ATTACHMENT 8

WASTEWATER COLLECTION, TREATMENT AND DISPOSAL FACILITIES

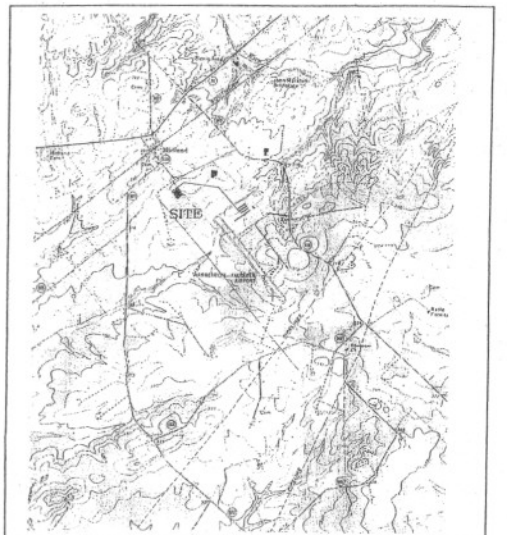
WARRENTON - FAUQUIER AIRPORT

CEDAR RUN MAGISTERIAL DISTRICT

FAUQUIER COUNTY, VIRGINIA

GENERAL NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO VIRGINIA DEPARTMENT OF TRANSPORTATION, VIRGINIA DEPARTMENT OF HEALTH , VIRGINIA DIVISION OF SOIL AND WATER CONSERVATION, AND UNIFORM STATEWIDE BUILDING CODE STANDARDS AND SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE PERMITS PRIOR TO COMMENCING LAND DISTURBING AND/OR CONSTRUCTION ACTIVITIES.
2. BOUNDARY INFORMATION WAS ADAPTED FOR THIS PROJECT ADAPTED FROM BOUNDARY INFORMATION SHOWN ON AIRPORT EXPANSION PLANS PREPARED BY CAMPBELL AND PARIS. ENGINEER HAS NOT VERIFIED THIS INFORMATION AND MAKES NO WARRENTY TO ITS ACCURACY. PLAN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT. FOR EASEMENTS AND RESTRICTIVE COVENANTS NOT SHOWN, SEE TITLE REPORT.
3. J. L. HOWETH, P.C. INDICATES THE EXISTENCE AND APPROXIMATE LOCATION OF ALL POTENTIAL UNDERGROUND UTILITIES AS SHOWN ON THE TOPOGRAPHIC INFORMATION PROVIDED BY CAMPBELL AND PARIS. BEFORE CONSTRUCTION, THE EXACT LOCATION AND DEPTH OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR. COORDINATION FOR THE REMOVAL , RELOCATION, TESTING, OR LOCATION OF ANY UTILITIES AS REQUIRED SHALL BE BETWEEN THE CONTRACTOR/DEVELOPER AND THE UTILITY COMPANY OR AGENCY INVOLVED.
4. THIS PLAN AS PREPARED BY J. L. HOWETH, P.C. IS TO BE USED FOR CONSTRUCTION OF A WASTEWATER COLLECTION, TREATMENT AND DISPOSAL SYSTEM ONLY. RECOMMENDATIONS OF MATERIALS AND METHODS OF CONSTRUCTION TO CORRECT ANY EXISTING SOIL AND/OR GROUNDWATER CONDITIONS IS NOT A PART OF THIS PLAN. RECOMMENDATIONS OF MATERIALS AND METHODS OF CONSTRUCTION AND VERIFICATION OF SOIL CONDITION, IF REQUIRED, SHOULD BE MADE BY A GEOTECHNICAL ENGINEER.
5. V.D.O.T. - THE PERMITTEE SHALL PROVIDE ADEQUATE MEANS OF CLEANING TRUCKS AND/OR OTHER EQUIPMENT OF MUD PRIOR TO ENTERING THE V.D.O.T. RIGHT-OF-WAY, AND IT IS THE PERMITTEE'S RESPONSIBILITY TO CLEAN STREETS AND ALLAY DUST AND TO TAKE WHATEVER MEASURES NECESSARY TO INSURE THAT THE ROAD IS MAINTAINED IN A CLEAN, MUD AND DUST-FREE CONDITION AT ALL TIMES.
6. CONTRACTOR SHALL CONTACT ("MISS UTILITY": 1- 800 -552 -7001). FOR LOCATION OF ALL UNDERGROUND UTILITIES BEFORE COMMENCING ANY EXCAVATION. THE EXACT LOCATION AND DEPTH OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR.
7. IT IS THE INTENT OF THESE DRAWINGS TO SHOW ALL NECESSARY WORK, THE COMPLETION OF WHICH WILL RENDER THE OWNER AN ACCEPTABLE AND APPROVED WASTEWATER TREATMENT AND DISPOSAL SYSTEM IN ACCORDANCE WITHALL VIRGINIA DEPARTMENT OF HEALTH REGULATIONS. ANY ITEM OF WORK NOT SPECIFICALLY SHOWN, BUT NECESSARY FOR SUCH APPROVAL AND ACCEPTANCE, IS HEREBY IMPLIED.
8. SEWAGE TREATMENT AND DISPOSAL SYSTEM LOCATION AND DEPTH SHALL BE VERIFIED BY THE FAUQUIER COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. ENGINEER MAKES NO WARRANTIES AS TO THE SUITABILITY OF SOILS, LOCATION OF DRAINFIELD, DEPTH OF INSTALLATION OF SUITABILITY OF DRAINFIELD SITE FOR USE AS A WASTEWATER DISPOSAL FIELD. APPROVAL OF PLANS AND SPECIFICATIONS FOR THIS SEWAGE TREATMENT AND DISPOSAL SYSTEM INDICATES THAT THE APPROVING AGENCY HAS RESEARCHED ALL APPLICABLE RECORDS REGARDING LOCATION OF ADJACENT POTABLE WELLS AND SEWAGE DISPOSAL SYSTEMS.
9. SUBSURFACE SOIL ABSORPTION SYSTEM SHALL NOT BE CONSTRUCTED OR TRAVERSED DURING PERIODS OF WET WEATHER OR WHEN THE SOIL IS SUFFICIENTLY SATURATED AT THE DEPTH OF INSTALLATION TO EXCEED ITS PLASTIC LIMIT. CONTRACTOR MAY BE REQUIRED TO SCARIFY DRAINFIELD TRENCH BOTTOM AND SIDEWALLS BY HAND TO IMPROVE INFILTRATIVE SURFACE OF TRENCHES. INSTALLATION OF THE DRIP TUBING SHALL BE BY CHAIN TRENCHER ONLY. PLOWING OF DRIP TUBING SHALL NOT BE ALLOWED.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR AND /OR REPLACEMENT, AT HIS OWN EXPENSE, ANY DAMAGES CAUSED BY CONTRACTOR AND HIS AGENTS TO THE EXISTING FACILITIES.



