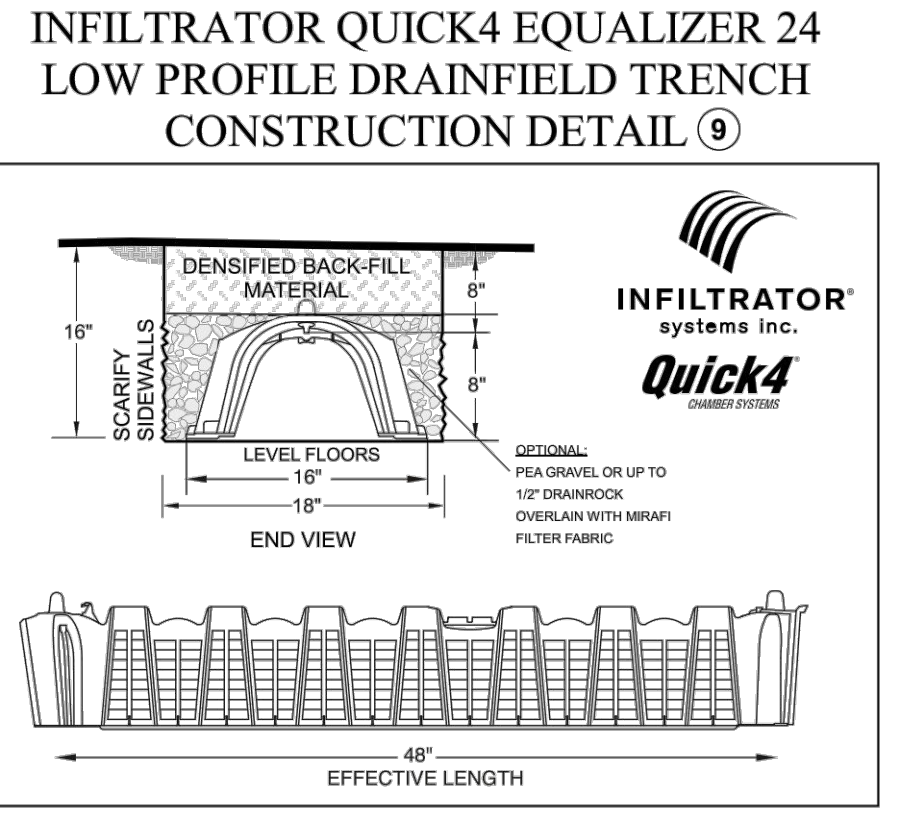
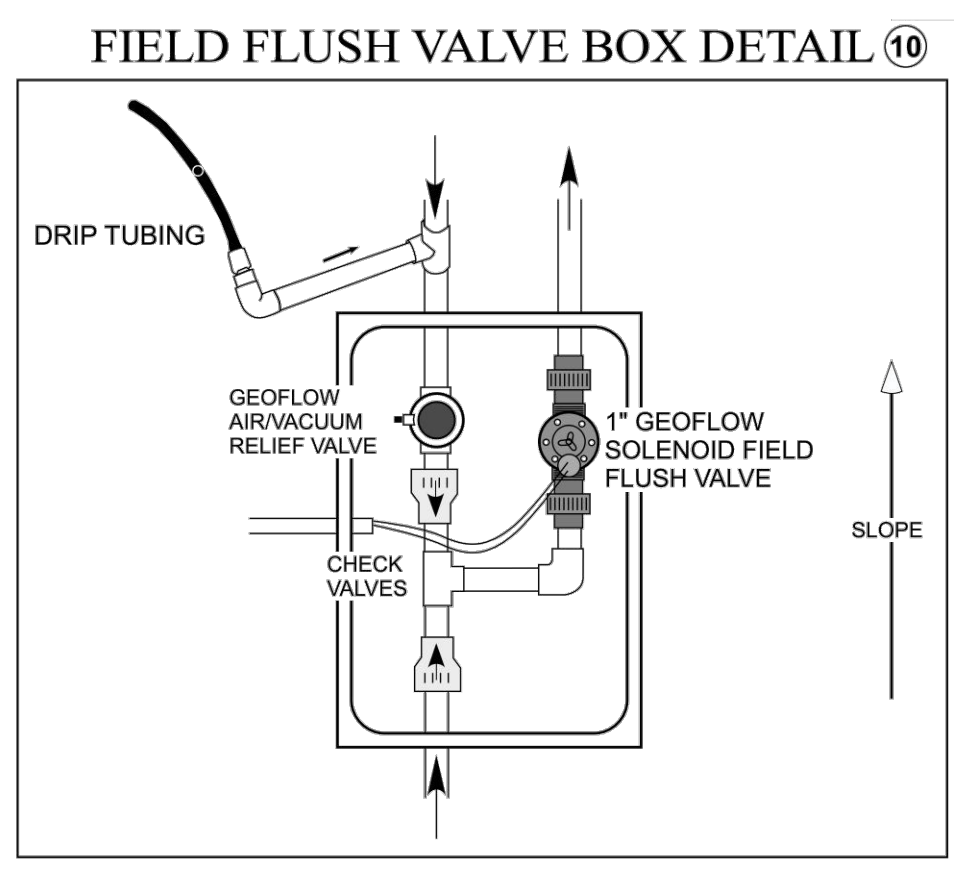
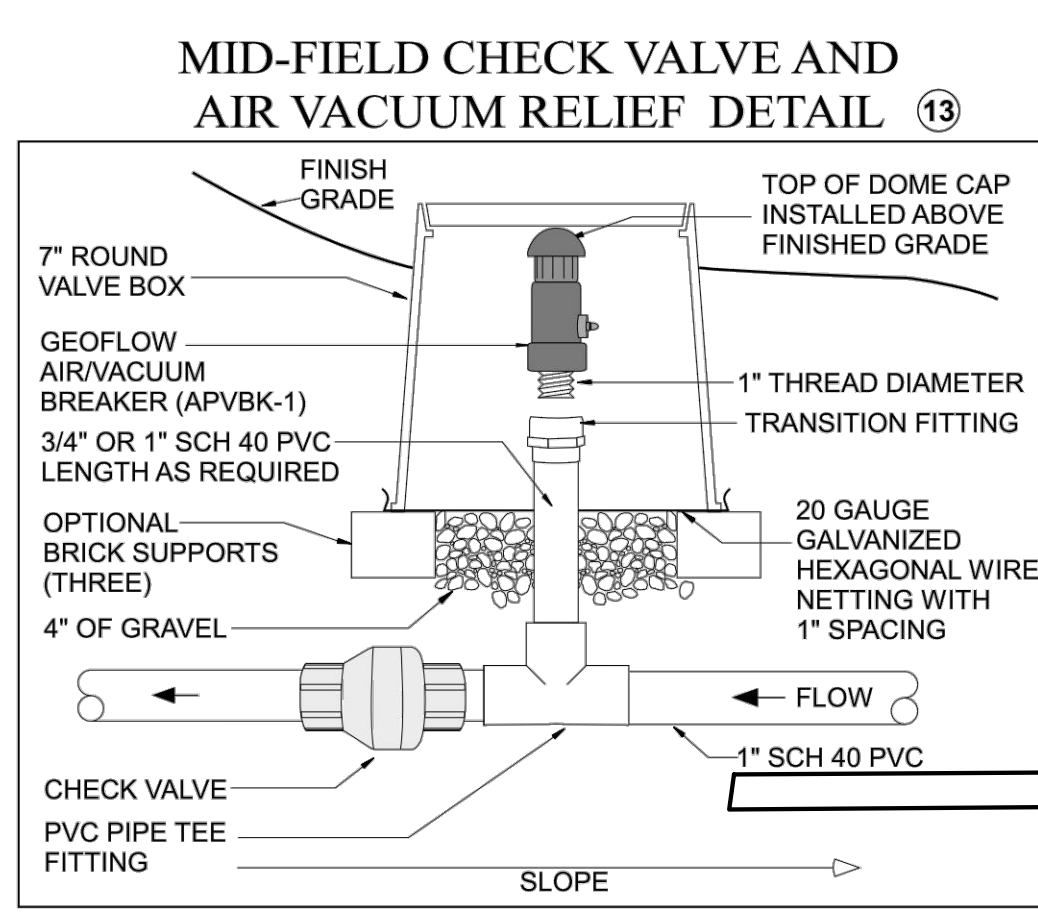
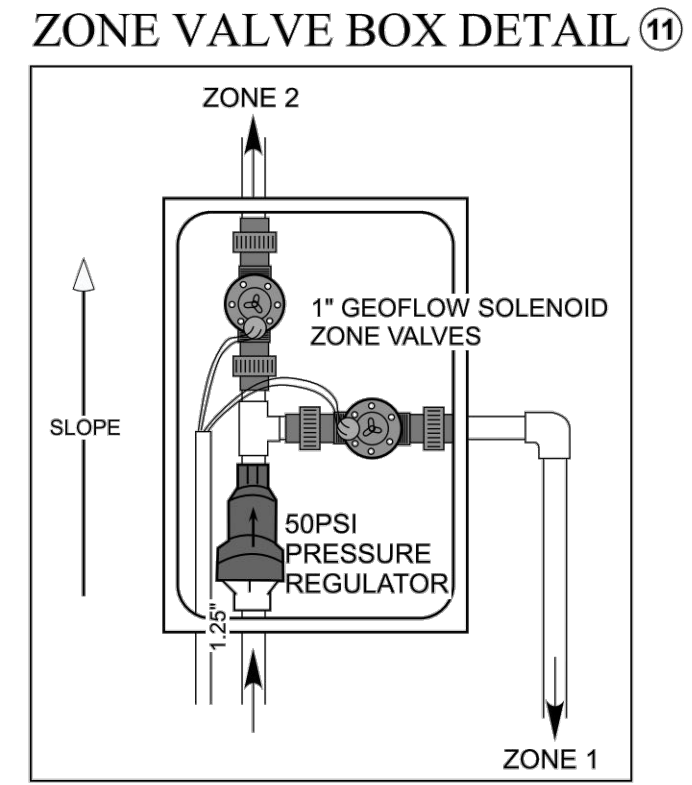
