

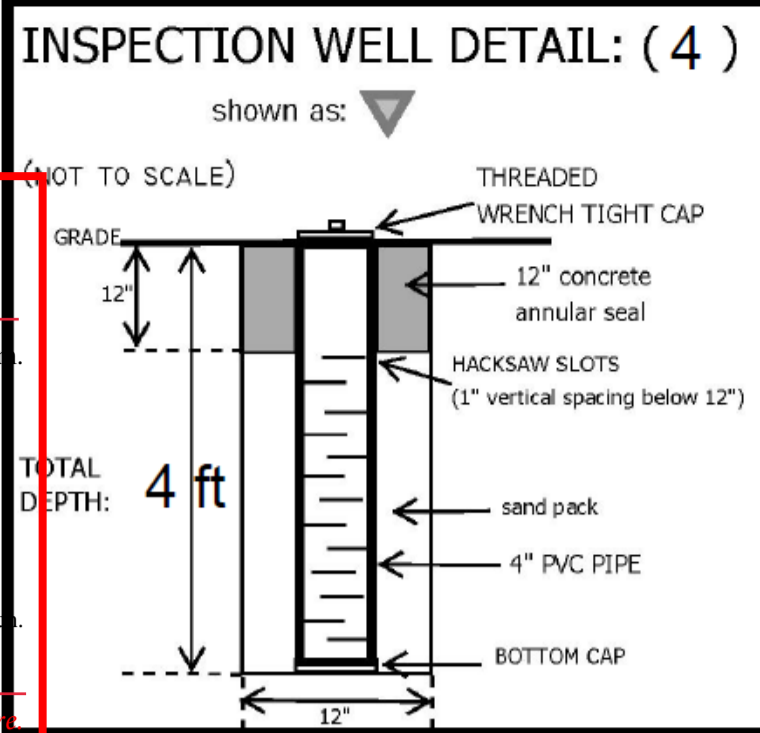
SITE PLAN by
MH Engineering Co.
SEWAGE SYSTEM REVIEW
 SANTA CLARA COUNTY
 DEPARTMENT OF ENVIRONMENTAL HEALTH
 Project Description SR No. SR0864366
 New 3-bedroom SFR and 2-bedroom ADU drip dispersal system

APPROVAL RECOMMENDED
 With existing system (Existing No. _____)
 X. Install/modify system per plan (describe below)
 (Obtain a permit from Environmental Health)

New 1,500gal concrete septic tank, Orenco AX25RT unit, 1,500gal concrete pump tank, headworks, dual drip dispersal fields of 560sq.ft. each

R.E.H.S. Monica Huato *[Signature]* Date 05/15/2023
 Not A Sewage System Permit. Plan is void if absent signature

Contact DEH for septic permit issuance once building permit is ready to be issued. Verification of the final Building Department stamped plans will be required prior to issuance of construction permit by DEH. Provide a copy of the final plans for review.



NORTH

1 inch = 20 feet

LEGEND:

- P1 - P6 = perc test holes (6)
- SP1, SP2 = soil profile(s) (2)
- T = inspection well (4)
- T = concrete thrust block (6)

INFILTRATIVE AREA CALCULATIONS & SPECIFICATIONS

TYPE OF SEPTIC SYSTEM:	Dual Drip Dispersal with Secondary Treatment
DESIGN CALCULATIONS:	Average Percolation Rate: 1 mpi Application Rate: 1.4 gpd/sq ft Wastewater Flow: 750 gpd (3BR + 2BR) Infiltrative Area: 536 sq. ft (750 / 1.4) Infiltrative Area per Emitter: 4 sq. ft # of Emitters Required: 134 (536 / 4)
DRIP DISPERSAL SYSTEM A: ZONE 1	Dripline / Emitter Spacing / Depth: 24" / 24" / 12" Dripfield Dimensions: 20 x 28 ft (560 sq. ft) / 7 loops of 40 ft Number of Emitters: 140 Slope in Dispersal Area: 39 to 48 %
DRIP DISPERSAL SYSTEM B: ZONE 2	Dripline / Emitter Spacing / Depth: 24" / 24" / 12" Dripfield Dimensions: 20 x 28 ft (560 sq. ft) / 7 loops of 40 ft Number of Emitters: 140 Slope in Dispersal Area: 39 to 48 %
Depth to GW: 3 ft (no groundwater to 4 ft in SP1 & SP2) Depth to GW required: 3 ft	

PROJECT SCOPE & RATIONALE:

This project is to construct a new 3 BR house and 2 BR ADU at the currently vacant parcel.