VICINITY MAP SCALE 1" = 2000'

LEGEND

72	EXISTING CONTOUR
70	PROPOSED CONTOUR
· 22.5	EXISTING SPOT ELEVATION
22.5	PROPOSED SPOT ELEVATION
BM	BENCHMARK
	EXISTING TREE

PROJECT CONTACT / OWNER

FAUQUIER COUNTY BOARD OF SUPERVISORS
ATTN : MR. ANTHONY HOOPER
ASSISTANT COUNTY ADMINISTRATOR
40 CULPEPER STREET
WARRENTON, VIRGINIA 20186
PHONE: (540) 347 - 8628

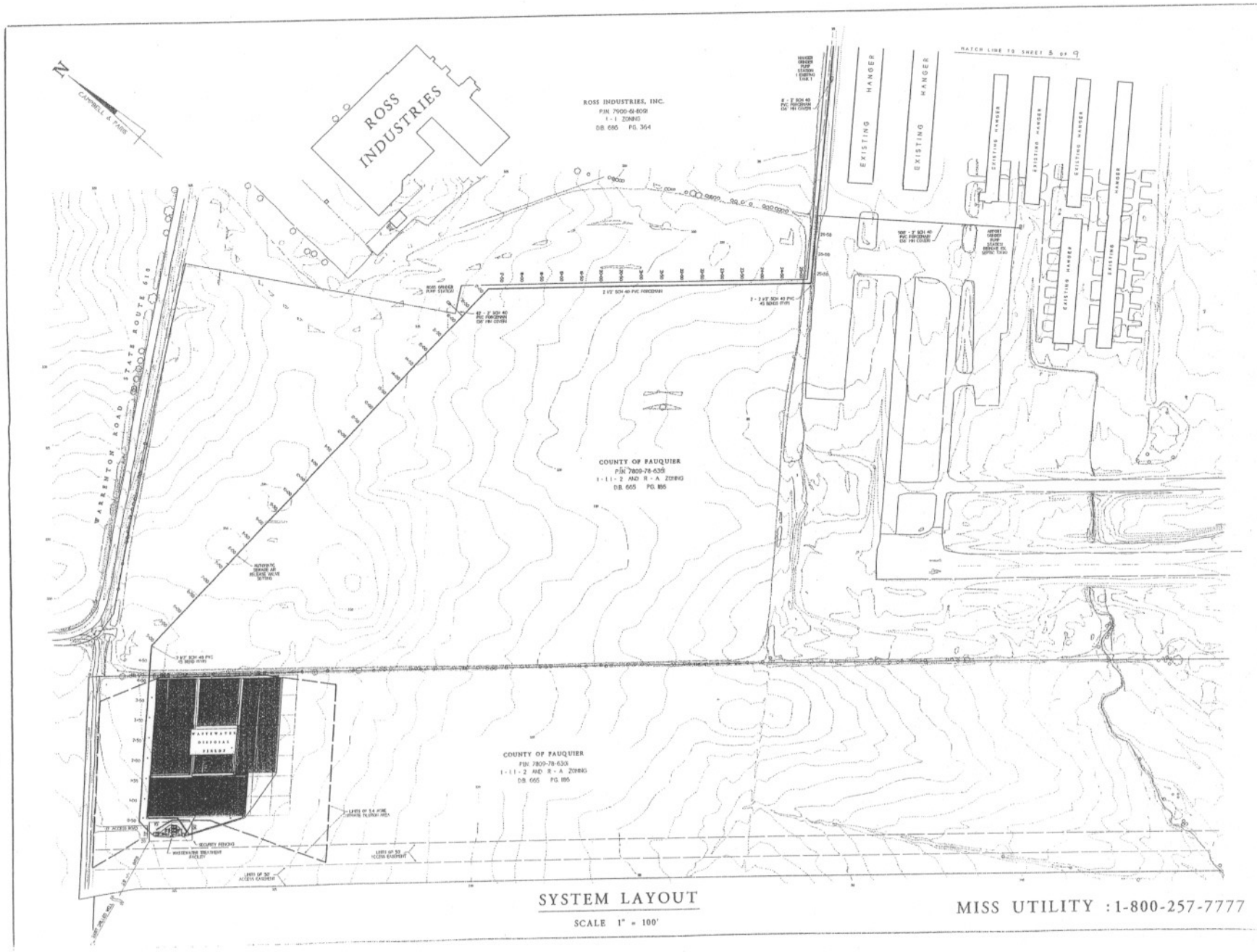
MISS UTILITY : 1-800-257-7777

J. L. HOWETH, P.C.
CONSULTING ENGINEERING
LAND SURVEYING
P. O. BOX 95
LEESBURG, VA.

DATE	DESCRIPTION	APPD.

COMMONWEALTH OF VIRGINIA
JEFFREY L. HOWETH
No. 23387
10/13
PROFESSIONAL ENGINEER

INSTALLATION
SEWAGE SYSTEM
FAUQUIER AIRPORT



SYSTEM LAYOUT

SCALE 1" = 100'

MISS UTILITY : 1-800-257-7777

JOB NO.

SHEET 2 OF 9

J. L. HOWETH, P.C.
CONSULTING ENGINEERING
LAND SURVEYING
P. O. BOX 1684
TAPPAHANNOCK, VIRGINIA 22560
TELEPHONE: 804-443-6367

DATE	DESCRIPTION	APPD.

COMMONWEALTH OF VIRGINIA
JEFFREY L. HOWETH
No. 22337
10/7/03
PROFESSIONAL ENGINEER

WASTEWATER TREATMENT AND DISPOSAL SYSTEM

FAUQUIER AIRPORT

CEDAR RUN MAGISTERIAL DISTRICT
FAUQUIER COUNTY, VIRGINIA

SCALE: 1" = 30' | DECEMBER 1, 2000 | DRAWN BY: JLH

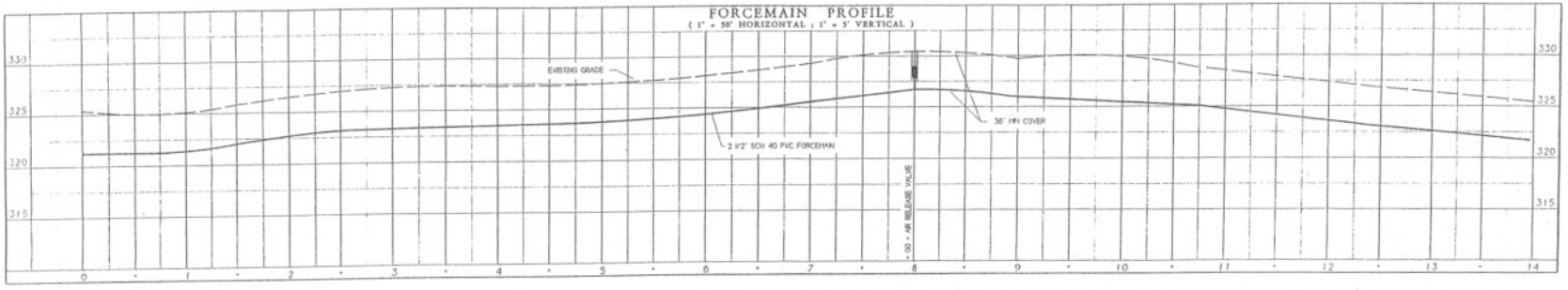
UNAUTHORIZED USE OF DOCUMENTS PROHIBITED

