

TO DEPT. OF PUBLIC WORKS ENVIRONMENTAL SERVICES - (DPWES)
RESIDENTIAL INSPECTIONS BRANCH - (OBSC)

FILE UNDER

1958

FROM: HEALTH DEPARTMENT/ENVIRONMENTAL SERVICES SECTION

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

DATE: 7/2/99

OWNER'S NAME: JAN-ERIK BOERS

BUILDING APPLICATION NUMBER: 99158B0240

SUBDIVISION: CASCADE ESTATES SEC: 12A BLOCK: LOT 9

TAX MAP IDENTIFICATION: 2-2-003-9

PROPERTY ADDRESS: 11439 WOOLINGTON RD GREAT FALLS, VA 22066

HEALTH DEPARTMENT PERMIT#: 129-99-0789

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 (OBSC) AND ORIGINAL TO BE ATTACHED WITH PERMIT.

NOTIFICATION OF FINAL APPROVAL

SEWAGE DISPOSAL SYSTEM

APPROVED: 7-17-2000

WATER SUPPLY SYSTEM

APPROVED: PUBLIC

SIGNATURE

John M. Nig...

ENTERED
CRB

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: —

INITIALS: *DN*

**FDV (CHECK ONE) ☒ YES ☐ NO

SPECIAL HANDLING

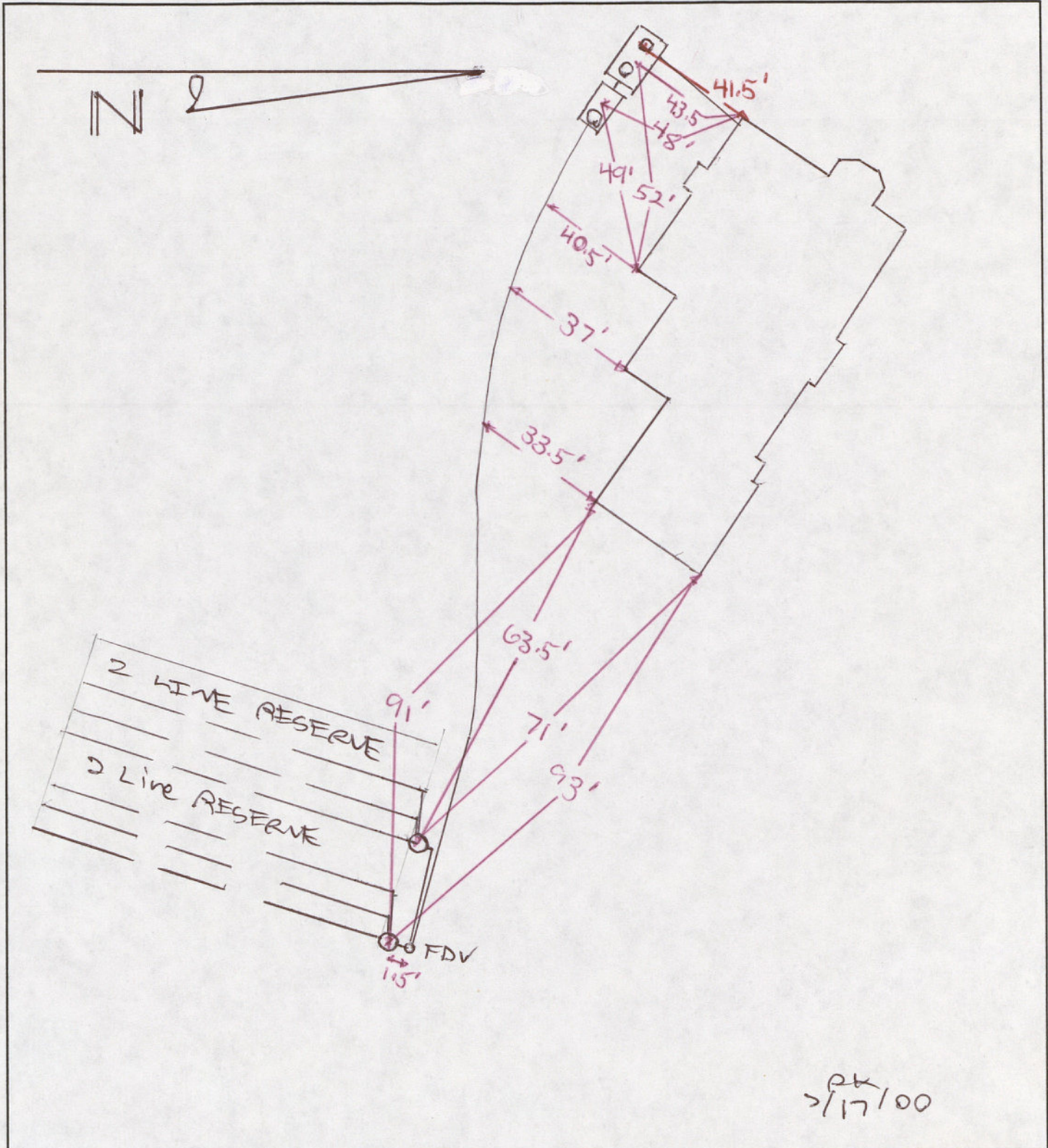
FAIRFAX COUNTY HEALTH DEPARTMENT
SEWAGE DISPOSAL SYSTEM/WELL WATER SUPPLY AS-BUILT

Tax Map ID: 2-2-003-9

Street Address: 11439 Woolington Rd.

Subdivision: Cascade Estates

City, State, Zip: Correat Falls, VA
22060



CANTERWOOD SECTION 2

LOT 8
HEALTH DEPARTMENT COPY

SLOPE CONSTRUCTION
& MAINTENANCE ESM'T.
(RGD DB-9069 PG-0227)

LOT 9
80,889 SQ. FT.

LOT 10
NOT EXCEED 2500 SQ. FT. Earth
disturbance in excess of 2500 shall
constitute a violation and require the
submission of a grading plan.

NOTE:
No construction
shall encroach into
County Easements
(Ground or Air Rights)

DPV'S
LAND DEVELOPMENT SERVICES
SITE PERMITS & INSURING CENTERS
APPROVED FOR

SEE DETAIL

FOOTINGS AND PIERS MUST BE
PLACED ON COMPETENT MATERIAL

FOOTINGS AND PIERS MUST BE
PLACED ON COMPETENT MATERIAL

FINAL APPROVAL

11439

SEP -6 2000

ZONING ADMINISTRATION DIVISION
DEPARTMENT OF PLANNING AND ZONING

DETAIL
APPROVED
FAIRFAX COUNTY HEALTH DEPARTMENT
SCALE: 1" = 30'

ASPHALT
D/W

3 STORY
BRICK

PORCH

Office of Building
Code Services

Approved for

By
Date

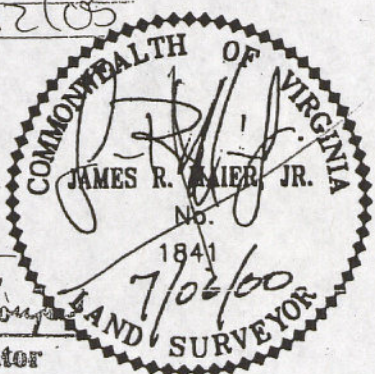
FINAL HOUSE LOCATION SURVEY
CASCADES ESTATE LOTS
SECTION 12A
LOT 9

DRANESVILLE ELECTION DISTRICT
FAIRFAX COUNTY, VIRGINIA

APPROVED

9/12/05

William E. Shoup
Zoning Administrator



FAIRFAX COUNTY HEALTH DEPARTMENT
DIVISION OF ENVIRONMENTAL HEALTH

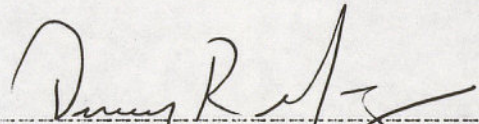
HD Number:
129-99-0789

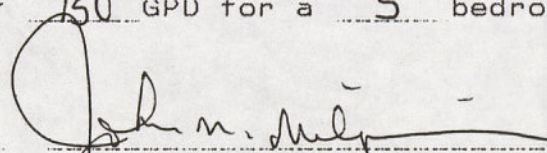
Sewage Disposal System Operation Permit

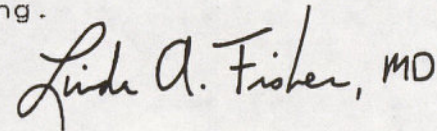
Date of Issue:
07/17/00

TO: JAN-ERIK BOERS
11439 WOOLINGTON RD
GREAT FALLS, VA
22066-

The above operator has made 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


Linda A. Fisher, MD, MPH
Director of Health

Completion Statement

Commonwealth of Virginia
State Department of Health

Health Department
Identification Number

129-99-0789

FX County

Health Department

Name of Company/Corporation/Individual:

Stan Young Coast

Address:

1022 Gt. Falls St. N. Pk.

Telephone:

430-4045

Owner's Name

Erik Beers

Owner's Address

11439 Woolington Rd. Great Falls, Va. 22066

Location of Installation: Lot

9

Block

-

Section:

12A

Subdivision:

Cascade Estates

Other:

TM: 2-2-003-9

I hereby certify that the onsite sewage disposal system has been installed and completed in accordance with the construction permit issued (date) 12/2/99 and is in compliance with Part D of the Sewage Handling and Disposal Regulations and when appropriate the plans and specifications for the project.