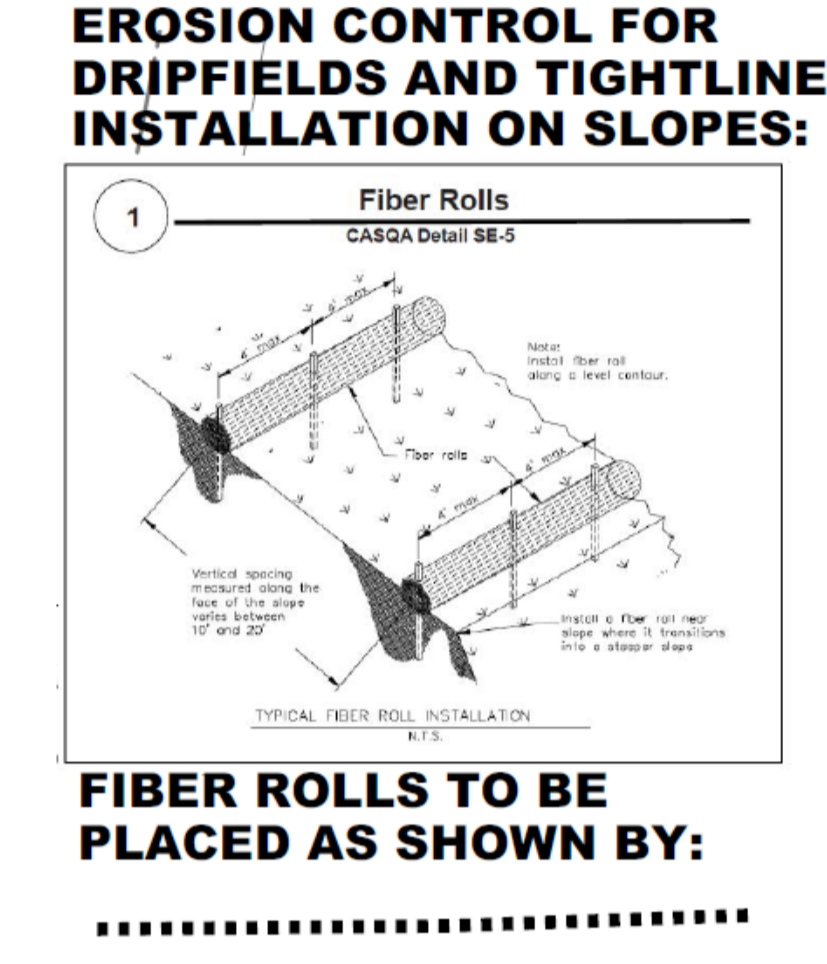
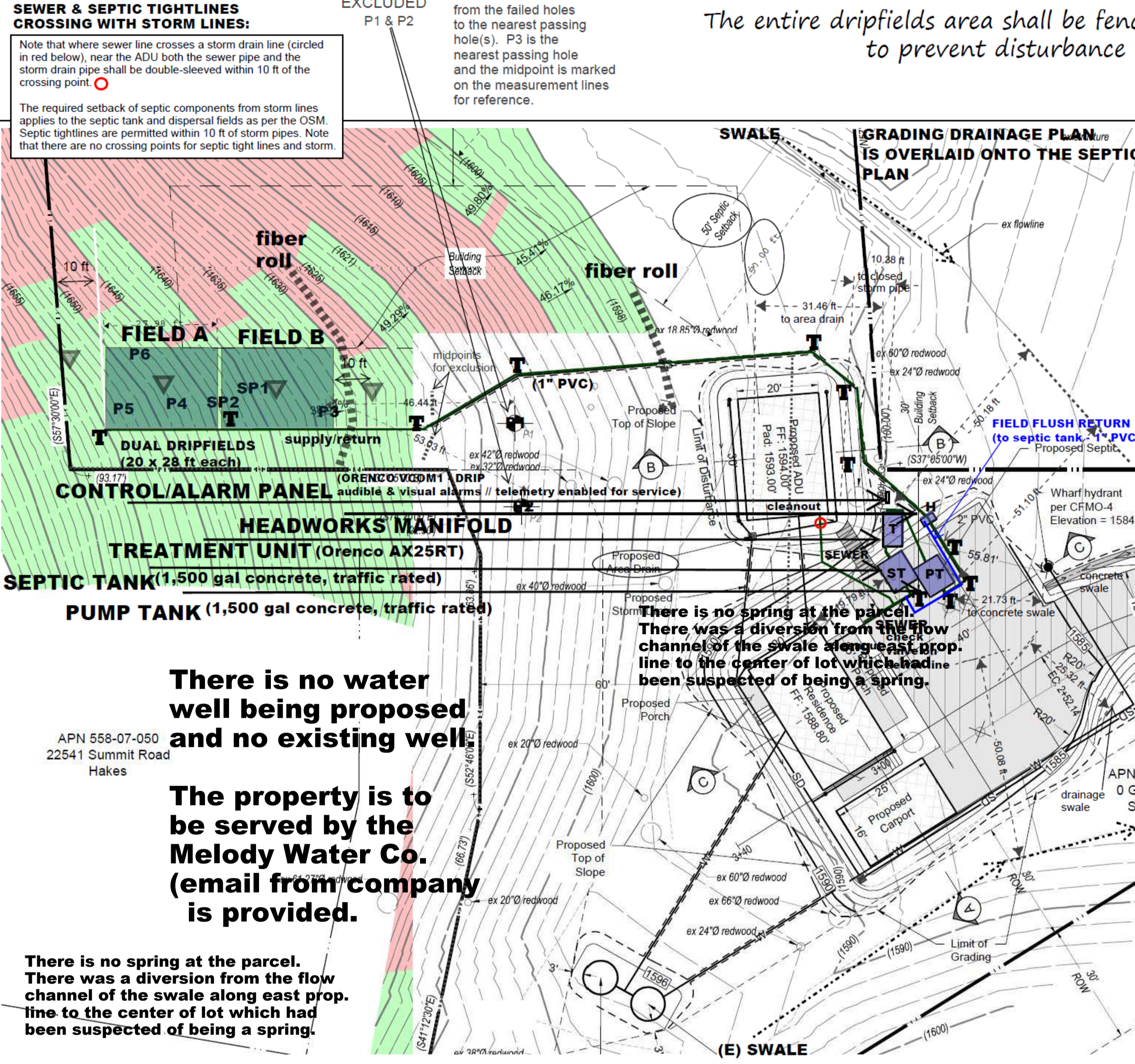
An alternative drip dispersal with treatment system was selected due to insufficient area for a conventional gravity flow system at the property.