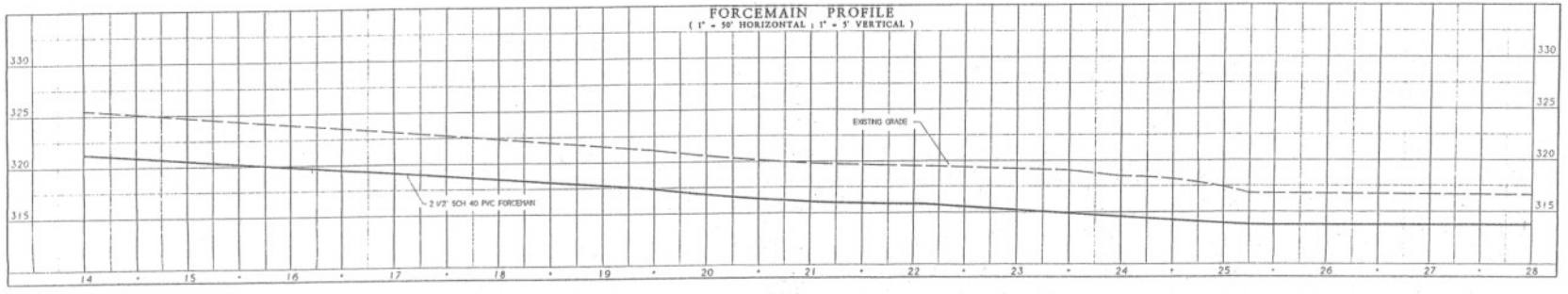
SYSTEM LAYOUT

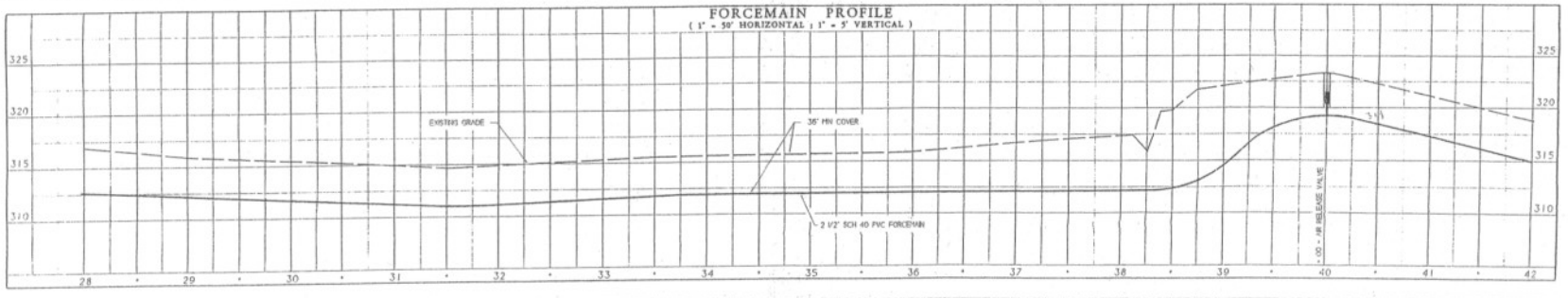
SCALE 1" = 100'

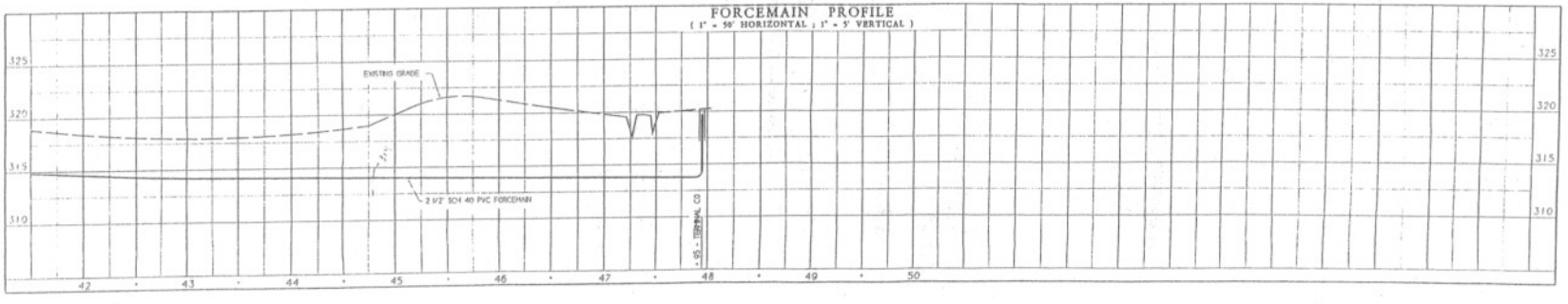
MISS UTILITY : 1-800-552-7001

WASTEWATER TREATMENT AND DISPOSAL SYSTEM		DATE	DESCRIPTION	APPD.	J. L. HOWETH, P.C.	JOB NO.
FAUQUIER AIRPORT					CONSULTING ENGINEERING LAND SURVEYING	SHEET 3 OF 7
CEDAR RUN MAGISTERIAL DISTRICT FAUQUIER COUNTY, VIRGINIA					P. O. BOX 1684	
SCALE : 1" = 50'	DECEMBER 4, 2000	DRAWN BY: JLH			TAPPAHANNOCK, VIRGINIA 22560	
UNAUTHORIZED USE OF DOCUMENTS PROHIBITED		10/7/03	VEH REVISIONS	JLH	TELEPHONE: 804-443-6367	









JOB NO.