7/10/00

Date

Signature and Title

FDC-514

Water Supply and/or Sewage Disposal System Construction Permit

Commonwealth of Virginia

Department of Health

FAIRFAX CO.

Health Department

Health Department

Identification Number

129-99-0789

Map Reference

2-2-003-9

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 JAN-ERIK BOERS Telephone 631-7931

Address 14552 SMITHWOOD DR., CENTREVILLE, VA For a Type II Sewage Disposal System or Well to be constructed on/at 11439 WOOLINGTON ROAD, GREAT FALLS, VA 22066

Subdivision CASCADES ESTATES Section/Block 12A Lot 9 Actual or estimated water use 750 GPD (FIVE BDRMS)

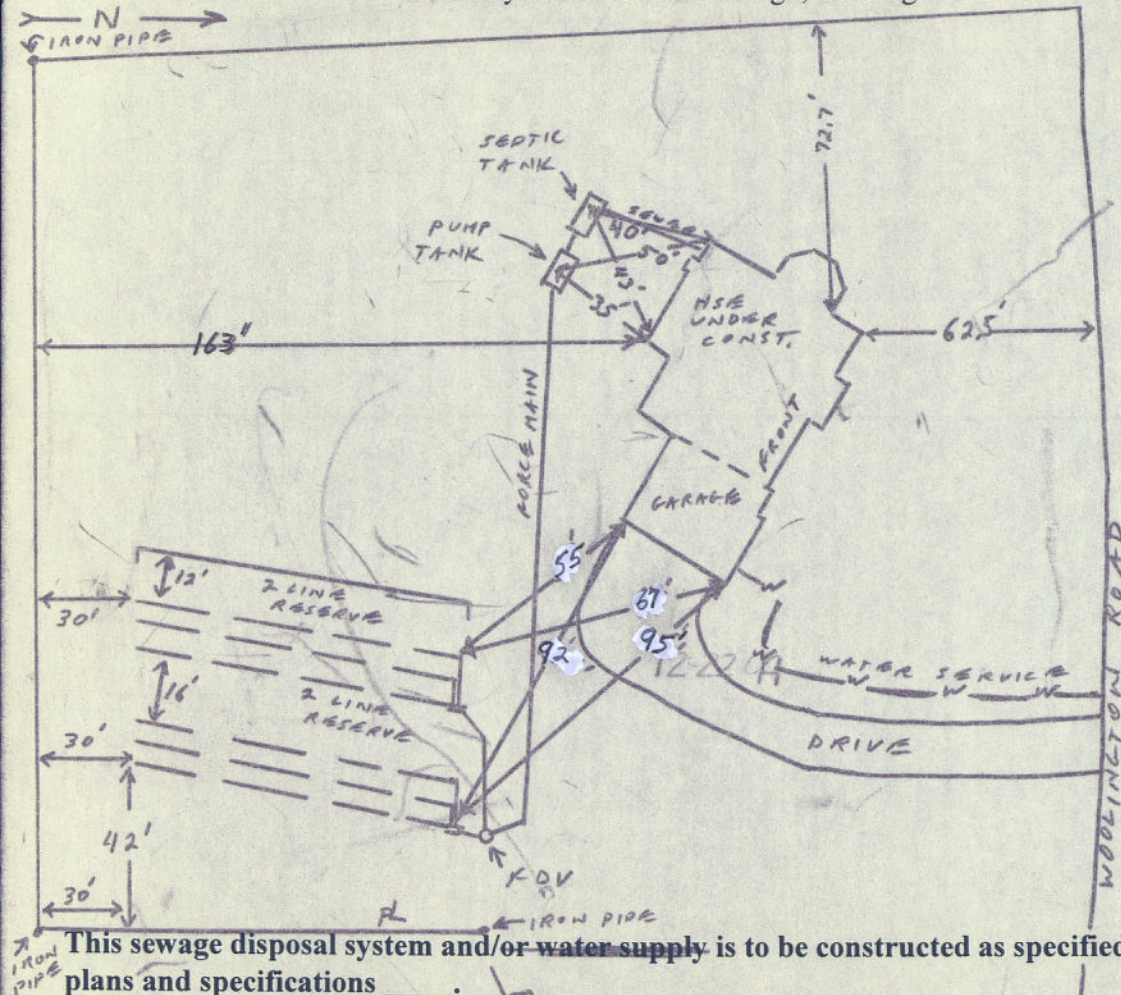
DESIGN	NOTE: SEWAGE DISPOSAL SYSTEM INSPECTION RESULTS
Water supply, existing: (describe) <u>PUBLIC SUPPLY</u> To be installed: class <u> </u> cased ☐ grouted ☒	Water supply location: Satisfactory yes ☐ no ☐ comments Completion Report G. W. 2 Received: yes ☐ no ☐ not applicable ☒
Building sewer: <u>4"</u> I.D. PVC Schedule 40, or equivalent. Slope <u>1.25" per 10'</u> (minimum): ☐ Other <u>1/4" FALL PER FOOT, MINIMUM</u>	Building sewer: yes ☒ no ☐ comments Satisfactory
Septic tank: Capacity <u>1500</u> gals. (minimum). ☐ Other <u> </u>	Pretreatment unit: yes ☐ no ☐ comments Satisfactory <u>MFR: TAPP</u> <u>SIZE: 1500 FX</u>
Inlet-outlet structure: PVC Schedule 40, 4" tees or equivalent. ☐ Other <u> </u>	Inlet-outlet structure: yes ☒ no ☐ comments Satisfactory
Pump and pump station: No ☐ Yes ☒ describe and show design. if yes: <u>SEE APPROVED PUMP PLANS 12-22-00</u>	Pump & pump station: yes ☒ no ☐ comments Satisfactory <u>TAPP</u> <u>1125 FX</u>
Gravity mains: 3" or larger I.D., minimum 6" fall per 100', 1500 lb. crush strength or equivalent. ☐ Other <u>INSTALL FLOW DIVERSION VALVE (FOR)</u>	Conveyance method: yes ☒ no ☐ comments Satisfactory <u>VALVE MFR: BULL RUN SETTING: #2</u>
Distribution box: Precast concrete with <u>6</u> ports. ☐ Other <u>TWO BOXES NEAR</u>	Distribution box: yes ☒ no ☐ comments Satisfactory <u>BOX MFR: CIRCULAR DAMS: PLASTIC</u>
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 <u> </u>	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 <u> </u>	Percolation lines: yes ☒ no ☐ comments Satisfactory <u>18 MIN/IN. @ 70"</u>
Absorption trenches: Square ft. required <u>1056</u> ; depth from ground surface to bottom of trench <u>70"</u> ; aggregate size <u>1/2"-1 1/2"</u> ; Trench bottom slope <u>2"-4" / 100 FT.</u> ; center to center spacing <u>6'</u> ; trench width <u>2'</u> ; Depth of aggregate <u>50"</u> ; <u>42" UNDER PIPE</u> ; Trench length <u>88'</u> ; Number of trenches <u>6</u>	Absorption trenches: yes ☒ no ☐ comments Satisfactory
Date <u>7/17/00</u> Inspected and approved by: <u>Sanitarian</u> <u>7/17/2000</u>	

CONTRACTOR: STAN YOUNG CONSTRUCTION

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. 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: 12/1/99Issued by: Donna C. Miller
Environmental Health SpecialistDate: 12-2-1999Reviewed by: John N. Miller
Environmental Health Supervisor

This Construction
Permit Valid until
MAY 2001

File _____

Subdivision Cooper Estates

DATE _____

RESCH
DATE

INITIALS

7/17/00

FG is satisfactory. 4 BR's verified. Approve SDS

File-6

PART I WATER SUPPLY INSPECTION REPORT (To Supplement LHS-143)

Well Installed By _____ Pump Installed By _____

I. GROUT INSPECTED..... Date _____ Sanitarian _____

II. PIPE & ELECTRIC WIRE FROM WELL TO STORAGE TANK APPROVED Date _____ Sanitarian _____

 III. TYPE OF INSTALLATION: ☒ PITLESS ADAPTOR ☐ PIT ☐ SURFACE
 (4" Drain)(Drain) Date _____ Sanitarian _____

IV. STORAGE TANK..... Date _____ Sanitarian _____

 Gate Valve _____ Sample Tap and Elec. Dis. Switch
 Check Valve _____ Backflow Preventer _____ Press. Relief Valve _____

V. INITIAL WATER SAMPLE COLLECTED..... Date _____ Sanitarian _____

DATE	RECORD OF ADDITIONAL REMARKS OR VISITS	DISPOSITION	SANITARIAN
7/10/00	Pump ✓ satis. Cover over field OK.		
	Builder needs to install swale around tanks, divert all road drains, PG		
	12' above grade, & FDI riser installed.	7/24/00	D/S

PART II SEWAGE DISPOSAL SYSTEM INSPECTION REPORT (To Supplement LHS-141)

DATE	RECORD OF REMARKS AND VISITS	DISPOSITION	SANITARIAN
11/19/99	LAYOUT INSP TODAY - EVERYTHING LOOKS OK, BUT NEED WELL CHECK. NOTIFIED BUILDER.		
11/22/99	SPOKE W/ BDR TODAY. HE WILL HAND DELIVER WELL CHECK TO THIS OFFICE	HOLD	DCM
11/23/99	WELL CHECK RCD - AGREES W/ GRADING PLAN - ISSUE PERMIT	HOLD	DCM
12/13/99	PERMIT ISSUED, BUT PUMP PLANS NOT SUBMITTED YET. HOLDING RELEASE OF PERMIT UNTIL PUMP PLANS ARE APPROVED. NOTIFIED BOTH BUILDER AND OWNER.	HOLD/PUMP PLANS	DCM
1-22-00	Pump plans OK - release permit	"	DCM
1-26-00	Rescheduled due to snow.	1-31-00	DCM
2/8/00	Contractor cancelled inspection.	HOLD	DCM
2/17/00	Entire SDS incl. for clogging OK to BE PUMP	HOLD	OK

