

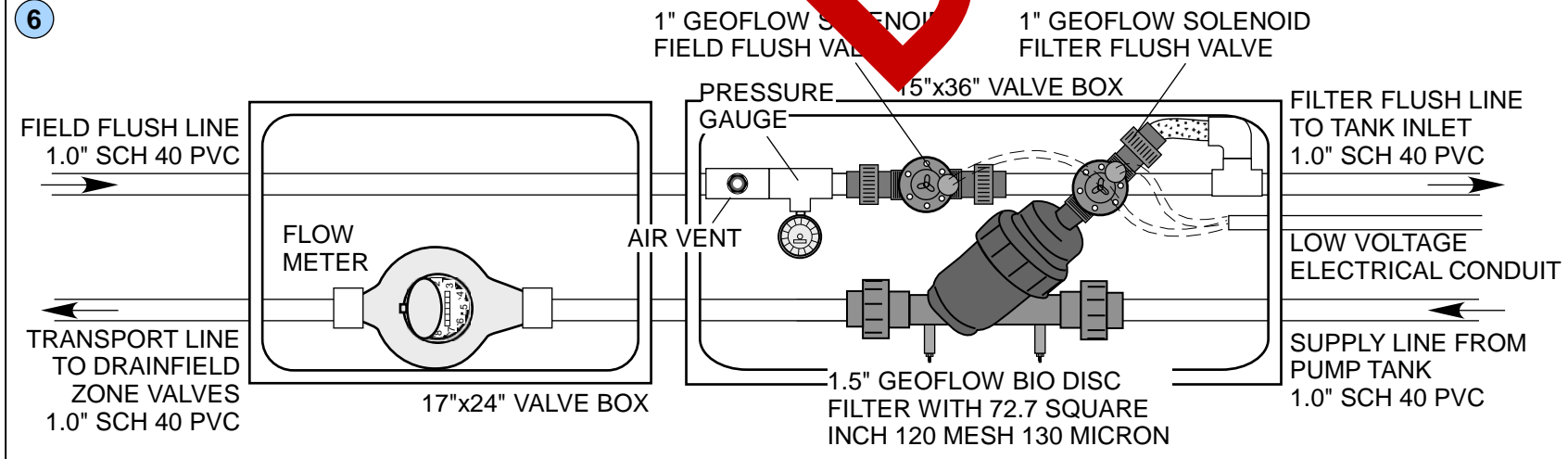
WASTEWATER DESIGN FLOW IS 300 GPD.
BASED ON PROPOSED 2 BEDROOM MAIN HOUSE

- 4" ABS GRAVITY SEWER LINE WITH MINIMUM 2% GRADIENT AND 2-WAY CLEANOUTS SPACED 50' APART MIN.
- 1,500 GALLON ORENCO™ PRELOS MEANDER PROCESSING TANK WITH ORENCO™ ADVANTEX AX20 WASTEWATER TREATMENT SYSTEM
- 1,500 GALLON ROTH PUMP DOSE TANK WITH PF1005 DISCHARGE PUMP
- VERICOMM® CONTROL PANEL WITH LOGO SCREEN AND 110 OUTLET. REQUIRES ONE 20 AMP 120 VOLT CIRCUIT AND TWO 20 AMP 230 VOLT CIRCUITS, AND AN ACTIVE CAT 5 DATA LINE FOR PANEL TELEMETRY
- REMOTE AUDIBLE/VISIBLE ALARM PANEL, TYPE 4X ENCLOSURE FOR OUTDOOR USE. ORENCO PRODUCT CODE: AMSENTII-W
- AUTOMATIC HEADWORKS VALVE BOX ASSEMBLY (SEE DETAIL)
- ZONE VALVE BOX PROVIDING AUTOMATIC DIVERSION BETWEEN PRIMARY AND SECONDARY DRAINFIELD ZONES WITH TWO SOLENOID VALVES AND 50 PSI PRESSURE REGULATOR. (SEE DETAIL)
- MID-FIELD (ZONE) CHECK VALVE WITH AIR VACUUM RELIEF VALVE INSTALLED DOWNSLOPE IN 7" ROUND VALVE BOX (TYP.) 4X. (SEE DETAIL)
NOTE: MAKE CERTAIN THAT CHECK VALVES ON SUPPLY AND RETURN HEADER MANIFOLDS ARE POSITIONED BETWEEN CORRELATIVE DRIP TUBE LATERALS.
- AIR VACUUM RELIEF VALVE 4X (THREE IN 7" ROUND VALVE BOX TYP. - SEE DETAIL)
- GEOFLOW SUBSURFACE DRIP DISPERSAL SYSTEM (ZONE 1 PRIMARY AND ZONE 2 SECONDARY) WITH A TOTAL OF 1,000 LINEAR FEET OF GEOFLOW WASTEFLOW PC SUBSURFACE DRIP TUBING WITH LATERALS SPACED 12" APART (0.53 GPH DRIP EMITTERS SPACED 12" APART) COVERING A TOTAL OF 1,000 SQUARE FEET RESULTING IN A SOIL APPLICATION RATE OF 0.6 GPD/SF BASED ON A PEAK DESIGN FLOW RATE OF 300 GPD DOSED TO A SINGLE ZONE
- DRIP FIELD FLUSH VALVE BOX WITH TWO CHECK VALVES AND ONE AIR VACUUM RELIEF VALVE (SEE DETAIL)
- 3'-DEEP INSPECTION WELL 3X (SEE DETAIL)

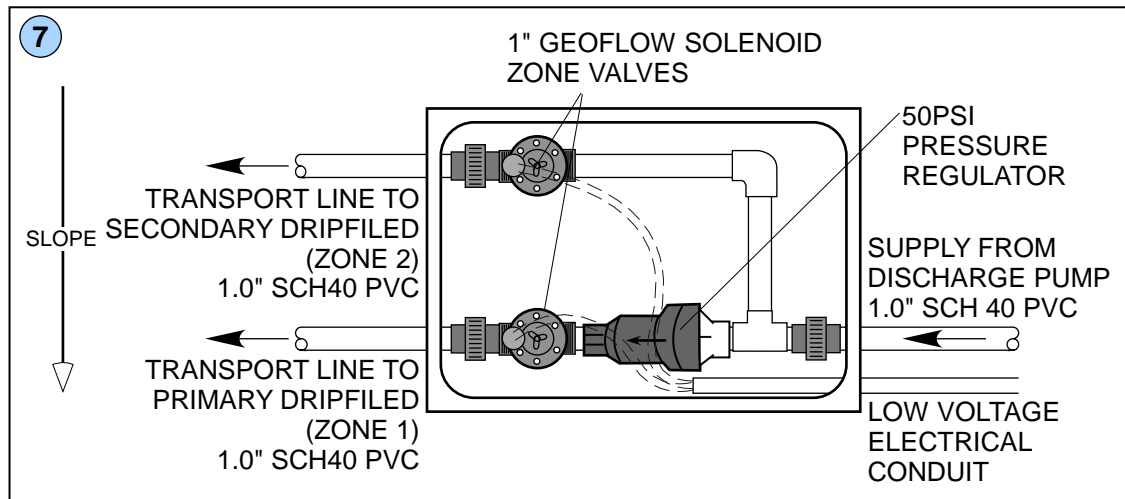
DRAINFIELD SIZING CALCULATIONS

(P) 2 BEDROOM HOUSE = 300 GPD
AVG ADJ. STABILIZED PERC RATE = 2.29 MPI (BASED ON PH7-PH12)
APPLICATION RATE = 0.6 GPD/SF
300 GPD ÷ 0.6 GPD/SF = 500 SF (500 LF DRIP)
500 SF (PRIMARY) + 500 SF (SECONDARY) = 1,000 SF