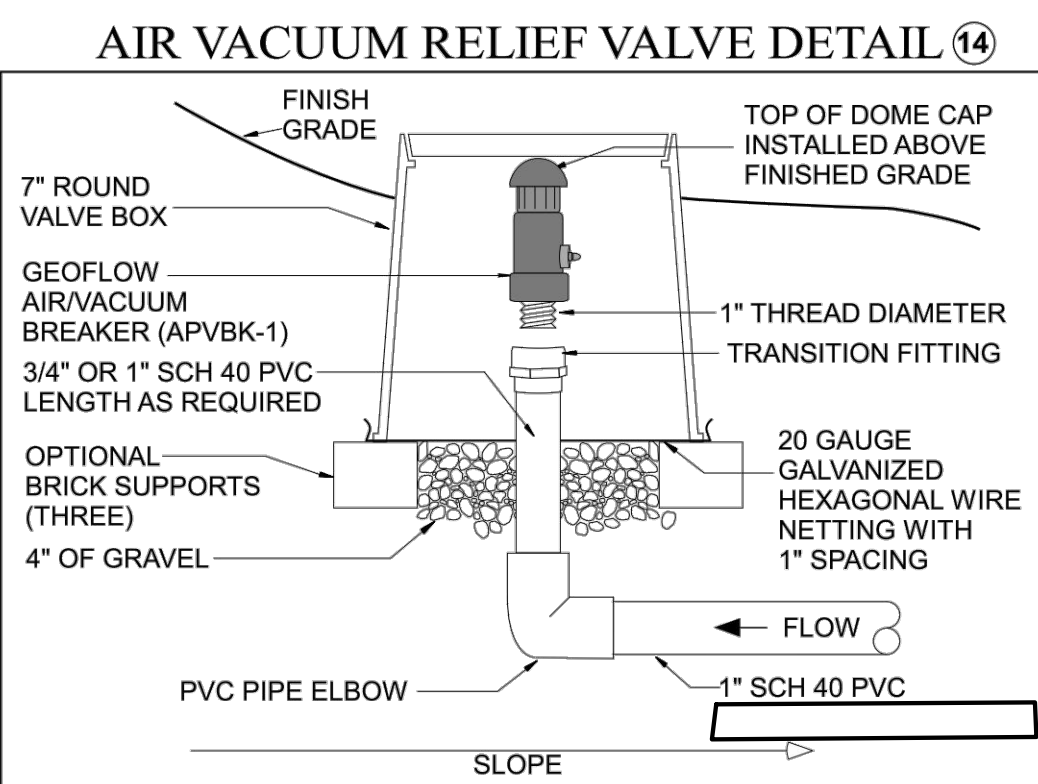
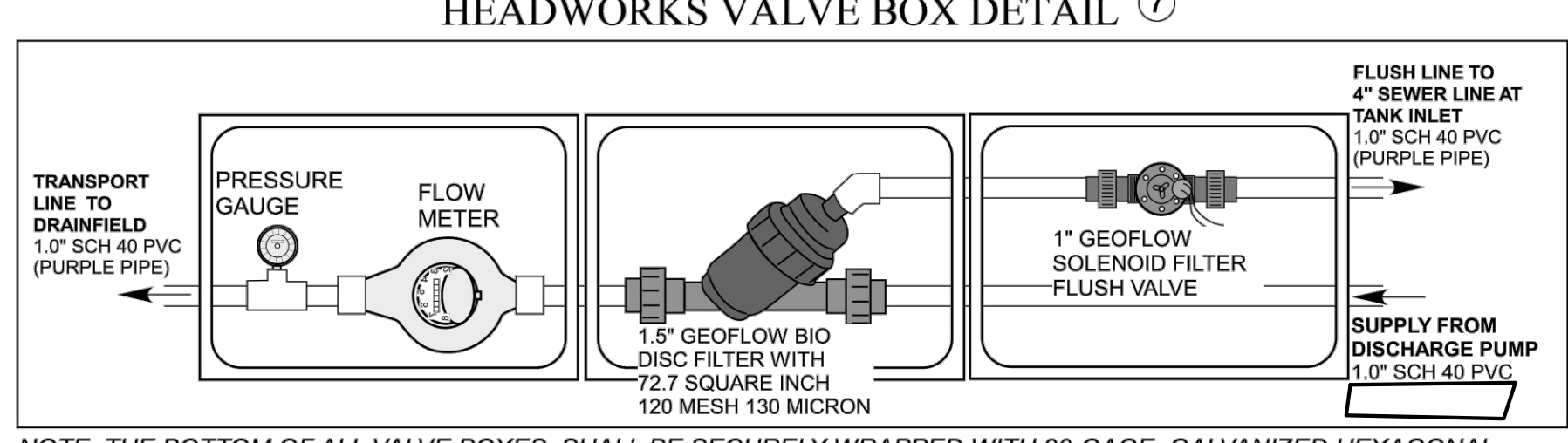
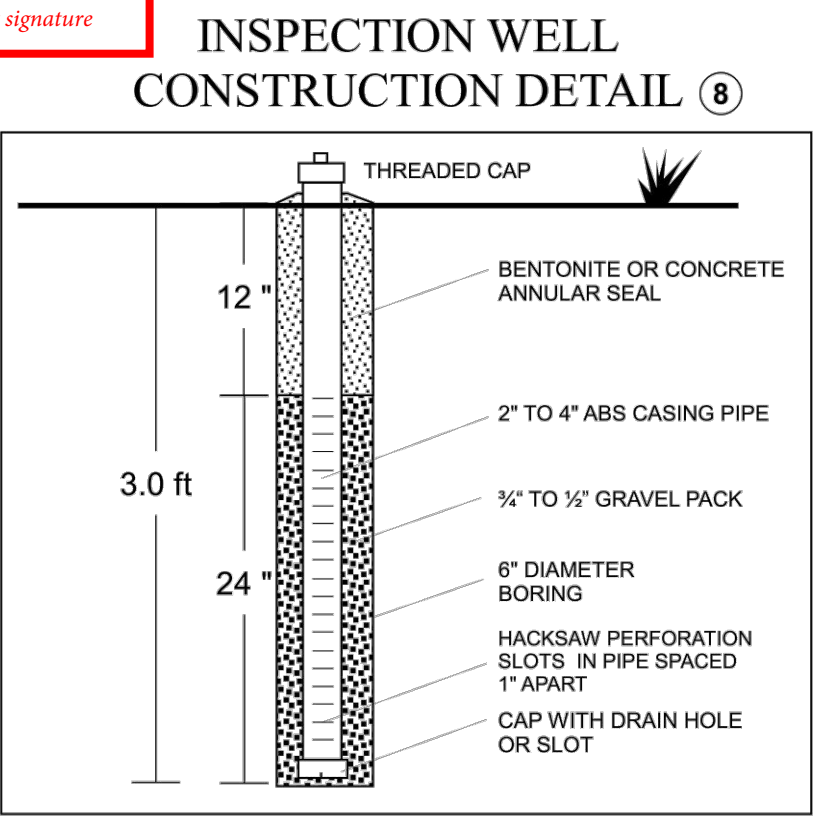
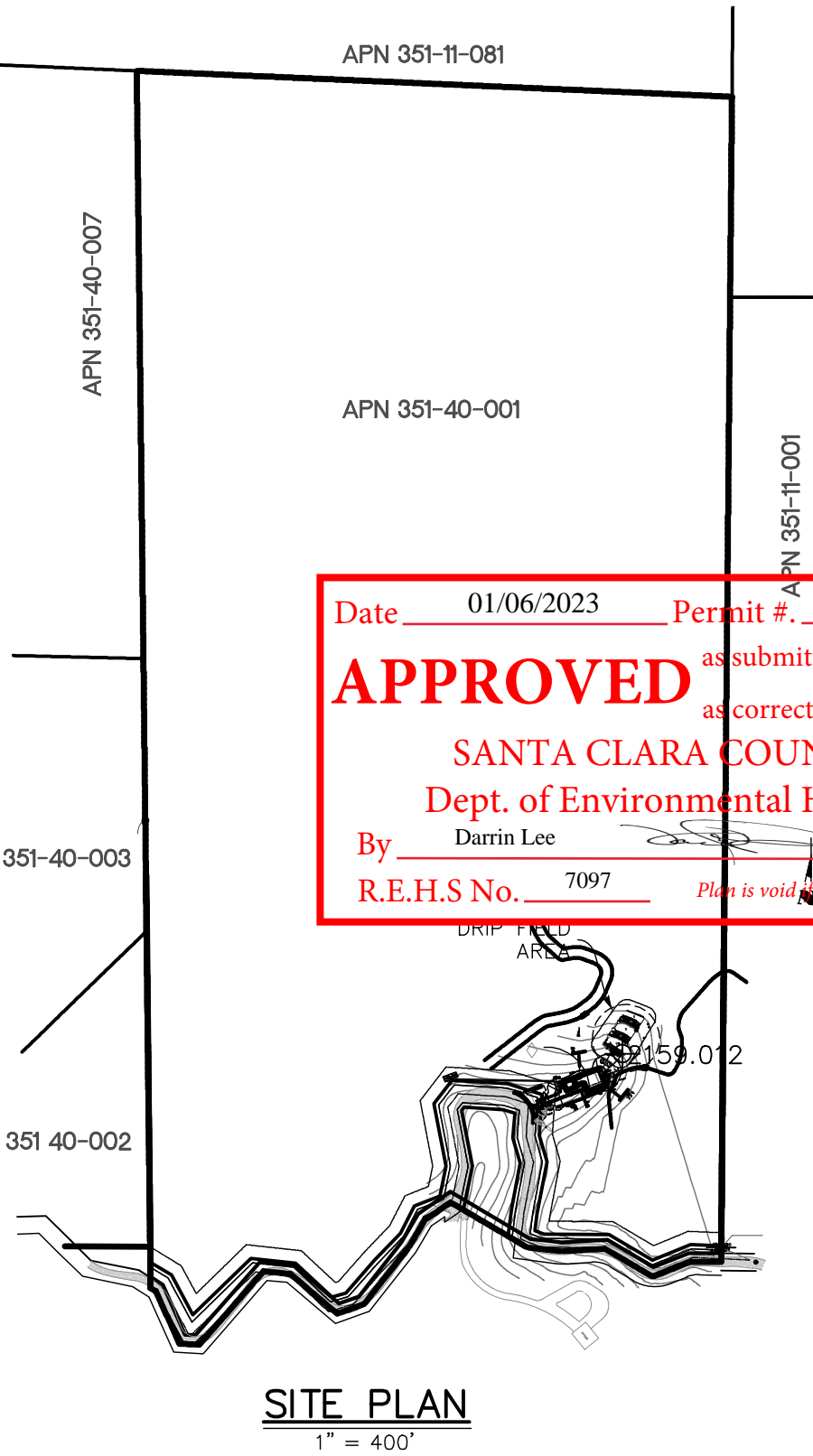