SEWAGE PUMP INSPECTION SHEET

 PERMIT # 129-99-0789

 PLANS APPROVED 12-22-99

 LOCATION: 11439 Woolington Rd

 TAX MAP #: 2-2-003-9

ITEM	PER PLANS	PER INSPECTION	DATE INITIAL	REMARKS
1. IS PUMP CHAMBER 12" ABOVE GRADE AND PROPERLY GRADED?	(YES) / NO	(YES) / NO	7/10/00 Dly	
2. IS ELECTRICAL JUNCTION BOX ABOVE GRADE?		(YES) / NO	↓	
3. DIAMETER OF PUMP CHAMBER	TAPP 1125 Fx IN.	TAPP 1125 Fx IN.	2/17/00	
4. IS CONSTRUCTION OF CHAMBER SATISFACTORY?	(YES) / NO	(YES) / NO	7/10/00 Dly	
5. MAKE AND MODEL NUMBER OF PUMPS *SEE NOTE BELOW	Hyd SPE04 Hyd SP100H	Myers	↓	ME-50's
6. CHECK VALVES PROPERLY LOCATED (TYPE OF MATERIAL PORPOSED)	(YES) / NO	(YES) / NO	↓	MATERIAL INSTALLED: Brass
7. FORCE LINE (SIZE/MATERIAL/DEPTH)	2" PVC 24"	2" PVC 24"	2/17/00	
8. FLOATS (TYPE/NUMBER/SUSPENSION)	3 Merc PVC	3 Merc PVC	7/10/00 Dly	SUSPENSION: PVC
9. DISTANCE OVERRIDE BELOW INLET	15.2 IN.	15.2 IN.		
10. DISTANCE ALARM BELOW INLET	15.2 IN.	15.2 IN.		
11. HEIGHT OF "OFF" FLOAT ABOVE FLOOR	24 IN.	24 IN.		
12. DRAWDOWN BETWEEN ON & OFF FLOATS	6.8 IN.	6.8 IN.		
13. CHAMBER LID SEALED		(YES) / NO		
14. CONTROL PANEL (MAKE & MODEL #)	WTGD TAC III	Myers		26400 B26Y
(A) IS ALARM ON SEPARATE CIRCUIT?	(YES) / NO	(YES) / NO		
(B) DOES OVERRIDE FUNCTION PROPERLY?		(YES) / NO		
(C) DOES ALTERNATOR FUNCTION PROPERLY?		(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	↓	

*NOTE: THIS STATEMENT MUST BE COMPLETED AND SIGNED:

I, Stanley Construction DO HEREBY CERTIFY THAT THE SEWAGE PUMPS INSTALLED ON THIS
(PRINT NAME OF SDS CONTRACTOR)
 LOT ARE Myers ME-50's AND THAT THE PUMP IS CONSTRUCTED IN ACCORDANCE
(MAKE AND MODEL NUMBER)
 WITH APPROVED PLANS.

7/10/00
DATE

* See completion statement
 SIGNATURE OF SEWAGE DISPOSAL CONTRACTOR OR AUTHORIZED AGENT

7/10/00
DATE

Dennis R. [Signature]
 ENVIRONMENTAL HEALTH SPECIALIST

FAIRFAX COUNTY DIVISION OF ENVIRONMENTAL HEALTH WASTE EFFLUENT PUMP CALCULATIONS

DESIGNED BY: DAN JONES
CHECKED BY: JOHN WALKER

Plans prepared BY: CHRISTOPHER CONSULTANTS Permit Holders Name SANTE FETEL
Address: 9900 MAIN STREET Property Address: 11439 WOOLINGTON RD.

FAIRFAX VA 22031

STERLING VA

Phone: (703) 373-6820

Subdivision: MASTERS-SECTION 12-A LOT 9

Date: 6-11-96
12-15-99

No. of Bedrooms 5

Tax Map I.D. 10A-9

1. 214 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. 146 number of gallons to be pumped each cycle

3. 97x51x32 Tank size 1155 Gals.

4. 21.6 gallons per inch of tank

NOTE: An electrical permit is required for installation.

5. 12.8 inches drawdown per cycle

6. 325 gallons storage (1/4 day required above high water alarm)

7. 17.3 feet of static lift

8. 2" inches diameter of discharge pipe (2" minimum PVC)

9. 133 feet length of run of discharge pipe

10. 57.7 feet equivalent length of pipe

APPROVED
FAIRFAX COUNTY HEALTH DEPARTMENT
See notes in recd

11. 23.68 feet of TDH at 40 gpm minimum

12. 40.27 feet of TDH at 80 gpm maximum

12-2299
Date

Health Official

13. Drawdown time: 3 minutes 31 sec. at 40 gpm;

1 minutes 50 sec. at 80 gpm

14. Recommended pump: #1 Make HYDROMATIC Model # SP 50H

54 gpm at 29 feet TDH

115 volts 1 phase 1/2 horsepower

#2 Make HYDROMATIC Model # SP 1004

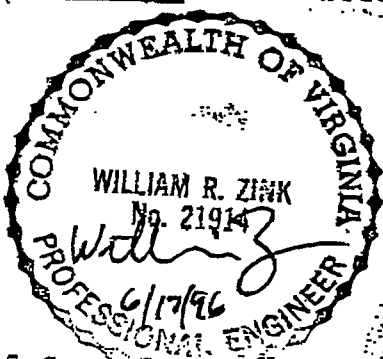
75 gpm at 30 feet TDH

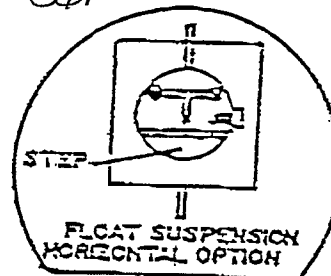
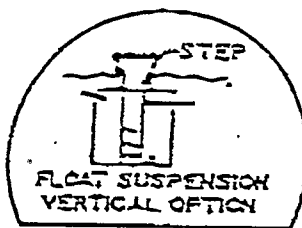
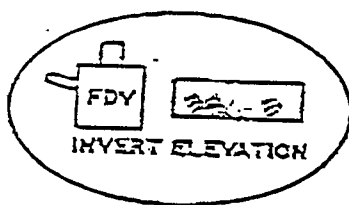
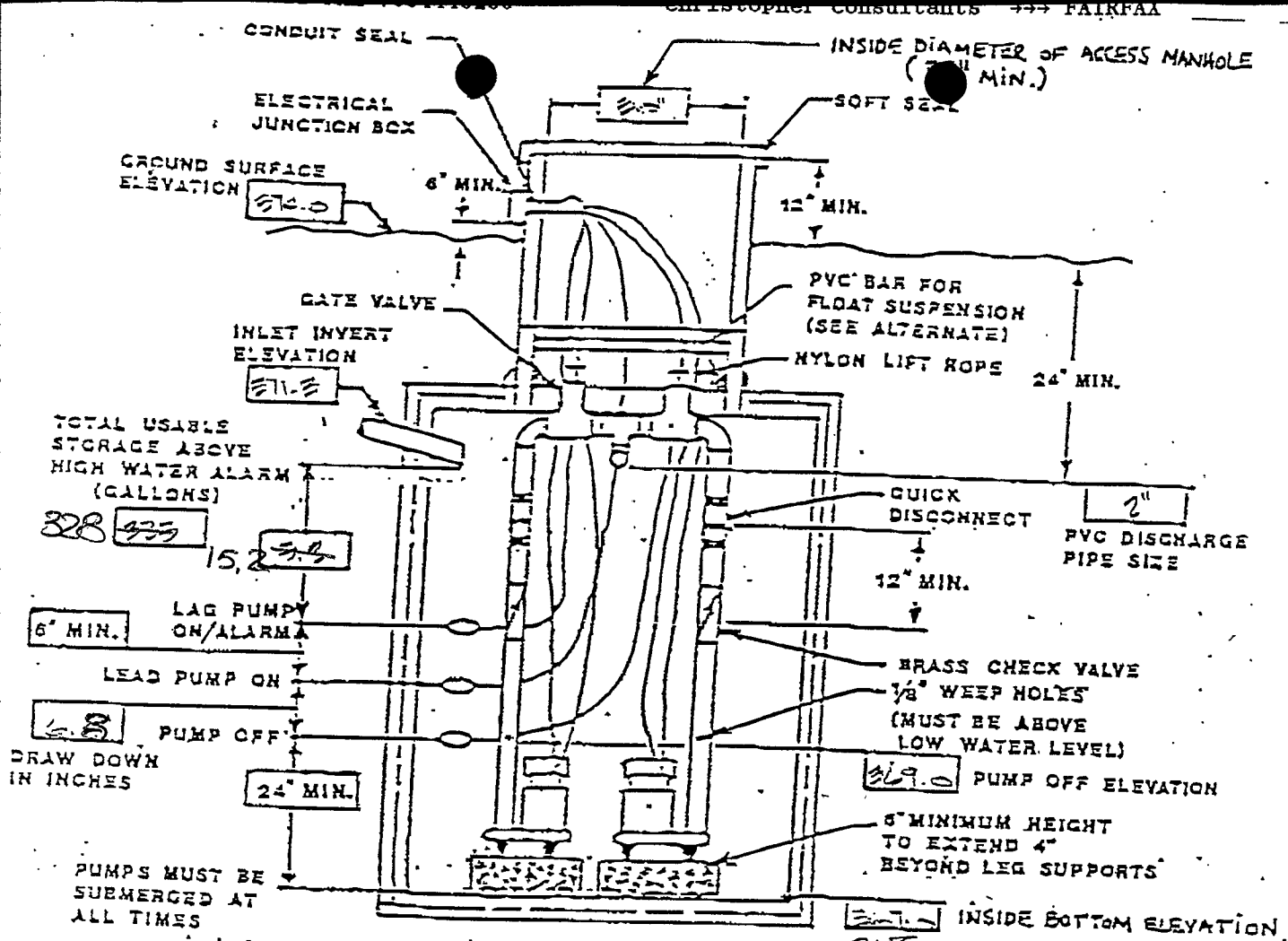
230 volts 1 phase 1 horsepower