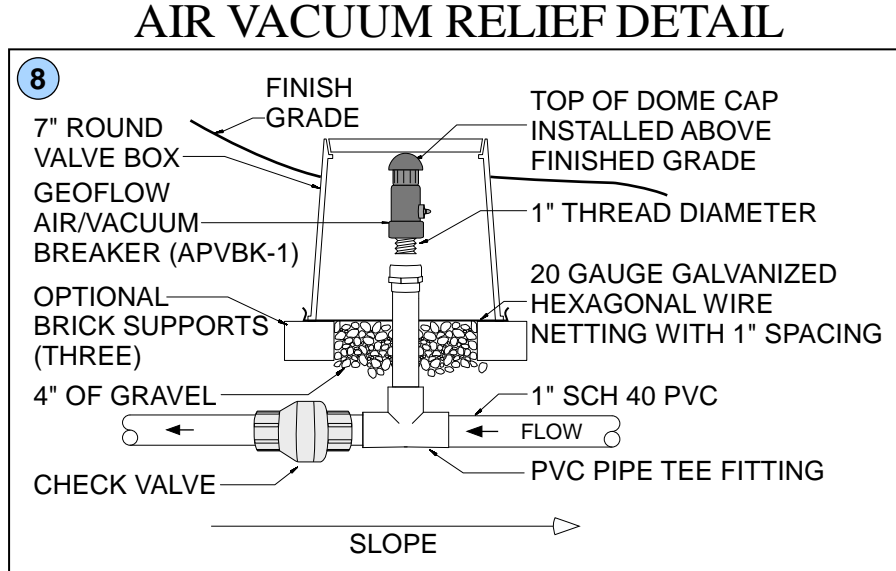
AUTOMATIC HEADWORKS VALVE BOX DETAIL



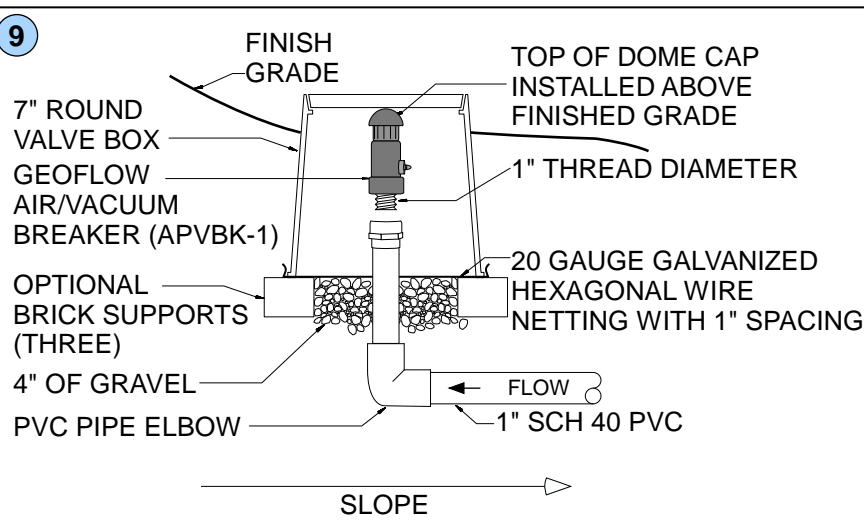
ZONE VALVE BOX DETAIL



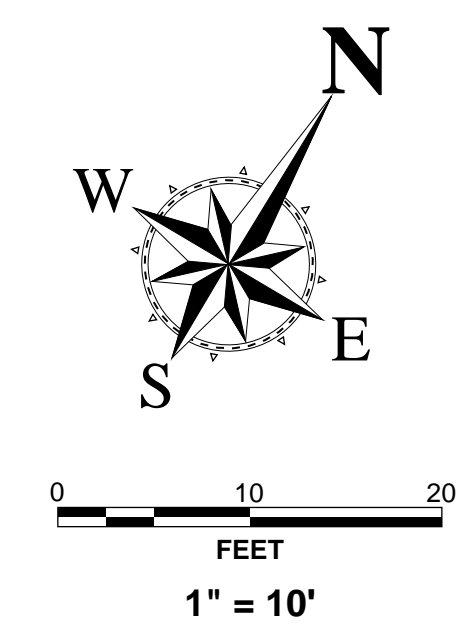
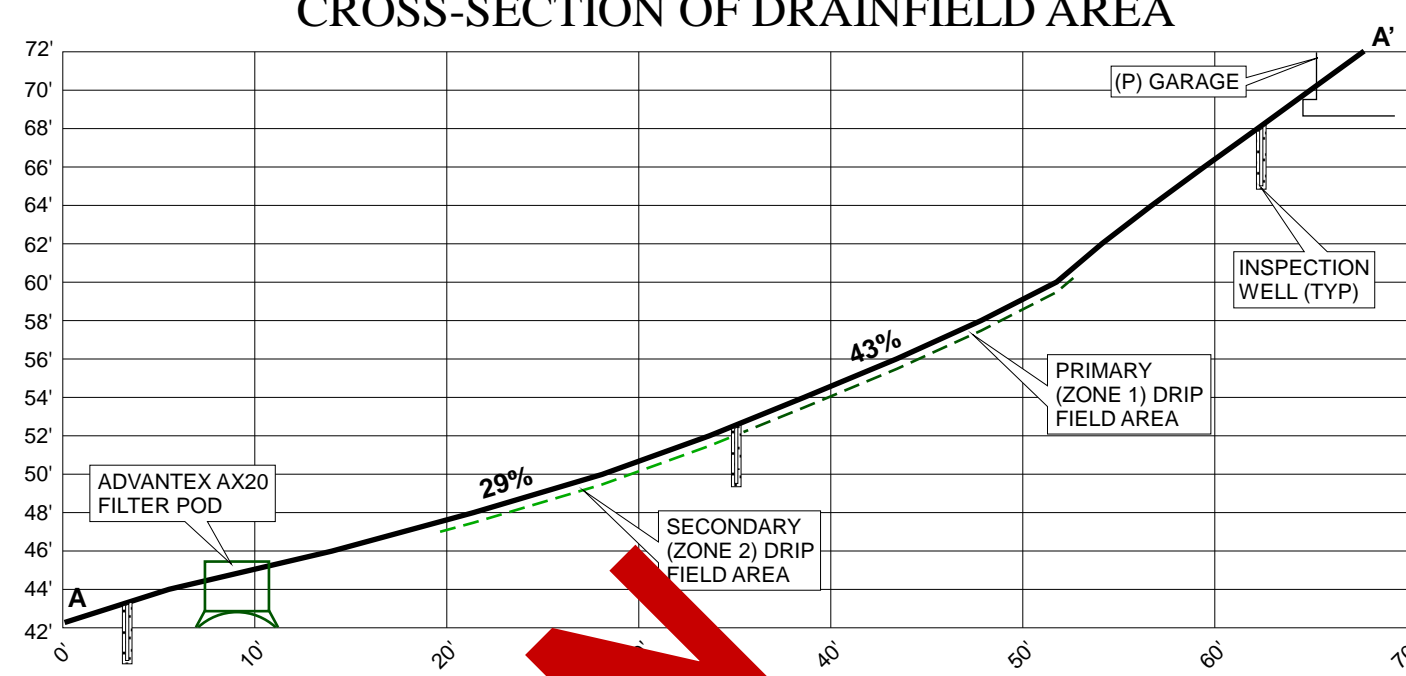
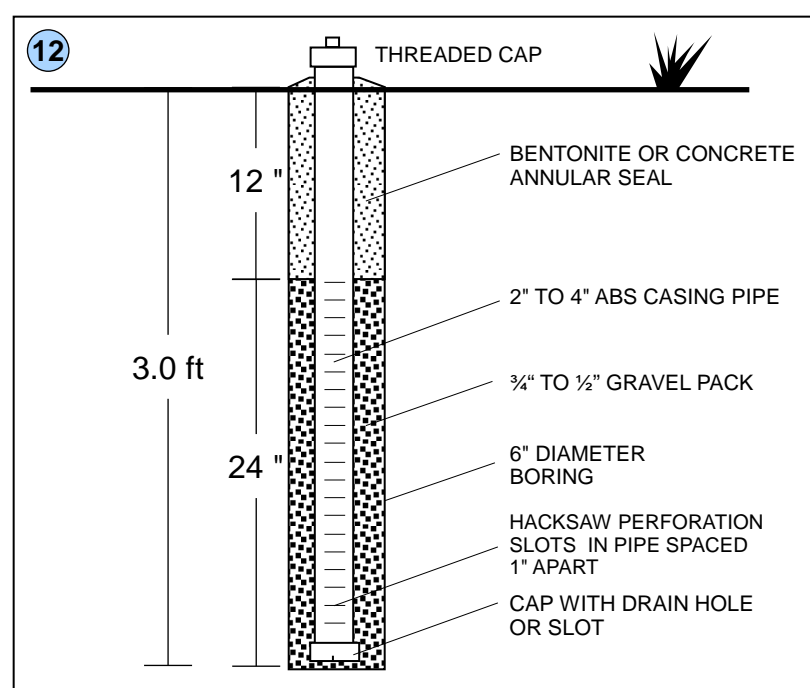
MID-FIELD CHECK VALVE AND AIR VACUUM RELIEF DETAIL



