

INFILTRATIVE AREA CALCULATIONS & SPECIFICATIONS			
TYPE OF SEPTIC SYSTEM:		Dual Drip Dispersal with Secondary Treatment	
DESIGN CALCULATIONS:		DRIPLINE DISPERSAL SYSTEM A: ZONE 1	
		Dripeline / Emitter Spacing / Depth: 2 ft / 2 ft / 12 in	
		Dripfield Dimensions: 24 x 32 ft = 768 ft ² (3 loops of 128 ft)	
		Number of Emitters: 192	
		Slope in Dispersal Area: 4 %	
Average Percolation Rate : 38 MPI			
Application Rate: 0.6 gal/sq. ft./day (Table DD-1)			
Wastewater Flow: 450 gpd (3 BR House)			
Infiltrative Area: 750 sq. ft. (450 gpd/0.6 gpd/ft ²)		DRIPLINE DISPERSAL SYSTEM B: ZONE 2	
Infiltrative Area per Emitter: 4 sq. ft.		Dripeline / Emitter Spacing / Depth: 2 ft / 2 ft / 12 in	
		Dripfield Dimensions: 24 x 32 ft = 768 ft ² (3 loops of 128 ft)	
# of Emitters Required: 188 (750 ft ² / 4 ft ² -emitter)		Number of Emitters: 192	
		Slope in Dispersal Area: 4 to 8 %	
Depth to GW: 12 ft (no GW seen in SP1 or SP2 to 13 ft) - Depth required: 2 ft			

NOTICE
DESIGN ENGINEER AND DEH REPRESENTATIVE
TO BE PRESENT DURING FINAL SYSTEM TEST.
ENGINEER TO SUBMIT WRITTEN CONFIRMATION
ON PROPER INSTALLATION PRIOR TO FINAL.
darius.haghighi, REHS
SCC, DEH

PROJECT SCOPE & RATIONALE:

The scope is to construct a 3 BR residence served by a new drip dispersal w/ treatment alternative-type septic system. A drip dispersal septic system was selected because of failing percolation rates observed at depths of 4 to 5 ft, and 7 ft depth with most test holes having rates >120 MPI. The failed tests were canceled after DEH inspector observed the poor absorption rates. Testing at 12 to 24" in support of a drip dispersal system was subsequently conducted with an acceptable average adjusted stabilized percolation rate of 38 MPI. Depth to groundwater exceeds the requirement of 2 ft from bottom of dispersal trenches. SP1 and SP2 were excavated to 13 ft w/ no GW signs.

LEGEND

PROPERTY BOUNDARY
LOT LINE
CENTER LINE
EASEMENT LINE
PAVEMENT
CONCRETE/CLIP OF GUTTER
FENCE
FLOW LINE
TIE LINE

SEWAGE SYSTEM REVIEW
SANTA CLARA COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH
Project Description SR No. SR0862395
New 3 bedroom single family residence with detached garage.

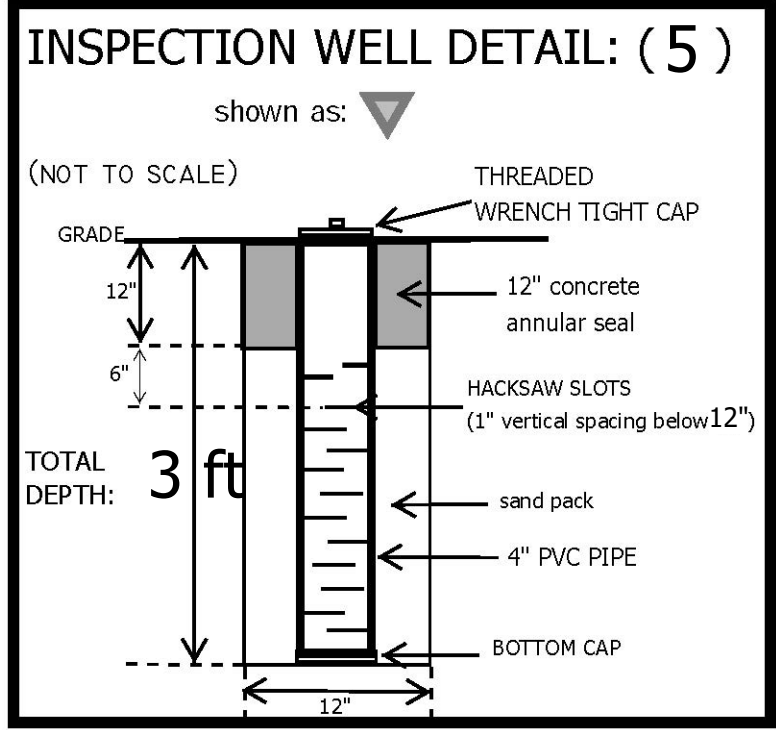
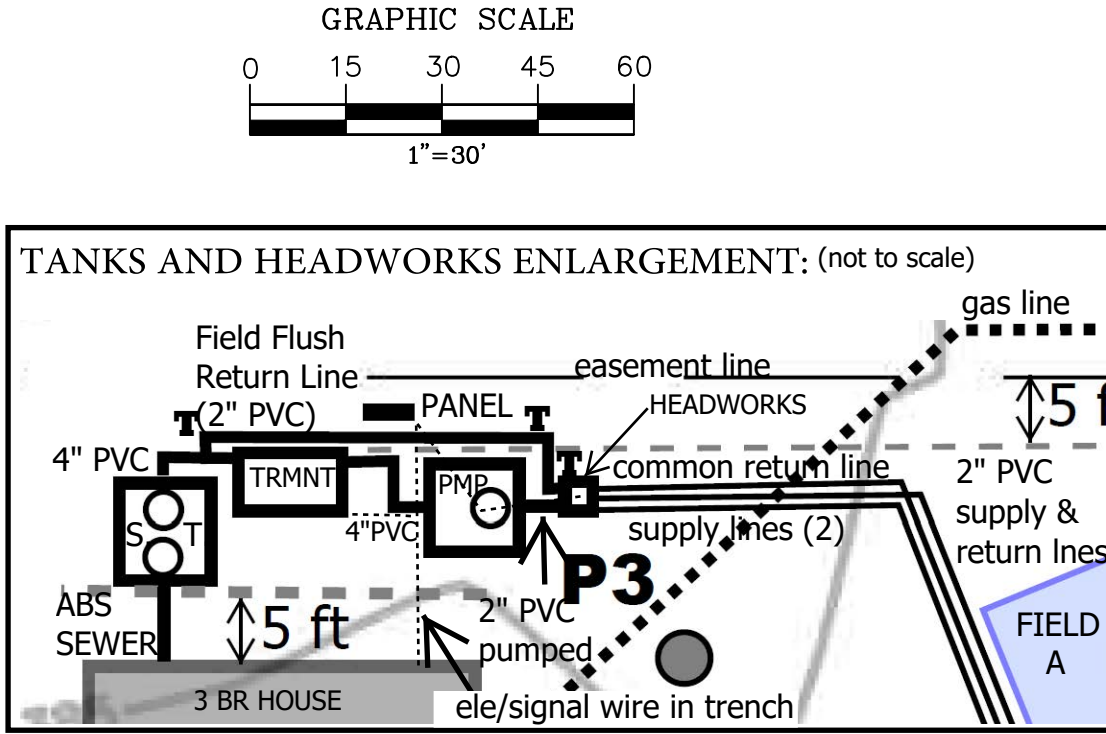
APPROVAL RECOMMENDED
With existing System Permit No. N/A
X Install/modify system per plan (describe below)
(Obtain a permit from Environmental Health)
New 1,500 gal septic tank, AX20RT, 1,250 gal pump tank, 768 sq ft + 768 sq ft dripfields (0.6 gpd/sq ft).
R.E.H.S., darius.haghighi Date 05/06/2020
Not A Sewage System Permit. Plan is void if absent signature.