15. Control Panel: Make WATERGUARD Model # TAC II

15/220 volts 1 phase 1 maximum horsepower

HEALTH DEPARTMENT COPY



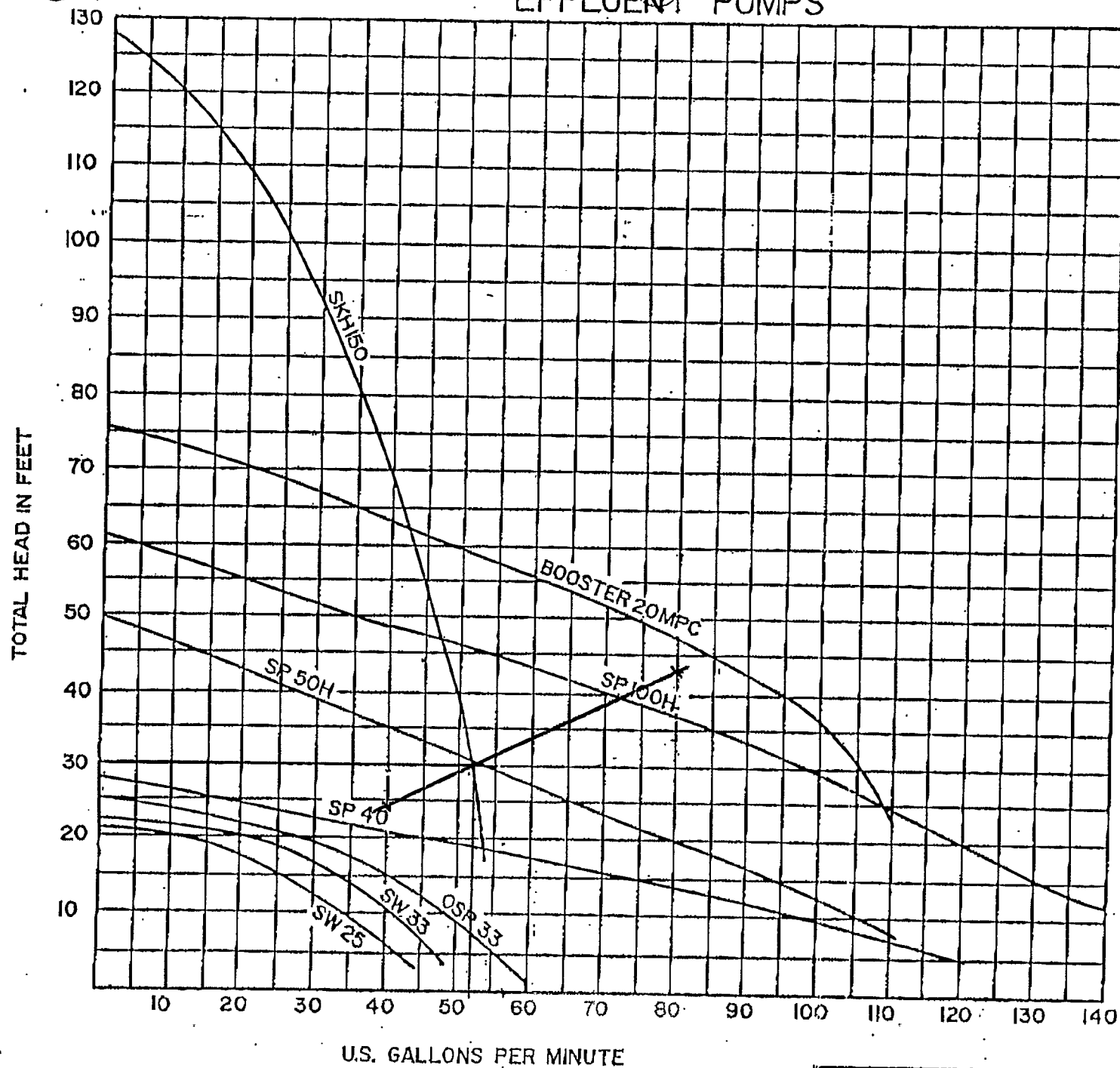


GALLONS	INSIDE DIMENSIONS (INCHES)			GAL/IN	MANUFACTURER
	LENGTH	WIDTH	LIE. DEPTH		
1135	97	51	32	21.6	TAP

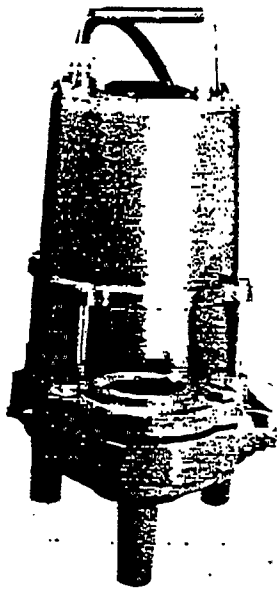
NOTE
FLOATS MUST BE INSTALLED AS NOT
TO BE DISTURBED BY WASTEWATER
ENTERING THE TANK

12/17/1999 FRI 13:11 FAX 7034445230
CHRISTOPHER CONSULTANTS *** FAIRFAX

EFFLUENT PUMPS



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



SP50H/SPD50H SP100H/SPD100H

**Submersible
effluent pumps for
septic tank systems
and industrial
sump service**

**HYDROMATIC
PUMPS**

A Marley Pump Company

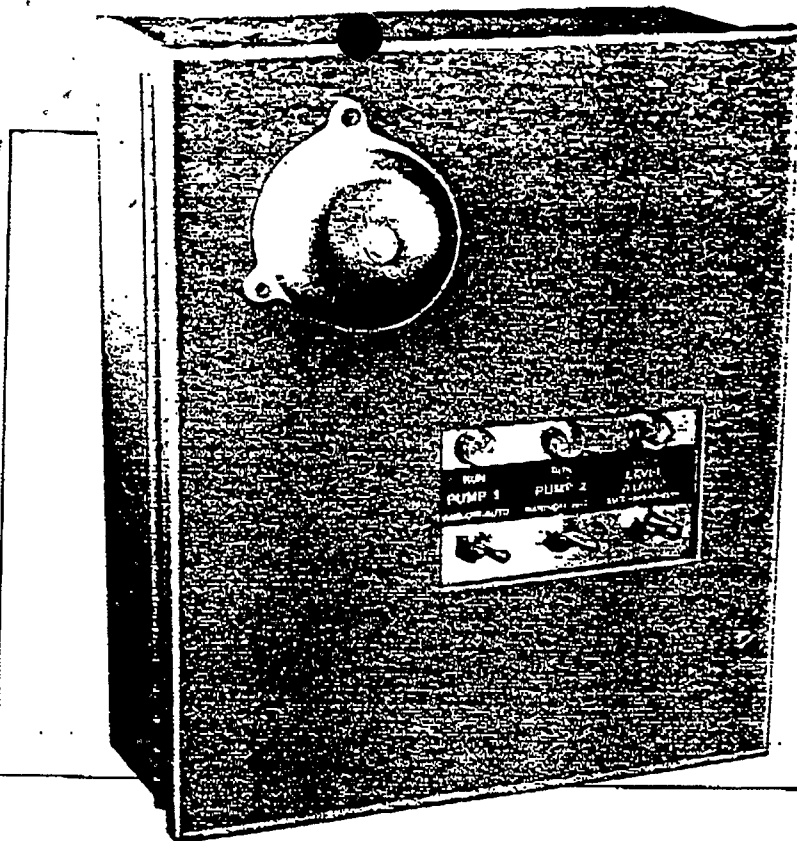


Outstanding Features

- All models feature motors with ball bearing design in pure dielectric insulating oil for cooler running and permanent lubrication.
- SPD models contain dual seals with seal failure sensor capability (to be wired into an alarm device). All single seals and dual seals are the longlife carbon and ceramic faced, springloaded type to keep water out.
- The impeller is a two vane cast iron sewage type design. No intake screen to become clogged.
- Diaphragm type pressure switch is enclosed with the motor start capacitor in a water tight housing mounted to the pump case.
- Pump parts and motor housing are constructed of heavy duty cast iron.
- 10' standard length PVC jacketed power cord. SP single phase models have grounded plug-in cord, SP three phase and all SPD models come without plug-in.

