

Client: PROCTOR
 Address: 11341 CLAYTON ROAD
 Contact: NICOLE DUARTE
 Inspector: PETER ESTES

ATC File #: 246862
 DEH File #: S80
 Date: 04/20/20
 Phone: 408-866-1067

CONVENTIONAL ONSITE WASTEWATER TREATMENT SYSTEM
 Reference: ONSITE SYSTEMS MANUAL, MAY 2014
 Average percolation rate: 33.26 mpi
 Application rate (Table 1): 0.54 gpd/sqft²
 Effective infiltration area: 4 sqft/lineal foot of trench

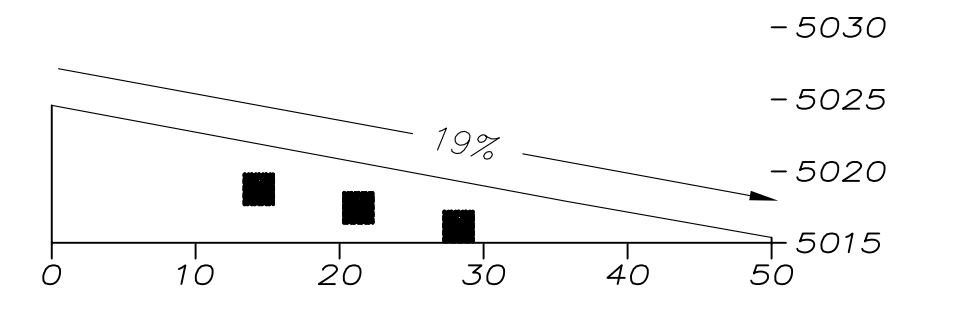
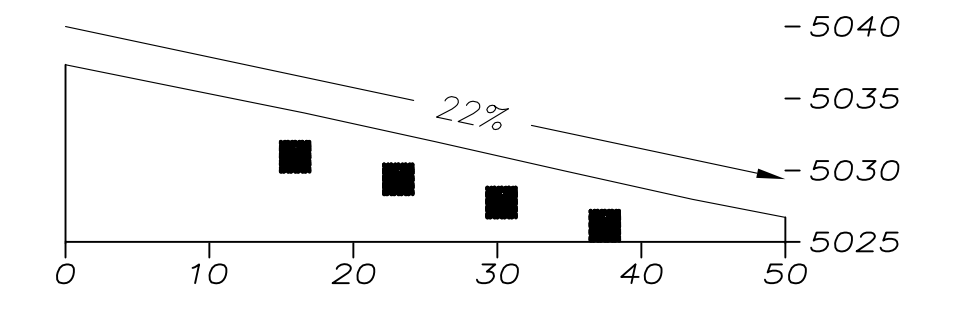
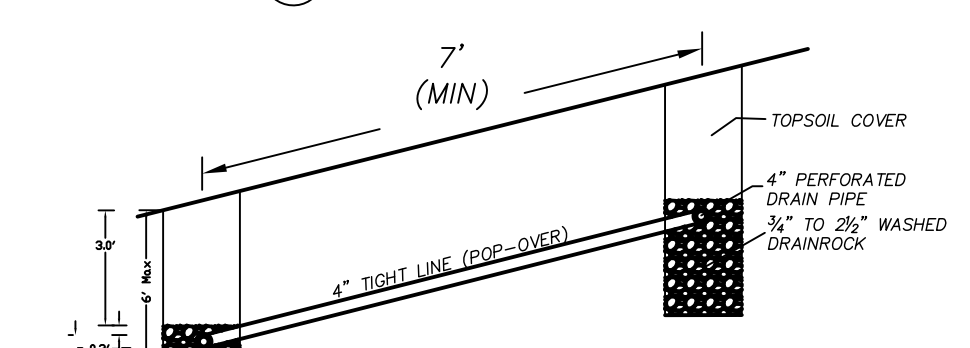
Wastewater flow (Table 3-1):
 House with three bedrooms = 450 gpd
 ADU with two bedrooms = 300 gpd
 750 gpd

$L = \text{Trench length}$
 $Q = \text{Wastewater flow}$
 $R = \text{Application rate}$
 $A = \text{Effective infiltration area}$
 $L = Q/(R \cdot A)$
 $L = 750 / (0.54 \cdot 4)$
 $L = 347 \text{ LF}$

Two dispersal fields, primary (A) and secondary (B), of 347 LF and 347 LF; total 694 LF.