SHEET 4 OF 9

J. L. HOWETH, P.C.
CONSULTING ENGINEERING
LAND SURVEYING
P. O. BOX 1684
TAPPAHANNOCK, VIRGINIA 22560
TELEPHONE: 804-443-6367

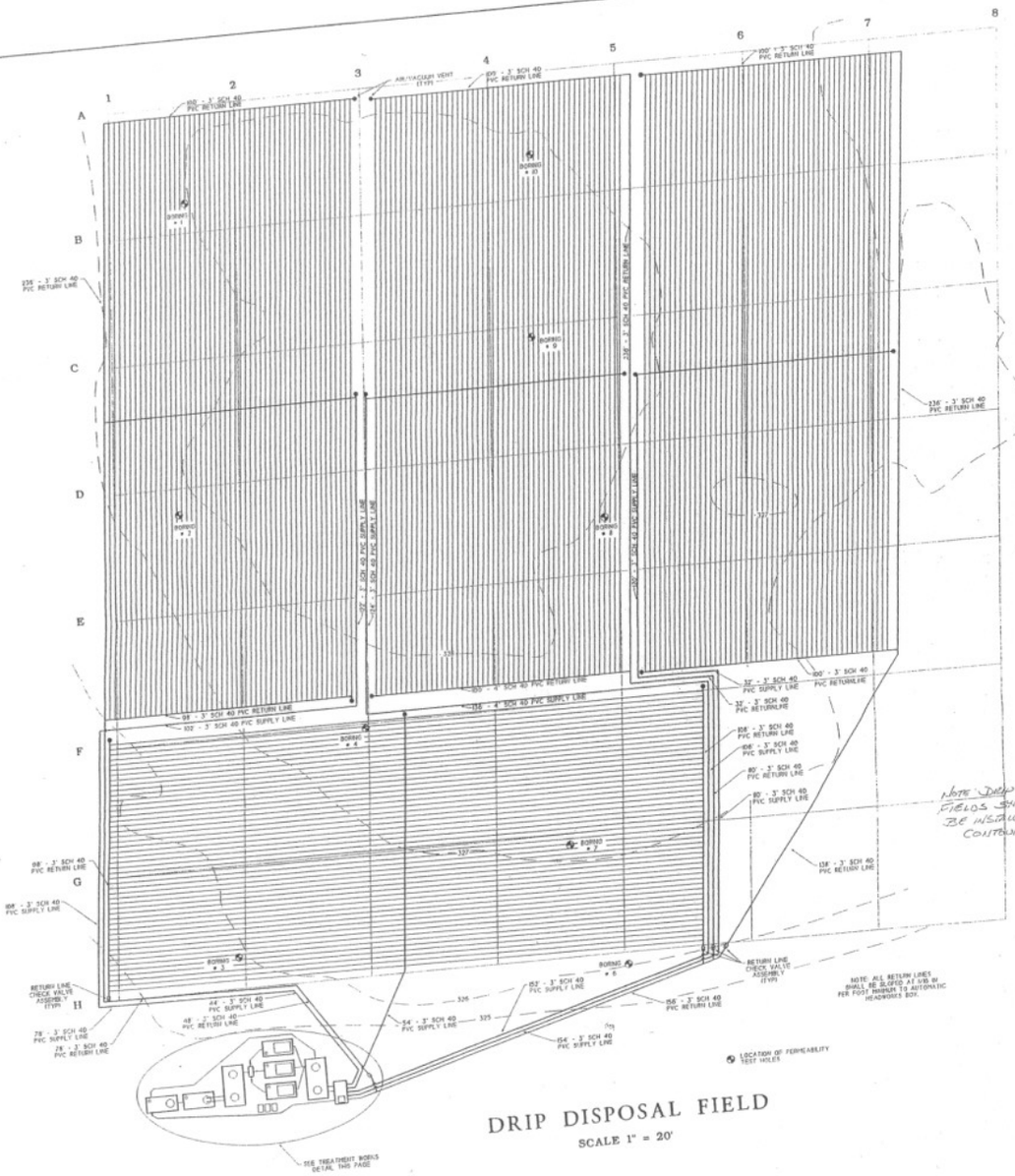
DATE	DESCRIPTION	APPD.

WASTEWATER TREATMENT AND DISPOSAL SYSTEM
FAUQUIER AIRPORT

CEDAR RUN MAGISTERIAL DISTRICT
FAUQUIER COUNTY, VIRGINIA

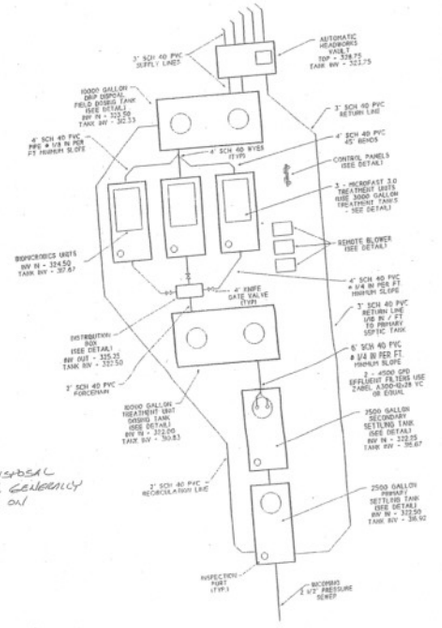
SCALE 1" = 50' | DECEMBER 4, 2000 | DRAWN BY: JLH

UNAUTHORIZED USE OF DOCUMENTS PROHIBITED



DRIP DISPOSAL FIELD

SCALE 1" = 20'



TREATMENT WORKS LAYOUT

NO SCALE

MISS UTILITY : 1-800-257-7777

JOB NO.

SHEET 3 OF 7

J. L. HOWETH, P.C.
CONSULTING ENGINEERING
LAND SURVEYING
P. O. BOX 1684
TAPPAHANNOCK, VIRGINIA 22560
TELEPHONE: 804-443-6367

DATE	DESCRIPTION	APPD.