Siting of the septic system is constrained by a 50 ft setback to two drainage swales that run roughly along the property lines on each side of the long entry road pathway where ground slope could support a conventional system.

The areas proposed for drip dispersal have ground slope less than 50%, acceptable depth of soil and separation to groundwater, and percolation test results supporting the proposal. Tanks and treatment are proposed in the area between the two drainage swales where the required setbacks are met.

Worksheet 1- Field Flow (A & B are identical)

Total field	Total Quantity of effluent to be disposed per day	750	gallons / day
	Hydraulic loading rate	1.4	gallons / sq. ft / day
	Minimum Dispersal Field Area	536	square ft.
	Total Dispersal Field Area	560	square ft.
Flow per zone	Number of Zones	1	zone(s)
	Dispersal area per zone	560	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)	280	ft. per zone
	Total number of emitters per zone	140	emitters per zone
	Select Wasteflow dripline (18mm)	Wasteflow PC - 1/2gph	dripline
	Pressure at the beginning of the dripfield	30	psi
	Feet of Head at the beginning of the dripfield	69.3	ft.
	What is the flow rate per emitter in gph?	0.53	gph
	Dose flow per zone	1.24	gpm
	If required, choose flush velocity	0.5	ft/sec
	How many lines of WASTEFLOW per zone?	7	lines
	Fill in the actual length of longest dripline lateral	40	ft.
	Flush flow required at the end of each dripline	0.37	gpm
	Total Flow required to achieve flushing velocity	2.59	gpm
	Total Flow per zone- worst case scenario	3.83	gpm
Select Filters and zone valves	Select Filter Type	BioDisc Filter	
	Recommended Filter (item no.)	BioDisc Filter-150	1.5in < 30 gpm
	Select Zone Valve Type	Electric Solenoid	
	Recommended Zone Valve (item no.)	0	0
Dosing	Number of doses per day / zone:	12.9	doses
	Timer ON. Pump run time per dose/zone:	47.01	mins:secs
	Timer OFF. Pump off time between doses	1.04	hrs:mins
	Per Zone - Pump run time per day/zone:	10.06	hrs:mins
	All Zones - Number of doses per day / all zones	12.9	doses / day
	Allow time for field to pressurize	0.01:00	hrs:mins:secs
	Filter flush timer	0.00:20	hrs:mins:secs
	Drain timer	0.05:00	hrs:mins:secs
	Field flush timer	0.05:00	hrs:mins:secs
	Field flush counter	3	cycles
	Time required to complete all functions per day	12:32	hrs:mins
	Dose volume per zone	58	gallons per dose



INSTALLATION STEPS:

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.
- Excavate septic tank, treatment unit, and pump tank pits. Install units and backfill as per manufacturers recommendations.
- Leak test the septic and pump tanks.
- Install and connect headworks manifold components.
- Excavate trenching for sewer and supply/return pipes. Install piping.
- Excavate trenching for electrical/signal wire conduit. Install wiring & panel.
- Install treatment unit including wiring & set pump in pump tank. Set float switch elevations.
- Install driplines and make connections to supply/return lines. Backfill.
- Test hydraulics and alarms, program the control panel.
- Backfill components, restore proper grading, cover w/ straw mulch & seed areas.