LINE LABEL	LENGTH (FT) FIELD A	LINE LABEL	LENGTH (FT) FIELD B
A1	100	B1	100
A2	100	B2	100
A3	100	B3	100
A4	47	B4	47
TOTAL	347	TOTAL	347

LEACHLINE TABLE



PH-7 Diameter 4" Depth: 6.2'							PH-11 Diameter 4" Depth: 5.5'								
Time Start	Time Finish	Water Level Start	Water Level Finish	Elapsed Time (Min)	Water Fall (inch)	Percolation Rate (MPI)	Time Start	Time Finish	Water Level Start	Water Level Finish	Elapsed Time (Min)	Water Fall (inch)	Percolation Rate (MPI)		
1	9:08:00	9:38:00	24.000	22.625	30	1.375	21.818	1	9:21:00	9:51:00	26.250	25.625	30	0.625	48.000
2	9:38:00	10:08:00	24.000	22.750	30	1.250	24.000	2	9:51:00	10:21:00	26.250	25.500	30	0.500	60.000
3	10:08:00	10:38:00	24.000	23.000	30	1.000	30.000	3	10:21:00	10:51:00	26.250	25.750	30	0.750	40.000
4	10:38:00	11:09:00	24.000	23.000	30	1.000	30.000	4	10:54:00	11:24:00	26.750	26.250	30	0.750	40.000
5	11:09:00	11:39:00	24.000	23.000	30	1.000	30.000	5	11:25:00	11:55:00	26.250	25.750	30	0.500	60.000
6								6							
7								7							
8								8							
9								9							
10								10							
Stabilized Rate:	30.00/Adj. Factor: 1.4/Adjusted Stabilized Rate			42.00			Stabilized Rate:	53.33/Adj. Factor: 1.4/Adjusted Stabilized Rate			74.67				

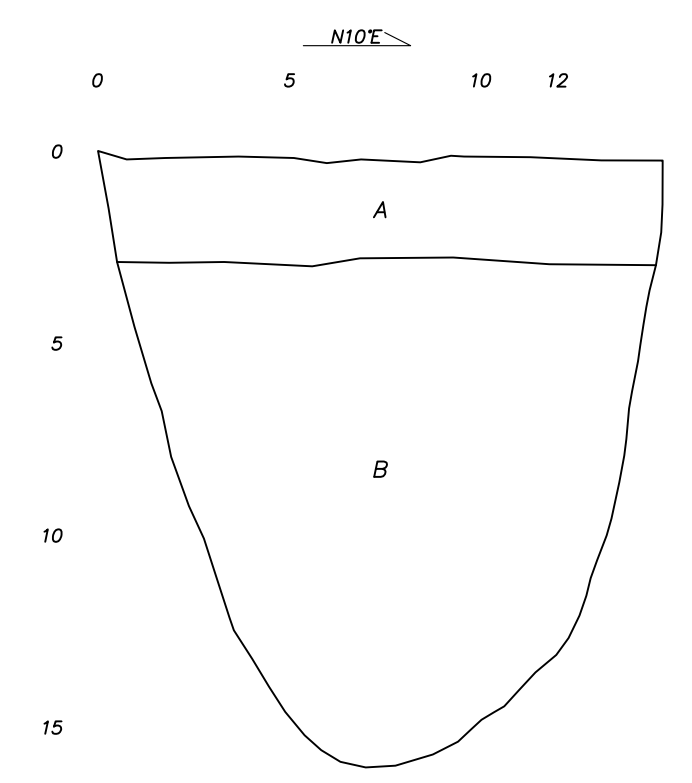
PH-8 Diameter 4" Depth: 5'							PH-12 Diameter 4" Depth: 6'								
Time Start	Time Finish	Water Level Start	Water Level Finish	Elapsed Time (Min)	Water Fall (inch)	Percolation Rate (MPI)	Time Start	Time Finish	Water Level Start	Water Level Finish	Elapsed Time (Min)	Water Fall (inch)	Percolation Rate (MPI)		
1	9:11:00	9:41:00	28.750	27.625	30	1.125	26.667	1	9:25:00	9:55:00	47.375	45.250	30	2.125	14.12
2	9:42:00	10:12:00	28.750	27.625	30	1.125	26.667	2	9:56:00	10:26:00	47.375	45.625	30	1.750	17.14
3	10:12:00	10:42:00	28.750	27.625	30	1.125	26.667	3	10:26:00	10:56:00	47.375	45.750	30	1.625	18.46
4	10:42:00	11:12:00	28.750	27.625	30	1.125	26.667	4	10:57:00	11:27:00	47.375	45.750	30	1.625	18.46
5								5							
6								6							
7								7							
8								8							
9								9							
10								10							
Stabilized Rate:	26.667/Adj. Factor: 1.4/Adjusted Stabilized Rate			37.33			Stabilized Rate:	18.02/Adj. Factor: 1.4/Adjusted Stabilized Rate			25.23				

