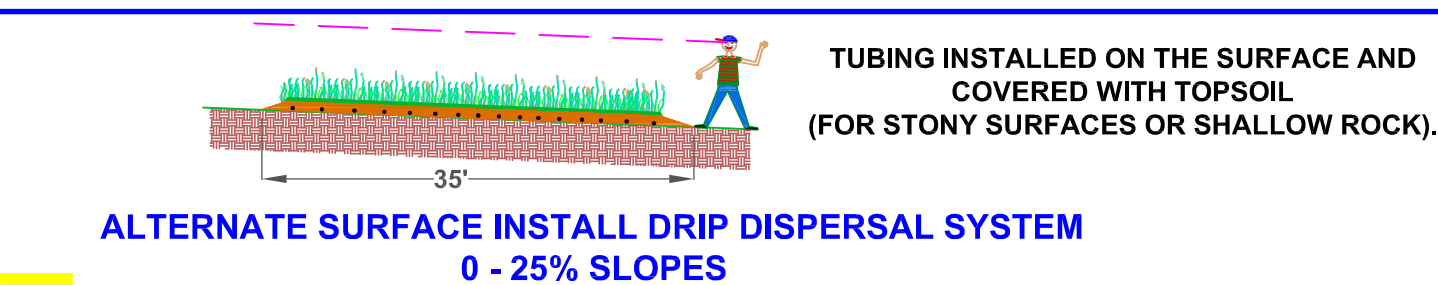
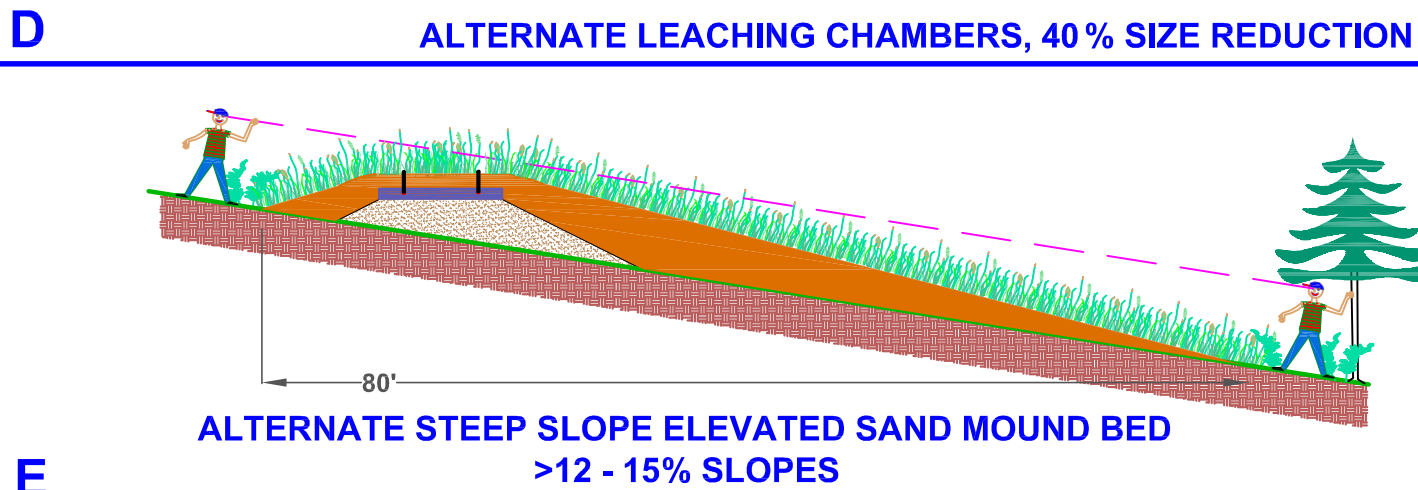
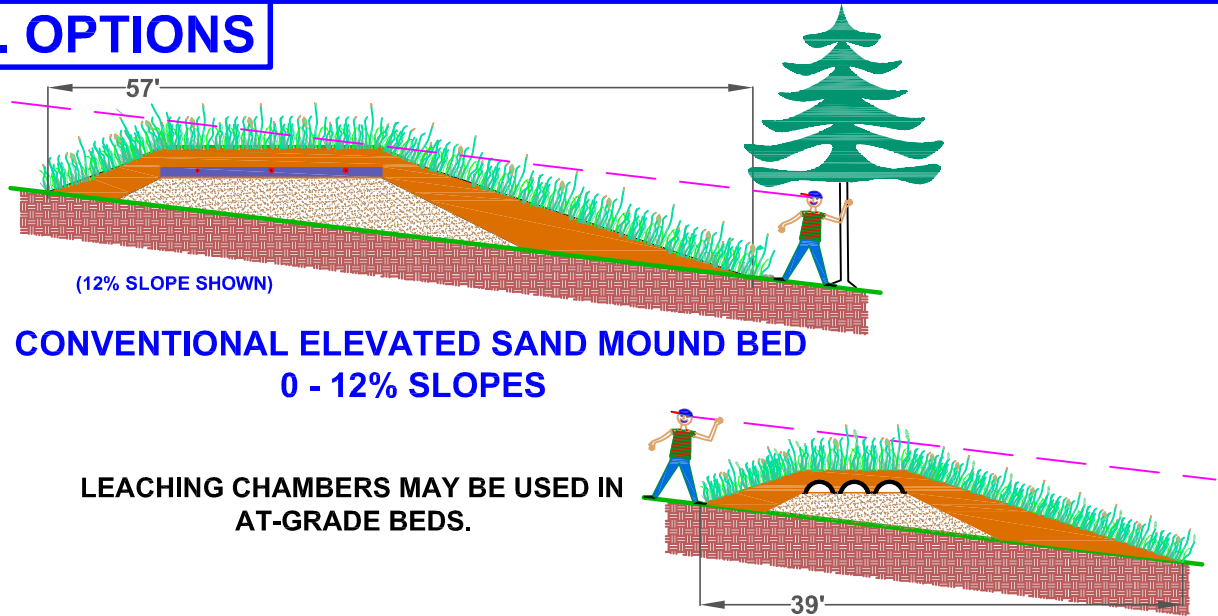
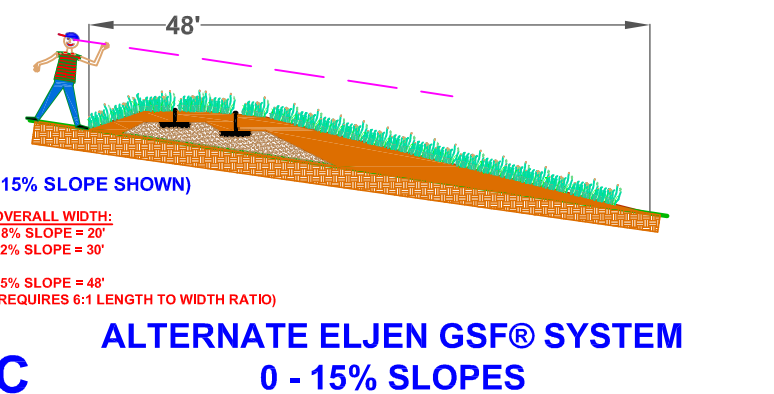
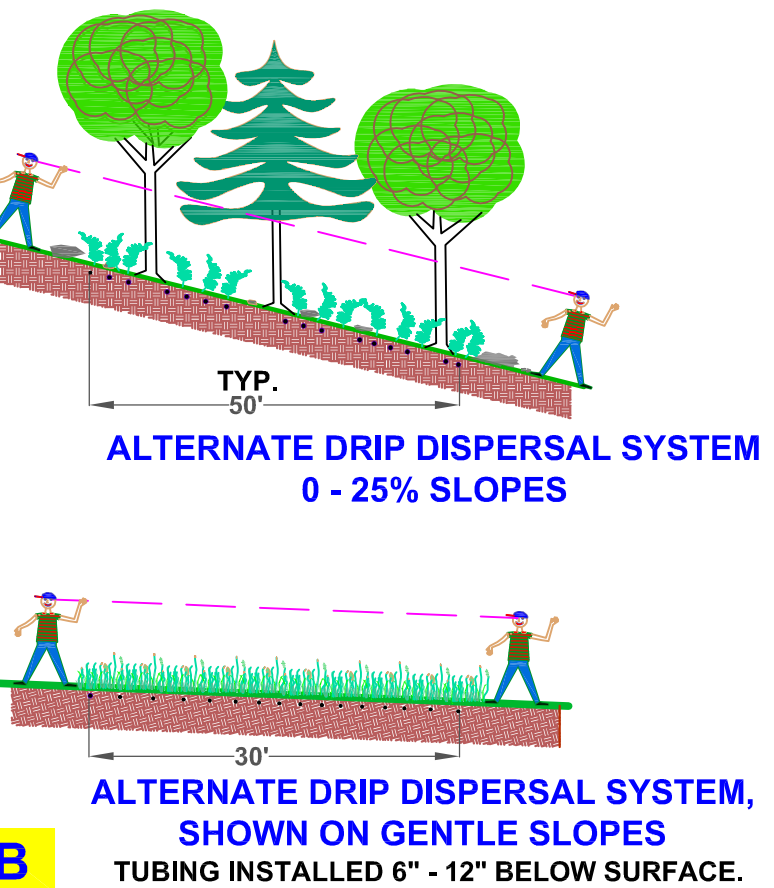