Coordinate all installation steps with DEH and Designer

ANNUAL SEPTIC & PUMP TANKS INSPECTION REQUIRED:	ON-SITE WATER TIGHTNESS TESTING
<ol style="list-style-type: none"> 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. 	(REQUIRED PRIOR TO SEPTIC TANK & PUMP TANK USE) <ol style="list-style-type: none"> FILL TANK TO 2" INTO RISER LET TANK SIT FOR 1 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
MATERIAL EXCEED 30% OF TANK VOLUME OR ENCRUST ON INLET/OUTLET T's.	ADVANTEX TREATMENT UNIT: Installation and routine ongoing maintenance by Advantex certified service provider only.
MINIMUM SEPTIC TANK PUMPING FREQUENCY IS 3 TO 5 YEARS.	Construction Inspections required w/ Designer & DEH:
PUMP TANK to be pumped out when debris may encroach on pump intake.	<ol style="list-style-type: none"> Layout inspection - All components staked or painted Open Trench Inspection - Components in & not covered Septic & Pump Tank Water Tightness Testing. Pump Test - Pumps, hydraulics, and alarms operational. Final inspection - All components covered.
ONGOING MONITORING & REPORTING REQUIREMENTS:	Owner Responsibility for Alternative Type Septic System:
(must be performed by licensed professional or service provider) YEARS 1 - 4: Semi-annually // YEARS 5+ of operation: Annually <ol style="list-style-type: none"> 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. 	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 has recorded on the property title and deed.
MONITORING REPORT SHALL BE SIGNED BY LICENSED PROFESSIONAL AND SUBMITTED TO DEH IN ACCORDANCE WITH THE SYSTEM OPERATING PERMIT.	

County of Santa Clara - Department of Environmental Health
SOIL PERCOLATION TEST RECORDED MEASUREMENTS (Electronic Version by Chris Day, R.E.H.S.)

OWNER/APPLICANT: Kevin Shanahan SR #: 854366 PLN FILE #: P. 1 of 1
 LOCATION: Property on Grove Rd., Los Gatos, CA APN 558-06-029 REHS: Ross Kakinami
 CONTACT PERSON: CHRIS DAY, R.E.H.S. PHONE: 650-293-1045 DATE: 3/8/2022

