

Auction Tract 6: Dining Hall / Convention Center Septic Permit

Health Department
Identification Number

VA Baptist Children's Home
144-00-0487

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.

Install sewage disposal system in accordance with plans and specifications entitled **SEWERAGE SYSTEM FOR VIRGINIA BAPTIST CHILDREN'S HOME** as prepared by Stone Engineering, 250 S. Main Street, Rocky Mount, VA and revision dated 5/16/2001.

Advise Dean Stone of Stone Engineering, (540) 483-0078 and Henry County Health Department (540) 638-2311 of construction schedule prior to digging to arrange for inspection before covering.

This office must receive a statement of completion from a licensed professional engineer stating that the system was installed and constructed in accordance with the plans and specifications as approved. Additionally an Operation and Maintenance Manual must be submitted to this office prior to an Operation permit being issued.

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

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: 6/7/2001

Issued by: _____

Environmental Specialist I

Date: 6/8/01

Reviewed by: _____

Environmental Manager or Agent

This Construction
Permit Valid until
12/7/2002

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LOCATION MAP

Tax No. 65.1-3
Virginia Baptist
Children's Home
& Family Services
D.B.903-Pg.567,
H.C.C.C.C.O.
M.B.85-Pg.255,
H.C.C.C.C.O.

Tax No. 65.1-2
Willie B. Draper
D.B.723-Pg.698,
H.C.C.C.C.O.

Reference Meridian
M.B.85-Pg.255, H.C.C.C.C.O.

DRAINFIELD #1 DATA

10 LINES
80' LONG
3' WIDE
9' CENTERS
72" DEEP

10' MINIMUM BETWEEN DRAINFIELD AND WATER LINE.
DRAINFIELD IS SHOWN AS LOCATED BY SURVEY BY
PIEDMONT LAND SURVEYING, L.L.C., 2288 DANIELS
CREEK ROAD, COLLINSVILLE, VIRGINIA 24078.

DRAINFIELD #2 DATA

10 LINES
80' LONG
3' WIDE
9' CENTERS
78" DEEP

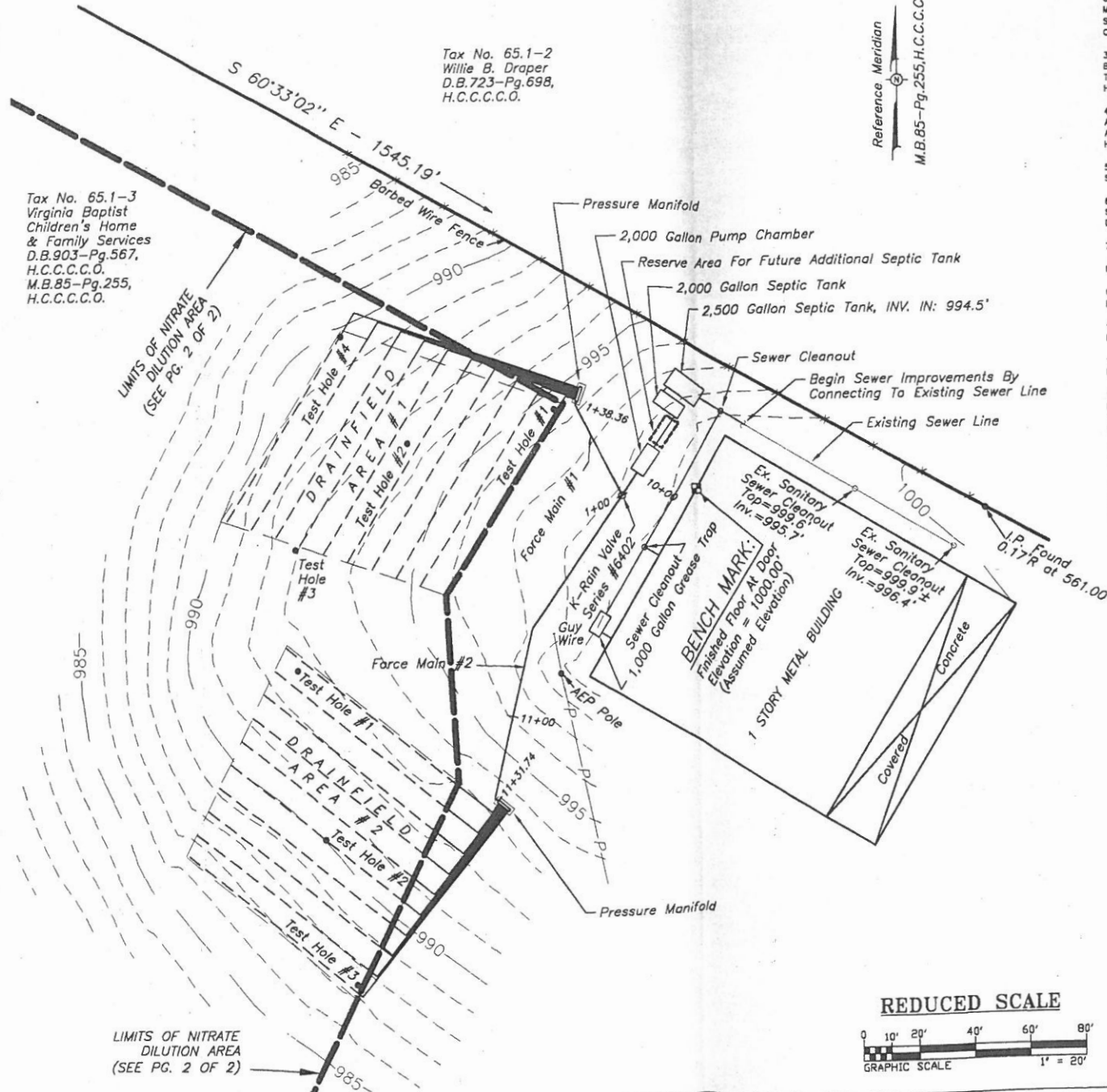
10' MINIMUM BETWEEN DRAINFIELD AND WATER LINE.
DRAINFIELD IS SHOWN AS LOCATED BY SURVEY BY
PIEDMONT LAND SURVEYING, L.L.C., 2288 DANIELS
CREEK ROAD, COLLINSVILLE, VIRGINIA 24078.