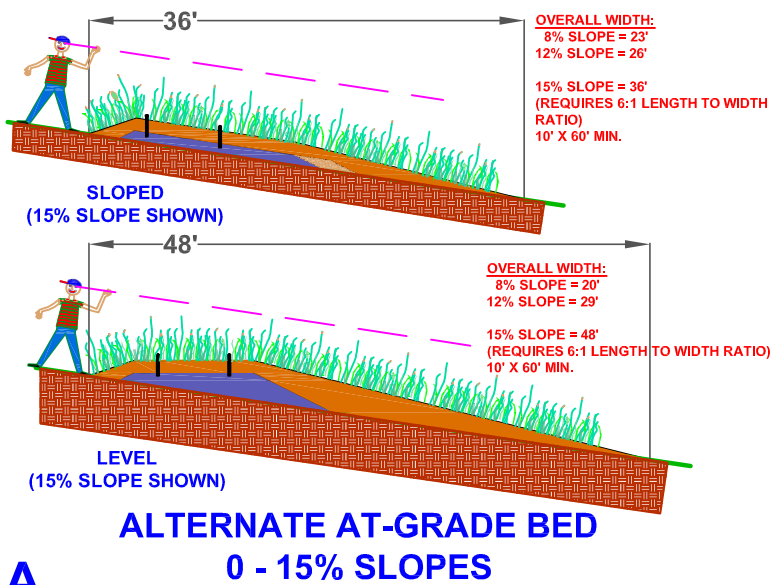
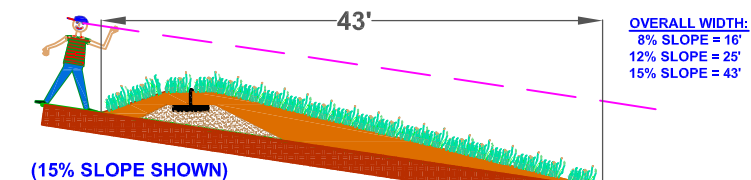
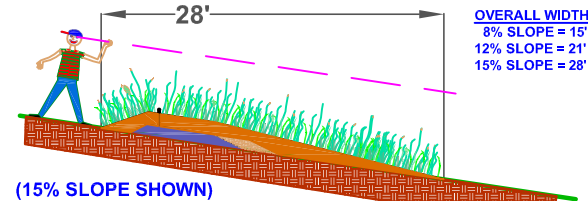
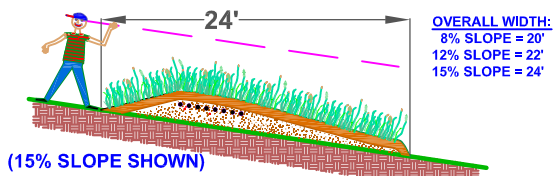