HOLE #1 DEPTH: 18" (17 1/2" on ruler)	HOLE #2 DEPTH: 24" (18" on ruler)																																																																																																																																																																								
<table border="1"> <tr><th>TIME</th><th>START</th><th>FINISH</th><th>WATER LEVEL</th><th>Δ MIN</th><th>Δ INCH</th><th>MPI</th></tr> <tr><td>11:24</td><td>11:52</td><td>23</td><td>DRY</td><td>28</td><td></td><td></td></tr> <tr><td>11:55</td><td>12:25</td><td>24</td><td>DRY</td><td>30</td><td></td><td></td></tr> <tr><td>12:25</td><td>12:55</td><td>24 1/2</td><td>DRY</td><td>30</td><td></td><td></td></tr> <tr><td>12:56</td><td>1:02</td><td>24 1/2</td><td>DRY</td><td>6</td><td>5 1/2</td><td>1.1</td></tr> <tr><td>1:04</td><td>1:11</td><td>24 1/2</td><td>DRY</td><td>7</td><td>5 1/2</td><td>1.3</td></tr> <tr><td>1:12</td><td>1:56</td><td>24 1/2</td><td>DRY</td><td>42</td><td></td><td></td></tr> <tr><td colspan="7">STOPWATCH READINGS starting at 1:58 a.m. (MIN:SEC)</td></tr> <tr><td>0:00</td><td>2:04</td><td>24 1/2</td><td>DRY</td><td>2.1</td><td>5 1/2</td><td>0.4</td></tr> <tr><td>0:00</td><td>2:04</td><td>24 1/2</td><td>DRY</td><td>2.1</td><td>5 1/2</td><td>0.4</td></tr> <tr><td>0:00</td><td>2:11</td><td>24 1/2</td><td>DRY</td><td>2.2</td><td>5 1/2</td><td>0.4</td></tr> <tr><td colspan="7">TEST HOLE FAILED: ADJUSTED RATE < 1.0 MPI</td></tr> </table>	TIME	START	FINISH	WATER LEVEL	Δ MIN	Δ INCH	MPI	11:24	11:52	23	DRY	28			11:55	12:25	24	DRY	30			12:25	12:55	24 1/2	DRY	30			12:56	1:02	24 1/2	DRY	6	5 1/2	1.1	1:04	1:11	24 1/2	DRY	7	5 1/2	1.3	1:12	1:56	24 1/2	DRY	42			STOPWATCH READINGS starting at 1:58 a.m. (MIN:SEC)							0:00	2:04	24 1/2	DRY	2.1	5 1/2	0.4	0:00	2:04	24 1/2	DRY	2.1	5 1/2	0.4	0:00	2:11	24 1/2	DRY	2.2	5 1/2	0.4	TEST HOLE FAILED: ADJUSTED RATE < 1.0 MPI							<table border="1"> <tr><th>TIME</th><th>START</th><th>FINISH</th><th>WATER LEVEL</th><th>Δ MIN</th><th>Δ INCH</th><th>MPI</th></tr> <tr><td>11:32</td><td>11:55</td><td>23 1/2</td><td>DRY</td><td>28</td><td></td><td></td></tr> <tr><td>11:56</td><td>12:26</td><td>24 1/2</td><td>DRY</td><td>30</td><td></td><td></td></tr> <tr><td>12:27</td><td>12:57</td><td>24 1/2</td><td>DRY</td><td>30</td><td></td><td></td></tr> <tr><td>12:58</td><td>1:05</td><td>24 1/2</td><td>DRY</td><td>7</td><td></td><td></td></tr> <tr><td>1:06</td><td>1:09</td><td>24 1/2</td><td>DRY</td><td>3</td><td></td><td></td></tr> <tr><td>1:10</td><td>1:13</td><td>24 1/2</td><td>DRY</td><td>3</td><td></td><td></td></tr> <tr><td colspan="7">STOPWATCH READINGS starting at 1:58 a.m. (MIN:SEC)</td></tr> <tr><td>0:00</td><td>2:04</td><td>24 1/2</td><td>DRY</td><td>2.1</td><td>5 1/2</td><td>0.4</td></tr> <tr><td>0:00</td><td>2:09</td><td>24 1/2</td><td>DRY</td><td>2.2</td><td>5 1/2</td><td>0.4</td></tr> <tr><td>0:00</td><td>2:13</td><td>24 1/2</td><td>DRY</td><td>2.2</td><td>5 1/2</td><td>0.4</td></tr> <tr><td colspan="7">TEST HOLE FAILED: ADJUSTED RATE < 1.0 MPI</td></tr> </table>	TIME	START	FINISH	WATER LEVEL	Δ MIN	Δ INCH	MPI	11:32	11:55	23 1/2	DRY	28			11:56	12:26	24 1/2	DRY	30			12:27	12:57	24 1/2	DRY	30			12:58	1:05	24 1/2	DRY	7			1:06	1:09	24 1/2	DRY	3			1:10	1:13	24 1/2	DRY	3			STOPWATCH READINGS starting at 1:58 a.m. (MIN:SEC)							0:00	2:04	24 1/2	DRY	2.1	5 1/2	0.4	0:00	2:09	24 1/2	DRY	2.2	5 1/2	0.4	0:00	2:13	24 1/2	DRY	2.2	5 1/2	0.4	TEST HOLE FAILED: ADJUSTED RATE < 1.0 MPI						
TIME	START	FINISH	WATER LEVEL	Δ MIN	Δ INCH	MPI																																																																																																																																																																			
11:24	11:52	23	DRY	28																																																																																																																																																																					
11:55	12:25	24	DRY	30																																																																																																																																																																					
12:25	12:55	24 1/2	DRY	30																																																																																																																																																																					
12:56	1:02	24 1/2	DRY	6	5 1/2	1.1																																																																																																																																																																			
1:04	1:11	24 1/2	DRY	7	5 1/2	1.3																																																																																																																																																																			
1:12	1:56	24 1/2	DRY	42																																																																																																																																																																					
STOPWATCH READINGS starting at 1:58 a.m. (MIN:SEC)																																																																																																																																																																									
0:00	2:04	24 1/2	DRY	2.1	5 1/2	0.4																																																																																																																																																																			
0:00	2:04	24 1/2	DRY	2.1	5 1/2	0.4																																																																																																																																																																			
0:00	2:11	24 1/2	DRY	2.2	5 1/2	0.4																																																																																																																																																																			
TEST HOLE FAILED: ADJUSTED RATE < 1.0 MPI																																																																																																																																																																									
TIME	START	FINISH	WATER LEVEL	Δ MIN	Δ INCH	MPI																																																																																																																																																																			
11:32	11:55	23 1/2	DRY	28																																																																																																																																																																					
11:56	12:26	24 1/2	DRY	30																																																																																																																																																																					
12:27	12:57	24 1/2	DRY	30																																																																																																																																																																					