Capabilities

Specifications		½ HP	1 HP
Capacities to:		110 GPM	140 GPM
Electrical	SP1Ø	115V, 12.2 Amps 230V, 6.1 Amps	230V, 7.5 Amps
	SP3Ø	230V, 3.5 Amps 460V, 1.7 Amps	230V, 5.0 Amps 460V, 2.5 Amps
	SPD1Ø	115V, 13.0 Amps 230V, 6.5 Amps	230V, 8.5 Amps
	SPD3Ø	—	230V, 5.0 Amps
Discharge NPT		2" Std., 3" Flange optional	
Solids Handling		¾"	
Pump Cord		10' Std, 20' Optional	
Controls	SP	Auto and Manual	
	SPD	Manual Only	
Construction		Cast Iron	



TAC III

SINGLE PHASE SERIES

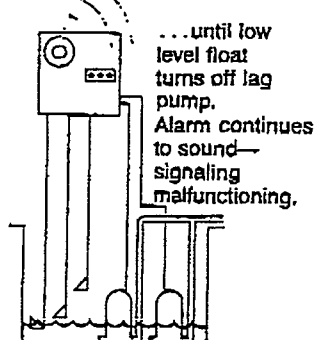
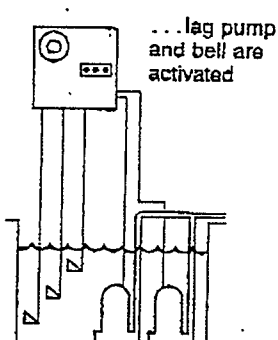
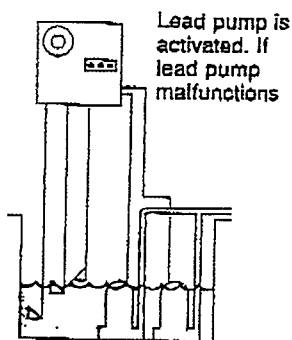
DUPLEX SUMP CONTROLS

TAC III is a quality, automatic duplex sump control system used to protect your home or business from costly water or sewer backup damage. Built-in features include simplified field conversion from a 3-float switch system to a 4-float switch system.

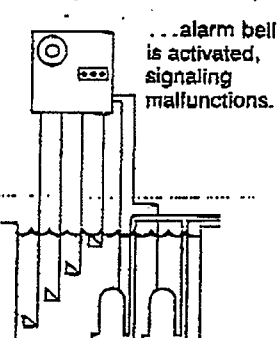
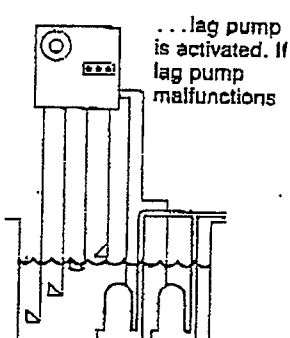
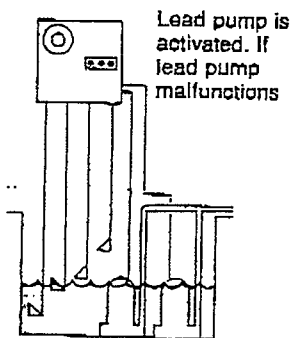
Every TAC III sump control system features the exclusive WATER GUARD rotary sequencer for even pump wear and longer pump life.

UL APPROVED AND LABELED

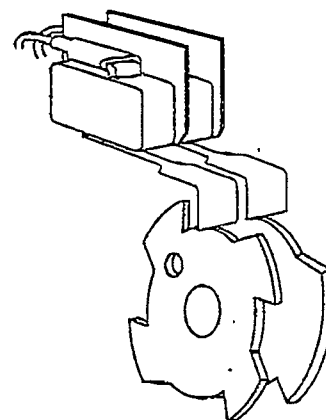
3-Float Switch System



4-Float Switch System (Field Conversion)



Electro-Mechanical ROTARY SEQUENCER



Rugged. Dependable. Automatically alternates the operation of the lead and lag pump after every pumping cycle. Eliminates rapid switching found in electro-mechanical sequencers when subjected to temporary power fluctuations or stoppages.

Water Guard

Designers and manufacturers of controls
for water supply and sewage systems.

MINISTRY OF DEFENSE

APPROVED
FAIRFAX COUNTY HEALTH DEPARTMENT
Stop & Planter
STJ

4-26-00
Date

Health Official

1. THE PROPOSED DRIVEWAY IS TO BE USED AS THE CONSTRUCTION ENTRANCE. MUD AND DEBRIS SHALL BE WASHED FROM ALL CONSTRUCTION VEHICLES AND EQUIPMENT BEFORE LEAVING THE SITE.
2. SILT FENCE MUST BE INSTALLED AND FUNCTIONAL BEFORE CLEARING.
3. ALL MEASURES ARE TO BE INSPECTED DAILY BY THE SITE SUPERINTENDENT AND ANY DAMAGED STRUCTURES SHALL BE REPAIRED BY THE CLOSE OF DAY.
4. NO AREAS SHALL BE DENUDED FOR MORE THAN 14 DAYS.
5. WHERE CONSISTENT WITH JOB SAFETY REQUIREMENTS, ALL EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES. NO MATERIAL SHALL BE PLACED IN STREAMBEDS.
6. ANY STOCKPILED MATERIAL WHICH WILL REMAIN IN PLACE FOR MORE THAN 30 DAYS SHALL BE SEEDED AND MULCHED.
7. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED WITHIN 5 DAYS AFTER BACKFILL.

EX. TREE
TO BE
GAVED —

WIDTH OF
CLEARING
GRADING

~~50~~
~~BROMLEY~~

ZONE: RE:
USE: SINGLE FAMILY
DWELLING

LOT 9

LOT 16

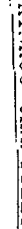
OLINGTON ROAD

SN (50' R/W)

5BR
RATE 12@52*

[illegible]

1



SCALE: $1/4" = 1'-0"$

BOERS RESIDENCE
LOT #9 WOLLINGTON ROAD

GENERAL NOTES

- THE PROPERTY IS LOCATED ON TAX MAP 2-2(11), PARCEL 10A LOT 9, ZONED R-E. THE PROPERTY OWNER IS CHEVY CHASE SAVINGS BANK, 8401 CONNECTICUT AVENUE, CHEVY CHASE, MD 20815 (301) 986-7260.
- PLEASE REFER TO CASCADES COMMONS ESTATE LOTS SECTION 12A FAIRFAX COUNTY PLAN NO. 7668-SO FOR ALL RELEVANT INFORMATION PERTAINING TO THIS SINGLE LOT GRADING PLAN.
- THE PURPOSE OF THIS PLAN FOR THE GRADING OF LOT 9.
- WATER SUPPLY IS TO BE PROVIDED BY CASCADES ESTATE LOTS SECTION 12A FAIRFAX COUNTY PLAN NO. 7668-SO-01.
- SEWAGE DISPOSAL IS TO BE PROVIDED BY INDIVIDUAL SEPTIC SYSTEMS.
- ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT FAIRFAX COUNTY AND VDOT CONSTRUCTION STANDARDS AND SPECIFICATIONS.
- TRASH DISPOSAL WILL BE TWICE WEEKLY BY A PRIVATE FIRM AT AN APPROVED FAIRFAX COUNTY SITE.
- NO AIR QUALITY PERMIT IS REQUIRED.
- THIS SITE IS PARTIALLY WOODED WITH A MIXTURE OF HARDWOODS AND PINES. TOPOGRAPHY PREPARED BY URBAN ENGINEERING AND ASSOCIATES, ANNANDALE, VIRGINIA.
- BOUNDARY SURVEY PREPARED BY URBAN ENGINEERING AND ASSOCIATES, ANNANDALE, VIRGINIA.
- THIS PROPERTY IS NOT SUBJECT TO ANY PROFFERS.
- STORMWATER MANAGEMENT IS TO BE PROVIDED BY A REGIONAL FACILITY OFF-SITE AND IS TO BE PREPARED BY URBAN ENGINEERING AND ASSOCIATES, ANNANDALE, VIRGINIA.
- ALL UTILITIES INSTALLED AS A PART OF THIS PROJECT SHALL BE PLACED UNDERGROUND.
- THE EXISTING UNDERGROUND SHOWN HEREON ARE BASED UPON AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK AND FOR ANY DAMAGES WHICH OCCUR BY HIS FAILURE TO LOCATE OR PRESERVE THESE UNDERGROUND UTILITIES. IF DURING CONSTRUCTION OPERATIONS THE CONTRACTOR SHOULD ENCOUNTER UTILITIES OTHER THAN THOSE 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.

TREE COVER REQUIREMENTS

SITE AREA	=	80,889 SF
DEDUCTIBLE AREA = 59,300	=	21,589 SF
REQUIRED PERCENTAGE = 20%	=	4,318 SF
EXISTING TREES TO BE SAVED X1.25	=	3,750 SF X1.25
	=	4,687 SF
TREE COVER REQUIRED	=	4,318 SF
TREE COVER PROVIDED	=	4,687 SF

VIRGINIA STATE GRID NORTH

EX. TREE
TO BE
MAINT.

EROSION AND SEDIMENT CONTROL NARRATIVE

DESCRIPTION: THE PURPOSE OF THIS PLAN IS TO FINAL GRADE LOT 9.