MIN. 20" TO L.Z. OPTIONS



ALTERNATE ONLOT ABSORPTION AREA TYPES, COMPARED WITH ELEVATED SAND MOUND BEDS	SOIL SCIENTIST REPORT REQUIRED. NO PERC TEST.										X REQUIRED
	Slope Range (%)	Min. Depth to SHWT (inches)	Min. Depth to Bedrock (inches)	Perc Test Range (min/inch)	Bed Timed Dosed	Septic Tank	ATU or Equiv.	Dose Tank	"Advanced" Treatment See NOTE 2	Leaching Chambers	
Conventional Elevated Sand Mound Bed (ESMB)	0 - 12	20	20	3 to 180		X	†	X	o	•	X
Alternate Steep Slope ESMB	>12 - 15	20	20	3 to 30		X		X			X
At-Grade Absorption Area ††	0 - 15	20	20	3 to 180		X		X	X, o	•	
At-Grade Absorption Area ††	0 - 15	48	48	3 to 180		X		X	o	•	
Eljen GSF® System >= 20" to LZ o	0 - 15	20	20	3 to 180	X	X		X			X
Drip Dispersal, Primary	0 - 25	** 24	** 24	no test	X	X		X			
Drip Dispersal, Secondary (ATU)	0 - 25	* 20	* 20	no test	X		X				
Drip Micro Mound	0 - 15	10	16	no test	X	X		X			X
Shallow LZ At-Grade Absorption Area	0 - 15	10	16	no test		X		X	X		
Shallow LZ Eljen GSF®	0 - 15	10	16	no test	X	X		X			X
It is strongly recommended that ALL systems have annual maintenance. Some systems REQUIRE annual maintenance. Some system components require more frequent maintenance. Refer to manufacturers' requirements.											NOTE 1: UV DISINFECTION FOR SHALLOW LZ SYSTEMS IS OPTIONAL
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10" - 19" TO SHWT, >16" TO ROCK OPTIONS