12:58	1:05	24 1/2	DRY	7																																																																																																																																																																					
1:06	1:09	24 1/2	DRY	3																																																																																																																																																																					
1:10	1:13	24 1/2	DRY	3																																																																																																																																																																					
STOPWATCH READINGS starting at 1:58 a.m. (MIN:SEC)																																																																																																																																																																									
0:00	2:04	24 1/2	DRY	2.1	5 1/2	0.4																																																																																																																																																																			
0:00	2:09	24 1/2	DRY	2.2	5 1/2	0.4																																																																																																																																																																			
0:00	2:13	24 1/2	DRY	2.2	5 1/2	0.4																																																																																																																																																																			
TEST HOLE FAILED: ADJUSTED RATE < 1.0 MPI																																																																																																																																																																									
HOLE #3 DEPTH: 24" (18 1/2" on ruler)	HOLE #4 DEPTH: 18" (15" on ruler)																																																																																																																																																																								
<table border="1"> <tr><th>TIME</th><th>START</th><th>FINISH</th><th>WATER LEVEL</th><th>Δ MIN</th><th>Δ INCH</th><th>MPI</th></tr> <tr><td>11:37</td><td>11:59</td><td>24 1/2</td><td>DRY</td><td>30</td><td></td><td></td></tr> <tr><td>11:59</td><td>12:29</td><td>24 1/2</td><td>DRY</td><td>30</td><td></td><td></td></tr> <tr><td>12:32</td><td>1:02</td><td>24 1/2</td><td>DRY</td><td>30</td><td></td><td></td></tr> <tr><td>1:19</td><td>1:23</td><td>24 1/2</td><td>DRY</td><td>4</td><td>4 3/8</td><td>0.9</td></tr> <tr><td>1:24</td><td>1:28</td><td>24 1/2</td><td>DRY</td><td>4</td><td>4 1/8</td><td>1.0</td></tr> <tr><td>1:51</td><td>1:55</td><td>24 1/2</td><td>DRY</td><td>4</td><td>4 1/2</td><td>0.9</td></tr> </table>	TIME	START	FINISH	WATER LEVEL	Δ MIN	Δ INCH	MPI	11:37	11:59	24 1/2	DRY	30			11:59	12:29	24 1/2	DRY	30			12:32	1:02	24 1/2	DRY	30			1:19	1:23	24 1/2	DRY	4	4 3/8	0.9	1:24	1:28	24 1/2	DRY	4	4 1/8	1.0	1:51	1:55	24 1/2	DRY	4	4 1/2	0.9	<table border="1"> <tr><th>TIME</th><th>START</th><th>FINISH</th><th>WATER LEVEL</th><th>Δ MIN</th><th>Δ INCH</th><th>MPI</th></tr> <tr><td>11:38</td><td>12:00</td><td>24 1/2</td><td>DRY</td><td>22</td><td></td><td></td></tr> <tr><td>12:00</td><td>12:30</td><td>24 1/2</td><td>DRY</td><td>30</td><td></td><td></td></tr> <tr><td>12:34</td><td>1:04</td><td>24 1/2</td><td>DRY</td><td>30</td><td></td><td></td></tr> <tr><td>1:31</td><td>1:35</td><td>24 1/2</td><td>DRY</td><td>19</td><td>1/2</td><td>4</td></tr> <tr><td>1:36</td><td>1:40</td><td>24 1/2</td><td>DRY</td><td>19</td><td>7/8</td><td>4</td></tr> <tr><td>1:41</td><td>1:45</td><td>24 1/2</td><td>DRY</td><td>19</td><td>3/8</td><td>4</td></tr> <tr><td>1:45</td><td>1:48</td><td>24 1/2</td><td>DRY</td><td>4</td><td>5 1/8</td><td>0.8</td></tr> </table>	TIME	START	FINISH	WATER LEVEL	Δ MIN	Δ INCH	MPI	11:38	12:00	24 1/2	DRY	22			12:00	12:30	24 1/2	DRY	30			12:34	1:04	24 1/2	DRY	30			1:31	1:35	24 1/2	DRY	19	1/2	4	1:36	1:40	24 1/2	DRY	19	7/8	4	1:41	1:45	24 1/2	DRY	19	3/8	4	1:45	1:48	24 1/2	DRY	4	5 1/8	0.8																																																															
TIME	START	FINISH	WATER LEVEL	Δ MIN	Δ INCH	MPI																																																																																																																																																																			
11:37	11:59	24 1/2	DRY	30																																																																																																																																																																					
11:59	12:29	24 1/2	DRY	30																																																																																																																																																																					
12:32	1:02	24 1/2	DRY	30																																																																																																																																																																					
1:19	1:23	24 1/2	DRY	4	4 3/8	0.9																																																																																																																																																																			
1:24	1:28	24 1/2	DRY	4	4 1/8	1.0																																																																																																																																																																			
1:51	1:55	24 1/2	DRY	4	4 1/2	0.9																																																																																																																																																																			
TIME	START	FINISH	WATER LEVEL	Δ MIN	Δ INCH	MPI																																																																																																																																																																			
11:38	12:00	24 1/2	DRY	22																																																																																																																																																																					
12:00	12:30	24 1/2	DRY	30																																																																																																																																																																					
12:34	1:04	24 1/2	DRY	30																																																																																																																																																																					
1:31	1:35	24 1/2	DRY	19	1/2	4																																																																																																																																																																			
1:36	1:40	24 1/2	DRY	19	7/8	4																																																																																																																																																																			