SOILS: SOILS MAP, DESCRIPTION

PHASING OF EROSION AND SEDIMENT CONTROLS:

- THE PROPOSED DRIVEWAY IS TO BE USED AS THE CONSTRUCTION ENTRANCE. MUD AND DEBRIS SHALL BE WASHED FROM ALL CONSTRUCTION VEHICLES AND EQUIPMENT BEFORE LEAVING THE SITE.
- SILT FENCE MUST BE INSTALLED AND FUNCTIONAL BEFORE CLEARING.
- ALL MEASURES ARE TO BE INSPECTED DAILY BY THE SITE SUPERINTENDENT AND ANY DAMAGED STRUCTURES SHALL BE REPAIRED BY THE CLOSE OF DAY.
- NO AREAS SHALL BE DENuded FOR MORE THAN 14 DAYS.
- WHERE CONSISTENT WITH JOB SAFETY REQUIREMENTS, ALL EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES. NO MATERIAL SHALL BE PLACED IN STREAMBEDS.
- ANY STOCKPILED MATERIAL WHICH WILL REMAIN IN PLACE FOR MORE THAN 30 DAYS SHALL BE SEEDED AND MULCHED.
- ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED WITHIN 5 DAYS AFTER BY LL.

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

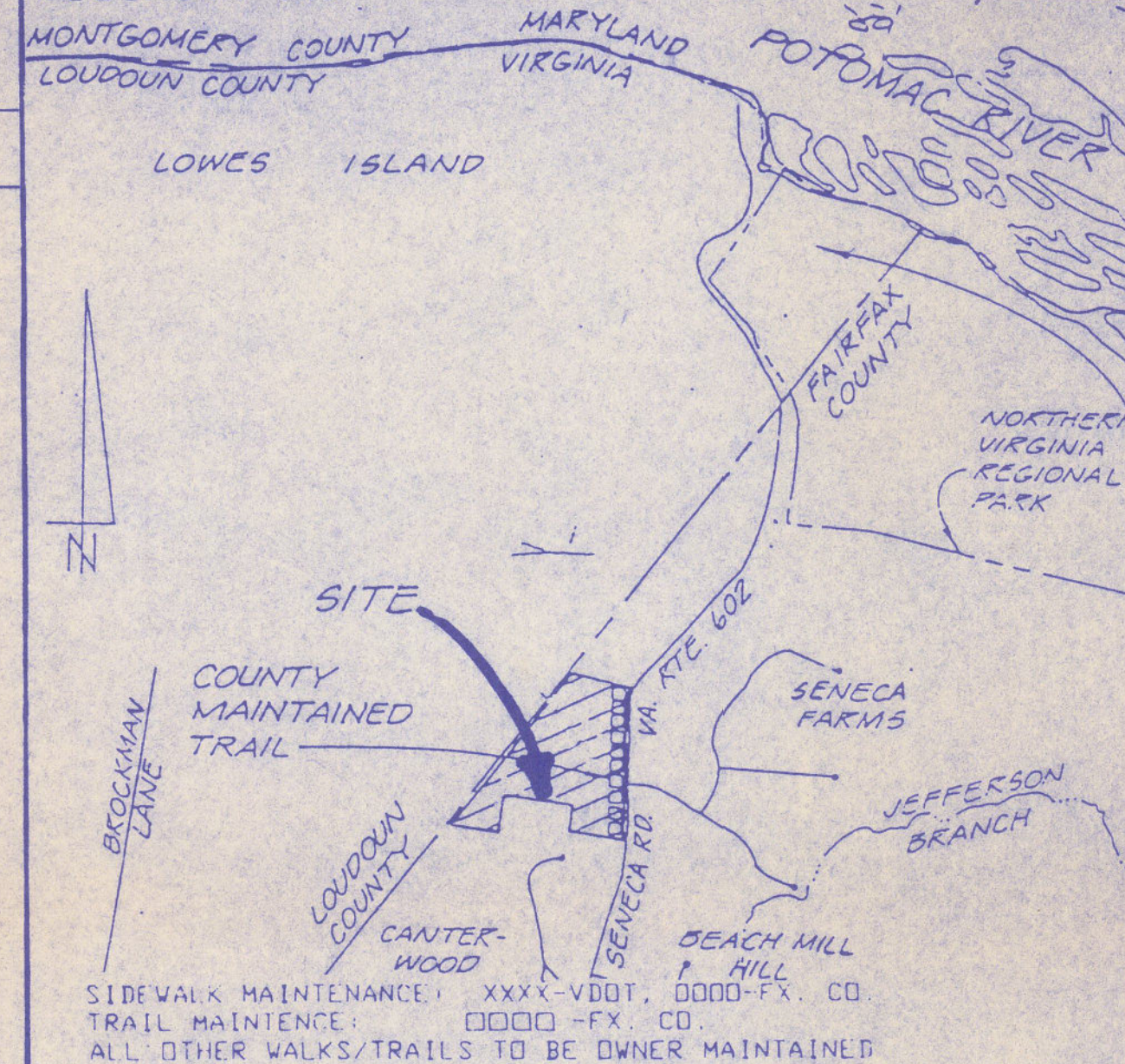
SIGNATURE

OWNER/DEVELOPER SANTA FE DEVELOPMENT

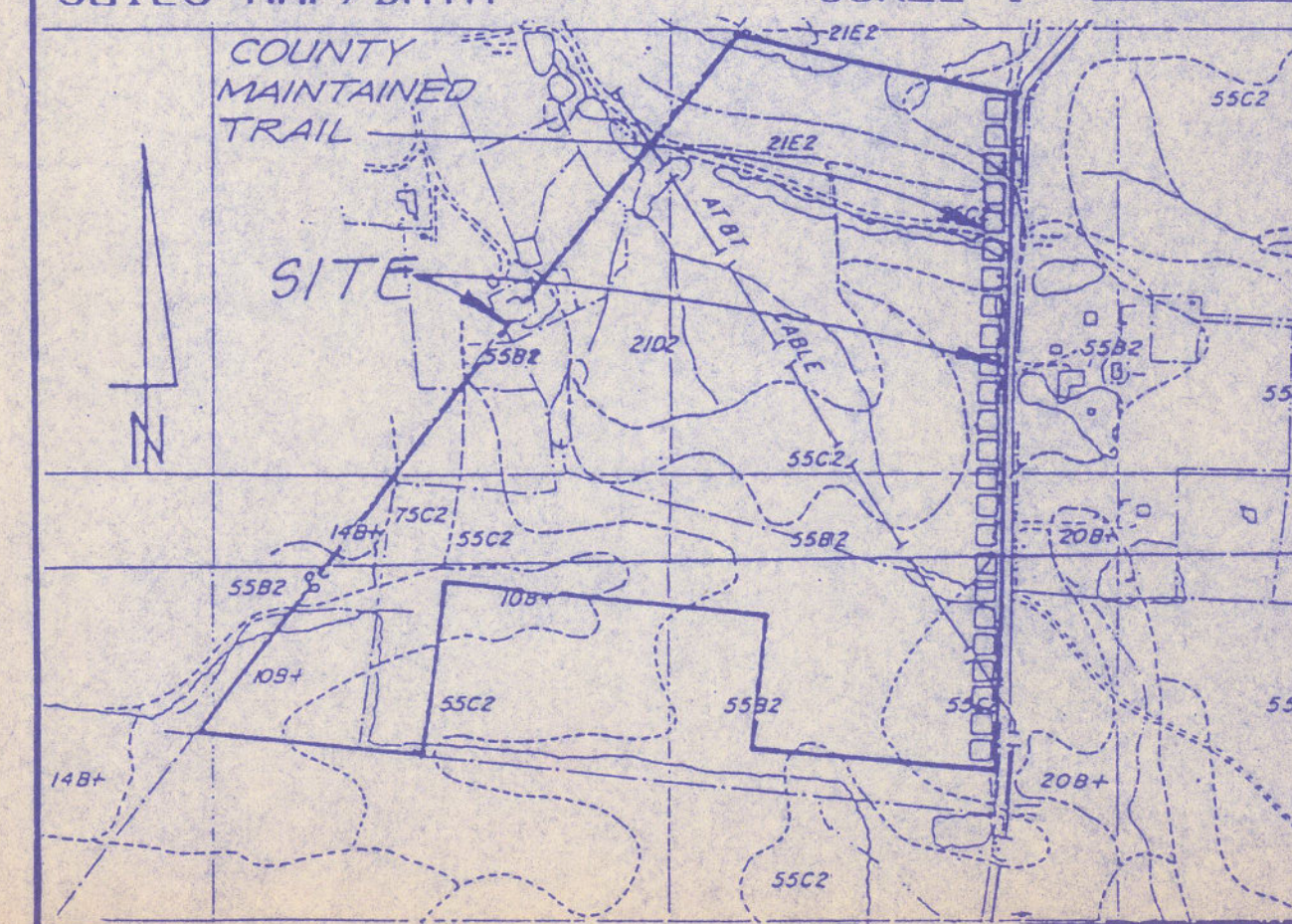
LEGEND:

- LIMITS OF CLEARING AND GRADING
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
- EXISTING WOODS LINE
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- EXISTING WATER LINE
- PROPOSED WATER LINE
- PROPOSED PERCOLATION TEST HOLE LOCATION
- PROPOSED SEPTIC FIELD LOCATION
- CE CONSTRUCTION ENTRANCE
- SF SILT FENCE

VICINITY MAP



SOILS MAP/DATA



SOIL ID NUMBER	SERIES NAME	FOUNDATION SUPPORT	SUBSISTENCE DRAINAGE	SLOPE STABILITY	PROBABLY	CERTIFICATION REPORT REQUIRED
108	GLENNVILLE FAIR	MARGINAL	GOOD	MODERATE	YES	
140	MAWSON	FAIR	MARGINAL	GOOD	MODERATE	YES
210	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
212	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
214	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
216	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
218	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
220	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
222	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
224	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
226	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
228	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
230	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
232	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
234	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
236	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
238	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
240	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
242	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
244	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
246	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
248	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
250	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
252	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
254	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
256	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
258	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
260	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
262	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
264	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
266	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
268	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
270	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
272	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
274	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
276	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
278	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
280	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
282	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
284	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
286	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
288	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
290	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
292	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
294	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
296	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
298	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO
300	MAWSON	GOOD	GOOD	GOOD	SEVERE	NO

SOILS WITH IDENTIFICATION NUMBERS 59, 66, 69, 141, 142, AND 152 MAY OVERLIE PARENT BEDROCK FORMATIONS WHICH HAVE BEEN FOUND TO CONTAIN NATURALLY OCCURRING ASBESTOS MINERALS. SPECIAL MINIMUM CONSTRUCTION MEASURES AND PRECAUTIONS ARE REQUIRED IN COMPLIANCE WITH HEALTH DEPARTMENT DIRECTIVES WITHIN THESE SOILS OR WITHIN FILL ORIGINATING FROM THESE SOILS.