NOTES

- A CURRENT TITLE REPORT FOR THE SUBJECT PROPERTY HAS NOT BEEN EXAMINED BY GARY D. CARNES, LAND SURVEYOR. EASEMENTS OF RECORD MAY EXIST THAT ARE NOT SHOWN ON THIS MAP.
- TREE SPECIES AND DRIP LINES ARE APPROXIMATE AND SHOULD BE VERIFIED BY A CERTIFIED ARBORIST.
- ALL DISTANCES & DIMENSIONS ARE IN FEET AND DECIMALS THEREOF.
- THE UNDERGROUND UTILITIES SHOWN ON THIS MAP, IF SHOWN, ARE APPROXIMATE AND BASED ON EVIDENCE AT THE SURFACE.
- BUILDING DIMENSIONS SHOWN ON THIS MAP, IF SHOWN, ARE MEASURED FROM THE TRIM, STUCCO OR SIDING AT RIGHT ANGLES TO THE PROPERTY LINES.

ABBREVIATIONS

ASP ASPHALT
CCP CORRUGATED PIPE
CP COVERED PORCH
DI DRAIN INLET
DL DRAIN LINE
DW DRY WELL
E ELECTRICAL METER
FF FINISH FLOOR
FH FIRE HYDRANT
G GAS METER
I IRRIGATION CONTROL VALVE
JVC POWER POLE
PP RIGHT OF WAY
R.O.W. SANITARY SEWER CLEAN OUT
SSCO STORM DRAIN MANHOLE
SDMH SANITARY SEWER MANHOLE
SSMH TELEPHONE POLE
TP WATER VALVE
WM WATER VALVE
R/W RIGHT OF WAY
IP IRON PIPE
EB ELECTRIC BOX



ELECTRICAL BUILDING PERMIT REQUIRED

ALL PVC is SCH. 40, solvent welded, and 150 PSI rated.

Worksheet 1- Field Flow (applies to each identical field) A & B

Total field	
Total Quantity of effluent to be disposed per day	450 gallons / day
Hydraulic loading rate	0.6 gallons / sq. ft. / day
Minimum Dispersal Field Area	750 square ft.
Total Dispersal Field Area	768 square ft.

Flow per zone	
Number of Zones	1 zone(s)
Dispersal area per zone	768 square ft.
Choose line spacing between WASTEFLOW lines	2 ft.
Choose emitter spacing between WASTEFLOW emitters	2 ft.
Total linear ft per zone (minimum required)	384 ft. per zone
Total number of emitters per zone	192 emitters per zone
Select Wasteflow dripline (16mm)	Wasteflow PC - 1/2gph dripline
Pressure at the beginning of the dripfield	20 psi
Feet of Head at the beginning of the dripfield	46.2 ft.
What is the flow rate per emitter in gph?	0.53 gpm
Dose flow per zone	1.70 gpm
If required, choose flush velocity	0.5 ft/sec
How many lines of WASTEFLOW per zone?	3 lines
Fill in the actual length of longest dripline lateral	128 ft.
Flush flow required at the end of each dripline	0.37 gpm
Total Flow required to achieve flushing velocity	1.11 gpm
Total Flow per zone- worst case scenario	2.81 gpm

Select Filters and zone valves	
Select Filter Type	BioDisc Self Flushing Battery
Recommended Filter (item no.)	BioDisc Battery 2 40-70 gpm / 40 psi
Select Zone Valve Type	Electric Solenoid
Recommended Zone Valve (item no.)	0 0