COMMONWEALTH OF VIRGINIA
JAMES L. HOWETH
LICENSED PROFESSIONAL ENGINEER
No. 22341
10/7/03

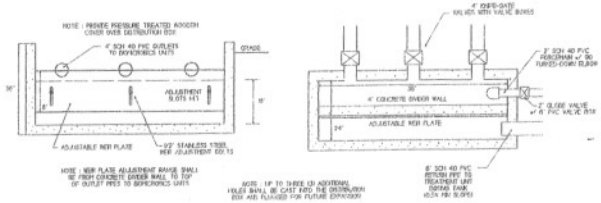
WASTEWATER TREATMENT AND DISPOSAL SYSTEM

FAUQUIER AIRPORT

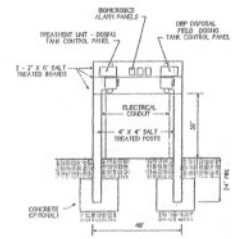
CEDAR RUN MAGISTERIAL DISTRICT
FAUQUIER COUNTY, VIRGINIA

SCALE: AS NOTED | DECEMBER 15, 2003 | DRAWN BY: JLH

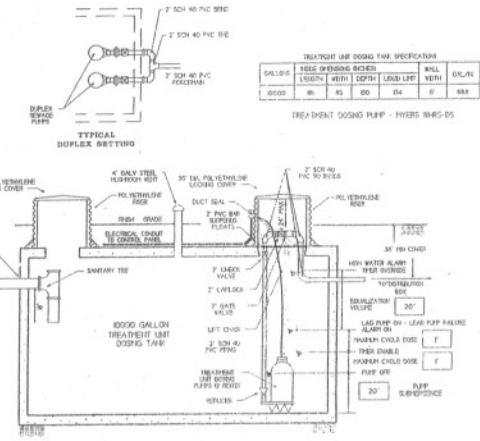
UNAUTHORIZED USE OF DOCUMENTS PROHIBITED



DETAIL
DISTRIBUTION BOX
(NO SCALE)



DETAIL
CONTROL PANEL FRAME
(NO SCALE)



TYPICAL DUPLEX SETTING

TREATMENT UNIT DOSING TANK SPECIFICATIONS

GALLONS	INSIDE DIMENSIONS (INCHES)				WALL WIDTH	GAL/IN
	LENGTH	WIDTH	DEPTH	LIQUID LIMIT		
10000	181	85	150	134	6"	688

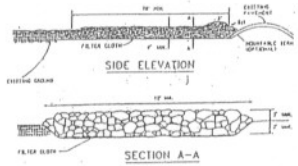
TREATMENT DOSING PUMP - MYERS WHRS-DS

10000 GALLON TREATMENT UNIT DOSING TANK

TREATMENT UNIT DOSING TANK DETAIL
(NO SCALE)

SERVICE CHECK VALVE ASSEMBLY
(NO SCALE)

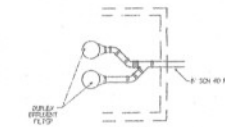
RETURN LINE CHECK VALVE ASSEMBLY
(NO SCALE)



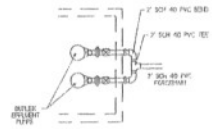
SIDE ELEVATION

SECTION A-A

DETAIL
CONSTRUCTION ENTRANCE
(NO SCALE)



TYPICAL DUPLEX FILTER SETTING



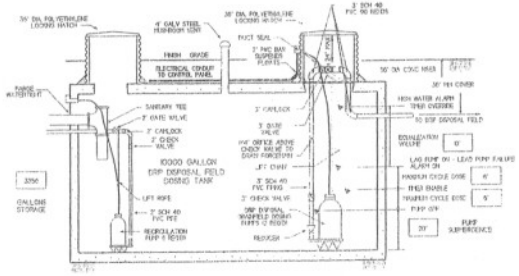
TYPICAL DUPLEX SETTING

DRIP DISPOSAL FIELD DOSING TANK SPECIFICATIONS

GALLONS	INSIDE DIMENSIONS (INCHES)				WALL WIDTH	GAL/IN
	LENGTH	WIDTH	DEPTH	LIQUID LIMIT		
10000	181	85	150	134	6"	688

DRIP DISPOSAL FIELD DOSING PUMP - ZOELLER G-89 (2 HP) (NO SUBSTITUTIONS ALLOWED)

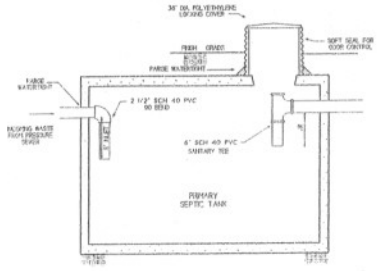
RECIRCULATION PUMP - MYERS WHRS-DS



DRIP DISPOSAL FIELD DOSING TANK
(NO SCALE)

PRIMARY SEPTIC TANK SPECIFICATIONS

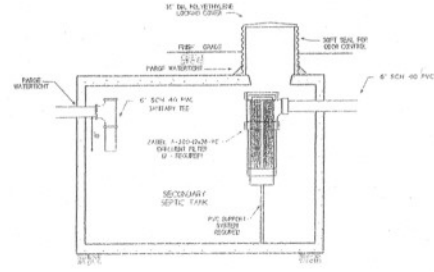
GALLONS	INSIDE DIMENSIONS (INCHES)				WALL WIDTH	GAL/IN
	LENGTH	WIDTH	DEPTH	LIQUID LIMIT		
2500	136	63	79	67	4	371



PRIMARY SEPTIC TANK
(NO SCALE)

SECONDARY SEPTIC TANK SPECIFICATIONS

GALLONS	INSIDE DIMENSIONS (INCHES)				WALL WIDTH	GAL/IN
	LENGTH	WIDTH	DEPTH	LIQUID LIMIT		
2500	136	63	79	67	4	371



SECONDARY SEPTIC TANK
(NO SCALE)

MISS UTILITY : 1-800-257-7777

JOB NO.
SHEET 6 OF 1

J. L. HOWETH, P.C.
CONSULTING ENGINEERING
LAND SURVEYING
P. O. BOX 1684
TAPPAHANNOCK, VIRGINIA 22560
TELEPHONE: 804-443-6367

DATE	DESCRIPTION	APPD.

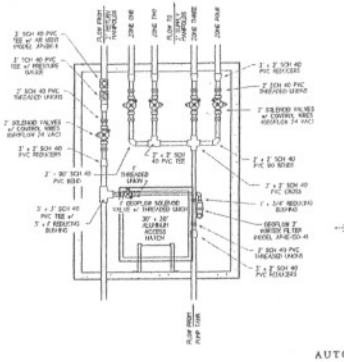
COMMONWEALTH OF VIRGINIA
JEFFREY L. HOWETH
No. 22560
10/7/03
PROFESSIONAL ENGINEER

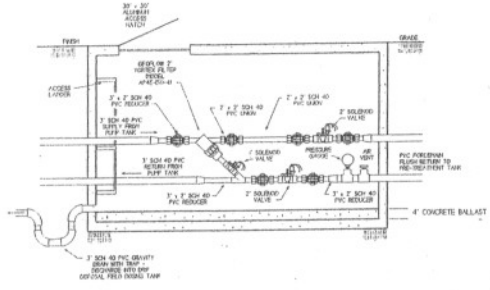
WASTEWATER TREATMENT AND DISPOSAL SYSTEM
FAUQUIER AIRPORT
CEDAR RUN MAGISTERIAL DISTRICT
FAUQUIER COUNTY, VIRGINIA