TAX MAP REFERENCE NUMBER(S)

BASE #	DOUBLE #	CIRCLE #	LOT/PL.
002-2	1	10A-4	

SANITARY TREATMENT PLANT - BLUE PLAINS
WATERSHED
SUGARLAND RUN

DATE REVISION

DATE	REVISION
5/10/94	RESITE LOT 2
5/19/94	RESITE LOT 9
6/22/94	HEALTH DEPT. COMMENTS

OWNER

SANTA FE DEVELOPMENT CORP.
9106 MILL CREEK LANDING
GREAT FALLS, VA 22066



SCALE: 1"=50'
DATE: AUGUST 1994
DESIGN: SM
DRAWN: CC
CHECKED: PWT
SHEET NO. 13

For Doug Miller

CANTERWOOD
SECTION 2

LOT 8

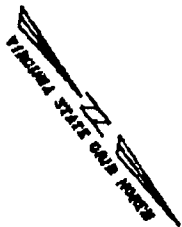
SLOPE CONSTRUCTION
& MAINTENANCE ESM'T.
(RCD DB-9069 PG-0227)

LOT 9
80,889 SQ.FT.

LOT 10

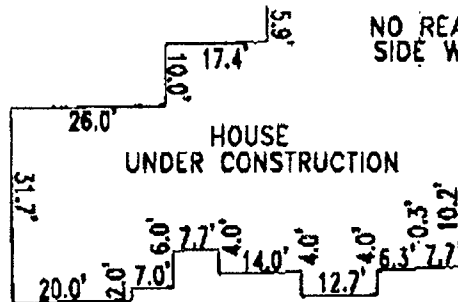
SINEGAR PLACE
(50' R/W)

WOOLINGTON ROAD
(50' R/W)



DETAIL

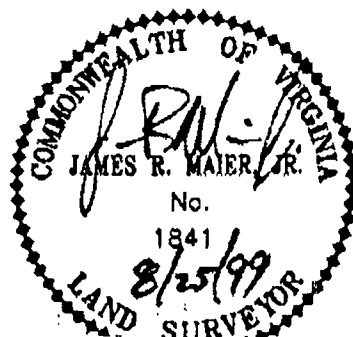
SCALE: 1" = 30'



NO REAR OR
SIDE WALLS

HOUSE
UNDER CONSTRUCTION

WALL CHECK
CASCADES ESTATE LOTS
SECTION 12A
LOT 9
DRANESVILLE ELECTION DISTRICT
FAIRFAX COUNTY, VIRGINIA



THIS HOUSE LOCATION SURVEY HAS BEEN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND DOES NOT PURPORT TO REFLECT ALL EASEMENTS ENCUMBRANCES OR OTHER CIRCUMSTANCES AFFECTING THE TITLE TO THE SUBJECT PROPERTY AND IS NOT INTENDED TO BE USED AS AN AID FOR THE CONSTRUCTION OF FENCES OR ANY OTHER IMPROVEMENTS.

SCALE: 1" = 100'

DATE: 8-25-99

F.H.L.S.

DRAWN:
OP

CHECKED:

TR

christopher consultants llc.

engineering • surveying • land planning
10 pigeon hill drive
suite 200
sterling, va. 20165
(703) 444-3707

GENERAL NOTES

- THE PROPERTY IS LOCATED ON TAX MAP 2-2(11), PARCEL 10A LOT 9, ZONED R-1. THE PROPERTY OWNER IS CHEVY CHASE SAVINGS BANK, 8001 CONNECTICUT AVENUE, CHEVY CHASE, MD 20815 (301) 986-7260.
- PLEASE REFER TO CASCADES COMMONS ESTATE LOTS SECTION 12A FAIRFAX COUNTY PLAN NO. 7668-SD-01 FOR ALL RELEVANT INFORMATION PERTAINING TO THIS SINGLE LOT GRADING PLAN.
- THE PURPOSE OF THIS PLAN FOR THE GRADING OF LOT 9, WATER SUPPLY IS TO BE PROVIDED BY CASCADES ESTATE LOTS SECTION 12A FAIRFAX COUNTY PLAN NO. 7668-SD-01.
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TREE COVER REQUIREMENTS

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DEDUCTIBLE AREA - 59,300	21,589 SF
REQUIRED PERCENTAGE - 20%	4,318 SF
EXISTING TREES TO BE SAVED 11.25	3,750 SF AT 12.5
TREE COVER REQUIRED	4,687 SF
TREE COVER PROVIDED	4,318 SF
	4,687 SF

VIRGINIA STATE GRID NORTH

EROSION AND SEDIMENT CONTROL NARRATIVE

DESCRIPTION: THE PURPOSE OF THIS PLAN IS TO FINAL GRADE LOT 9.

SOILS: SEE SOILS MAP FOR DESCRIPTION

PHASING OF EROSION AND SEDIMENT CONTROLS:

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SIGNATURE

OWNER/DEVELOPER SANTA FE DEVELOPMENT

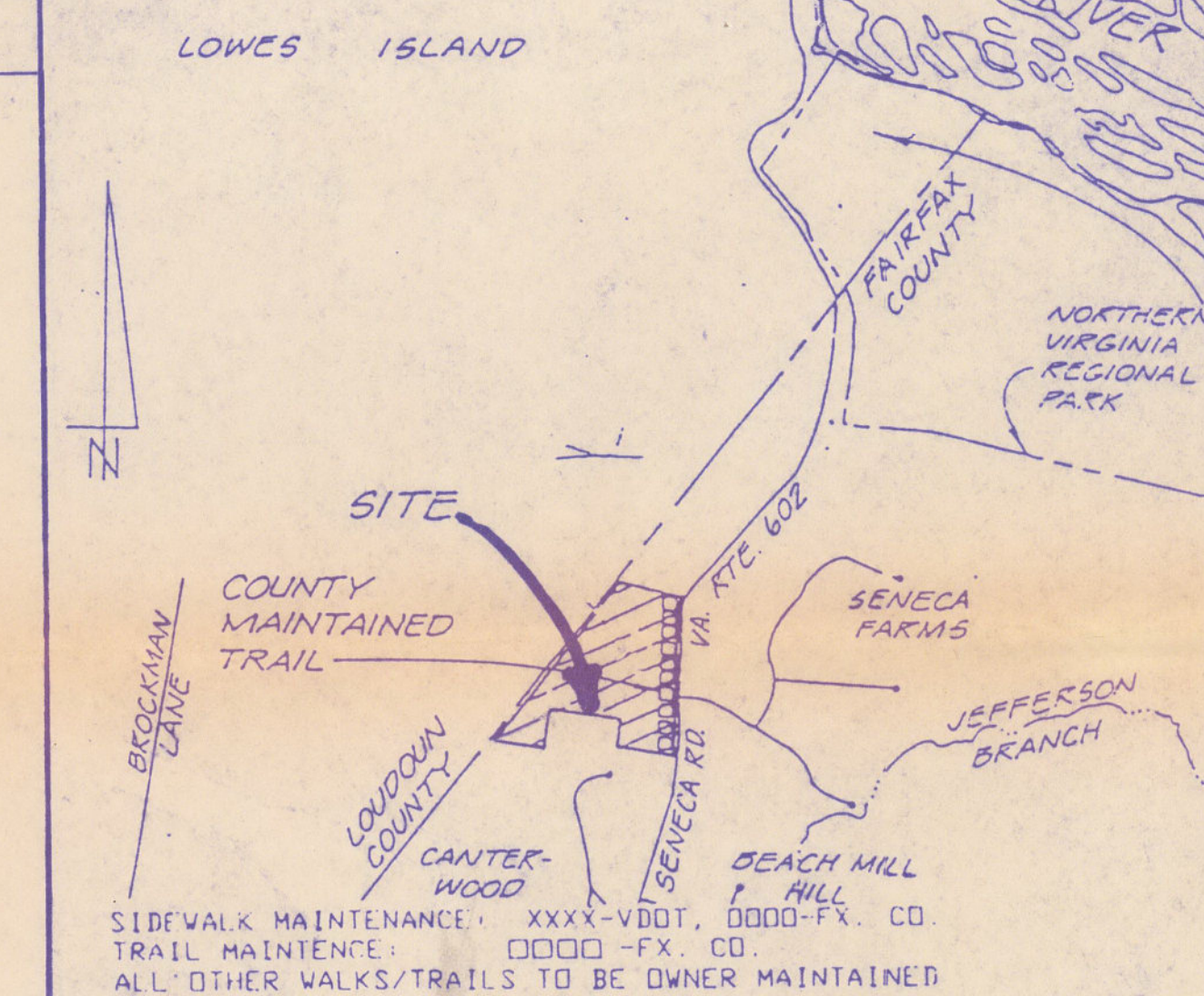
LEGEND

- LIMITS OF CLEARING AND GRADING
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
- EXISTING WOODS LINE
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- EXISTING WATER LINE
- PROPOSED WATER LINE
- PROPOSED PERCOLATION TEST HOLE LOCATION
- STAGED PERCOLATION TEST HOLE LOCATION
- PROPOSED SEPTIC FIELD LOCATION
- CONSTRUCTION ENTRANCE
- SILT FENCE