DEVELOPER:
VIRGINIA BAPTIST CHILDREN'S HOME
c/o DALE E. HAMON
W.O.D.S. PROGRAM
P.O. BOX 307
NEWCASTLE, VIRGINIA 24127
(540) 864-6640

SURVEYOR:
PIEDMONT LAND SURVEYING
P.O. BOX 486
2288 DANIELS CREEK ROAD
COLLINSVILLE, VIRGINIA 24078
(540) 647-4448

SOILS CONSULTANT:
FRANK DAVIS, AOE #163
110 LAKEWOOD CT.
ROCKY MOUNT, VIRGINIA 24151
(540) 483-4914

LIMITS OF NITRATE
DILUTION AREA
(SEE PG. 2 OF 2)



GENERAL NOTES AND SPECIFICATIONS

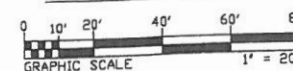
- 1.) PUMPS (DUPLEX): GOULDS MODEL 3885, WEOSH, SINGLE PHASE, 230 VOLTS OR APPROVED EQUAL.
- 2.) CONTROLS: SWITCHES - GOULDS A2-3 (3 REQUIRED) OR A2-7 (2 REQUIRED) OR APPROVED EQUAL.
CONTROLS - GOULDS A3 DUPLEX PUMP CONTROL, A6-2012 WITH REMOTE ALARM MOUNTED ON THE INSIDE OF STRUCTURE.
SLIDE RAIL (2 TOTAL) - GOULDS SLIDE RAIL MODEL A10-20 OR APPROVED EQUAL.
CYCLE COUNTER - GOULDS PART NO. 8750 OR APPROVED EQUAL.
- 3.) PIPING AND VALVES: ALL GRAVITY LINES AND FORCE MAINS OUTSIDE PUMP STATION TO BE 200 PSI SDR 21 PVC OR APPROVED EQUAL. ALL FORCE MAIN PIPES SHALL BE TESTED TO 50 PSI FOR ONE HOUR WITH NO LEAKAGE PERMITTED. FORCE MAINS SHALL HAVE PRESSURE FITTINGS.
- 4.) LOCATIONS OF SEPTIC TANKS, PUMP STATION, PIPE LINES AND PRESSURE MANIFOLDS ARE APPROXIMATED AND ARE SUBJECT TO MINOR ADJUSTMENTS DURING CONSTRUCTION. ANY SIGNIFICANT DEVIATIONS MUST BE APPROVED BY THE ENGINEER AND THE LOCAL HEALTH DEPARTMENT.
- 5.) ALL CONSTRUCTION OF THESE SEWERAGE SYSTEMS TO BE IN ACCORDANCE WITH THE STATE BOARD OF HEALTH SEWERAGE HANDLING AND DISPOSAL REGULATIONS.
- 6.) ALARM TO BE MOUNTED ON INTERIOR OF STRUCTURE OR INSIDE NEMA III ENCLOSURE. SEPARATE ELECTRICAL CIRCUIT TO BE PROVIDED. ALARM GOULDS MODEL A4-2. DISCONNECT SWITCH TO BE LOCATED ON BUILDING WITHIN SIGHT OF PUMP CHAMBER.
- 7.) TANKS MUST BE LOCATED A MINIMUM OF 5' FROM PROPERTY LINE.
- 8.) DRIVEWAY TO BE PAVED IF CROSSING DRAINFIELD.
- 9.) TANKS, PRESSURE, MANIFOLDS AND DRAINFIELDS MUST BE LOCATED A MINIMUM OF 5' FROM PROPERTY LINES, 10' FROM BUILDING FOUNDATIONS AND 10' FROM UTILITY LINES.