AS NOTED | DECEMBER 15, 2002 | DRAWN BY: JLH
UNAUTHORIZED USE OF DOCUMENTS PROHIBITED

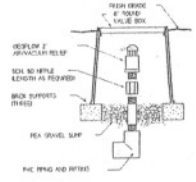
AUTOMATIC HEADWORKS VAULT SPECIFICATIONS

GALLONS	INSIDE DIMENSIONS (INCHES)				WALL	GAL/IN
	LENGTH	WIDTH	DEPTH	LIQUID LEVEL	WIDTH	
1000	93	56	63	48	2.5"	22.57

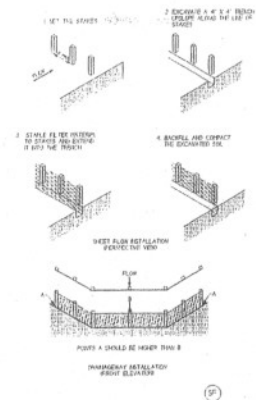




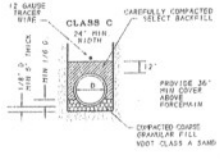
DETAIL
AUTOMATIC HEADWORKS VAULT
NO SCALE



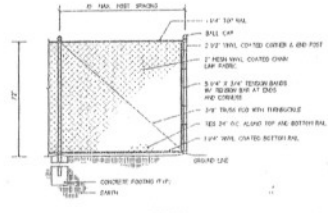
DETAIL
AIR - / VACUUM RELIEF VALVE
NO SCALE



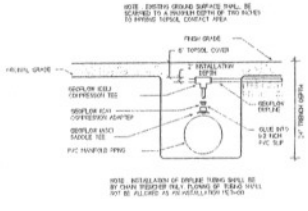
DETAIL
SILT FENCE
NO SCALE



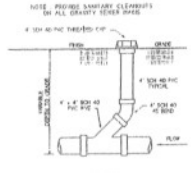
DETAIL
FORCEMAIN BEDDING
NO SCALE



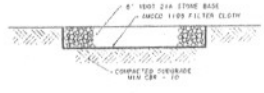
DETAIL
SECURITY FENCE
NO SCALE



DETAIL
DRIPLINE TUBING INSTALLATION
NO SCALE



DETAIL
SANITARY CLEANOUT
NO SCALE

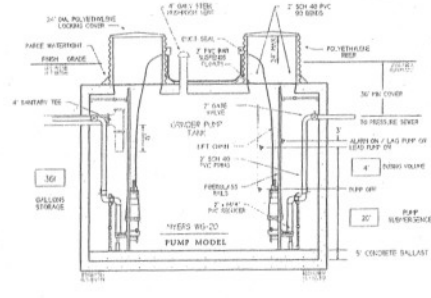


TYPICAL SECTION
GRAVEL SURFACING
NO SCALE

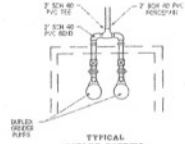
THRUST BLOCK DETAILS
NOT TO SCALE

GRINDER PUMP TANK SPECIFICATIONS

GALLONS	INSIDE DIMENSIONS (INCHES)				WALL	GAL/IN
	LENGTH	WIDTH	DEPTH	LIQUID LEVEL	WIDTH	
1000	93	56	63	48	2.5"	22.57



DETAIL
GRINDER PUMP TANK DETAIL
NO SCALE



TYPICAL
DUPLEX SETTING

MISS UTILITY : 1-800-257-7777

JOB NO.
SHEET 7 OF 7

J. L. HOWETH, P.C.
CONSULTING ENGINEERING
LAND SURVEYING
P. O. BOX 1684
TAPPAHANNOCK, VIRGINIA 22560
TELEPHONE: 804-443-6367

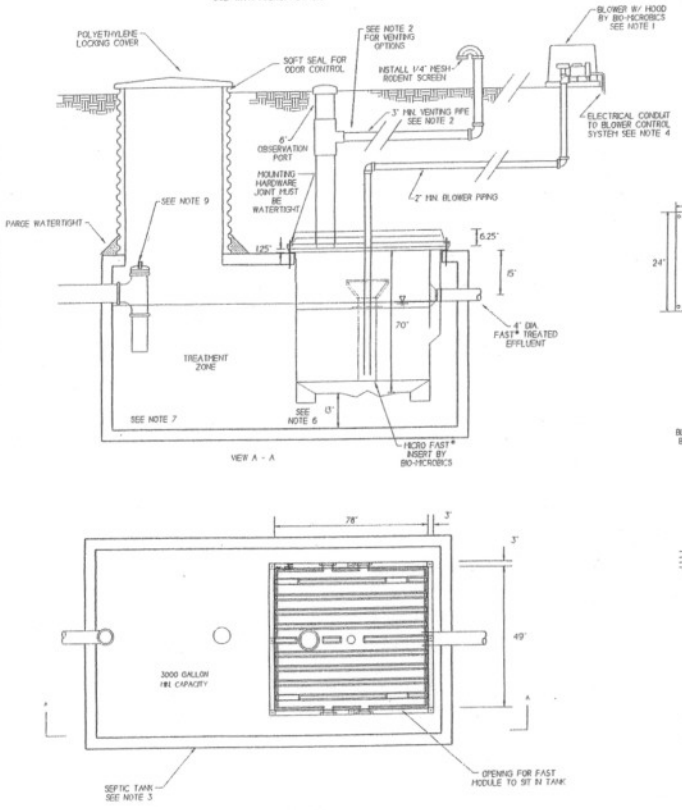
DATE	DESCRIPTION	APPD.

WASTEWATER TREATMENT AND DISPOSAL SYSTEM
FAUQUIER AIRPORT
CEDAR RUN MAGISTERIAL DISTRICT
FAUQUIER COUNTY, VIRGINIA
SCALE: AS NOTED | DECEMBER 15, 2002 | DRAWN BY: JLH
UNAUTHORIZED USE OF DOCUMENTS PROHIBITED

BIOMICROBICS NITRIFAST 3.0 TANK SPECIFICATIONS

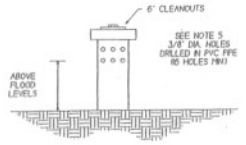
LOCATION	GALLONS	INSIDE DIMENSIONS (INCHES)				WALL WIDTH	GAL/IN
		LENGTH	WIDTH	DEPTH	LIQUID LIMIT		
PROCESSING TANK	3000	135	61	94	82	5	35.4

* TANK BY HANOVER MATERIALS OR EQUAL
TANK MUST BE APPROVED BY BIOMICROBICS FOR USE WITH MICROFAST 3.0

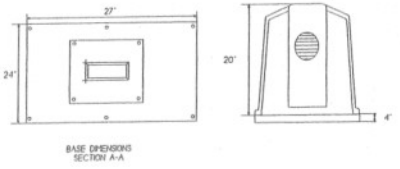


DETAIL
NITRI FAST 3.0
(NO SCALE)