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LEGEND

- COVER SOIL
- AGGREGATE
- SAND
- EARTH
- EYE LEVEL

Typical sizes shown. Not to scale.

ALTERNATE SEWAGE SYSTEM DESIGN CHOICES in Pennsylvania 2020

SOIL SERVICES COMPANY, INC.

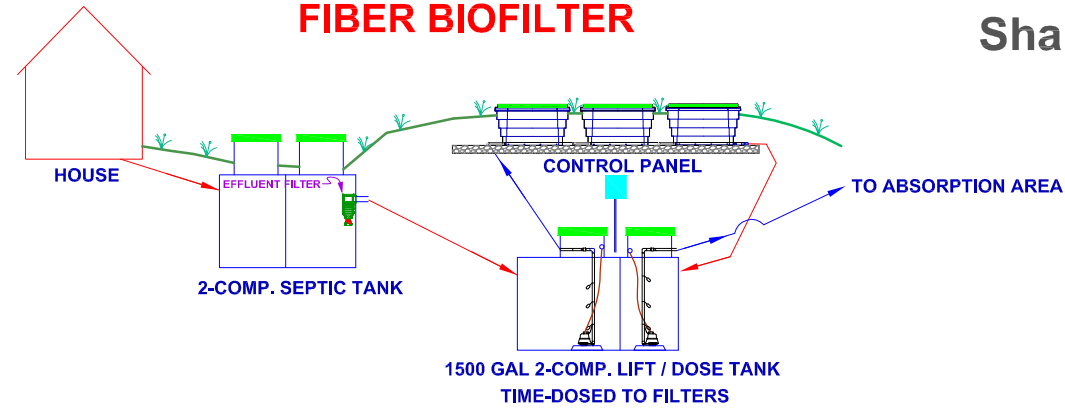
5804 ROUTE 87
FORKSVILLE, PA 18616
PHONE: 570-896-0055

www.SoilServicesCompany.com

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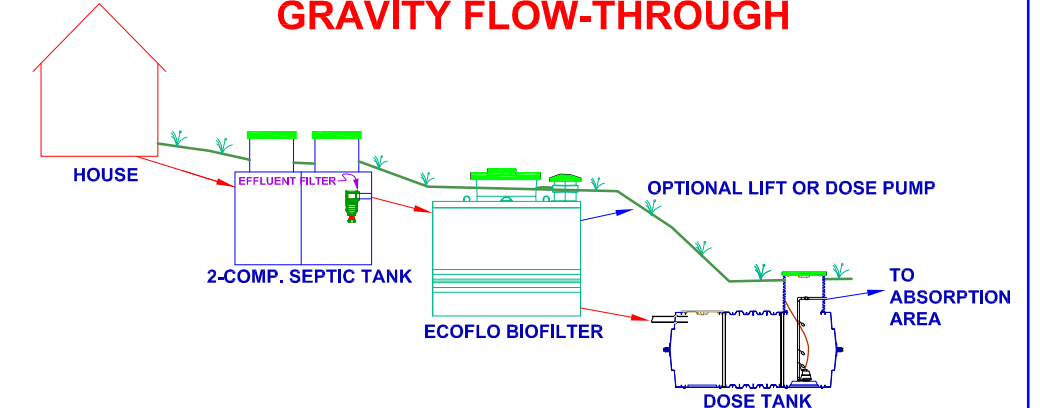
Advanced Pre-Treatment Options for At-Grade Absorption Areas & Shallow Limiting Zone At-Grade Absorption Areas