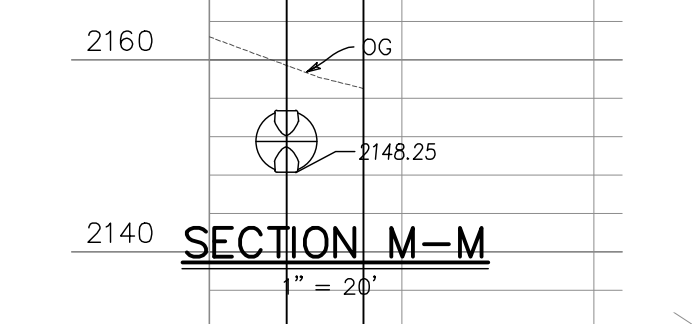
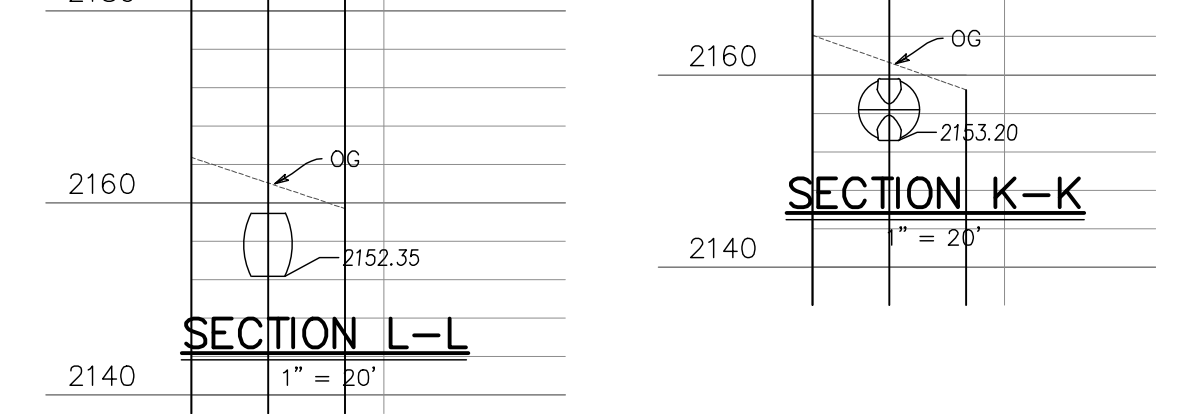
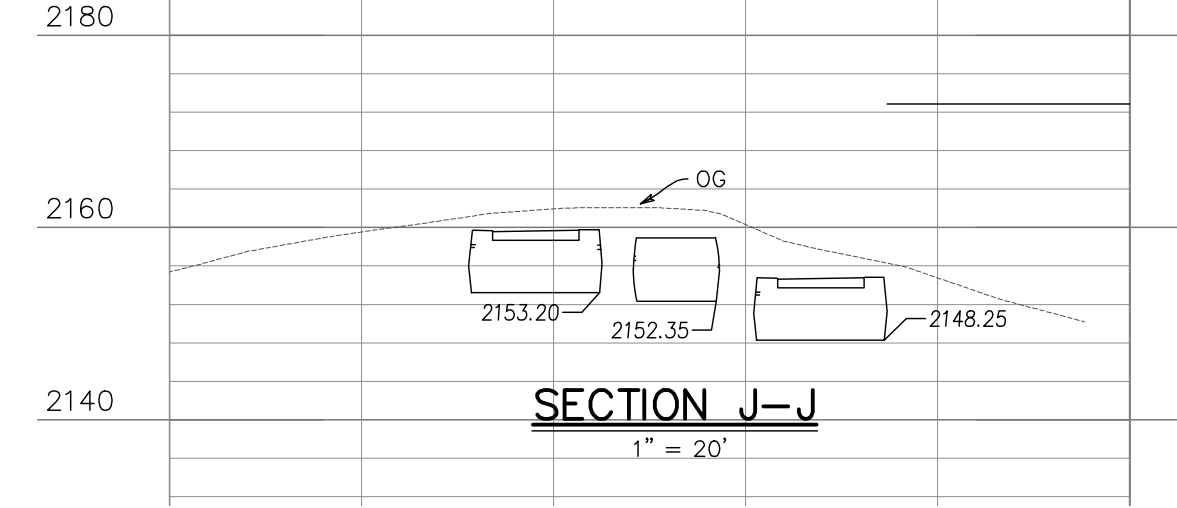
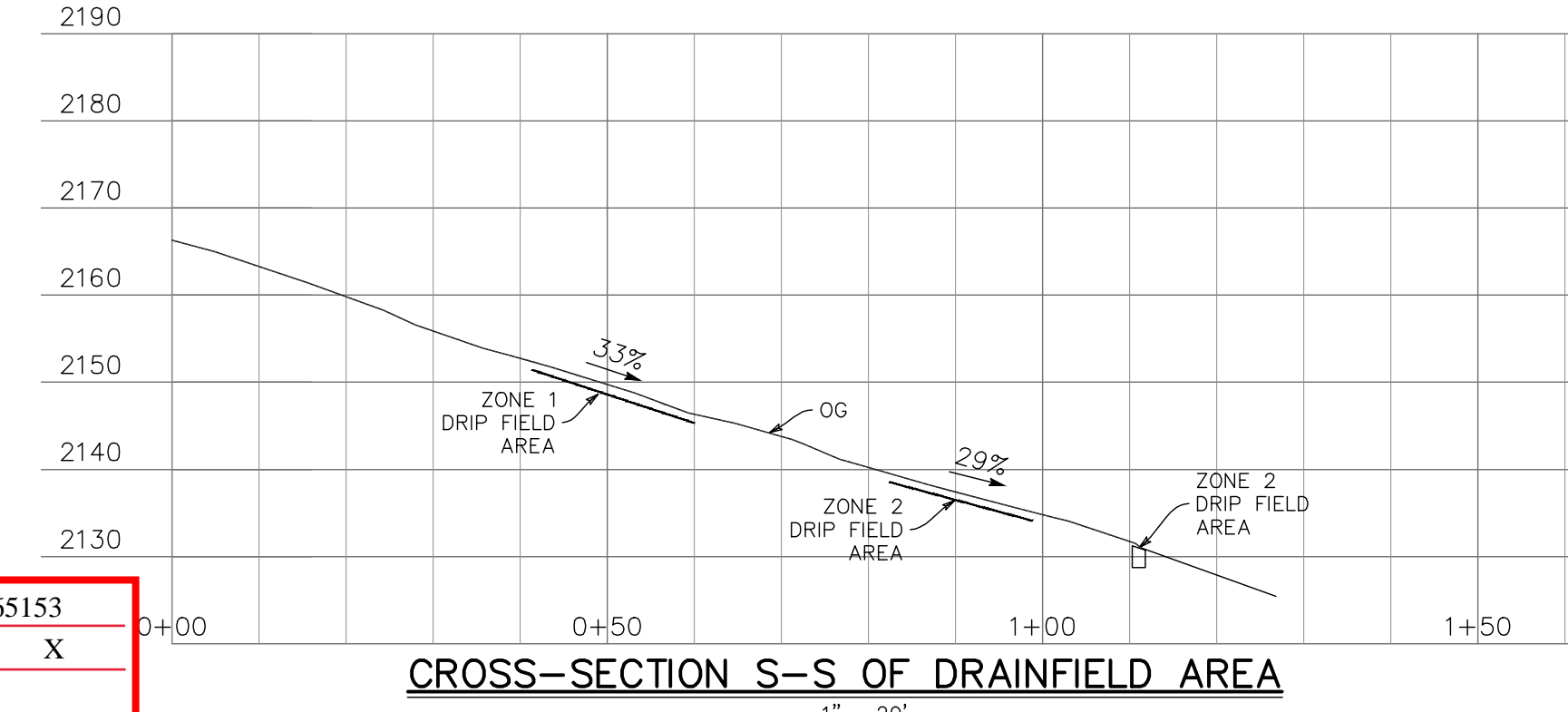