AIR VACUUM RELIEF VALVE DETAIL



INSPECTION WELL CONSTRUCTION DETAIL

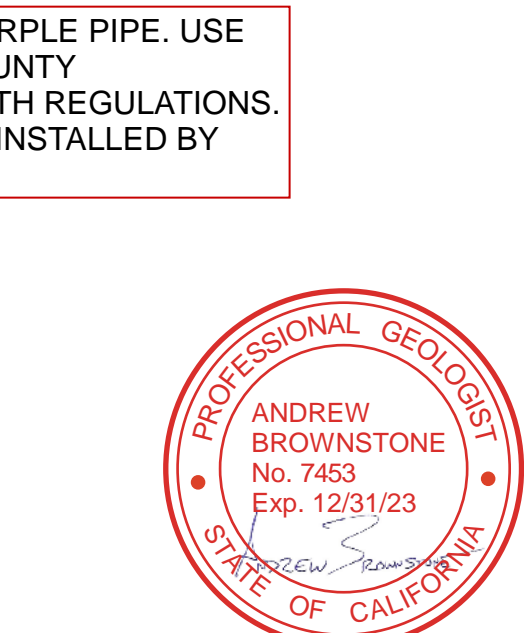
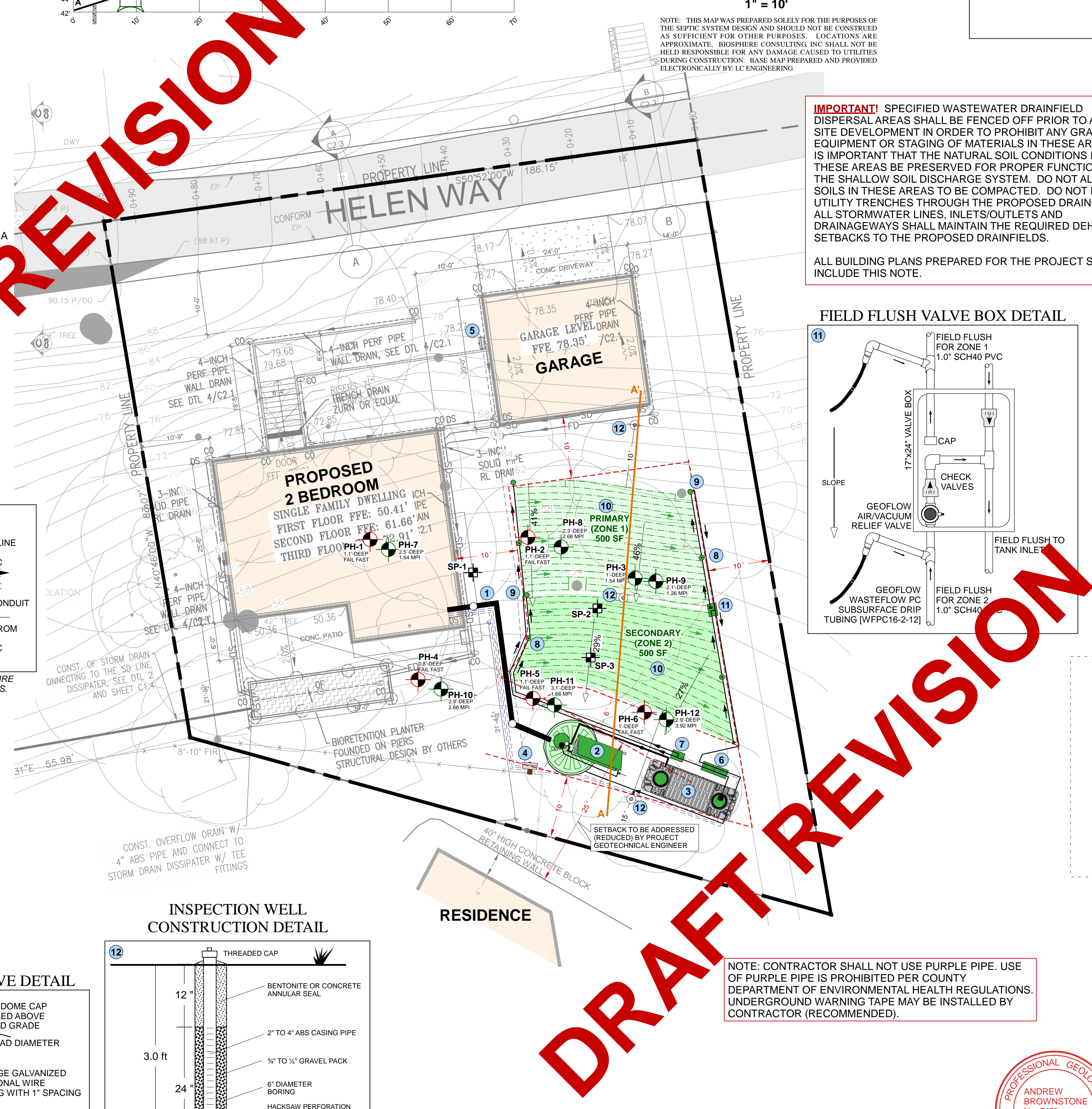
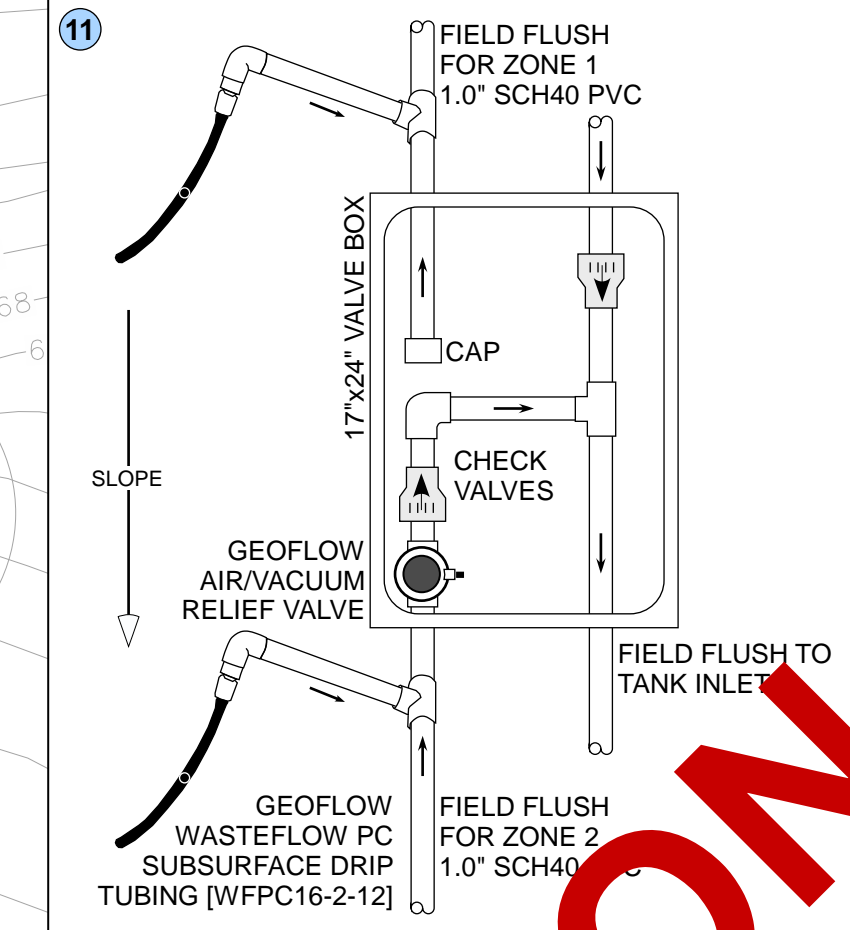


NOTE: THIS MAP WAS PREPARED SOLELY FOR THE PURPOSES OF THE SEPTIC SYSTEM DESIGN AND SHOULD NOT BE CONSTRUED AS SUFFICIENT FOR OTHER PURPOSES. LOCATIONS ARE APPROXIMATE. BIOSPHERE CONSULTING INC SHALL NOT BE HELD RESPONSIBLE FOR ANY DAMAGE CAUSED TO UTILITIES DURING CONSTRUCTION. BASE MAP PREPARED AND PROVIDED ELECTRONICALLY BY: LC ENGINEERING