VICINITY MAP

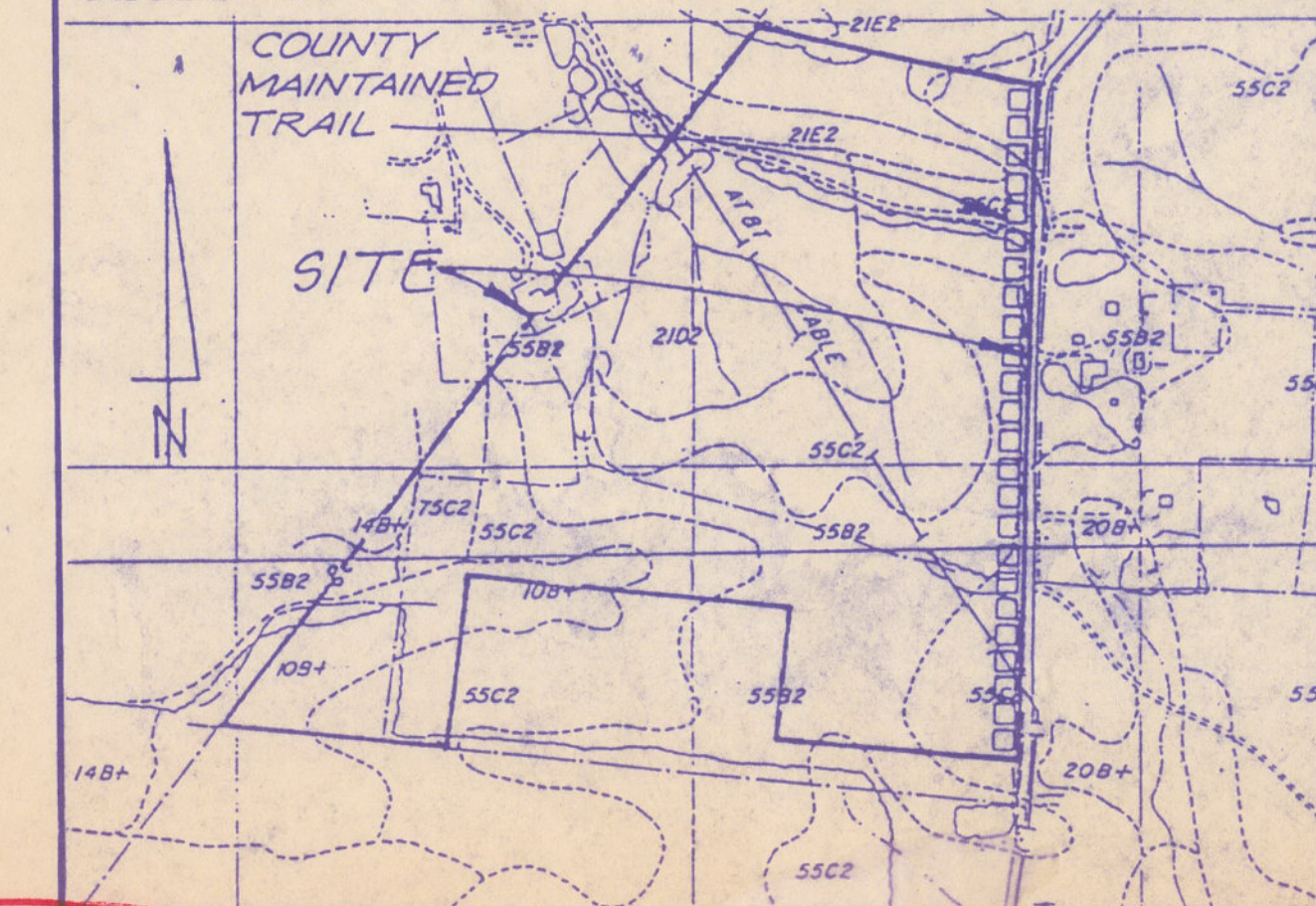
MONTGOMERY COUNTY
LOUPOUN COUNTY

SCALE 1" = 2,000'



SOILS MAP/DATA

SCALE 1" = 500'



SOIL I.D. NUMBER	SERIES NAME	FOUNDATION SUPPORT	SUBSTRATE DRAINAGE	SLOPE STABILITY	PROBABILITY	GEOTECHNICAL REPORT REQUIRED
10B	GLENNVILLE FAIR	GOOD	MARGINAL	GOOD	MODERATE	YES
14B	MANASSAS FAIR	GOOD	MARGINAL	GOOD	MODERATE	YES
21C	MANASSAS FAIR	GOOD	MARGINAL	GOOD	MODERATE	NO
21E	MANASSAS FAIR	GOOD	MARGINAL	GOOD	MODERATE	NO
55B	GLENNVILLE FAIR	GOOD	MARGINAL	GOOD	MODERATE	NO
55C	GLENNVILLE FAIR	GOOD	MARGINAL	GOOD	MODERATE	NO
75C	PENN	GOOD	MARGINAL	GOOD	MODERATE	NO

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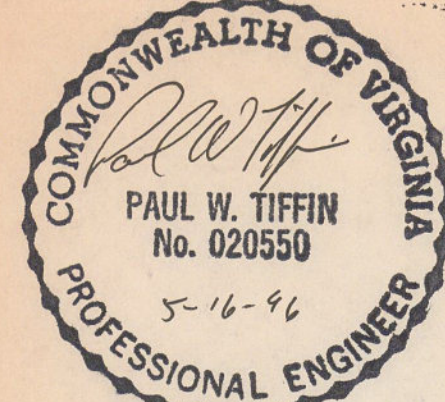
TAX MAP REFERENCE NUMBER(S)

BASE #	DOUBLE	CIRCLE #	LOT/PC/L	BASE #	DOUBLE	CIRCLE #	LOT/PC/L
002-2	1	10A-9					

SANITARY TREATMENT PLANT - BLUE PLAINS

SUGARLAND RUN WATERSHED

DATE	REVISION
5/10/96	RESITE LOT 9



OWNER

GREENVEST L.C.
1568 SPRING HILL ROAD
SUITE 201
MCLEAN, VA. 22102

SCALE: 1" = 50'

DATE: AUGUST 1994

DESIGN: SM

CHECKED: CC

SHEET NO.

1 OF 3

LC - 1524

GRADING PLAN

CASCADES ESTATE LOTS
SECTION 12A

DRANESVILLE DISTRICT, FAIRFAX COUNTY, VIRGINIA

christopher consultants ltd.

engineering • surveying • real property
9900 main street
fairfax, va 22031
(703) 273-6930

* LOT 2, 3, 4, 5, 6 AND 7 WILL NOT BE PERMITTED DIRECT ACCESS TO SENECA ROAD.

NOTICE: PLAN CONTROL, DEM DESIGN REVIEW, OWNER, AGENT, DEVELOPER

APPROVAL OF THIS PLAN IS FOR FOOTPRINT LOCATION OF PROPOSED INDIVIDUAL SEWAGE DISPOSAL SYSTEM ONLY. IT HAS NOT BEEN REVIEWED FOR RELATIONSHIP OF PROPOSED INDIVIDUAL SEWAGE DISPOSAL SYSTEM TO DWELLING, PROPOSED GRADING, PROPER ELEVATIONS, ETC. NO GRADING MAY BE DONE OVER OR WITHIN TEN (10) FEET OF PROPOSED INDIVIDUAL SEWAGE DISPOSAL SYSTEM UNTIL SUCH TIME A BUILDING PERMIT APPLICATION HAS BEEN RECEIVED AND APPROVED AND A PERMIT FOR INSTALLATION OF AN INDIVIDUAL SEWAGE DISPOSAL SYSTEM HAS BEEN ISSUED BY THE FAIRFAX COUNTY HEALTH DEPARTMENT. A DETAILED REVIEW OF THE PROPOSED INDIVIDUAL SEWAGE DISPOSAL SYSTEM BY THE FAIRFAX COUNTY HEALTH DEPARTMENT WILL TAKE PLACE DURING BUILDING PERMIT APPLICATION SUBMISSION TO THE FAIRFAX COUNTY HEALTH DEPARTMENT. APPROVAL OF THIS PLAN AT THIS TIME SHOULD IN NO WAY IMPLY THAT THIS PLAN WILL AUTOMATICALLY BE APPROVED FOR THE BUILDING PERMIT APPLICATION.