Date 01/06/2023 Permit # 65153  
 as submitted X  
 as corrected  
**APPROVED**  
 SANTA CLARA COUNTY  
 Dept. of Environmental Health  
 By Darin Lee R.E.H.S.  
 R.E.H.S. No. 7097  
 Plan is void if absent signature



CONSTRUCTION INSPECTION: AT A MINIMUM, INSPECTION OF THE DRIP DISPERSAL SYSTEM INSTALLATION SHOULD INCLUDE THE FOLLOWING. THIS IS IN ADDITION TO INSPECTION WORK REQUIRED FOR THE TREATMENT SYSTEM. JOINT INSPECTION BY THE DESIGNER, CONTRACTOR, AND DEH MAY BE REQUIRED.

- PRE-CONSTRUCTION INSPECTION WHERE THE CONSTRUCTION STAKING OR MARKING OF THE DRIP LINES, SUPPLY AND RETURN PIPING, PUMP SYSTEM AND APPURTENANCES IS PROVIDED AND CONSTRUCTION PROCEDURES DISCUSSED;
- 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;
- FUNCTIONING AND SETTING OF ALL CONTROL DEVICES; AND
- FINAL INSPECTION TO VERIFY THAT ALL CONSTRUCTION ELEMENTS ARE IN CONFORMANCE WITH THE APPROVED PLANS, SPECIFICATIONS, AND MANUFACTURE RECOMMENDATIONS; ALL INSPECTION WELLS ARE INSTALLED; AND EROSION CONTROL HAS BEEN COMPLETED.

OWTS AREA MUST BE FENCED-OFF DURING CONSTRUCTION ACTIVITIES

**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. THE PROPOSED OWTS WILL NOT PERMIT SEWAGE EFFLUENT TO SURFACE, DEGRADE WATER QUALITY, AFFECT SOIL STABILITY, PRESENT A THREAT TO THE PUBLIC HEALTH OR SAFETY, AND CREATE A PUBLIC NUISANCE.

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

**TANK INSTALLATION NOTES:**

1. TANK EXCAVATION CAN BE MADE UP TO 12 FEET BELOW CURRENT SITE GRADE.
2. UPPER PORTION OF EXPOSED EXCAVATIONS TO BE SLOPE OR BENCHED AT 1:1 SLOPE.
3. CONTRACTOR SHALL FOLLOW ALL RECOMMENDATIONS FROM THE SOIL REPORT & GEOTECHNICAL REVIEW LETTER.

- NOTES:**
- 1) 4" ABS GRAVITY SEWER LINE WITH MINIMUM 2% GRADIENT AND 2-WAY CLEANOUTS SPACED 50' APART MIN.
  - 2) 1,500 GALLON ORENCO™ FRP SEPTIC TANK WITH EFFLUENT FILTER
  - 3) AX25-RT ORENCO™ WASTEWATER TREATMENT SYSTEM (MODE 1A)
  - 4) 1,500 GALLON ORENCO™ FRP PUMP TANK WITH PF1005 DISCHARGE PUMP AND ANTI-SIPHON VALVE
  - 5) VERICOM™ CONTROL PANEL, REQUIRES TWO 20 AMP 230 VOLT CIRCUITS, ONE 20 AMP 120 VOLT CIRCUIT AND AN ACTIVE CAT 5 DATA LINE.
  - 6) REMOTE AUDIBLE/VISIBLE ALARM PANEL, TYPE 4X ENCLOSURE FOR OUTDOOR USE. ORENCO PRODUCT CODE: AMSENT1-W
  - 7) HEADWORKS VALVE BOX ASSEMBLY (SEE DETAIL)
  - 8) 3"-DEEP INSPECTION WELL (SEE DETAIL) 7X
  - 9) 1" SCH 40 PVC DRIP FIELD FLUSH RETURN LINE PLUMBED TO DISCHARGE TO A 40 LF TRENCH WITH 10 QUICK4 EQUALIZER 24 LOW-PROFILE INFILTRATOR CHAMBERS AND END CAPS (SEE DETAIL)
  - 10) DRIP FIELD FLUSH VALVE BOX PROVIDING AUTOMATIC FIELD FLUSH WITH ONE SOLENOID VALVE (SEE DETAIL)
  - 11) ZONE VALVE BOX PROVIDING AUTOMATIC DIVERSION BETWEEN PRIMARY AND SECONDARY DRAINFIELD ZONES WITH TWO SOLENOID VALVES (SEE DETAIL).
  - 12) GEOFLOW SUBSURFACE DRIP DISPERSAL SYSTEM (ZONE 1 PRIMARY AND ZONE 2 SECONDARY) WITH A TOTAL OF 1,350 LINEAR FEET OF GEOFLOW WASTEFLOW PC SUBSURFACE DRIP TUBING WITH 0.53 GPH DRIP EMITTERS SPACED 12" APART COVERING A TOTAL OF 1,350 SQUARE FEET WITH RESULTING IN A SOIL APPLICATION RATE OF 1 GPD/SF BASED ON A PEAK DESIGN FLOW RATE OF 675 GPD.
  - 13) MID-FIELD (ZONE) CHECK VALVE WITH AIR VACUUM RELIEF VALVE INSTALLED DOWNSLOPE IN 7" ROUND VALVE BOX (SEE DETAIL) 4X.
- NOTE: MAKE CERTAIN THAT CHECK VALVES ON SUPPLY AND RETURN HEADER MANIFOLDS ARE POSITIONED BETWEEN CORRELATIVE DRIP TUBE LATERALS.
- 14) AIR VACUUM RELIEF VALVE IN 7" ROUND VALVE BOX (SEE DETAIL) 4X

GEOFLOW WASTEFLOW PC SUBSURFACE DRIP TUBING WFPFC16-2-12 WITH 0.53 GPH DRIP EMITTERS SPACED 12" APART

**SEWAGE SYSTEM REVIEW**  
 SANTA CLARA COUNTY  
 DEPARTMENT OF ENVIRONMENTAL HEALTH  
 Project Description SR No. SR0851620  
 New 3-bedroom SFR with unfinished 2010sq. ft. basement. Drip dispersal system oversized to accommodate a 6-bedroom SFR with wastewater flow of 675 gallons per day (GPD).  
**APPROVAL RECOMMENDED**  
 With existing system (Existing No. \_\_\_\_\_)  
 X Install/modify system per plan (describe below)  
 (Obtain a permit from Environmental Health)  
 New 1,500gal Orenco FRP septic tank, Advance AX25-RT treatment unit, 1,500gal Orenco FRP pump tank, headworks drip dispersal field of 675sq. ft. x 675gpd with an application rate of 1 gpd/sq. ft.  
 Monica Huato Date: 12/07/2022  
 50% Sewage System Permit. Plan is void if absent signature.  
 Contact DEH for septic permit issuance once building permit is ready to be issued.