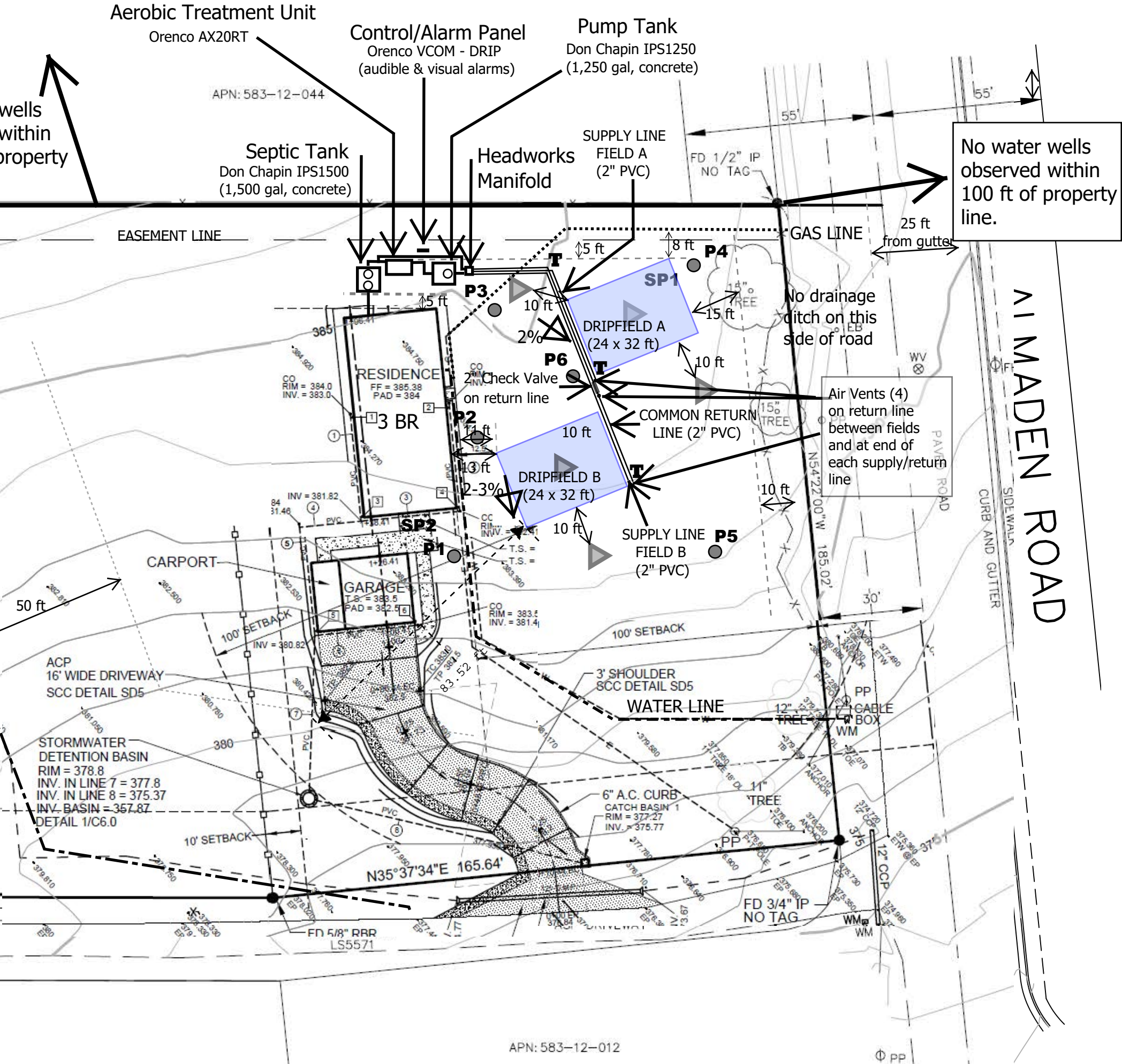
Dosing	
Number of doses per day / zone:	6.3 doses
Timer ON: Pump run time per dose/zone:	42.07 mins.secs
Timer OFF: Pump off time between doses	3.06 hrs.mins
Per Zone - Pump run time per day/zone:	4.25 hrs.mins
All Zones - Number of doses per day / all zones	6.3 doses / day
Allow time for field to pressurize	0:00:30 hrs.mins.secs
Filter flush timer	0:00:20 hrs.mins.secs
Drain timer	0:05:00 hrs.mins.secs
Field flush timer	0:03:00 hrs.mins.secs
Field flush counter	3 cycles
Time required to complete all functions per day	5:20 hrs.mins
Dose volume per zone	71 gallons per dose

- STEP BY STEP INSTALLATION PROCEDURES:
- Stake out all components of system and mark setbacks lines.
 - Prepare dripfield area by removing brush and small shrubs. (Using care to minimizing soil disturbance when removing roots)
 - FENCE OFF DRIPFIELD AREAS to prevent disturbance/compaction of soil. Heavy equipment used to excavate tank pits may only pass over drip area twice - for entry and exit to tank area only.
 - Excavate septic tank, treatment unit and pump tank pit. Install units and backfill as per manufacturers recommendations.
 - Excavate trenching for sewer and septic tight line pipes. Install piping.
 - Excavate trenching for electrical/signal wire conduit. Install wiring.
 - Install driplines and make connections to supply/return lines. Backfill and compact with tract roller, 2 passes. (note driplines are typically installed simultaneously with ripping of 12" depth, 2-3" wide dripline trenches)
 - Backfill components, restore proper grading, cover w/ straw mulch & seed areas.

Coordinate all installation steps with DEH and Designer

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 box(es).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 system size, usage, history, location.



ANNUAL SEPTIC & PUMP TANKS INSPECTION REQUIRED:

- Access risers & lids in good condition.
- Structural integrity - probe interior walls/baffles, inlet/outlet T-pipes.
- Check Bio-Tube effluent filter and clean if needed.
- Septic tank liquid level - should be at outlet invert in tank.
- Pump tank electrical & signal wires in good condition.
- Pump tank proper operation of float switches.

SEPTIC TANK SHALL BE PUMPED OUT WHENEVER SOLIDS OR FLOATING MATERIAL EXCEED 30% OF TANK VOLUME OR ENCRUST ON INLET/OUTLET T'S.

MINIMUM SEPTIC TANK PUMPING FREQUENCY IS 3 TO 5 YEARS. PUMP TANK to be pumped out when debris may encroach on pump intake.

ONGOING MONITORING & REPORTING REQUIREMENTS:

(must be performed by licensed professional or service provider)
YEARS 1 - 4: Semi-annually // YEARS 5+ of operation: Annually

- Record wastewater flow based on water meter readings or other method
- Measurement and recording of water levels in inspection wells.
- Inspection of pump and valves operation, including squirt test.
- Inspection of dispersal fields for seepage, erosion, etc.