- 10.) K-RAIN DISTRIBUTING VALVE, MODEL #6402 TO BE USED FOR ALTERNATING EFFLUENT BETWEEN DRAINFIELDS. VALVE TO BE PLACED AT HIGH POINT OF FORCE MAIN.
- 11.) CONTRACTOR SHALL ADHERE TO ALL OSHA REGULATIONS FOR DEEP TRENCH INSTALLATION.
- 12.) SEWERAGE SYSTEM DESIGNED BASED ON DIMENSIONS OF STANDARD TANKS AS MANUFACTURED BY C.T. JAMISON SEPTIC TANKS, INC. (540-483-5844). IF ALTERNATE TANKS ARE USED, THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER WITH ACTUAL DIMENSIONS IN ORDER TO SET PUMP ON, PUMP OFF, AND ALARM LEVELS.
- 13.) PROVIDE ACCESS TO EACH SEPTIC TANK WITH A MANHOLE EQUIPPED WITH A WATERTIGHT LID TO BRING THE TOP OF THE MANHOLE TO THE SURFACE ELEVATION.
- 14.) THE OWNER AGREES TO SAMPLE QUARTERLY FOR BOD AND TSS AT THE PUMP CHAMBER FOR TWO YEARS. IF THE BOD OR TSS EXCEEDS THE MAXIMUM STRENGTH FOR SEPTIC TANK EFFLUENT AS DEFINED BY REGULATIONS, ADDITIONAL TREATMENT MUST BE ADDED.
- 15.) OPERATION OF GARBAGE DISPOSALS WILL NOT BE ALLOWED AT THIS FACILITY.

DESIGN INFORMATION

PUMPING TO DRAINFIELD #1:
STATIC HEAD 4.5 FT
FRICTION HEAD 4.5 FT
MINOR LOSSES (K-RAIN VALVE) 10.0 FT
PRESSURE HEAD 3.0 FT
TOTAL DYNAMIC HEAD 22.0 FT
FLOW RATE 55 GPM
FORCE MAIN VELOCITY 5.8 FT/S
PUMP RUN TIME/CYCLE 5.7 MIN
WORKING VOLUME 313 GAL
STORAGE VOLUME 1,108 GAL

PUMPING TO DRAINFIELD #2:
STATIC HEAD 4.5 FT
FRICTION HEAD 8.0 FT
MINOR LOSSES (K-RAIN VALVE) 10.0 FT
PRESSURE HEAD 3.0 FT
TOTAL DYNAMIC HEAD 25.5 FT
FLOW RATE 45 GPM
FORCE MAIN VELOCITY 4.8 FT/S
PUMP RUN TIME/CYCLE 7.0 MIN
WORKING VOLUME 313 GAL
STORAGE VOLUME 1,108 GAL

REDUCED SCALE



REVISIONS	
DESCRIPTION	DATE

DESIGN: RJS	SE Stone Engineering 250 S. Main Street Rocky Mount, Virginia 24151 (540) 483-0078
DRAFT: KJS	
CHECK:	
SEWERAGE SYSTEM FOR VIRGINIA BAPTIST CHILDREN'S HOME STATE ROUTE 650 (GLORY ROAD) IRISWOOD MAGISTERIAL DISTRICT HENRY COUNTY, VIRGINIA	
DATE: APRIL 10, 2001 SCALE: 1" = 20' PERMIT NO. SHEET 1 OF 2 PROJECT NO. 01006	