**EROSION CONTROL:**  
 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."

**WASTEFLOW PC 1/2 gph**

Standard products:  
 WFPFC16-2-24 WASTEFLOW PC 24"/.53gph or 2lph  
 WFPFC16-2-18 WASTEFLOW PC 18"/.53gph or 2lph  
 WFPFC16-2-12 WASTEFLOW PC 12"/.53gph or 2lph

Alternative spacing, flow rates and diameters available upon request.

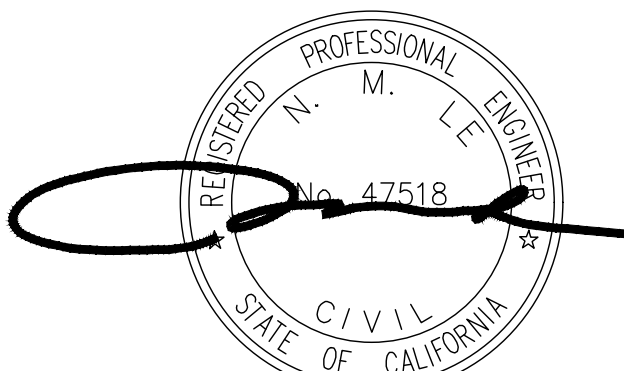
**Flow Rate vs. Pressure**

Pressure	Head	ALL WASTEFLOW PC 1/2 gph dripline
7.60 psi	16-139 ft.	0.53 gph

**Maximum Length of Run vs. Pressure**  
 Allows a minimum of 10 psi in the line.  
 Recommended operating pressure 10-45 psi.

Pressure	ft.	Emitter Spacing		
		12"	18"	24"
10 psi	23.10 ft.			
15 psi	34.65 ft.	174'	260'	321'
20 psi	46.20 ft.	120'	229'	330'
25 psi	57.75 ft.	260'	377'	478'
30 psi	69.30 ft.	150'	288'	415'
35 psi	80.85 ft.	313'	448'	576'
40 psi	92.40 ft.	172'	330'	475'
45 psi	103.95 ft.	354'	501'	651'
50 psi	115.5 ft.	363'	523'	675'

**WASTEFLOW PC 1/2 gph PC Specification**  
 The dripline shall consist of nominal sized one-half inch linear low density polyethylene tubing, with turbulent flow drip emitters bonded to the inside wall. The drip emitter flow passage shall be 0.032" x 0.045" square. The tubing shall have an outside diameter (OD) of approximately .64-inches and an inside diameter (ID) of approximately .55-inches. The tubing shall consist of three layers: the inside layer shall be a *Geobid®* protection, the middle layer shall be black and the outside layer shall be purple striped for easy identification. The dripline shall have emitters regularly spaced 24" (or 18" or 12") apart. The pressure compensating emitters shall be molded from virgin polyethylene resin with a silicone rubber diaphragm. The pressure compensating emitters shall have nominal discharge rates of 0.53 gallons per hour. The emitters shall be impregnated with Treflan® to inhibit root intrusion for a minimum period of fifteen years and shall be guaranteed by the manufacturer to inhibit root intrusion for this period. 0.53 gph WASTEFLOW PC pressure compensating dripline shall be Geoflow model no. WFPFC16-2-24 or WFPFC16-2-18 or WFPFC16-2-12.



RESP. TO 10-27-2022 COMMENTS

CT	DESIGNED	DATE	BY	DATE	REVISIONS
NC	11-09-22				
CT	08/12/22				
CT	08/12/22				
DRAWN	11-20				
SCALE	1"=20'				
CHECKED	08/12/22				

**ENGINEERING**  
 598 E Santa Clara St #270  
 San Jose, CA 95112  
 Phone: (408) 806-7187  
 Fax: (408) 583-4006

**California**

**SEPTIC SYSTEM PLAN**  
**LANDS OF CHEN**  
**17085 MONTEBELLO ROAD**  
**APN 351-40-001**

PROJECT NO. \_\_\_\_\_  
 CONTRACT NO. \_\_\_\_\_  
 DRAWING NO. SS1  
 SHEET NO. 1 OF 2  
 FILE NO. \_\_\_\_\_  
 Cypertino

**PROJECT DESCRIPTION**

AN ONSITE WASTEWATER SYSTEM SPECIFYING ENHANCED TREATMENT USING ALTERNATIVE TECHNOLOGY IS PROPOSED TO SERVE NEW DEVELOPMENT OF UP TO A SIX BEDROOM DWELLING TO BE CONSTRUCTED AT 17085 MONTEBELLO ROAD, CUPERTINO, SANTA CLARA COUNTY, CALIFORNIA. AN "ALTERNATIVE" SYSTEM WITH SHALLOW, SUBSURFACE DRIP DISPERSAL IS SPECIFIED TO PROVIDE SUPPLEMENTAL TREATMENT OF THE WASTEWATER DISCHARGED ON THE SITE TO MITIGATE SLOW (FAILED) SOIL PERCOLATION RATES FROM DEEPER SOILS ON THE SUBJECT PROPERTY.