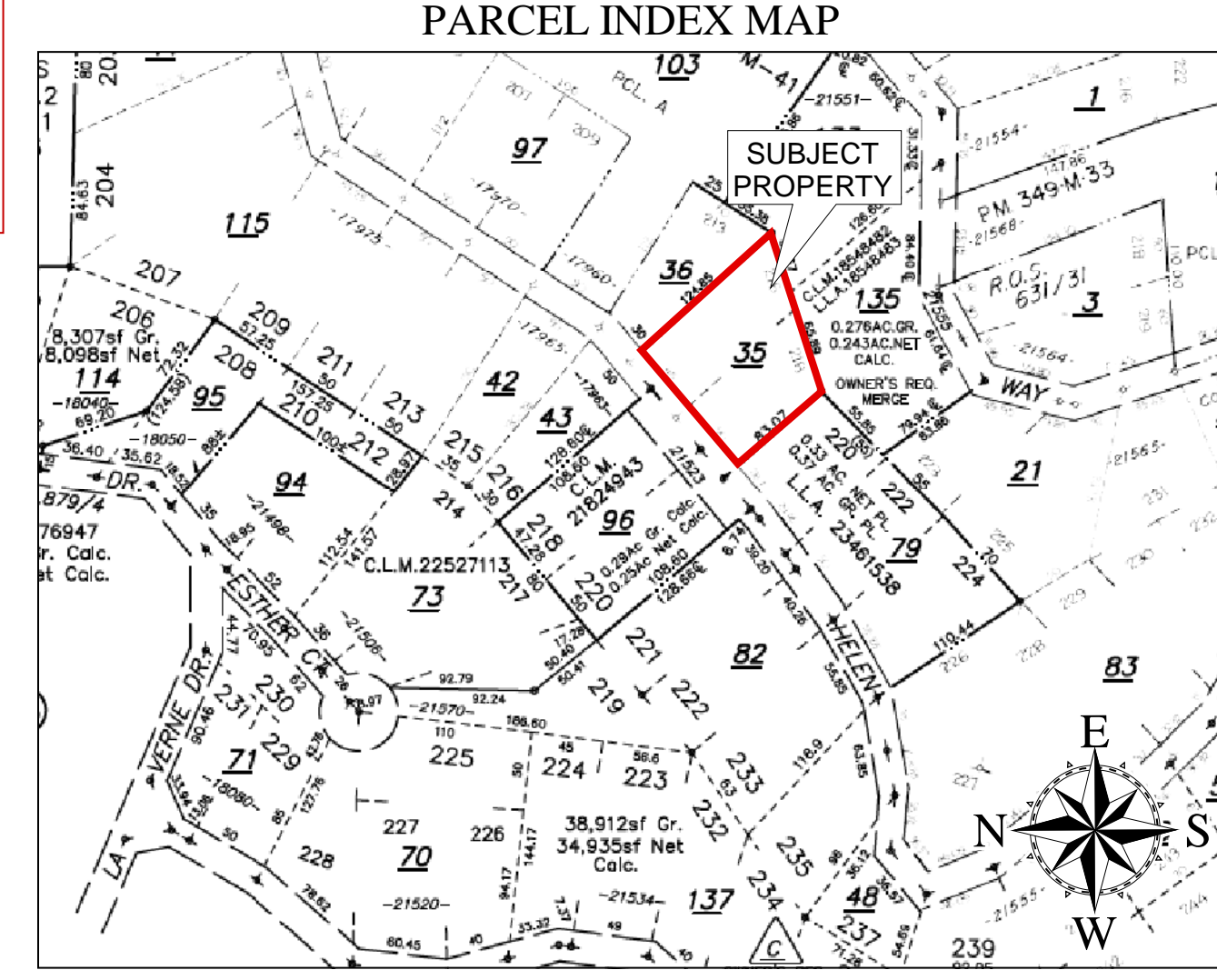
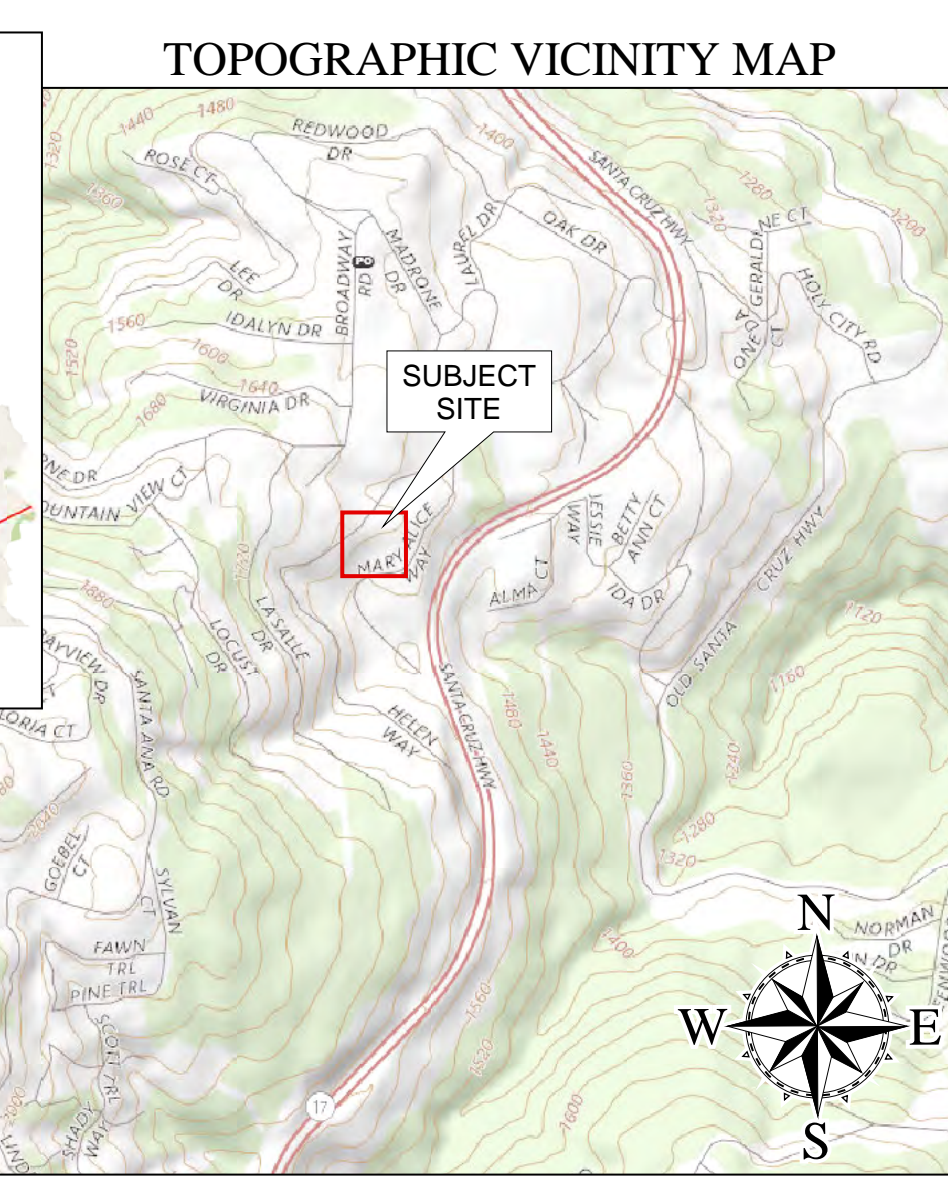
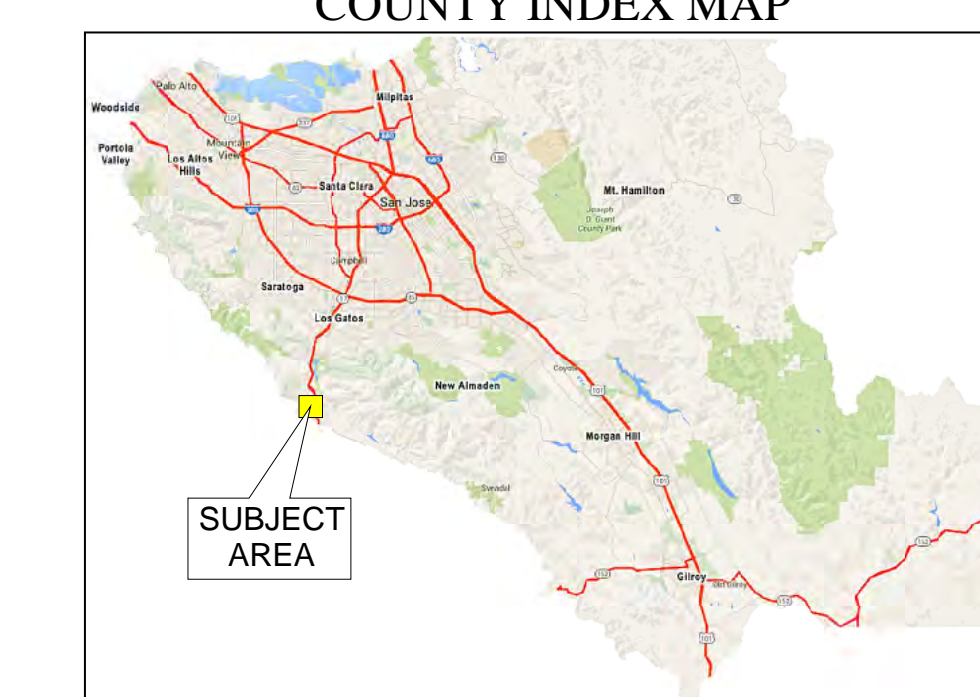
IMPORTANT! SPECIFIED WASTEWATER DRAINFIELD DISPERSAL AREAS SHALL BE FENCED OFF PRIOR TO ANY SITE DEVELOPMENT IN ORDER TO PROHIBIT ANY GRADING EQUIPMENT OR STAGING OF MATERIALS IN THESE AREAS. IT IS IMPORTANT THAT THE NATURAL SOIL CONDITIONS IN THESE AREAS BE PRESERVED FOR PROPER FUNCTION OF THE SHALLOW SOIL DISCHARGE SYSTEM. DO NOT ALLOW SOILS IN THESE AREAS TO BE COMPACTED. DO NOT ROUTE UTILITY TRENCHES THROUGH THE PROPOSED DRAINFIELDS. ALL STORMWATER LINES, INLETS/OUTLETS AND DRAINAGEWAYS SHALL MAINTAIN THE REQUIRED DEH SETBACKS TO THE PROPOSED DRAINFIELDS.

ALL BUILDING PLANS PREPARED FOR THE PROJECT SHOULD INCLUDE THIS NOTE.

FIELD FLUSH VALVE BOX DETAIL



NOTE: CONTRACTOR SHALL NOT USE PURPLE PIPE. USE OF PURPLE PIPE IS PROHIBITED PER COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH REGULATIONS. UNDERGROUND WARNING TAPE MAY BE INSTALLED BY CONTRACTOR (RECOMMENDED).



COUNTY E.H. ACCEPTANCE/APPROVAL STAMPS

Biosphere Consulting
Alternative Wastewater System Design
1315 King Street, Santa Cruz, CA 95060
Tel: (831) 430-9116
www.biosphere-consulting.com

ON-SITE WASTEWATER TREATMENT SYSTEM DESIGN PLAN			
Project Location:	Helen Way, Los Gatos, California	[Santa Clara County]	
Property Owner:	Roman Pighitsin		
Mailing Address:	1008 Andy Circle, Sacramento, CA 95838	email: g@hdcconstruction.com	
Owner Phone #:	(925) 658-8534		
Date:	03/19/21	By:	David Quinn / Andrew Brownstone
REVISION:	05/05/21	06/06/23 -replaced OSI FRP tank	Job No.: 19006
		APN:	544-39-035
			Sheet: 1 OF 3

PROJECT DESCRIPTION
 An onsite wastewater system specifying enhanced treatment using alternative technology is proposed to serve new development of a two bedroom dwelling to be constructed on Helen Way, Lost Gatos in Santa Clara County, California. An "alternative" system with subsurface drip dispersal is specified to provide supplemental treatment of the wastewater discharged on the site to address the steep slopes and limited space on the subject property.