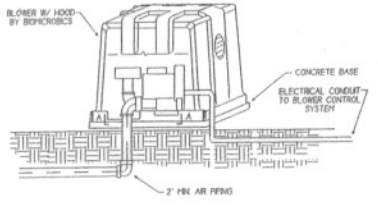
1. BLOWER MUST BE WITHIN 100 FEET (30.5M) OF FAST UNIT. FOR DISTANCES GREATER THAN 100 FEET -- CONSULT FACTORY. BLOWER BASE MUST BE LOCATED ABOVE NORMAL FLOOD LEVELS.
2. RUN VENT TO DESIRED LOCATION AND COVER OPENING WITH 1/4" MESH RODENT SCREEN OR:
   CAP PIPES WITH 6" CLEANOUT. DRILL 15 HOLES MIN IN 6" PIPE JUST UNDER PVC PIPE CAP. SEE ADDITIONAL VIEWS.
   NOTE: ODORS MAY BE PRESENT -- SEE MANUAL.
3. ALL APPURTENANCES TO FAST (e.g. SEPTIC TANK, PUMPOUTS, ETC.) MUST CONFORM TO ALL COUNTRY, STATE, PROVINCE, AND LOCAL CODES.
4. BLOWER CONTROL SYSTEM BY BIO-MICROBICS, INC.
5. COPYRIGHT (C) 2003 BIO-MICROBICS, INC.
6. MUST INCREASE TANK SIZE BY 20% IF MINIMUM OF 10 INCHES IS USED BETWEEN THE UNIT AND THE BASE OF TANK. CONSULT FACTORY FOR APPROVAL.
7. THE PRIMARY COMPARTMENT MAY BE A SEPARATE TANK.
8. FOUR LEG EXTENSIONS MAY BE USED TO STAND UNIT IN TANK ELIMINATING NEED FOR LID. SEE ADDITIONAL VIEWS AND REFER TO INSTALLATION MANUAL FOR MORE DETAILS.
9. THE INFLUENT PIPE TEE SHALL BE FITTED WITH A PIPE CAP OR BAFFLE THAT SEPARATES THE TWO ZONES NEEDS TO EXTEND ALL THE WAY TO THE TOP OF THE CONCRETE TANK. IF THE PIPE CAP OPTION IS CHOSEN THE BAFFLE MUST EXTEND PAST THE WATER LEVEL, AT LEAST THREE INCHES AS SHOWN IN THE DRAWING.



VENTING OPTION
(NO SCALE)



BASE DIMENSIONS
SECTION A-A



BLOWER DIMENSIONS
(NO SCALE)

NOTES

1. SECURE ORIGINAL 7" X 7" FOOT TO LEG EXTENSION BY PLACING TWO (2) SCREWS IN EACH SIDE OF THE LEG EXTENSION. EIGHT (8) SCREWS PER FOOT ARE INCLUDED AND SHOULD BE USED ON EACH OF THE FOUR (4) CORNER LEG EXTENSIONS.
2. ANCHOR THE LEG EXTENSIONS (4 CORNER LEGS ONLY) TO THE BASE OF THE TANK. PLACE BOLTS AT OPPOSITE CORNERS OF THE LEG EXTENSION BASE.
3. TO ELONGATE FOOT PAST THE PROVIDED 12", CUT THE 3.9" LEG EXTENSION IN THE CENTER INTO TWO SEPARATE PIECES. THEN CUT A SCH 40 PVC PIPE TO THE DESIRED LENGTH AND SLIP THE PIPE OVER THE TOP AND BOTTOM CUT SECTIONS OF THE LEG EXTENSIONS.
4. ATTACH PIPES WITH STAINLESS STEEL SCREWS.
5. ACCESS PORTS MAY BE USED AS VENT. CAP PIPES WITH 6" PVC CLEANOUT. DRILL A PAN OF 15 HOLES IN 6" PIPE JUST BELOW THE PVC CAP OR IN THE CAP.

Specifications For NitriFAST 3.0 Wastewater Treatment System

1. GENERAL
The contractor shall furnish and install (1) NitriFAST 3.0 treatment system as manufactured by Bio-Microbics, Inc. The treatment system shall be complete with all needed equipment as shown on the drawings and specified herein.

The principal items of equipment shall include FAST System insert, insert lid (or leg extensions if that option is chosen), blower assembly, blower controls and alarms. The NitriFAST 3.0 unit shall be situated within a 3250 Gallon minimum tank, as shown on the plans. Tank(s) must conform to local, state, and all other applicable codes. The contractor shall provide coordination between the FAST system and tank supplier with regard to fabrication of the tank, installation of the FAST unit and delivery to the job site.

2. OPERATING CONDITIONS
The NitriFAST 3.0 treatment system shall be capable of treating the wastewater produced by typical family activities (bath, laundry, kitchen, etc.) ranging from (01) ten to (42) forty-two persons and up to 3,000 US Gallons per day.

3. MEDIA
The FAST media shall be manufactured of rigid PVC or polyethylene and it shall be supported by the polyethylene insert. The media shall be of such a design that bacterial growth is uniform over all media surfaces. The media shall be fixed in position and contain no moving or wearing parts and shall not corrode. The media shall be designed and installed to ensure that sloughed solids immediately descend through the media to the bottom of the septic tank.

4. BLOWER
The NitroFAST 3.0 unit shall come equipped with a regenerative type blower capable of delivering 44-80 CFM. The blower assembly shall include an inlet filter with metal filter element.

5. REMOTE MOUNTED BLOWER
The blower shall be mounted remote, up to 100 feet (30.5 M) maximum, from the NitriFAST unit on a contractor supplied concrete base. The blower elevation must be higher than the normal flood level. A one-piece, rectangular housing shall be provided with tamper-proof screws. The discharge air line from the blower to the NitriFAST shall be provided and installed by the contractor.

6. ELECTRICAL
The treatment system shall be designed to operate on standard current. The input power required for the blower is 230 Volts, Single Phase, 60/50 Hertz, 10.4 Full Load Amps (Locked Rotor Amps are 49). All conduit and wiring between the electrical control panel, the power supply, and the blower shall be furnished and installed by the contractor.

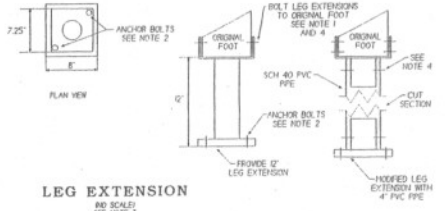
7. ALARMS
The alarm system shall consist of a visual and audible alarm to indicate loss of power to the blower. The alarm shall be located as shown on the plans. A manual silence switch is included.