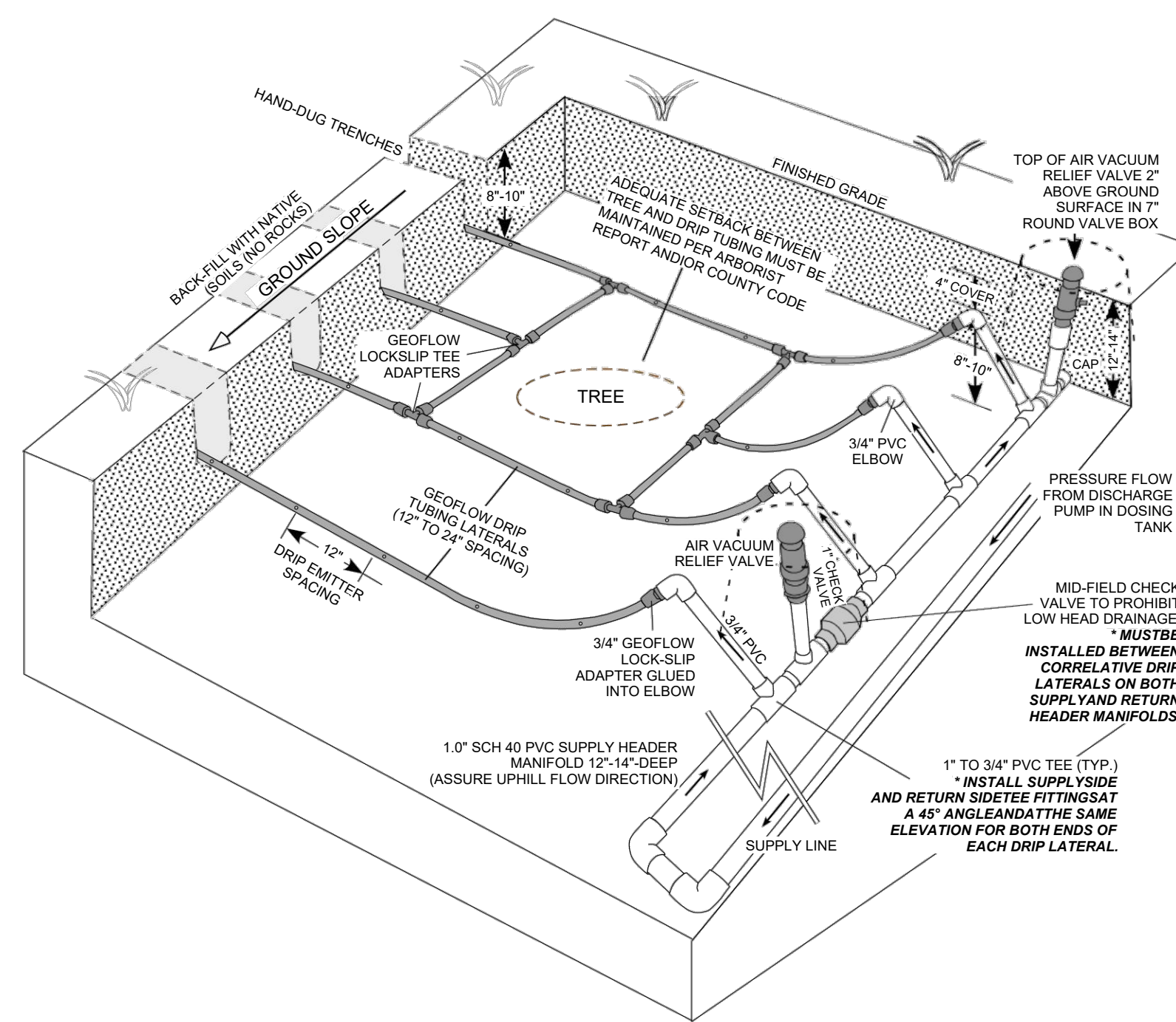
**CONSTRAINTS & DESIGN CRITERIA**

- 1) THE PROPOSED SYSTEM IS DESIGNED TO SERVE UP TO A 6 BEDROOM DWELLING WITH A DESIGN WASTEWATER FLOW OF 675 GALLONS PER DAY (GPD) PER COUNTY DEH GUIDELINES. THE ADVANTEX WASTEWATER TREATMENT SYSTEM SPECIFIED IS SIZED FOR AVERAGE WASTEWATER FLOWS OF 675 GPD WITH OCCASIONAL PEAK FLOWS OF UP TO 704 GPD.
- 2) SOIL PROFILES DID NOT EXHIBIT ANY EVIDENCE OF SEASONALLY HIGH GROUNDWATER CONDITIONS AT THE SITE. ANY SEASONALLY HIGH GROUNDWATER IS ESTIMATED TO OCCUR AT GREATER THAN 8' BELOW GRADE.
- 3) NO WELLS, SPRINGS OR WATERCOURSES ARE SITUATED WITHIN 100' OF THE PROPOSED ONSITE WASTEWATER TREATMENT SYSTEM (OWTS).
- 4) THERE DRIPFIELD DESIGNED ON THE SLOPE LESS THAN 50% ON THE EAST FLANK OF THE RIDGE SITUATED OVER 100' FROM THE PROPOSED DRAINFIELD.

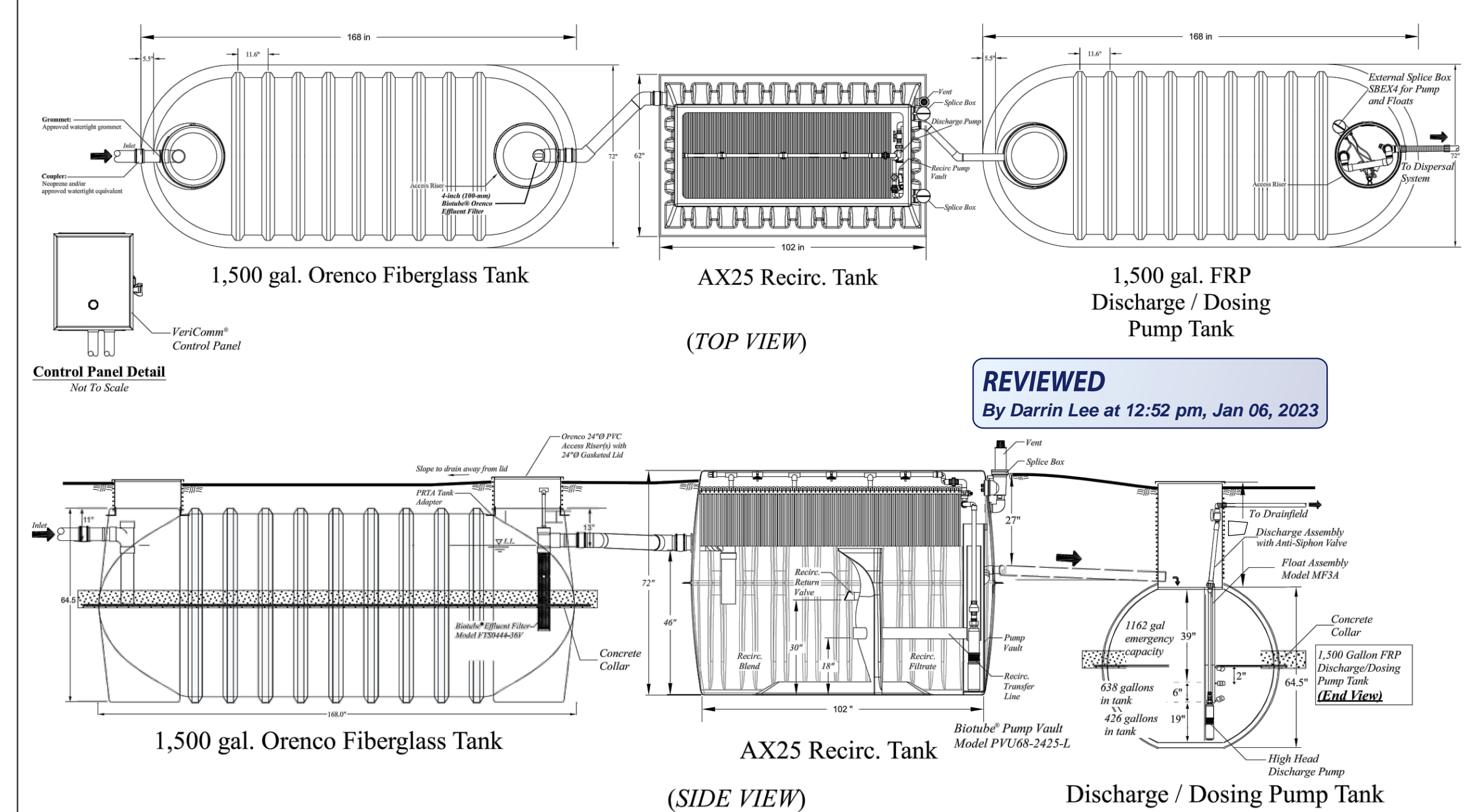
**SPECIFICATION**

1. BUILDING SEWER LINES & PROPOSED PROCESSING TANK.
  - 1.1. 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.
  - 1.2. LOCATE A 2-WAY, 4" ABS CLEANOUT FITTINGS ON THE BUILDING SEWER TO FACILITATE SNAKING AND LINE LOCATION.
  - 1.3. A 1,500 GALLON, WATER-TIGHT, FIBERGLASS REINFORCED POLYESTER (FRP) TANK, FROM ORENCO SYSTEMS, INC. (OS), IS SPECIFIED FOR USE AS A PROCESSING TANK WITH THE PROPOSED ADVANTEX (MODE 1) TREATMENT SYSTEM. THE TANK SHALL HAVE 24" DIAMETER OS ACCESS RISERS WITH FIBERGLASS, BOLT-DOWN LIDS. THE TANK SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S GUIDELINES INCLUDING THE 6" CONCRETE COLLAR ABOVE TANK FLANGE TO PREVENT FLOATION.
  - 1.4. THE TANK HOLE SHALL BE EXCAVATED SO THAT THE TANK SITS LEVEL. INSTALL THE ACCESS RISERS WITH A WATER-TIGHT JOINT USING THE ADHESIVES SUPPLIED BY MANUFACTURER.
  - 1.5. INSTALL THE TANK INLET FITTING WITH A WATER-TIGHT 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.
2. ADVANTEX TREATMENT SYSTEM.
  - 2.1. AN ADVANTEX™AX25-RT TREATMENT SYSTEM ENCLOSED A BIOTUBE®PUMP PACKAGE FOR RECIRCULATION, PACKED-BED FILTER POD, AND TELEMETRY-ENABLED VERICOMM®CONTROL PANEL.
  - 2.2. INSTALL THE ADVANTEX™SYSTEM ACCORDING TO THE INSTALLATION INSTRUCTIONS AND IN THE LOCATION SHOWN ON THE PLAN. THE TREATMENT SYSTEM SHALL BE INSTALLED WITH THE LID 4" ABOVE FINAL GRADE.
3. DISCHARGE PUMP TANK AND FILTRATE PUMPING.
  - 3.1. A 1,500 GALLON OS PUMP TANK SHALL BE INSTALLED ADJACENT TO THE AX25-RT PROCESSING TANK.
  - 3.2. THE PUMP TANK SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS AND BE WATER-TIGHT.
  - 3.3. THE PUMP TANK SHALL BE INSTALLED WITH A CONCRETE COLLAR (TO PREVENT FLOATION) AND BE FILLED WITH CLEAN WATER IMMEDIATELY AFTER INSTALLATION.
  - 3.4. INSTALL THE PUMP AND FLOAT TREE ACCORDING TO THE INSTRUCTIONS PROVIDED BY MANUFACTURER/DEALER.
  - 3.5. A 1/2 HP EFFLUENT PUMP (PF1005) IS SPECIFIED FOR PRESSURIZED DISPERSAL DISCHARGE.
  - 3.6. THE FILTRATE TRANSPORT PIPE TO DISPERSAL SYSTEM SHALL BE 1.0" SCHEDULE 40 PVC.