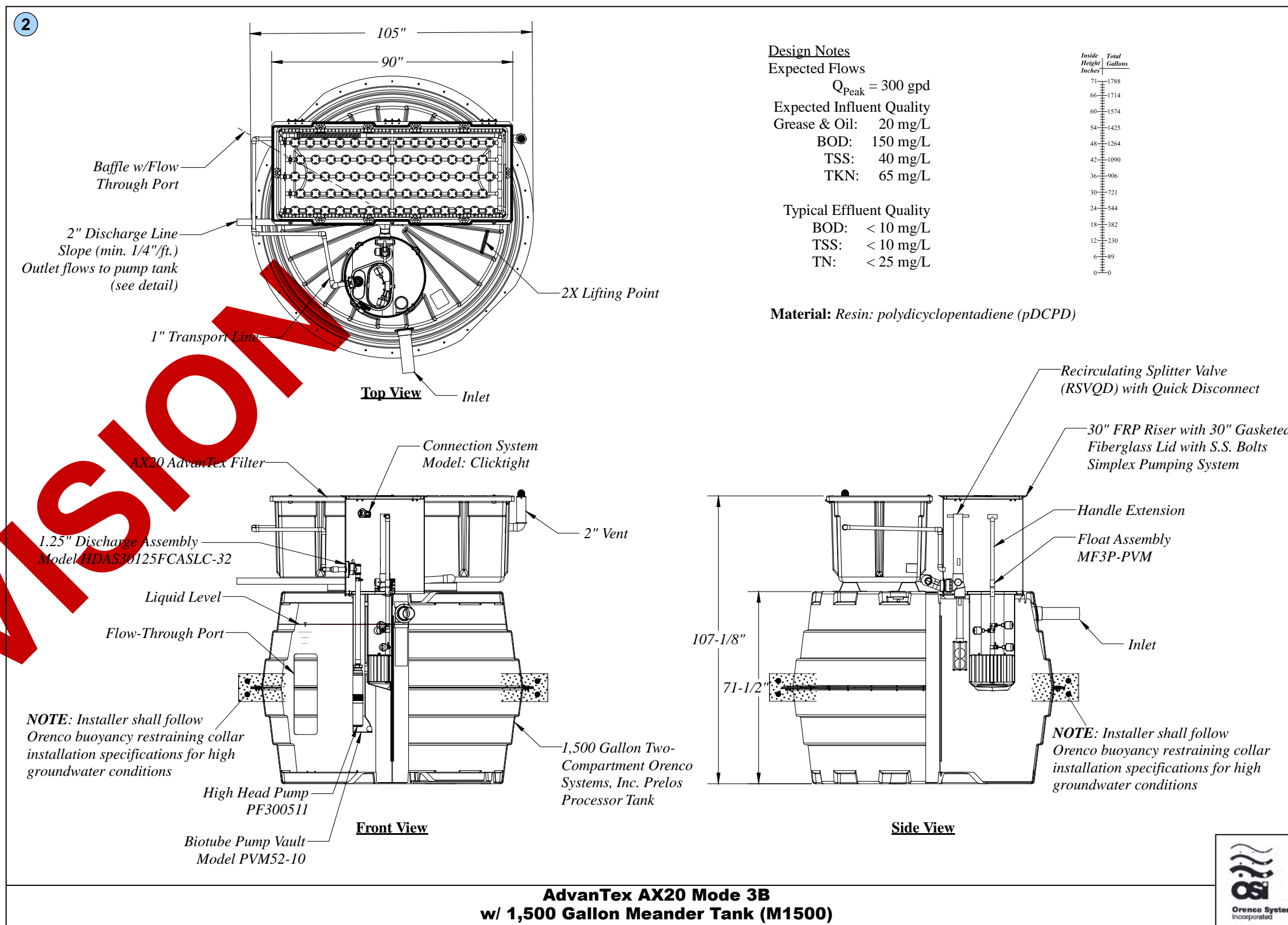
CONSTRAINTS & DESIGN CRITERIA

- The proposed dual drainfield system is designed to serve a 2 bedroom dwelling with a design wastewater flow of 300 gallons per day (gpd) per County DEH guidelines. The AdvanTex™ wastewater treatment system specified can accommodate an average wastewater flows of 600 gpd.
- Drip dispersal is specified to address slope gradients over 40%.
- Soil profiles did not exhibit any evidence of seasonally high groundwater conditions.
- No wells, springs or watercourses are situated within 100' of the proposed Onsite Wastewater Treatment System.

SPECIFICATIONS

- Building Sewer Lines, & Proposed Processing Tank.**
 - A 4" ABS building sewer line shall be installed to convey all raw sewage from dwelling to the processing tank. All gravity sewer piping must maintain a minimum 2% continuous gradient. **All wastewater including graywater shall be discharged to the processing tank.**
 - Locate 2-way, 4" ABS cleanness fittings on the building sewer to facilitate snaking and line location.
 - A 1,500 gallon, watertight, PRELOS Meander tank, from Orenco Systems®, Inc.(OSI), is specified for use as a processing tank with the proposed AdvanTex™ AX-20 (Mode 3B) treatment system. The tank shall have 24" diameter OSI access risers with fiberglass, bolt-down lids (brown). The tank shall be installed according to the manufacturers guidelines including the 6" concrete collar to prevent floatation.
 - The tank hole shall be excavated so that the tank sits level. Install the access riser with a watertight joint using the adhesives supplied by manufacturer.
 - Install the tank inlet fitting with a watertight joint. Cap off or use a test plug on this fitting and fill the tank with clean water 2" above the joint between the riser and the tank top. Repair any leaks.
 - Obtain a watertight tank inspection by EH and the designer or distributor with 24 hours notice to each.
 - Install the recirculating splitter valve (RSV) in the inlet side of the tank according to the installation manual instructions.
- AdvanTex™ Treatment System**
 - An AdvanTex™ treatment system includes a Biotube® pump package for recirculation, RSV, split-flow tee, a AX20 packed-bed filter pod and a telemetry-enabled VeriComm® control panel. Filter pod lid shall be brown unless otherwise requested.
 - Install the AdvanTex™ system according to the installation instructions and in the location shown on the plan. The filter pod shall be installed with the lid (brown) 2"-4" above final grade. A more shallow burial is possible, but only if approved by the property owner.
 - The pressurized transport pipe from the recirc. pump to the filter pod shall be 1.0" schedule 40 PVC. This pressurized line shall be connected to the side of the pod opposite of the 2" gravity drain (vent side).
 - The filtrate return pipe from the filter pod to the RSV and on to the discharge pump basin shall be 2" schedule 40 PVC. **As a continuous fall on the return piping as venting through this pipe is critical.**
 - Test the squirt height on the filter pod. It should be approximately 3'-4" high.
- Discharge Pump Tank and Transport Piping**
 - A 1,500 gallon Roth pump tank shall be installed adjacent to the processing tank.
 - The pump tank shall be installed according to the manufacturer's instructions including anti-floatation specifications and be made watertight.
 - Install the pump and float ter according to the instructions provided by manufacturer/dealer.
 - A 1/2 hp OSI high head effluent pump (PF1005) is specified for pressurized dispersal discharge.
 - The filtrate transport pipe to dispersal system shall be 1.0" schedule 40 PVC.
 - Concrete thrust blocks, or equivalent restraint, shall be provided at sharp changes in piping direction.
- Subsurface Drip Dispersal System.**
 - Approximately 1,000 lineal feet of Geoflow PC drip tubing (with 0.5gph emitters spaced 12" apart) shall be installed with a minimum of 12" lateral spacing covering an area of at least 1,000 square feet in the configuration shown on the plan. The drip field shall be divided evenly into two zones. The 8 air/vacuum relief valves specified shall be supplied by Geoflow.
 - The drip dispersal field shall be installed according to the instructions in the Geoflow installation manual. Installer shall assure that each drip lateral be installed in such a manner as to reduce the potential of low head conditions as described in the installation manual. The actual location and layout of the dispersal field may vary per owner's, landscaper's or installer's discretion, with approval by designer.
 - The drip tubing lines shall be buried 8"-10" deep and spaced no closer than 12" apart. The supply header shall be installed 12' - 18" below grade. It may be easier to install the drip tubing first, and the supply and return headers afterwards. Great care must be taken to keep dirt out of the drip tubing and supply and return piping. All piping shall be thoroughly cleaned and pressure tested prior to use.
 - The drip field flush return line is specified to be routed to treatment tank.
 - All pressurized piping shall be schedule 40 PVC and labelled according to current UPC requirements "treated wastewater - do not drink". Pressure piping shall be pressure-rated to 150 psi and solvent welded.
 - Concrete thrust blocks, or equivalent restraint, shall be provided at sharp changes in piping direction.
 - Drainfield shall meet Santa Clara County guidelines for Tree Protection and Preservation for Land Use Applications. Refer to the Santa Clara County Ordinance C-16 Tree Preservation Removal.
- Installer Qualifications and Responsibilities**
 - The system installer shall be licensed by the State of California, Department of Consumer Affairs, to install septic systems. Installer certification is required by the local AdvanTex™ dealer. The installer is required to fully read and understand the AdvanTex™ and Geoflow manuals prior to the commencement of work.
 - All piping shall conform to the current edition of the Plumbing Code.
 - The installer shall be responsible for locating any property lines, underground utilities or piping. Any damage to these facilities shall be the responsibility of the installer.
 - A pre-construction conference with designer, DEH inspector and dealer/service provider shall be arranged prior to the commencement of work. Pre-construction conference should include construction procedures, staking or marking of the drip lines, supply and return piping, pump system and appurtenances to be provided. Construction inspections, watertight tank test inspection, AdvanTex™ installation inspection, and final operation of system shall be made by designer (BioSphere Consulting) or local distributor and system service provider and the County of Santa Clara Department of Environmental Health (408-918-3400). Construction inspection should include inspection of the following: water tightness of effluent dosing (pump) tank, drip field layout, piping materials and installation, and all associated valves and connections, hydraulic testing of the drip system and functionality and setting of all control devices. Final inspection shall be performed in order to verify that all construction elements are in conformance with the approved plans, specifications, and manufacturer recommendations; all inspection wells are installed; and erosion control has been completed. The installer shall give at least 48 hours notice to each party for all inspections. Designer shall provide final installation approval letter and as-built drawings per DEH requirements.
- Electrical Work**
 - The VeriComm® control panel with Logo screen and 110 outlet shall be installed in the location shown on the map **with the bottom of the panel box at 51" from the ground surface.**
 - One, 20 amp, 120V electrical circuit and two, 20 amp, 230V electrical circuits shall be extended to the VeriComm® panel in a single conduit. Underground circuits in separate conduits shall be installed from the panel to the recirculation pump and discharge pump. A separate underground conduit containing a live CAT5 phone line shall be installed to the VeriComm® panel. The system will not be finalized until everything (including panel telemetry) is functional.
 - All work shall conform to the California Electrical Code and the contractor shall be responsible for obtaining any electrical permits required.
- Site Clean up and Erosion Control Measures**
 - All excavated areas shall be smoothed and all construction debris shall be removed from the site.
 - All disturbed soils shall be seeded and mulched. Erosion Control Mix seed shall be used at the coverage recommended on the package for all disturbed soil.
 - Straw shall be used to cover all disturbed soil.
 - PER DIVISION C12, CHAPTER III OF THE COUNTY CODE (Sec. C12-513. Temporary erosion control.)
 "The permittee and any person(s) doing, causing or directing the grading shall install and maintain all precautionary measures necessary to protect adjacent watercourses and public or private property from damage by erosion, flooding, or deposition of mud or debris originating from the site. Precautionary measures must include provisions of properly designed erosion prevention and sediment control measures, so that downstream properties are not affected by upstream erosion or sediment transport by stormwater."
- Operating Permit for Alternative OWTS**
 - In addition to the installation permit, an operating permit is required for alternative OWTS per section B11-92 of the Santa Clara County Ordinance.
 - The operating permit will be issued after completion of the septic system installation and final inspection.
 - The operating permit is subject to renewal, fees and will be recorded on the deed to the property by the County Recorder of Santa Clara County.