MONITORING REPORT SHALL BE SIGNED BY LICENSED PROFESSIONAL AND SUBMITTED TO DEH IN ACCORDANCE WITH THE SYSTEM OPERATING PERMIT.

ON-SITE WATER TIGHTNESS TESTING

(REQUIRED PRIOR TO SEPTIC TANK & PUMP TANK USE)

- FILL TANK TO 2" INTO RISER
- LET TANK SIT FOR 3 HOUR
- OBSERVE WATER LEVEL IN RISER BEFORE AND AFTER 1 HR PERIOD
- IF LEVEL HAS FALLEN, INSPECT FOR LEAKS
- REPAIR ANY LEAKS AND REPEAT TEST

ADVANTAGE TREATMENT UNIT: Installation and routine ongoing maintenance by Advantex certified service provider only.

Construction Inspections Required w/ Designer & DEH:

- Layout Inspection - All components staked or painted
- Open Trench Inspection - Components in & not covered
- Pump Test - Pumps, hydraulics, and alarms operational.
- Septic & Pump Tank Water Tightness Testing.
- Final inspection - All components covered.

Owner Responsibility for Alternative Type Septic System:

Owner will acknowledge that the property is served by an alternative drip dispersal w/ treatment septic system requiring an ongoing service contract, maintenance, and an annual DEH operating permit and have this recorded on the property title and deed.

SOIL PROFILE RESULTS CONVENTIONAL SYSTEMS

SR #: 0862395 DATE OF INSPECTION: 12/28/19
APN #: 583-P2-010 OWNER: Suraj Chandrasekaran
APPLICANT: Chandrasekaran Property
SITE ADDRESS: 9505 Almaden Rd. SJ
CONDUCTED BY: Chris Day CHECKED BY: Peter Estes

HOLE #:	SP1	HOLE #:	SP2
1 ft.	Sandy clay, brown, damp	1 ft.	Same
2 ft.	Same	2 ft.	Same
3 ft.	Same	3 ft.	Same
4 ft.	Sandy light brown, gravel clay, more sandy, damp to dry	4 ft.	Same
5 ft.	Same	5 ft.	Same
6 ft.	sand, light brown gravel to med. um rocks, little clay, dry	6 ft.	Same
7 ft.	Same	7 ft.	Same
8 ft.	Same	8 ft.	Same
9 ft.	Same	9 ft.	Same
10 ft.	Same	10 ft.	Same
11 ft.	Same	11 ft.	Same
12 ft.	Same	12 ft.	Same
13 ft.	end of dig no groundwater at time of inspection	13 ft.	end of dig no groundwater at time of inspection
14 ft.		14 ft.	
15 ft.		15 ft.	
16 ft.		16 ft.	
17 ft.		17 ft.	
18 ft.		18 ft.	
19 ft.		19 ft.	
20 ft.		20 ft.	

COMMENTS:

CARNES & ASSOCIATES

9505 SUGAR BABE DRIVE
GILROY, CALIFORNIA 95020

No.	DATE	REVISION

TOPOGRAPHIC MAP
FOR SURAJ CHANDRASEKARAN
DOC. NO. 22858879
COUNTY OF SANTA CLARA, CALIF

NEW DRIP DISPERSAL w/ PRETREATMENT SEPTIC SYSTEM
(To Serve Proposed 3 BR Residence)

DATE : 11-5-2019
SCALE : 1"=30'
DRAWN BY : T.W.
PROJ. MANAGER :

SHEET 1 OF 1
Job No. 19104

PLAN BY: Christopher Day, R.E.H.S.
P.O. Box 26, Redwood City, CA 94064
Tel. 408-293-1045
Email: christopherday@aol.com
ORIG 3/2/2020
REV 1: 4/18/2020
OWNER: Suraj Chandrasekaran
Tel. 408-666-0600
Email: csuraj@gmail.com
Property on Almaden Rd., San Jose, CA 95120
APN 583-12-010
SITE PLAN
OWTS 1

TANKS & TREATMENT:

Effluent Filter:

Orenco Biotube Filter
Model FTS0444-36V

Septic Tank sizing:

2 x peak flow (450 gpd) = 900 gpd
Tank size of 1,500 gal exceeds 2 x flow

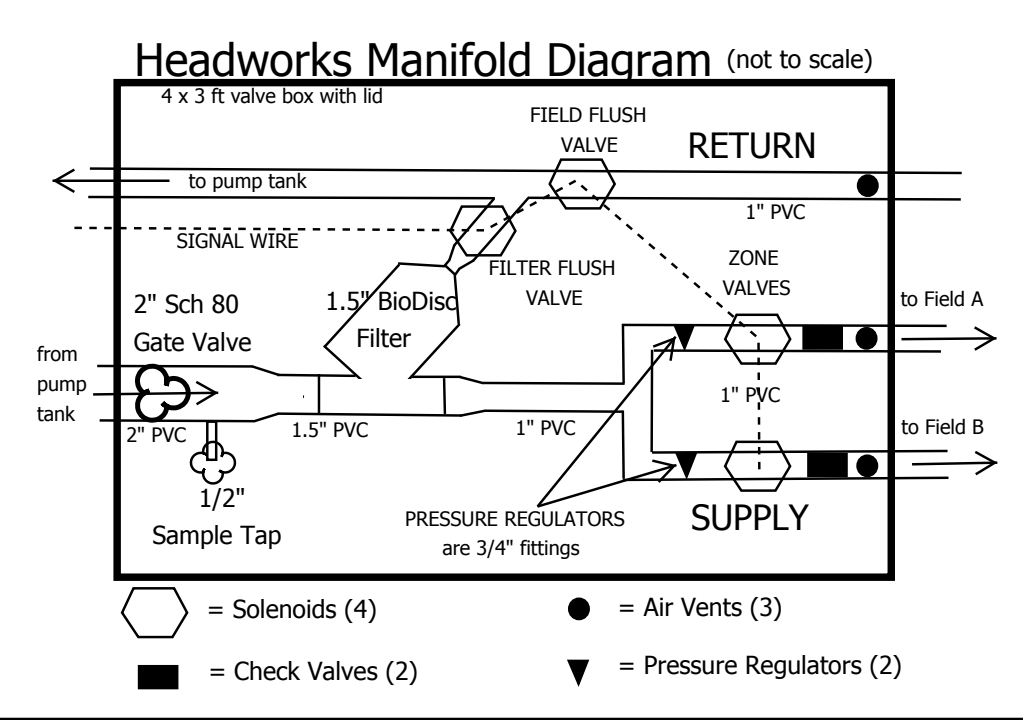
Tanks risers & lids:

Septic Tank: Orenco RR2412 (2) risers
Pump Tank: Orenco RR2424 (1) riser
Orenco RR2424S (1) riser
Lids: FLD24G (4) lids

Elevations, Pipe Runs & Slopes:

Finished Floor: 383.6
Septic Tank: Inlet - 383.4, Outlet - 383.2 - (Burial Depth 9")
AX20 Unit: Inlet - 383.1, Outlet - 382.0 - (Lid 2" above grade)
Pump Tank: Inlet - 381.7, Outlet - 381.5 (Burial Depth 30")
NOTE: 3 inches of fill to be placed at grade over septic tank
Sewer Line: 3% slope (6 ft) // Tank to AX: 1% slope (8 ft)
AX to Pump: 3% slope (10 ft)

HEADWORKS AND PUMP:



Worksheet - Pump Sizing	
Section 1 - Summary from Worksheet 1	
Flow required to dose field	1.70 gpm
Flow required to flush field	1.11 gpm
Flow required to dose & flush field	2.81 gpm
Filter	BioDisc Battery 2
No. of Zones	1 zones
Zone valve	-
Drip line	Wasteflow PC - 1/2gph
Drip line longest lateral	128.00 ft

Section 2		ft of head	Pressure
A. Flush line - Losses through return line			
Select Pipe from dropdown menu	PVC schedule 40		
Select Flush Line Diameter	2" inch		
Length of return line	130 ft		
Equivalent length of fittings	102 ft		
Elevation change (if downhill enter 0)	3 ft		
Pressure loss in 100 ft of pipe	0.00 ft	0.00 psi	
Total pressure loss from end of drip line to return tank	1.0 ft	0.44 psi	
B. Drip line - Losses through Wasteflow drip line			
Length of longest drip line lateral	138 ft		
Minimum dosing pressure required at end of drip line	23.10 ft	10.00 psi	
Loss through drip line during flushing	4.97 ft	2.16 psi	
Total minimum required drip line pressure	28.07 ft	12.16 psi	
A+B. Minimum Pressure required at beginning of drip line			
CALCULATED pressure required at beginning of drip	28.08 ft	12.58 psi	
SPECIFIED pressure at beginning of drip (from V)	48.2 ft	20.00 psi	
Greatest SPECIFIED Pressure is greater than CALCULATED Pressure requirement. Go to next step			
C. Drip components - Losses through headworks			
Filter	11.1 ft	4.80 psi	
Zone valve pressure loss (not in diagram)	- ft	- psi	
Flow meter pressure loss (not in diagram)	- ft	- psi	
Other pressure losses	- ft	- psi	
Total loss through drip components	11.09 ft	4.80 psi	
D. Supply line - Minimum Pressure head required to get from pump tank to top of drip field			
Select Pipe from dropdown menu	PVC schedule 40		
Select Supply line diameter	106 ft		
Length of supply line	1292 ft		
Equivalent length of fittings	5 ft		
Elevation change (if downhill enter 0)	3 ft		
Pressure loss/gain in 100 ft. of pipe	0.02 ft	0.01 psi	
Total gain or loss from pump to field	8.2 ft	3.60 psi	
Total dynamic head	85.6 ft	38.40 psi	
Pump capacity * - Field Flush Flow	2.8 gpm	28.40 psi	
- Field Dose Flow	1.7 gpm		
- Filter Flush Flow	40.0 gpm	40.00 psi	
Pump Model Number	Franklin 10LE05P4-2W115		
Volt / Hp / phase	115 / 1/2 / 1		

PUMP SELECTION CALCULATIONS & GEOFLOW WORKSHEET INPUTS:	
FLOW RATE - From Geoflow Worksheet 2.8 gpm	PRESSURE - From Worksheet & Calc. Below: 66 ft
Note: All PVC is Schedule 40. f = L (Q/K) ^{1.85} (SOURCE: COWA Manual, p. 154) Some lengths & elevations are exaggerated for conservative calculation	
Note that calculations for Field B will be sufficient to ensure requirements for Field A are met due to greater elevation change & longer run.	
A. 2" Flush Line: Equivalent Length of Fittings = 102 ft 2" Solenoid in Headworks = 0 ft 5 x 90" + 0 X 45" = 5 x 5.5 ft + 0 x 2.5 ft = 28 ft Return line length = 130 ft T-Branch Runs (1) = 1 x 12 ft = 12 ft Elevation Change: 1 ft (384 driplines - 383 AX20 inlet) 3/4"-2" pipe expansion = 42 ft	
B. Drip line - Length of Longest Lateral (138 ft): 128 ft emitter line + 3 ft blank tubing + 3 ft PVC to supply/return + 4 ft for 2x90" 3/4" PVC.	
C. Drip Components: 2" Solenoid headless is zero. (From Geoflow headless chart) Equivalent Length Headwork Fittings is 2.4 ft (2xGate Valve) + 19 ft (Check Valve) + 12 ft (T-Branch) + 5.5 ft (90 Elbow) = 39 ft Headless due to Equivalent Length of Fittings = 39 ft (12.8 gpm/284.5) = 0.0 ft	
D. Supply Line: Length of Supply Line: 106 ft (5 ft in tank, 100 ft across manifold and to end of Field B) Equivalent Length of Fittings: 1,292 ft (3 x 90" + 0 x 45" (17 ft) // 4 x T-Branch, (48 ft) // 2 x T-Branch (8 ft) // 3/4"-2" fitting at lateral (1,200 ft) // check v (19ft) Lift in Pump Tank: 5 ft // Elevation Change: 3 ft (384 driplines - 381 pump tank outlet)	
This design point (2.8 gpm @ 66 ft) are labeled on the performance curve for the selected pump: Franklin High Head Filtered Submersible Effluent Pump - 10LE05P4-2W115 (115 V, 1/2 HP)	