**SUBSURFACE DRIP SYSTEM HEADER/MANIFOLD DETAIL**

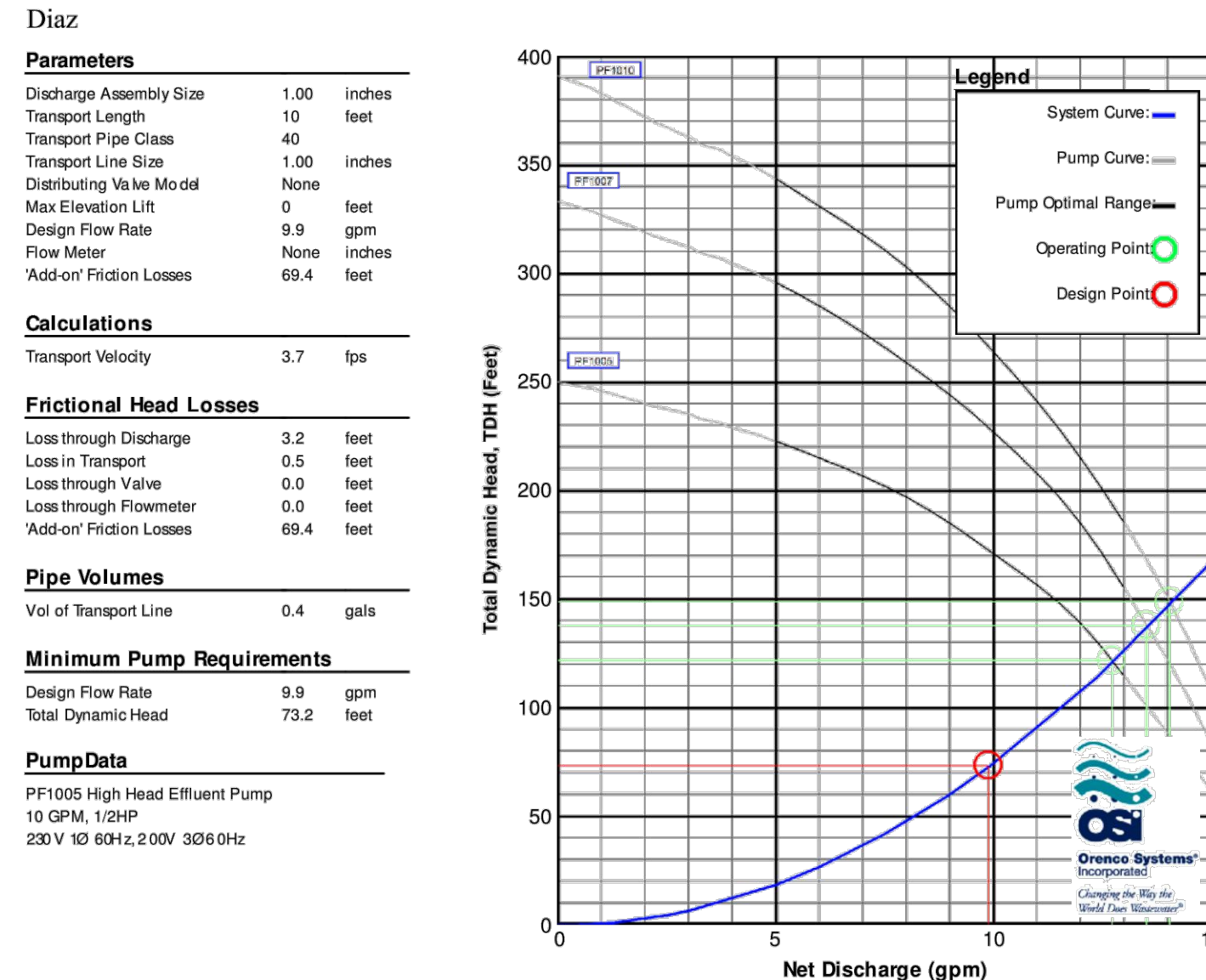


**ADVANTEX TREATMENT SYSTEM DETAIL**



**REVIEWED**  
By Darrin Lee at 12:52 pm, Jan 06, 2023

**DISCHARGE PUMP SELECTION CHART**



**Design and Installation Notes**

- For Expected Flows 6 Bedrooms or less
- Installation To Be Performed By An AdvanTex Trained Installer Only
- Start-up And Service To Be Performed By An AdvanTex Trained Service Provider

**Design Notes**

Expected Flows  
Q<sub>max</sub> = 675 gpd

Expected Inflow Quality  
Grease & Oil: 20 mg/L  
BOD: 150 mg/L  
TSS: 40 mg/L  
TKN: 45 mg/L

Typical Effluent Quality  
BOD: < 10 mg/L  
TSS: < 10 mg/L  
TN: < 25 mg/L

Table DD-1. Wastewater Application Rates for Subsurface Drip Dispersal Fields

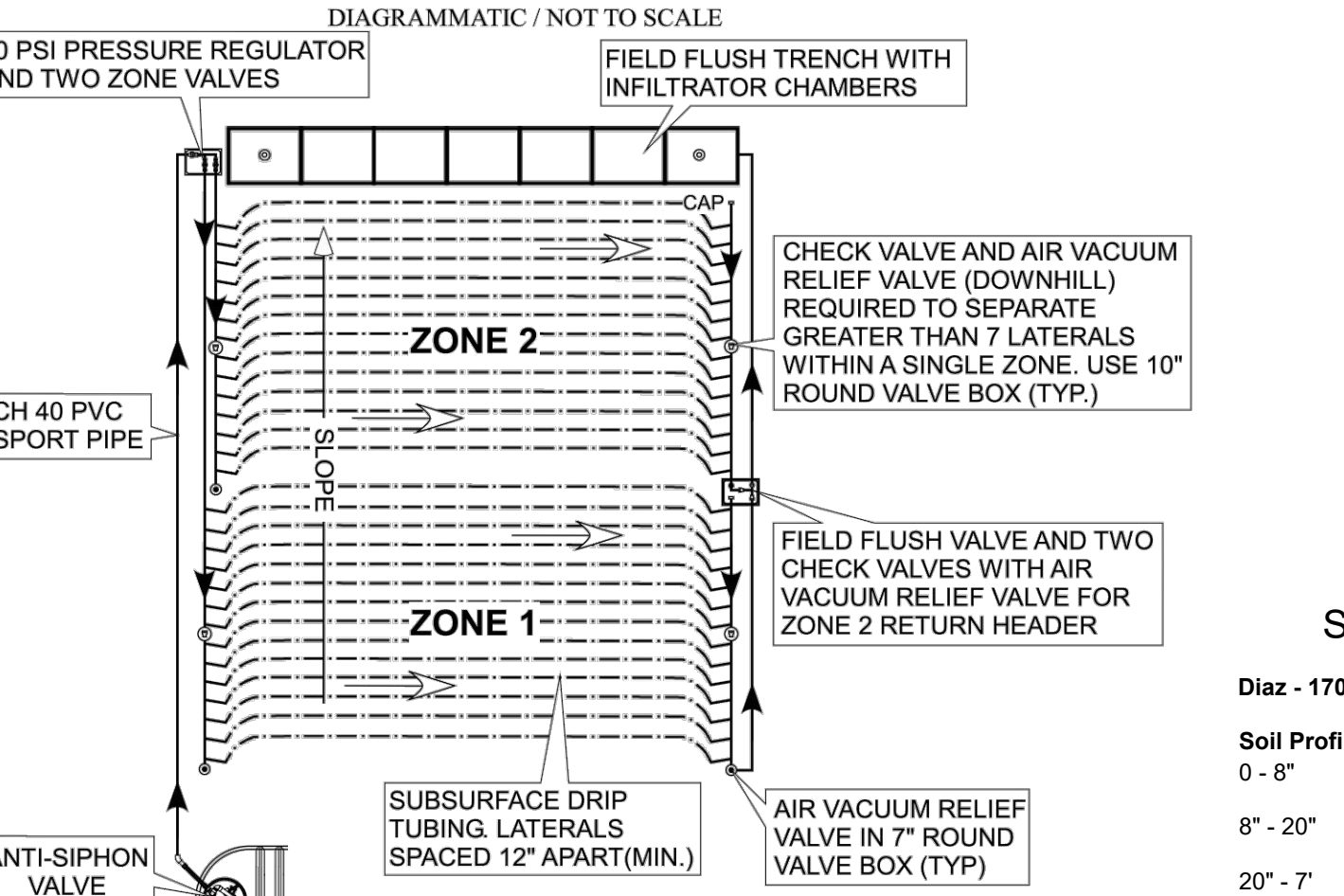
Soil Type*	Soil Percolation Rate (MPI)	Wastewater Application Rate (gpd/ft²)
Coarse Sand	1-4	1.4
Fine Sand	5-10	1.2
Sandy Loam	11-20	0.7
Loam	21-30	0.7
Clay Loam	31-45	0.5
Silt-Clay Loam	46-60	0.4
Clay, non-swell	61-90	0.2
Clay, swell	91-120	0.1