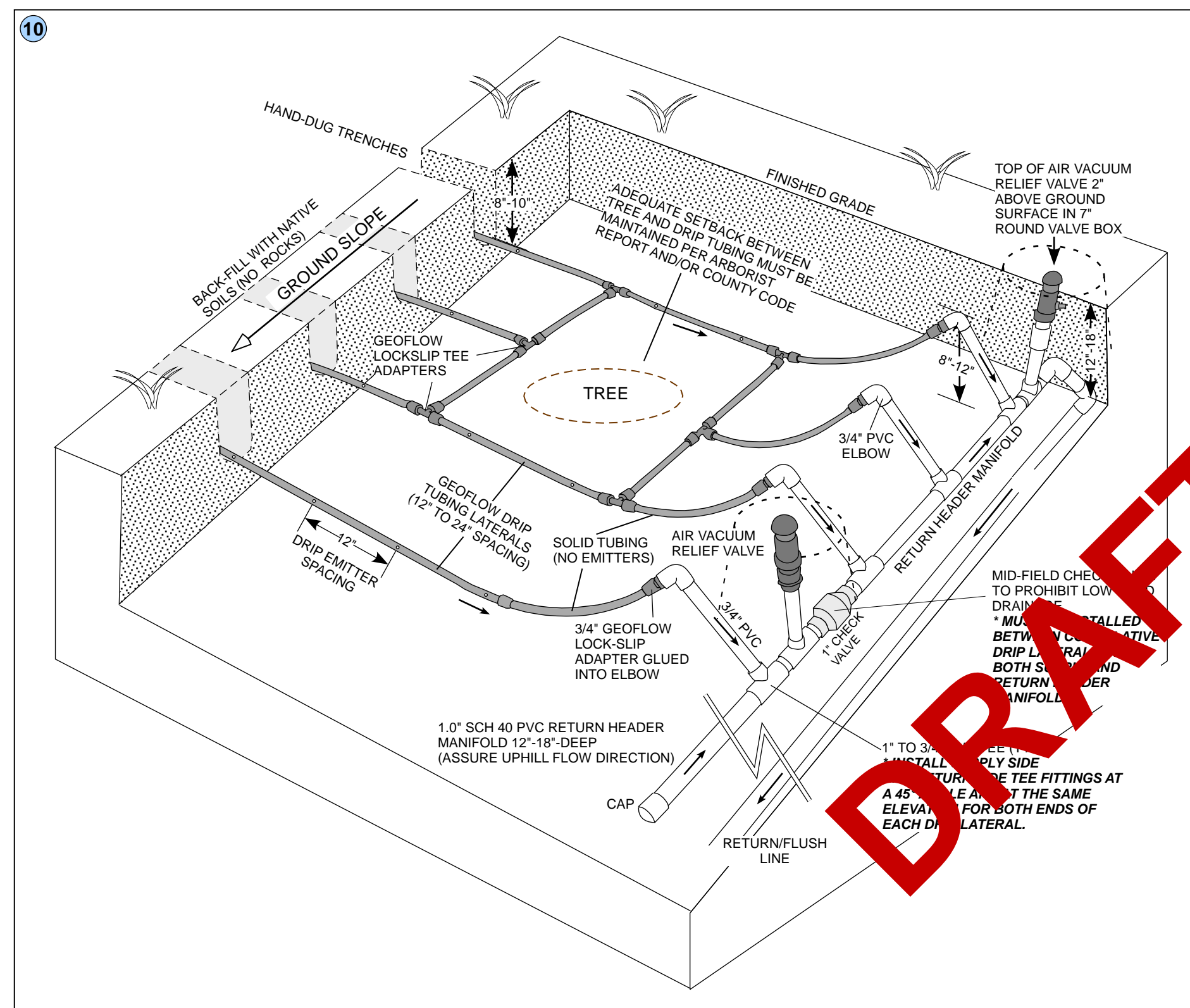
ADVANTECH AX-20 DETAIL



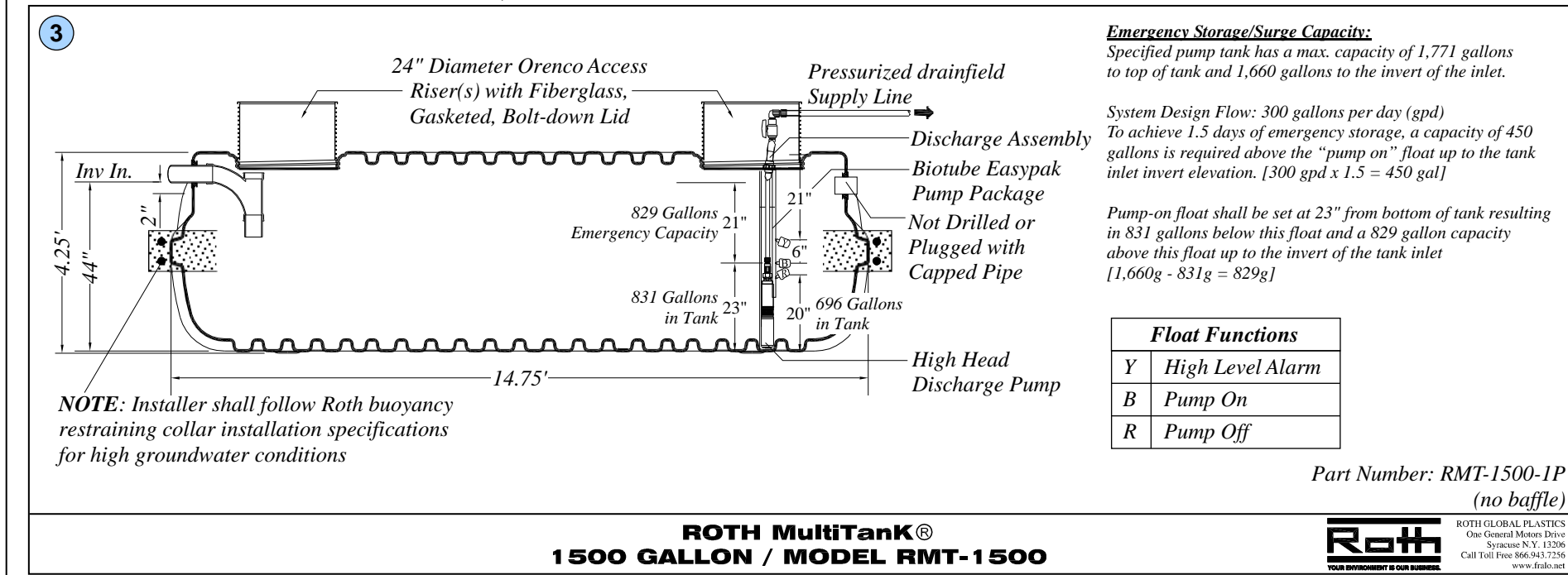
SYSTEM OPERATION AND MAINTENANCE

- The owner should read and operate the system according to the AdvanTex™ & Geoflow operation and maintenance literature.
- Orenco requires biannual maintenance servicing of the AdvanTex™ by a qualified technician.
- County Environmental Health will issue an OWTS Annual Operating Permit and requires that the property owner maintain a system service agreement/contract with a qualified third-party service provider. This requirement will be placed on the title deed for the property.
- The drip fields shall be automatically flushed one zone at a time every 12 months at a minimum. This is done by the control panel software. No drip zone should be left dormant (un-dosed) for more than a few weeks at a time.
- The treatment tank is alive with important microorganisms. Do not add any materials (paint thinner, paint, motor oil, unused medicine, etc.) that may disrupt the biologic treatment process. The primary tank should be pumped when the total of the scum/sludge thickness is greater than 1/3 of the total liquid level depth.
- DO NOT ROUTE WATER SOFTENER BACKFLUSH DISCHARGE TO TREATMENT SYSTEM!** This discharge may be routed directly to a drainfield trench or an approved dispersal field.
- Repair all plumbing leaks (especially toilet leaks) promptly.

