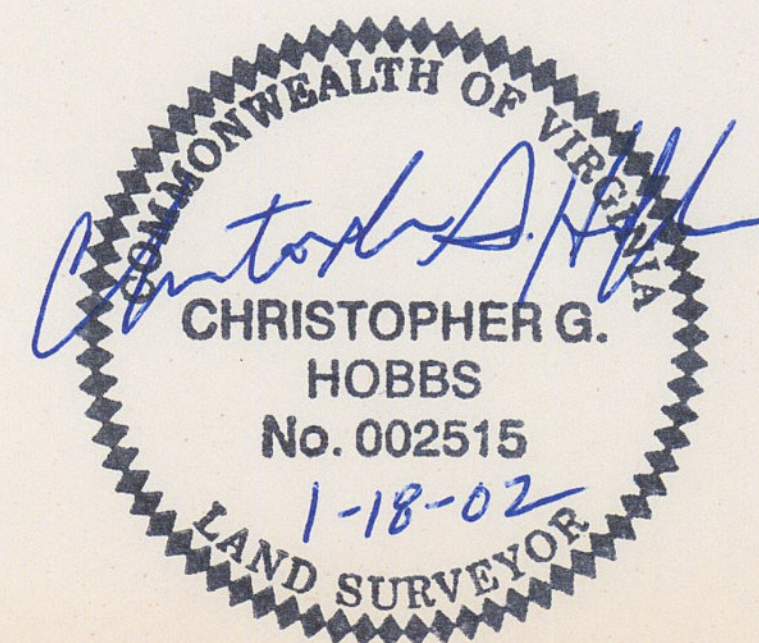
F.E.M.A./F.I.R.M. FLOOD DATA:
COMMUNITY NO.: 515525
PANEL NO.: 0050 D
FLOOD ZONE: X
EFFECTIVE: 3-05-1990

I HEREBY CERTIFY THAT THE LOCATIONS OF THE IMPROVEMENTS, IF ANY, ON THE PROPERTY SHOWN HEREON HAVE BEEN CAREFULLY LOCATED BY A TRANSIT-TAPE SURVEY AND UNLESS SHOWN, THERE ARE NO ENCROACHMENTS.

THIS LOCATION SURVEY HAS BEEN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND DOES NOT THEREFORE NECESSARILY INDICATE ALL ENCUMBRANCES ON THE PROPERTY

THE LOCATION OF FENCES SHOWN HEREON, IF ANY, ARE APPROXIMATE, AND THIS SURVEY DOES NOT CERTIFY TO THE OWNERSHIP THEREOF.

THIS LOCATION SURVEY IS NOT INTENDED TO BE USED AS AN AID FOR THE CONSTRUCTION OF FENCES, OR ANY OTHER IMPROVEMENTS.



WALL CHECK SURVEY
LOT 26, SECTION 3
SENECA FARMS

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DRANESVILLE DISTRICT

FAIRFAX COUNTY, VIRGINIA

DATE: 01-17-2002 SCALE: 1" = 50'

RUNYON, DUDLEY, ASSOCIATES, INC.

ENGINEERING - SURVEYING - PLANNING

10650 MAIN STREET - SUITE #301 FAIRFAX, VA 22030

PHONE: (703) 591-4606 - FAX: (703) 591-3982.

F-1927

CF = F-1927 SF = 1927HL26, LAYER 9