\*Soil types listed for reference information only, design shall be based on site-specific percolation data.

Table DD-2. Drip Dispersal System Management Requirements

Work	Frequency
<b>Inspection</b>	<ul style="list-style-type: none"> <li>Conduct routine visual observations of drip field, downspout area and surroundings for wet areas, pipe leaks or damage, soil erosion, drainage issues, abnormal vegetation, gophers or other problems.</li> <li>Conduct routine physical inspections of system components, including valves, filters, and headworks box(es).</li> <li>Perform special inspections of drip field at time of any landscaping work or other digging in drip field area.</li> <li>Perform inspections of dosing pumps and apparatuses (per O&amp;M manual and Performance Evaluation Guidelines, Part 5 of this Manual).</li> <li>Record observations.</li> </ul>
<b>Maintenance</b>	<ul style="list-style-type: none"> <li>Manually remove and clean filter.</li> <li>Clean and check operation of pressure reducing valves.</li> <li>Clean flush valves and vacuum release valves.</li> </ul>
<b>Water Monitoring &amp; Sampling</b>	<ul style="list-style-type: none"> <li>Measure and record water levels in dispersal field monitoring wells, as applicable, per permit requirements.</li> <li>Obtain and analyze water samples from dispersal field monitoring wells, as applicable, per permit requirements.</li> </ul>
<b>Reporting</b>	<ul style="list-style-type: none"> <li>Report findings to DEH per permit requirements.</li> <li>Standard report to include dates, monitoring well and other data collected, work performed, corrective actions taken, and performance summary.</li> <li>Report public health/water quality emergency to DEH immediately.</li> </ul>

**DRAINFIELD LAYOUT SCHEMATIC**



**SOIL PROFILE LOGS AND PERCOLATION TEST RESULTS**

**Diaz - 17085 Montebello Rd APN: 351-40-001**

**Soil Profile Log 1 (SP-1)**  
0 - 8" "A" soil horizon - Clay Loam with <10% small gravel, dry, many medium-sized roots, strong angular blocky structure, many large pores, slightly hard dry consistency. Dark brown.  
8" - 20" "B" soil horizon - Gravelly Clay Loam, abundant angular to sub-rounded gravel up to 2 inches in diameter (<25%), few medium-sized roots, very hard/dense, dry. Reddish-brown  
20" - 7' "C" horizon - Gravelly Sandy Loam, dry, very hard/dense, few medium roots. Significant increase in hard rock structure (gravel) with depth. Color variable reddish-brown to yellowish-brown. No mottling. Franciscan melange material - highly weathered and fractured mixture of rock with interstitial soil matrix.

**Soil Profile Log 2 (SP-2)**  
0 - 18" "AB" soil horizon - Clay Loam, with <10% small gravel, dry, soft/flexible, many roots ranging in size from small to large, strong angular blocky pedogenic structure with many large pores, dark brown. Gradual transition in Gravelly Sandy Loam soil development with an increase in gravels to <25%, dry, few medium-sized roots and few small pores.  
18" - 36" "C" soil horizon - Gravelly Sandy Loam, dry, very hard/dense, few medium roots. Hard rock structure (gravel) increases with depth. Color variable reddish-brown to yellowish-brown. No mottling. Franciscan melange material - highly weathered and fractured mixture of rock with interstitial soil matrix.

**SANITARY SEWER DESIGN NOTES**

SANTA CLARA COUNTY ONSITE SYSTEM MANUAL (OSM), MAY 2014

REFERENCE: WASTEWATER DESIGN FLOW (WDF) PROVIDED: ZONE 1 AREA = 675 SF  
ZONE 2 AREA = 675 SF  
ZONE 1 = 675 LF  
ZONE 2 = 675 LF

6 BEDROOM HOUSE = 675 GAL/DAY  
WDF = 675 GAL/DAY

AVERAGE ADJUSTED PERCOLATION RATE = 11.5 MPI  
FROM TABLE DD-1 OSM WITH 11.5 MPI: MEET MAXIMUM 4 SF PER EMITTER REQUIREMENT

WASTEWATER APPLICATION RATES FOR SUBSURFACE DRIP DISPERSAL FIELDS = 1.0 GPD/SF

MINIMUM DISPERSAL FIELD AREA = 675 / 1.0 = 675.0 SF

**SYSTEM OPERATION AND MAINTENANCE**

- 1) THE OWNER SHOULD READ AND OPERATE THE SYSTEM ACCORDING TO THE ADVANTEX & GEOFLOW OPERATION AND MAINTENANCE LITERATURE.
- 2) ORENCO REQUIRES BIENNIAL MAINTENANCE SERVICING OF THE ADVANTEX BY A QUALIFIED TECHNICIAN.
- 3) 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.
- 4) 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.
- 5) 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.
- 6) DO NOT RETURN WATER SOFTENER BACKFLUSH DISCHARGE TO TREATMENT SYSTEM! THIS DISCHARGE MAY BE ROUTED DIRECTLY TO A DRAINFIELD TRENCH OR AN APPROVED DISPERSAL FIELD.
- 7) REPAIR ALL PLUMBING LEAKS (ESPECIALLY TOILET LEAKS) PROMPTLY.

TABLE 3-1  
WASTEWATER DESIGN FLOWS FOR SINGLE FAMILY RESIDENCES AND SECOND UNITS

No. of Bedrooms	Design Flow (gal/day)
1	150
2	300
3	450
4	525
5	600
6	675
>6	+75 per bedroom

\*COUNTY OF SANTA CLARA - DEH ONSITE SYSTEM MANUAL - MAY 2014

**SOIL PERCOLATION TEST SUMMARY TABLE 9-28-16**

NOISE	1	2	3	4	5	6	7	8	9	10	11	12
DEPTH	1.0'	2.1'	1.7'	1.84'	1.67'	1.96'	0.91'	1.06'	0.91'	0.95'		0.97'
Stabilized MPI	R	FAILED	20.80	FAILED	FAILED	6.80	FAILED	FAILED	9.30	2.90	6.90	FAILED
Adjusted Stabilized MPI	R	R=0.14										
Avg. Adj. Stabilized MPI	R	29.12				9.92			13.02	3.90	9.60	2.10
Bedrooms:												11.19

**PROJECT NARRATIVE**

THE SEPTIC SYSTEM IS DESIGNED FOR A PROPOSED 3 BEDROOM SFR AND OVERSIZING FOR A FUTURE 3 BEDROOM FINISHED BASEMENT WITHIN THE SFR.

**ENGINEERING**  
SEPTIC SYSTEM PLAN  
LANDS OF CHEN  
17085 MONTEBELLO ROAD  
APN 351-40-001

598 E Santa Clara St #270  
San Jose, CA 95112  
Phone: (408) 806-7187  
Fax: (408) 583-4006

**California**

REGISTERED PROFESSIONAL ENGINEER  
N. M. L.  
No. 47518  
STATE OF CALIFORNIA

DESIGNED: DATE 08/12/22  
DRAWN: DATE 08/12/22  
AS NOTED: DATE  
SCALE: DATE  
CHECKED: DATE 08/12/22  
BY: DATE  
APP'D: DATE

PROJECT NO. SS2  
DRAWING NO. 2 OF 2  
SHEET NO. 2 OF 2  
FILE NO. 2 OF 2