Geoflow Fittings:

Air Vents:

3 in headworks
1 upstream of check valve on return line
3 at ends of supply/return lines

Part No.	APVBK75L	APVBK100L
Inlet	3/4"	1"
Max Pressure	80 psi/185 ft	80 psi/185 ft
Max Temp	140°F	140°F
Height	5"	5.5"
Weight	1 oz.	1.2 oz.

Pressure Regulators:

3 in headworks

Item: PMR-30MF

Item No.	Outlet Pressure	Flow Range	Max. Inlet Pressure	Inlet / Outlet
PMR-20-LF	20 psi	1/8-8 gpm	150 psi / 347 ft	1/2" / 1/2" ft
PMR-20-MF	20 psi	2-20 gpm	150 psi / 347 ft	1" / 1" ft
PMR-20-HF	20 psi	10-32 gpm	100 psi / 231 ft	1.25" / 1" ft
PMR-20-SF	20 psi	20-90 gpm	90 psi / 208 ft	3" / 3" ID slip
PMR-30-LF	30 psi	1/8-8 gpm	150 psi / 347 ft	1/2" / 1/2" ft
PMR-30-MF	30 psi	2-20 gpm	150 psi / 347 ft	1" / 1" ft
PMR-30-HF	30 psi	10-32 gpm	100 psi / 231 ft	1.25" / 1" ft
PMR-30-LF	40 psi	1/8-8 gpm	150 psi / 347 ft	3" / 3" ID slip
PMR-40-MF	40 psi	2-20 gpm	150 psi / 347 ft	1" / 1" ft
PMR-40-HF	40 psi	10-32 gpm	100 psi / 231 ft	1.25" / 1" ft
PMR-50-MF	50 psi	20-90 gpm	125 psi / 289 ft	3" / 3" ID slip
PMR-50-HF	50 psi	10-32 gpm	100 psi / 231 ft	1.25" / 1" ft
PMR-50-SF	50 psi	20-90 gpm	125 psi / 289 ft	3" / 3" ID slip

Solenoid Valves:

4 in headworks

Part No.	BioDisc-150FM	BioDisc-200FM
Inlet/Outlet	1.5 in. MPT	2 in. MPT
Flush port	0.75 in. MPT	2 in. MPT
Max. Flow Rate	30 gpm	40 gpm
Max. Rec. Daily Flow Rate	600 gpd	1500 gpd
Max. Temp.	140°F	140°F
Max. Pressure	116 psi/270 ft	145 psi/335 ft
Dimensions	10.5" x 13.5"	26" x 12.2"
Filtration	150 mesh (20 micron)	150 mesh (20 micron)

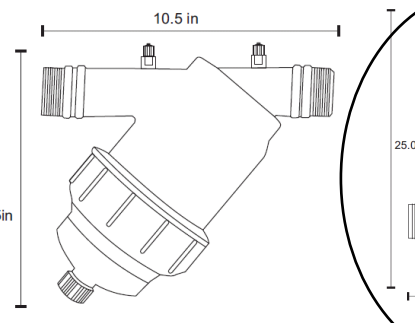
Check Valves:



1 in pump tank
2 in headworks
1 on return line between fields

Model No.	Inlet/Outlet (FPT or socket)	Length (inches)	Height (inches)	Max Temp (F)
CVS-05	0.5"	4.13"	2.22"	140 °
CVS-10	1.0"	5.25"	2.88"	140 °
CVS-15	1.5"	5.9"	3.89"	140 °
CVS-20	2.0"	7.0"	4.29"	140 °

Biodisc Filter:



Part No.	BioDisc-150FM	BioDisc-200FM
Inlet/Outlet	1.5 in. MPT	2 in. MPT
Flush port	0.75 in. MPT	2 in. MPT
Max. Flow Rate	30 gpm	40 gpm
Max. Rec. Daily Flow Rate	600 gpd	1500 gpd
Max. Temp.	140°F	140°F
Max. Pressure	116 psi/270 ft	145 psi/335 ft
Dimensions	10.5" x 13.5"	26" x 12.2"
Filtration	150 mesh (20 micron)	150 mesh (20 micron)

TREATMENT UNIT:

AX20RT Treatment System - Gravity Discharge

UNIT IS RATED FOR UP TO 4 BEDROOMS RESIDENTIAL USE.

Filter Tank Dry Weight: 860 lbs

Design Notes

For residential strength waste up to 4 bedrooms.

Installation to be performed by an AdvanTex Authorized Installer only.

Start-up and service to be performed by an AdvanTex Authorized Service Provider only.

Control Panel Model: VCOM-AXB1-PT1BMZ (DRIP) 1-4 ZONES DUAL VOLTAGE. (2" PVC discharge line)

THIS UNIT PROVIDES EMERGENCY STORAGE of 500 GAL.