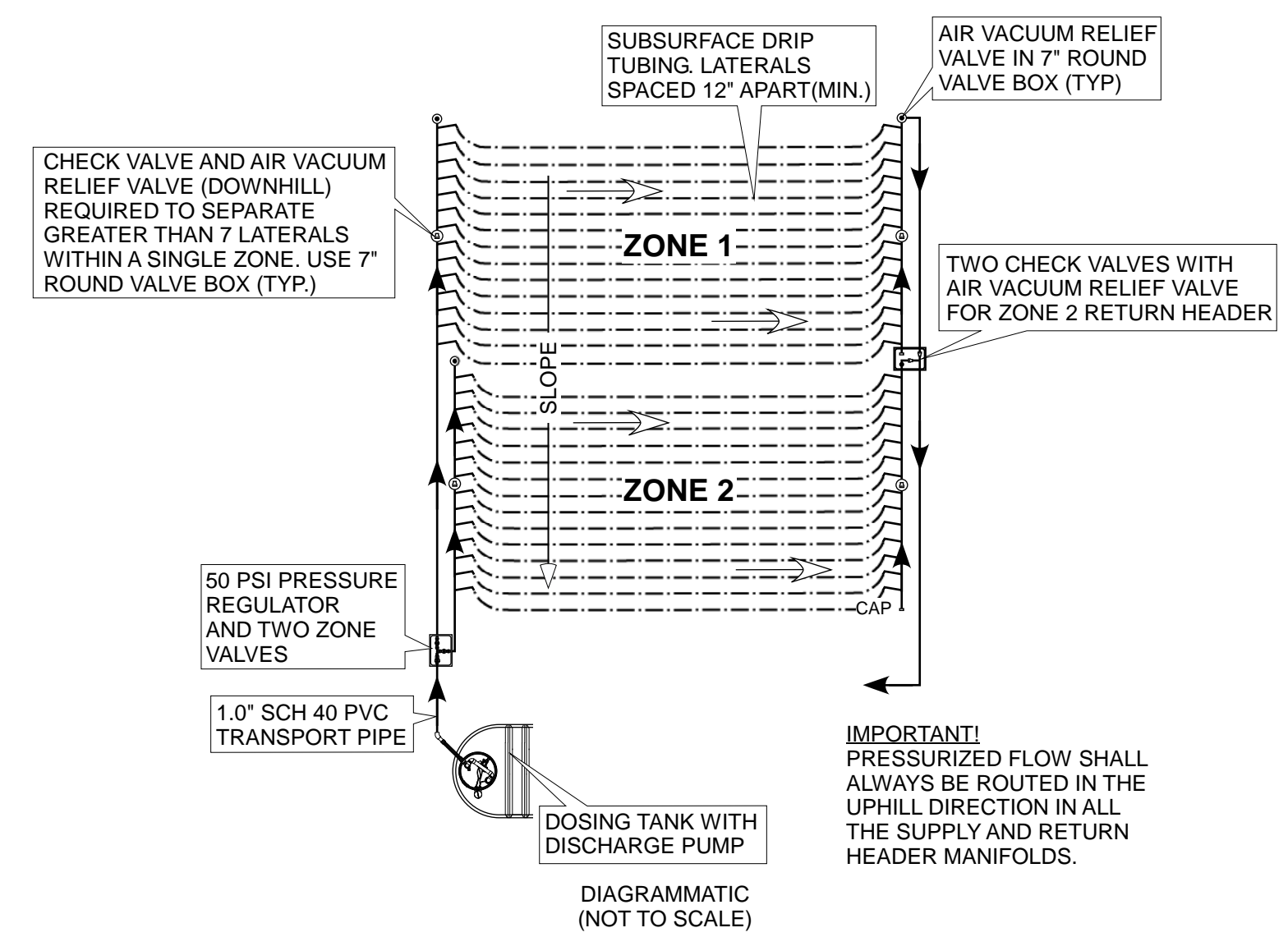
SUBSURFACE DRIP SYSTEM HEADER/MANIFOLD DETAIL



1,500 GALLON PUMP TANK DETAIL



10 DRIP FIELD PLUMBING SCHEMATIC



COUNTY E.H. ACCEPTANCE/APPROVAL STAMPS

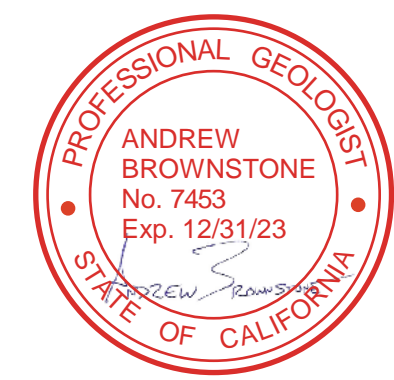
BioSphere Consulting
 Alternative Wastewater System Design
 1315 King Street
 Santa Cruz, CA 95060
 Tel: (831) 430-9116
 www.biosphere-consulting.com

- Site Evaluation & Mapping
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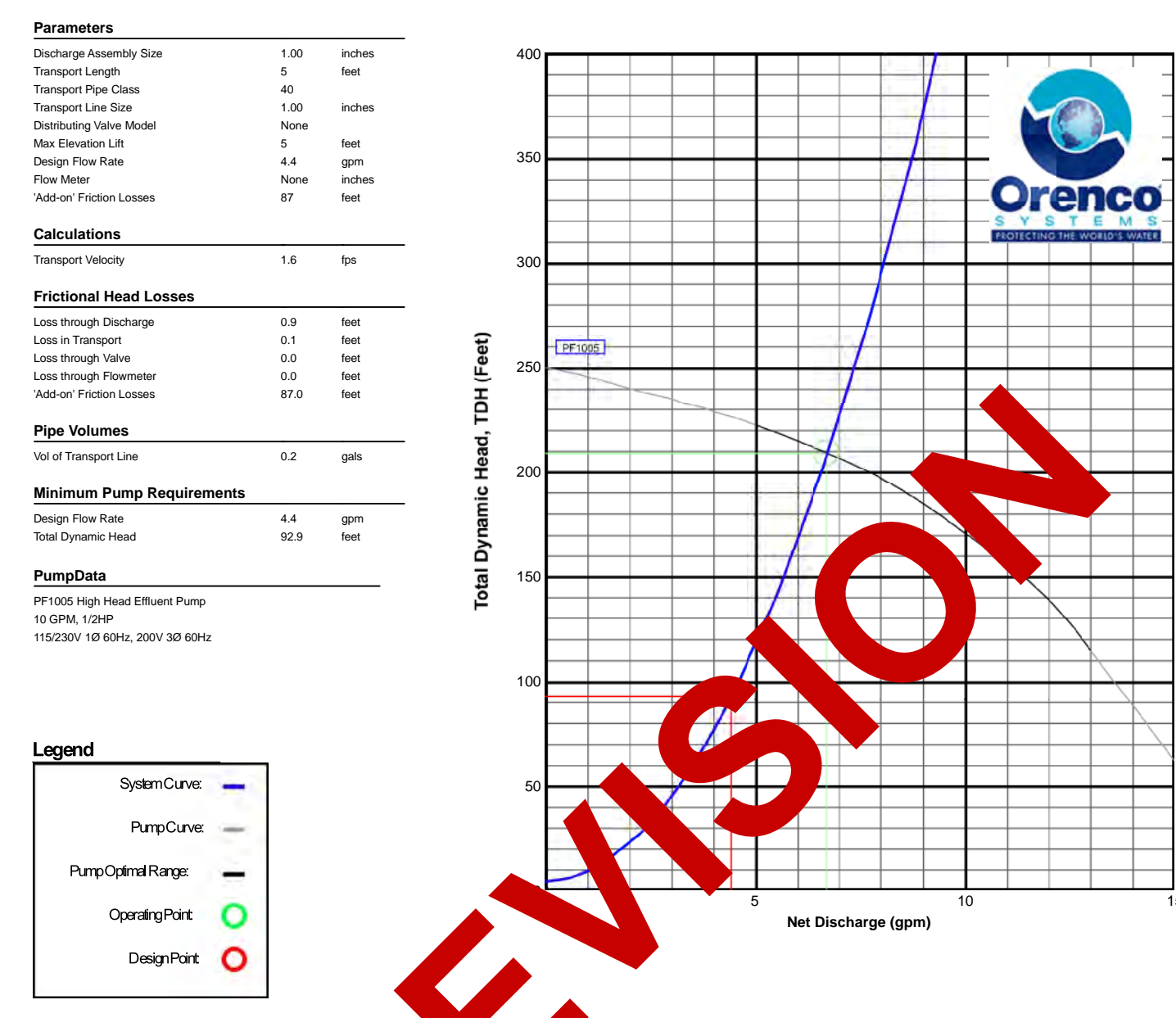
ONSITE WASTEWATER TREATMENT SYSTEM DESIGN PLAN

Project Location: Helen Way, Los Gatos, California	[Santa Clara County]
Property Owner: Roman Pighitsin	
Mailing Address: 1008 Andy Circle, Sacramento, CA 95838	
Owner Phone #: (925) 658-8534	
Date: 03/19/21	By: David Quinn / Andrew Brownstone
REVISION: 05/05/21	Job No.: 19006
06/06/23 -replaced OSI FRP tank	APN: 544-39-035

Sheet: 2 of 3



SOIL PROFILE FIELD LOG												Test hole I.D. SP-1		
Job Number/Name: Job 19004 - Pigtitsin Location: Helen Way Los Gatos APN 544-39-035														
Date Soil Sampled: 4/26/19 Time: PM Vegetation: varied trees														
Elevation: 54' Slope Gradient: -40% Aspect: south Geomorphic Surface: Base of Slope														
Parent Material(s): Described by: Andrew Brownstone														
LOG	Moisture	Structure	Pores	Mottles	Clay Films	Gravel	Roots	Consistence	Texture	Color	Horizon	Contacts		
0	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
1	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
2	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
3	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
4	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
5	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
6	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
7	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
8	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
9	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
10	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
11	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
12	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
13	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
14	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l



SOIL PROFILE FIELD LOG												Test hole I.D. SP-2		
Job Number/Name: Job 19004 - Pigtitsin Location: Helen Way Los Gatos APN 544-39-035														
Date Soil Sampled: 4/26/19 Time: PM Vegetation: varied trees														
Elevation: 54' Slope Gradient: -40% Aspect: south Geomorphic Surface: Base of Slope														
Parent Material(s): Described by: Andrew Brownstone														
LOG	Moisture	Structure	Pores	Mottles	Clay Films	Gravel	Roots	Consistence	Texture	Color	Horizon	Contacts		
0	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
1	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
2	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
3	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
4	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
5	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
6	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
7	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
8	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
9	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
10	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
11	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
12	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
13	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
14	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l