1:41	1:45	24 1/2	DRY	19	3/8	4																																																																																																																																																																			
1:45	1:48	24 1/2	DRY	4	5 1/8	0.8																																																																																																																																																																			
HOLE #5 DEPTH: 24 in	HOLE #6 DEPTH: 18 in																																																																																																																																																																								
<table border="1"> <tr><th>TIME</th><th>START</th><th>FINISH</th><th>WATER LEVEL</th><th>Δ MIN</th><th>Δ INCH</th><th>MPI</th></tr> <tr><td>11:40</td><td>12:10</td><td>24 1/2</td><td>DRY</td><td>30</td><td></td><td></td></tr> <tr><td>12:10</td><td>12:40</td><td>24 1/2</td><td>DRY</td><td>30</td><td></td><td></td></tr> <tr><td>12:42</td><td>1:12</td><td>24 1/2</td><td>DRY</td><td>30</td><td></td><td></td></tr> <tr><td>1:33</td><td>1:36</td><td>24 1/2</td><td>DRY</td><td>3</td><td>4 1/2</td><td>0.7</td></tr> <tr><td>1:38</td><td>1:41</td><td>24 1/2</td><td>DRY</td><td>3</td><td>4 3/8</td><td>0.7</td></tr> <tr><td>1:42</td><td>1:45</td><td>24 1/2</td><td>DRY</td><td>3</td><td>4 3/8</td><td>0.7</td></tr> </table>	TIME	START	FINISH	WATER LEVEL	Δ MIN	Δ INCH	MPI	11:40	12:10	24 1/2	DRY	30			12:10	12:40	24 1/2	DRY	30			12:42	1:12	24 1/2	DRY	30			1:33	1:36	24 1/2	DRY	3	4 1/2	0.7	1:38	1:41	24 1/2	DRY	3	4 3/8	0.7	1:42	1:45	24 1/2	DRY	3	4 3/8	0.7	<table border="1"> <tr><th>TIME</th><th>START</th><th>FINISH</th><th>WATER LEVEL</th><th>Δ MIN</th><th>Δ INCH</th><th>MPI</th></tr> <tr><td>11:45</td><td>12:15</td><td>23 1/2</td><td>DRY</td><td>30</td><td></td><td></td></tr> <tr><td>12:15</td><td>12:44</td><td>24 1/2</td><td>DRY</td><td>30</td><td></td><td></td></tr> <tr><td>12:45</td><td>1:15</td><td>24 1/2</td><td>DRY</td><td>30</td><td></td><td></td></tr> <tr><td>1:35</td><td>1:39</td><td>24 1/2</td><td>DRY</td><td>4</td><td>4 1/2</td><td>0.9</td></tr> <tr><td>1:39</td><td>1:43</td><td>24 1/2</td><td>DRY</td><td>4</td><td>4 1/2</td><td>0.9</td></tr> <tr><td>1:44</td><td>1:48</td><td>24 1/2</td><td>DRY</td><td>4</td><td>4 1/2</td><td>0.9</td></tr> </table>	TIME	START	FINISH	WATER LEVEL	Δ MIN	Δ INCH	MPI	11:45	12:15	23 1/2	DRY	30			12:15	12:44	24 1/2	DRY	30			12:45	1:15	24 1/2	DRY	30			1:35	1:39	24 1/2	DRY	4	4 1/2	0.9	1:39	1:43	24 1/2	DRY	4	4 1/2	0.9	1:44	1:48	24 1/2	DRY	4	4 1/2	0.9																																																																						
TIME	START	FINISH	WATER LEVEL	Δ MIN	Δ INCH	MPI																																																																																																																																																																			
11:40	12:10	24 1/2	DRY	30																																																																																																																																																																					
12:10	12:40	24 1/2	DRY	30																																																																																																																																																																					
12:42	1:12	24 1/2	DRY	30																																																																																																																																																																					
1:33	1:36	24 1/2	DRY	3	4 1/2	0.7																																																																																																																																																																			
1:38	1:41	24 1/2	DRY	3	4 3/8	0.7																																																																																																																																																																			
1:42	1:45	24 1/2	DRY	3	4 3/8	0.7																																																																																																																																																																			
TIME	START	FINISH	WATER LEVEL	Δ MIN	Δ INCH	MPI																																																																																																																																																																			
11:45	12:15	23 1/2	DRY	30																																																																																																																																																																					
12:15	12:44	24 1/2	DRY	30																																																																																																																																																																					
12:45	1:15	24 1/2	DRY	30																																																																																																																																																																					
1:35	1:39	24 1/2	DRY	4	4 1/2	0.9																																																																																																																																																																			
1:39	1:43	24 1/2	DRY	4	4 1/2	0.9																																																																																																																																																																			
1:44	1:48	24 1/2	DRY	4	4 1/2	0.9																																																																																																																																																																			
EXCLUDED																																																																																																																																																																									
1	2	3	4	5	6																																																																																																																																																																				
0.4	0.4	0.9	0.8	0.7	0.9																																																																																																																																																																				
0.6	0.6	1.3	1.1	1.0	1.3																																																																																																																																																																				
Average Adjusted Stabilized MPI R ₂ = (Σ R _i) / # Holes = 1.2																																																																																																																																																																									
# Bedrooms	3 + 2	FOR OFFICE USE ONLY	Tank Size (Gal)	Leach Line (ft)																																																																																																																																																																					