1,500 gal. Primary Tank - Top View

AX20 800 gal. Recirc. Tank - Top View

1,500 gal. Primary Tank - Side View

AX20 800 gal. Recirc. Tank - Side View

Discharge Chamber - End View

Effluent filter at outlet of septic tank (FTS0444-36V)

1,500 gal. Primary Tank - Top View

AX20 800 gal. Recirc. Tank - Top View

1,500 gal. Primary Tank - Side View

AX20 800 gal. Recirc. Tank - Side View

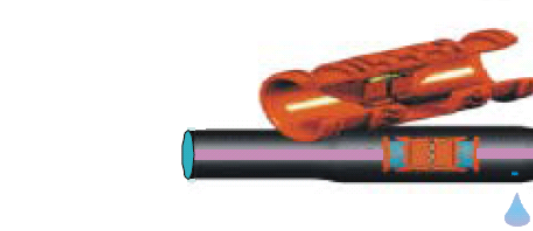
Discharge Chamber - End View

DRIPLINE

SPECIFICATIONS:

Emitter Spacing: 24"
Line Spacing: 24"

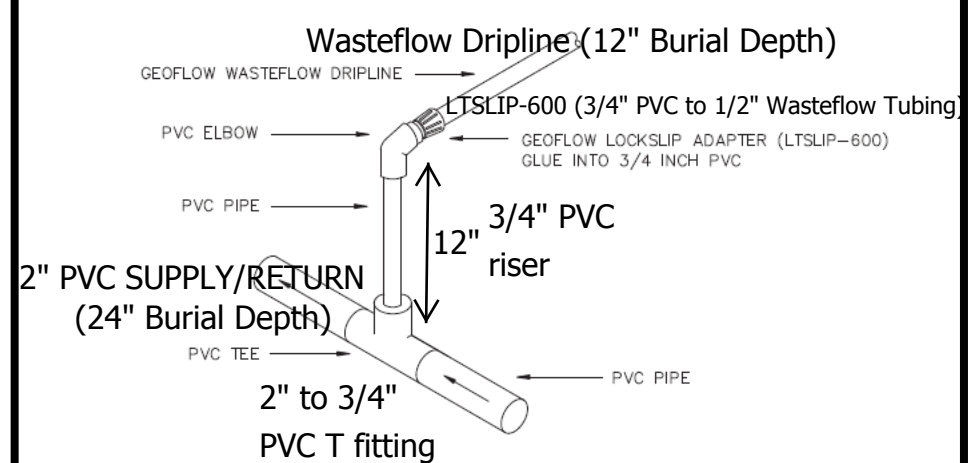
WASTEFLOW PC 1/2 gph



Flow Rate vs. Pressure

Pressure	Head	Flow Rate
7-60 psi	16-139 ft.	1/2 gph PC dipline
		0.53 gph

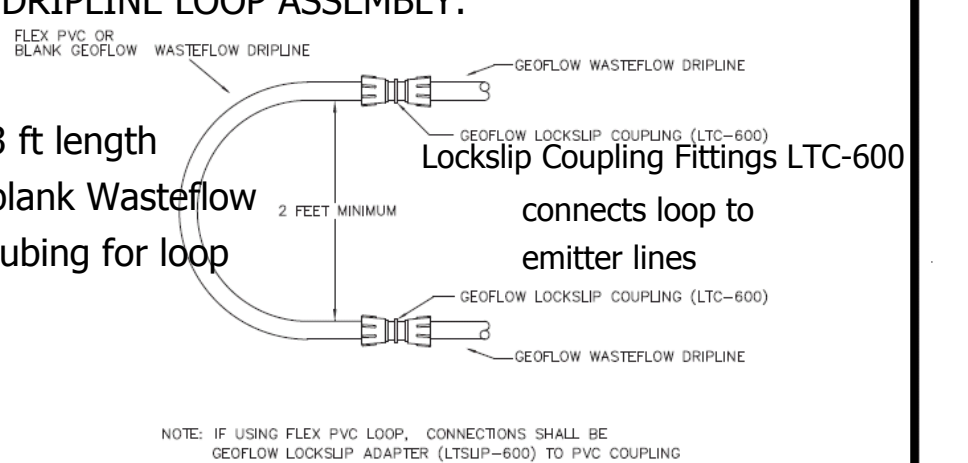
SUPPLY & RETURN LINE CONNECTIONS:



Standard Models:	
WPC16-2-24	WASTEFLOW PC 24"/.53gph or 2lph
WPC16-2-16	WASTEFLOW PC 16"/.33gph or 2lph
WPC16-2-12	WASTEFLOW PC 12"/.33gph or 2lph

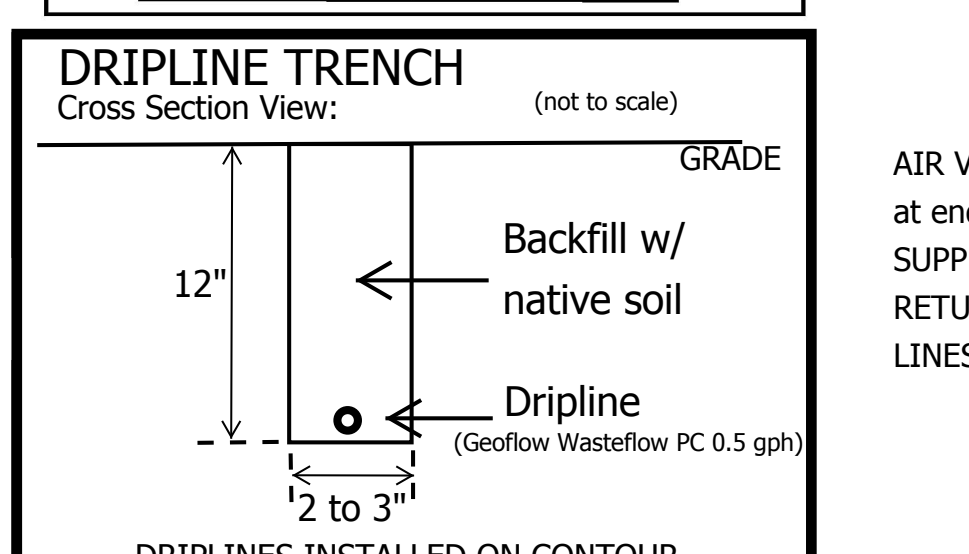
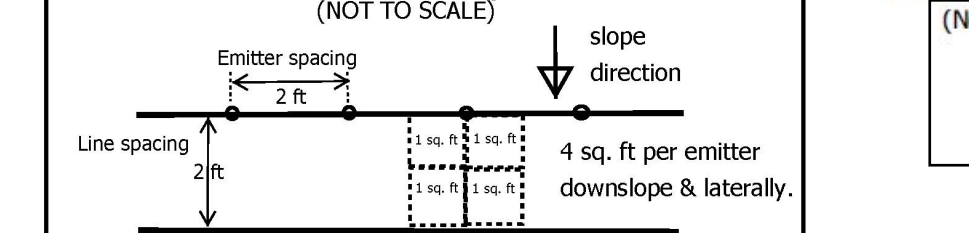
Alternative spacing, flow rates and diameters available