8. INSTALLATION AND OPERATING INSTRUCTIONS
Installation of the NitriFAST 3.0 shall be done in accordance with the written instructions provided by the manufacturer. Operation manuals shall be furnished which will include a description of installation, operation, and system maintenance procedures. There shall be a separate manual for the installer, service provider, and owner, tailored to each.

9. WARRANTY
The manufacturer of the NitriFAST 3.0 treatment system shall warrant for three years from the date of shipment or two years form the date of start-up, whichever occurs first, that the equipment they provide will be free from defects in material and workmanship.

In the event a mechanical component fails to perform as specified or is proven defective in service during the warranty period, the manufacturer shall repair or replace such defective parts. (Cost of labor on repair/replacement is not covered under this warranty.) The replacement or repair of those items normally consumed in service such as air filter, etc., shall be considered as part of routine maintenance and upkeep.

It is not intended that the manufacturer assume responsibility for contingent liabilities or consequential damages of any nature resulting from defects in design, material or workmanship, or delays in delivery, replacement, or otherwise.



LEG EXTENSION
(NO SCALE)
SEE NOTE 3

MISS UTILITY :1-800-257-7777

JOB NO.
SHEET 8 OF

J. L. HOWETH, P.C.
CONSULTING ENGINEERING
LAND SURVEYING
P. O. BOX 1684
TAPPAHANNOCK, VIRGINIA 22560
TELEPHONE: 804-443-6367

DATE	DESCRIPTION	APPD.

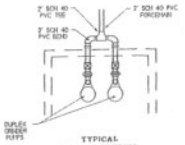
COMMONWEALTH OF VIRGINIA
JOHN L. HOWETH
No. 21317
10/7/02
PROFESSIONAL ENGINEER

WASTEWATER TREATMENT AND DISPOSAL SYSTEM
FAUQUIER AIRPORT
CEDAR RUN MAGISTERIAL DISTRICT
FAUQUIER COUNTY, VIRGINIA

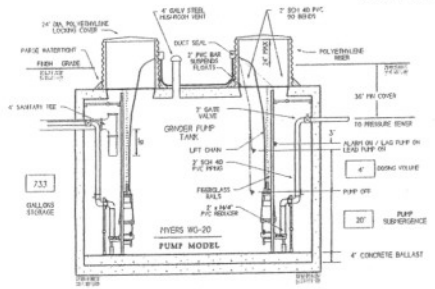
SCALE: AS NOTED | DECEMBER 15, 2003 | DRAWN BY: JLH
UNAUTHORIZED USE OF DOCUMENTS PROHIBITED

GRINDER PUMP TANK SPECIFICATIONS

GALLONS	INSIDE DIMENSIONS (INCHES)					BALL WEIGHT	GAL/IN
	LENGTH	WIDTH	DEPTH	LIQUID LIMIT			
1500	80	57	73	58	2.5"	27.8	



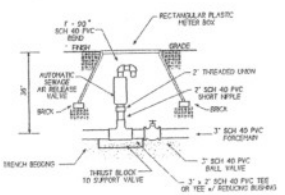
TYPICAL DUPLEX SETTING



(ROSS INDUSTRIES ONLY)

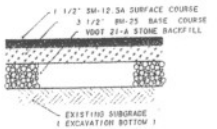
GRINDER PUMP TANK DETAIL

NO SCALE



AUTOMATIC AIR RELEASE VALVE

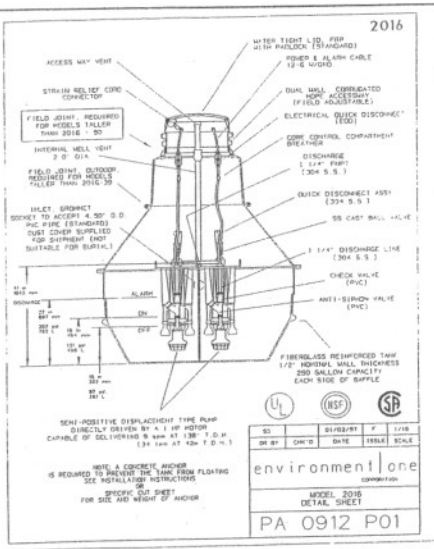
NO SCALE

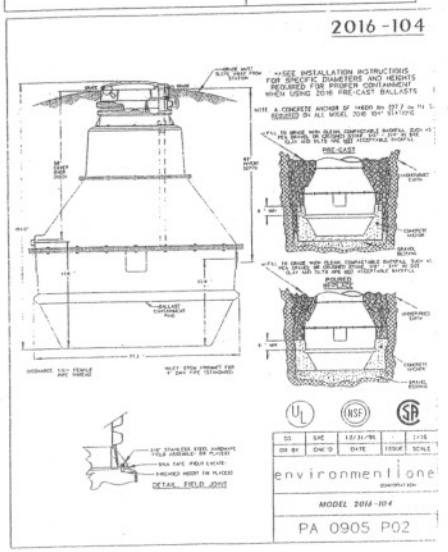


TYPICAL SECTION

AIRSTRIP ASPHALT PAVEMENT RESTORATION

NO SCALE

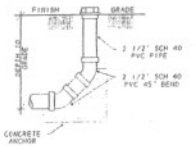




PACKAGE GRINDER PUMP DETAIL

(BID AS ALTERNATE TO GRINDER PUMP TANKS)

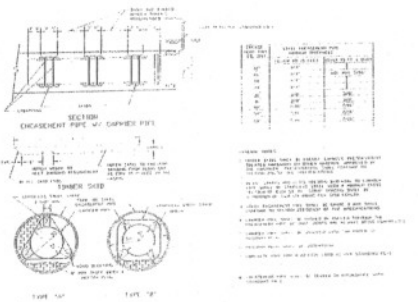
NO SCALE



DETAIL

TERMINAL FORCEMAIN CLEANOUT

NO SCALE



DETAIL

ENCASED PIPE CROSSING

NO SCALE

MISS UTILITY : 1-800-257-7777

JOB NO.

SHEET 9 OF 9

J. L. HOWETH, P.C.
CONSULTING ENGINEERING
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TAPPAHANNOCK, VIRGINIA 22560
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PROFESSIONAL ENGINEER

WASTEWATER TREATMENT AND DISPOSAL SYSTEM
FAUQUIER AIRPORT

CEDAR RUN MAGISTERIAL DISTRICT
FAUQUIER COUNTY, VIRGINIA

SCALE : AS NOTED | DECEMBER 15, 2002 | DRAWN BY: JLH

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