Soil Analysis Test Data
 APN 558-06-029 (SR0864366)
 Property on Grove Rd., Los Gatos, CA
 Owner: Kevin Shanahan

Test Conducted on 3/8/2022
 By Chris Day, R.E.H.S. Tel. 650-293-1045
 Witnessed by Ross Kakinami, R.E.H.S.

Soil Profile Test Hole #1 Depth: 4 ft.	
1 to 2 ft 1st Soil Horizon	Clay Loam Roots Coarse & Common Pores Medium & Common Weak Subangular Structure About 30% Rock Slightly Moist Condition of Soil Color Black No Mottling
2 to 4 ft 2nd Soil Horizon	Clay Sand (w/ fractured rock) Roots Coarse & Medium Pores Coarse & Common Weak Subangular Structure About 50% Rock Dry Condition of Soil Color Tan No Mottling
Soil Profile Test Hole #2 Depth: 4 ft.	
0 to 2 ft	Same Characteristics as 1st Horizon (SP1)
2 to 4 ft	Same Characteristics as 2nd Horizon (SP1)

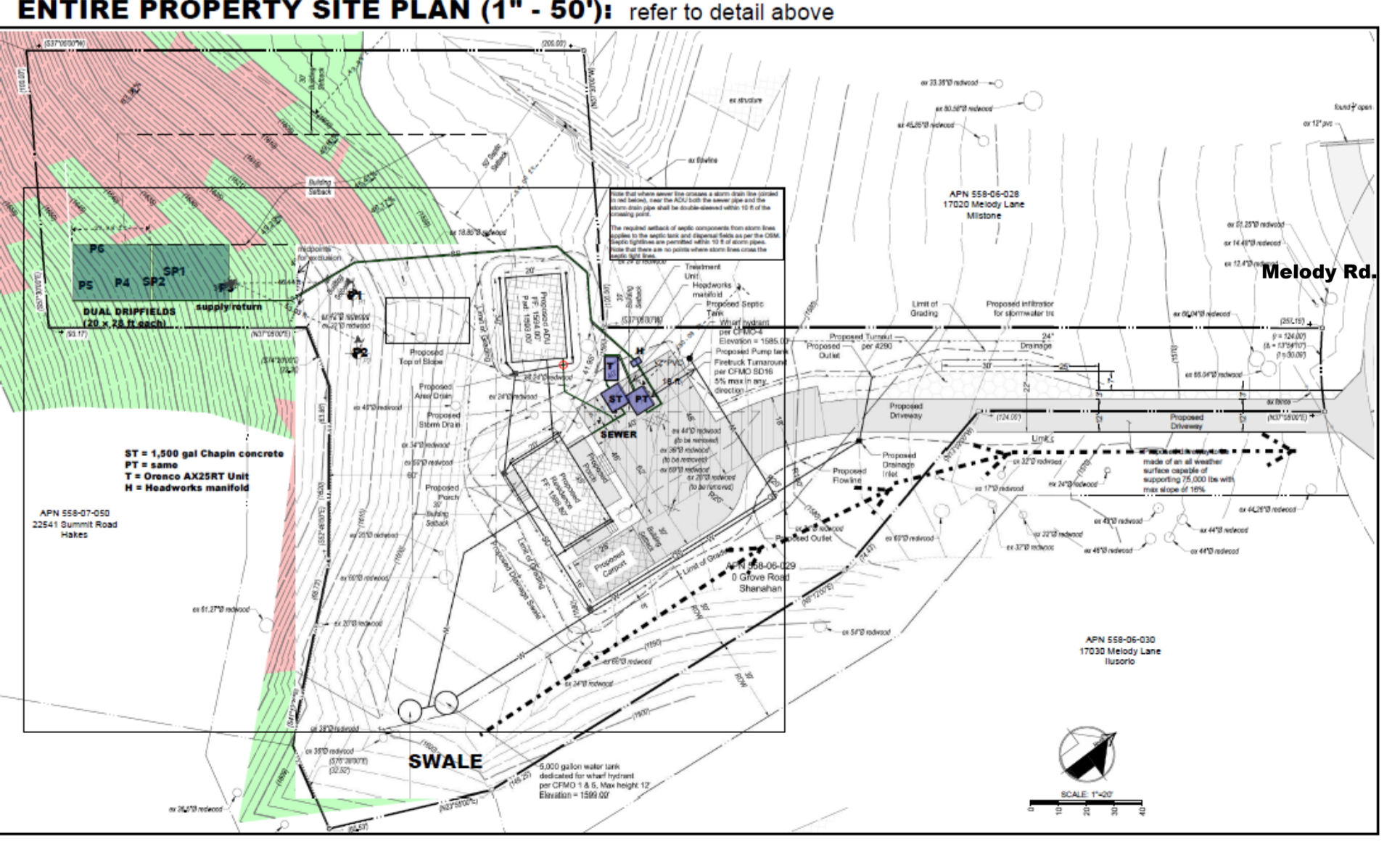


Table DD-2. Drip Dispersal System Management Requirements

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.
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.
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.
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.

PLAN BY: Christopher Day, R.E.H.S. ORIG 21 OCT 2022
 Kevin Shanahan P.O. Box 36, Redwood City, CA 94064 REV 1: 1 FEB 2023
 Tel. 408-314-8826 REV 2:
 Email: kevin.shanahan@yahoo.com

OWNER: Kevin Shanahan
 Tel. 408-314-8826
 Email: kevin.shanahan@yahoo.com

Property on Grove Rd., Los Gatos, CA 95030
 APN 558-06-029 SR0864366

SITE PLAN

Drip Dispersal w/ Treatment Septic System
 (To Serve Proposed 3 BR House & 2 BR ADU)

OWTS 1