SOIL PERCOLATION SUMMARY TABLE -- 06/06/19						
Depth (ft)	7	8	9	10	11	12
Permeability (PH)	2.48"	2.34"	2.10"	2.90"	3.06"	2.92"
Stabilized	R	1.10	1.90	0.90	1.20	2.80
Stabilized MPI	R ₁ =R x 1.4	1.54	2.66	1.26	1.68	3.92
Stabilized MPI	R ₂ =7 R ₁ / #Holes					2.29
FOR OFFICE USE ONLY	TANK SIZE (Gal)					
	Leach Line (ft)					

SOIL PROFILE FIELD LOG												Test hole I.D. SP-3		
Job Number/Name: Job 19006 - Pigtitsin Location: Helen Way Los Gatos APN 544-039-035														
Date Soil Sampled: 06/12/19 Time: SAO Vegetation: SAO														
Elevation: SAO Slope Gradient: <30% Aspect: SAO Geomorphic Surface: SAO														
Parent Material(s): SAO Described by: Andrew Brownstone														
LOG	Moisture	Structure	Pores	Mottles	Clay Films	Gravel	Roots	Consistence	Texture	Color	Horizon	Contacts		
0	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
1	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
2	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
3	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
4	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
5	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
6	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
7	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
8	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
9	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
10	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
11	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
12	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
13	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l
14	dry	m	vs	pl	g	0		moist	st	wh	Munsell (moist)	o	a	l

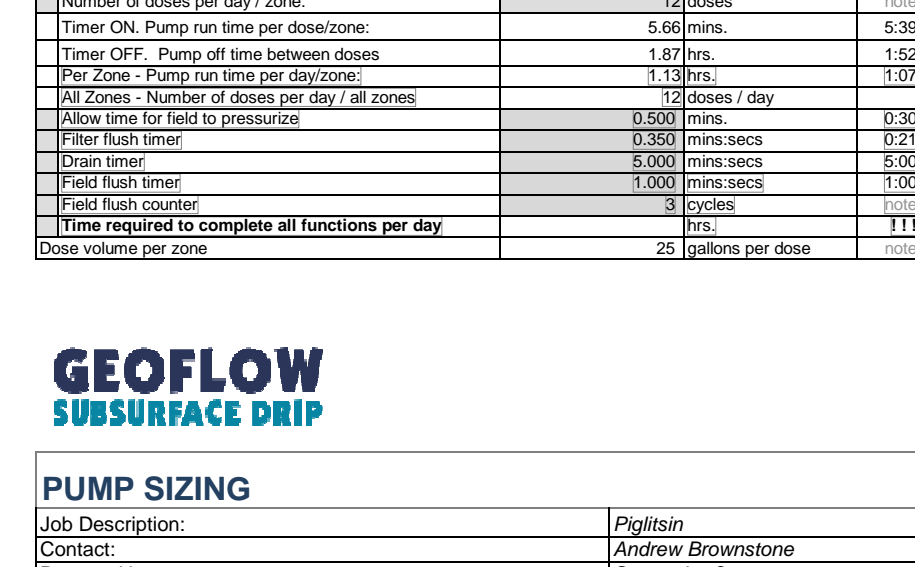
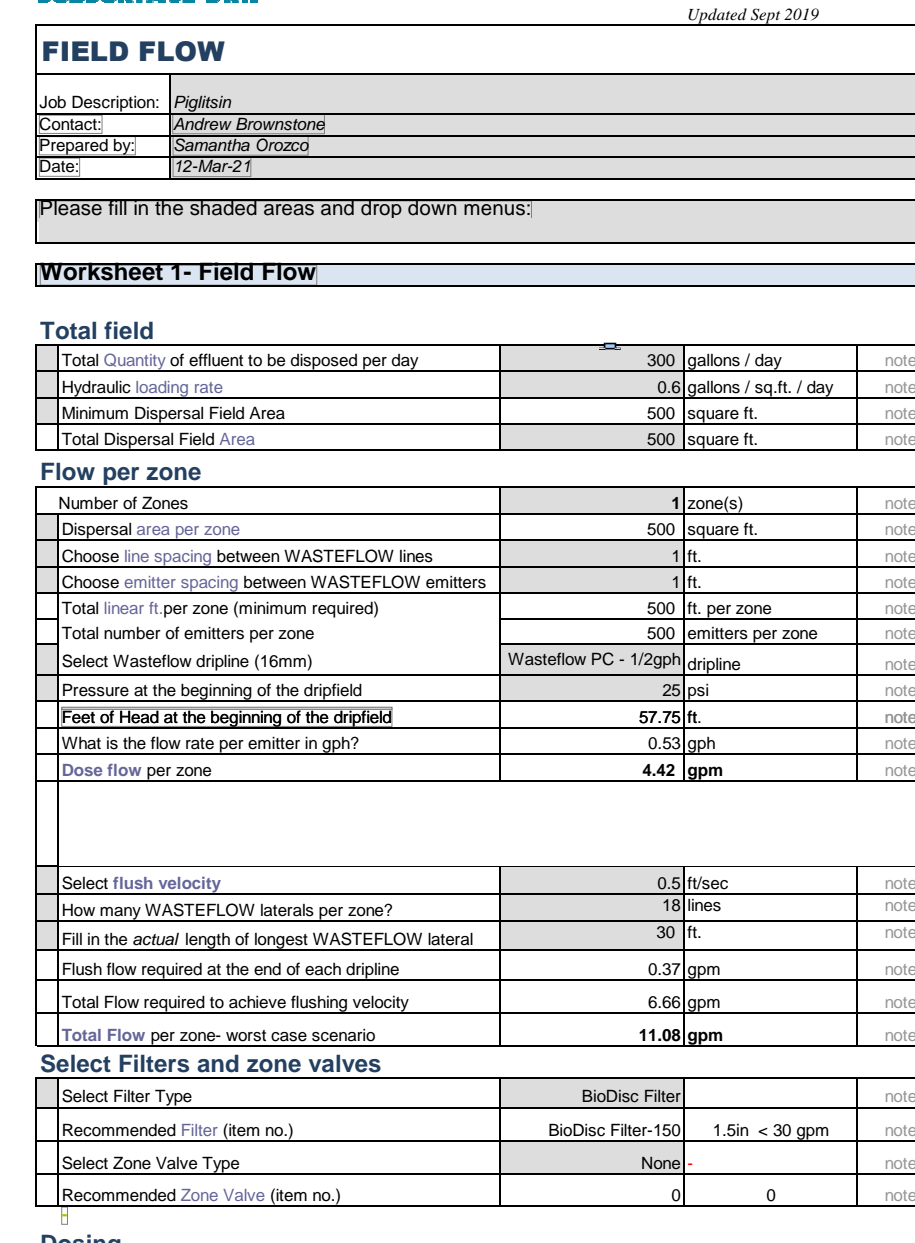


TABLE DD-2. DRIP DISPERSAL SYSTEM MANAGEMENT REQUIREMENTS		
	WORK	FREQUENCY
Inspection	<ul style="list-style-type: none"> Conduct routine visual observations of drip field, downslope area and surroundings for wet areas, pipe leaks or damage, soil erosion, drainage issues, abnormal vegetation, gophers or other problems. Conduct routine physical inspections of system components, including valves, filters, and headworks (boxes). Perform special inspections of drip field at time of any landscaping work or other digging in drip field area. Perform inspections of dosing pump(s) and appurtenances (per O&M manual and Performance Evaluation Guidelines, Part 5 of this Manual). Record observations. 	<ul style="list-style-type: none"> Every 6 to 12 months.
Maintenance	<ul style="list-style-type: none"> Manually remove and clean filter. Clean and check operation of pressure reducing valves. Clean flush valves and vacuum release valves. 	<ul style="list-style-type: none"> Clean filter every 6 months. Other maintenance annually.
Water Monitoring & Sampling	<ul style="list-style-type: none"> Measure and record water levels in dispersal field monitoring wells, as applicable, per permit requirements. Obtain and analyze water samples from dispersal field monitoring wells, as applicable, per permit requirements. 	<ul style="list-style-type: none"> According to permit conditions, if applicable.
Reporting	<ul style="list-style-type: none"> Report findings to DEH per permit requirements. Standard report to include dates, monitoring well and other data collected, work performed, corrective actions taken, and performance summary. Report public health/water quality emergency to DEH immediately. 	<ul style="list-style-type: none"> According to permit conditions, typically every 1 to 2 years, depending on systems size, usage, history, location.

COUNTY E.H. ACCEPTANCE/APPROVAL STAMPS

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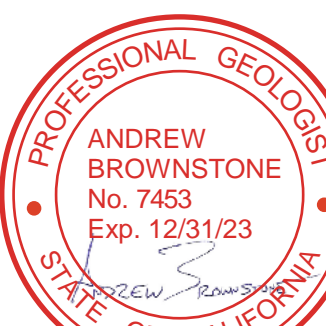
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ONSITE WASTEWATER TREATMENT SYSTEM DESIGN PLAN			
Project Location:	Helen Way, Los Gatos, California	[Santa Clara County]	
Property Owner:	Roman Pigtitsin		
Mailing Address:	1008 Andy Circle, Sacramento, CA 95838		
Owner Phone #:	(925) 658-8534		
Date:	03/19/21	By: David Quinn / Andrew Brownstone	Sheet:
REVISION:	06/06/23 -replaced OSI FRP tank	Job No.: 19006	APN: 544-39-035



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