DRIPLINE LOOP ASSEMBLY:

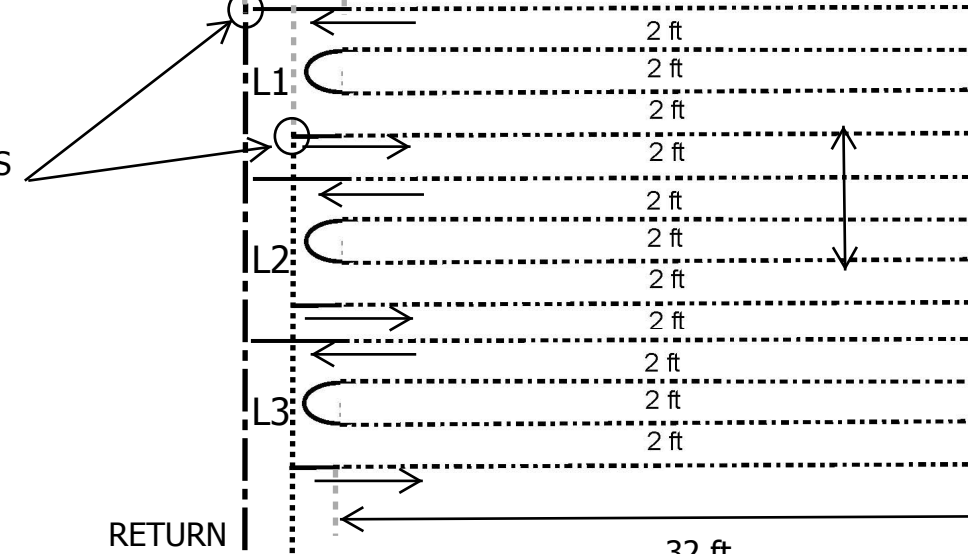
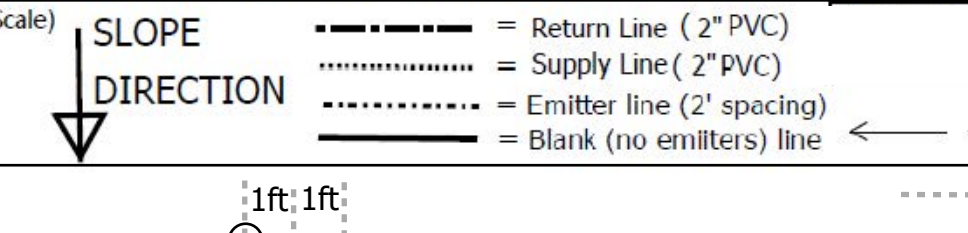


SUPPLY & RETURN LINE TO DRIPLINE - SIDE VIEW: (NOT TO SCALE)	
Blank Wasteflow tubing	LTC-600 fitting
2" PVC Supply	2" PVC Return
2" PVC Supply	2" PVC Return

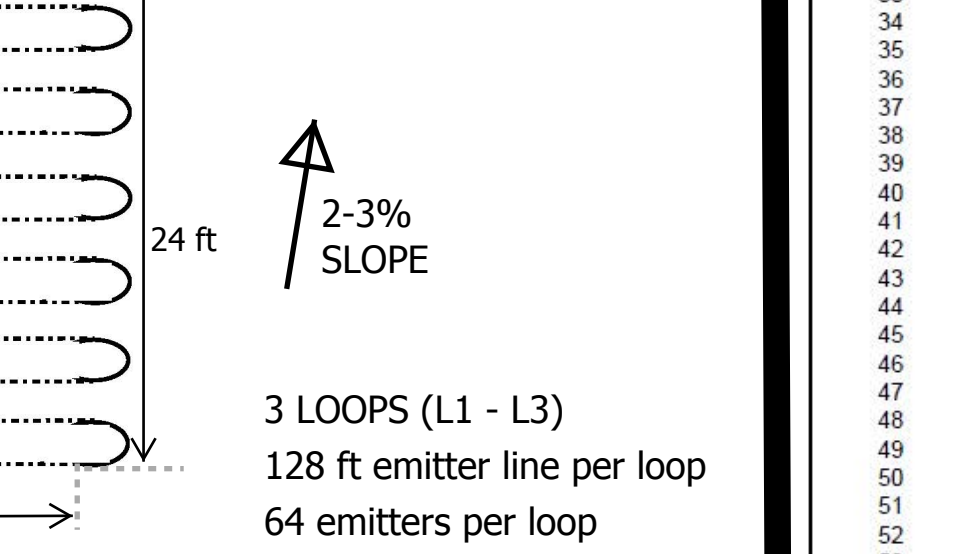
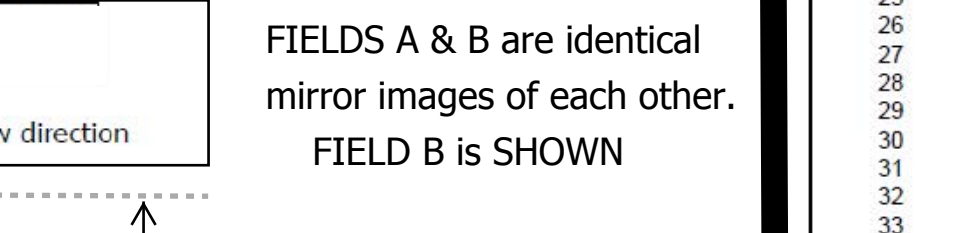
INFILTRATIVE AREA per EMITTER:



DRIPLINE TRENCH



DRIPLINE TRENCH



DRIPLINE TRENCH