ANUA PURAFLO PEAT FIBER BIOFILTER



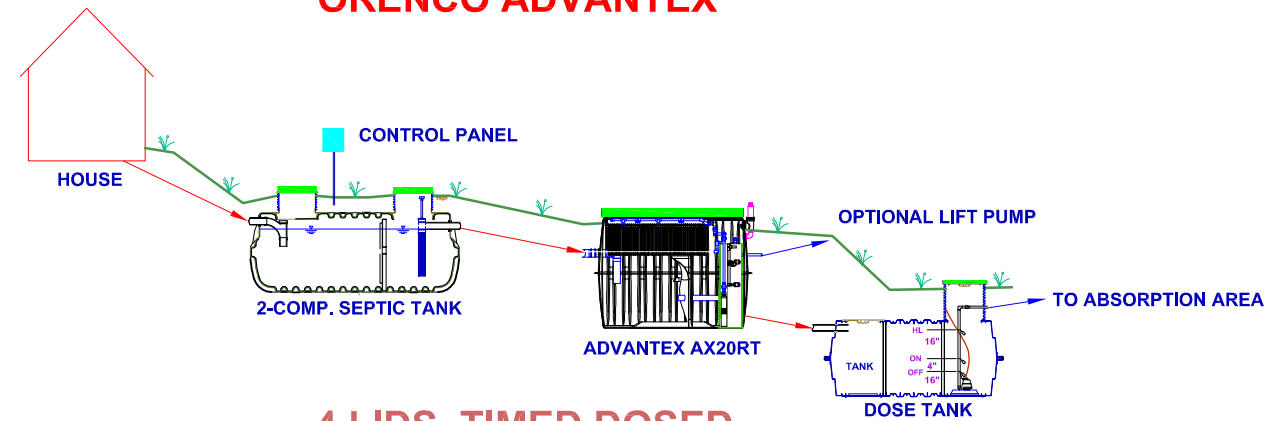
7 LIDS, TIMED DOSED
Annual O&M

PREMIERTECH AQUA ECOFLO BIOFILTER GRAVITY FLOW-THROUGH



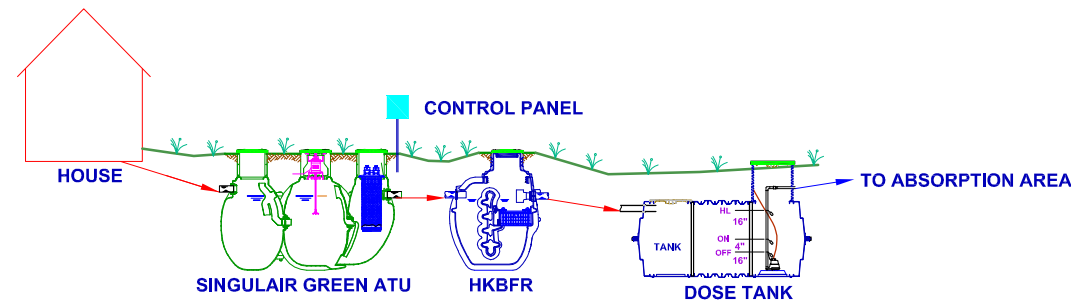
5 LIDS, DEMAND DOSED
Annual O&M

ORENCO ADVANTEX



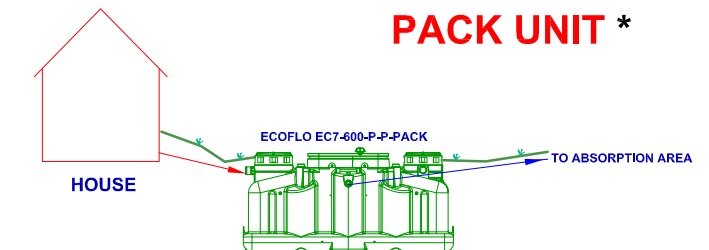
4 LIDS, TIMED DOSED
Bi-Annual O&M

NORWECO SINGLAIR GREEN 960 & HYDROKINETIC BIO-FILM REACTOR (HK-BFR)



5 LIDS, DEMAND DOSED
Bi-Annual O&M

PREMIERTECH AQUA ECOFLO BIOFILTER PACK UNIT *



3 LIDS, DEMAND DOSED
Annual O&M

* An additional pump and pump tank may be required to meet dosing requirements.

All options can be used for Small Flow Treatment Facility (SFTF - "Stream Discharge") with Disinfection