PH-9 Diameter 4" Depth: 6'							PH-13 Diameter 4" Depth: 5.5'								
Time Start	Time Finish	Water Level Start	Water Level Finish	Elapsed Time (Min)	Water Fall (inch)	Percolation Rate (MPI)	Time Start	Time Finish	Water Level Start	Water Level Finish	Elapsed Time (Min)	Water Fall (inch)	Percolation Rate (MPI)		
1	9:14:00	9:44:00	27.625	27.000	30	0.625	48.000	1	9:29:00	9:59:00	36.000	33.750	30	2.250	13.333
2	9:44:00	10:14:00	27.625	27.000	30	0.625	48.000	2	10:00:00	10:30:00	36.000	33.625	30	2.375	12.632
3	10:14:00	10:44:00	27.625	27.000	30	0.625	48.000	3	10:30:00	11:00:00	36.000	33.625	30	2.375	12.632
4	10:44:00	11:14:00	27.625	27.000	30	0.625	48.000	4	11:01:00	11:31:00	36.000	33.625	30	2.375	12.632
5								5							
6								6							
7								7							
8								8							
9								9							
10								10							
Stabilized Rate:	48.00/Adj. Factor: 1.4/Adjusted Stabilized Rate			67.20			Stabilized Rate:	12.632/Adj. Factor: 1.4/Adjusted Stabilized Rate			17.68				

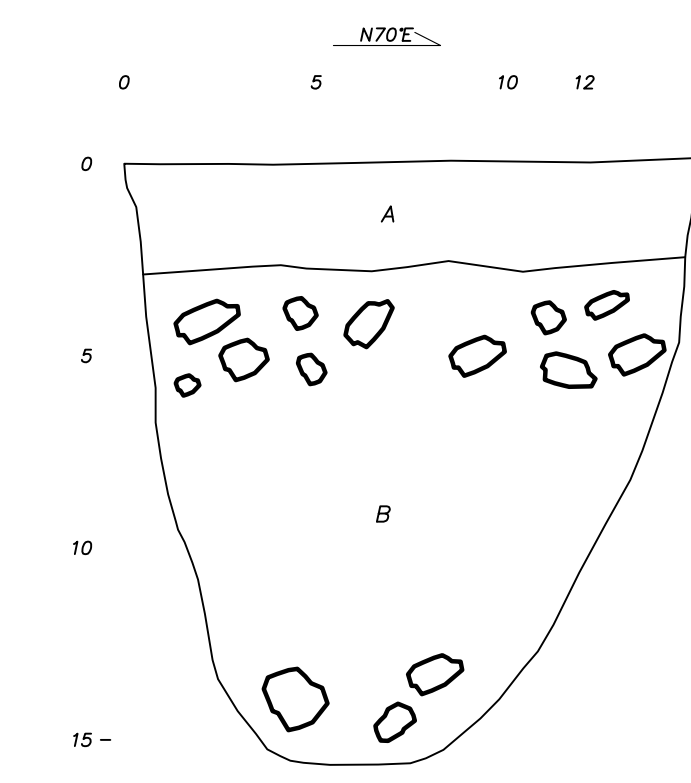
PH-10 Diameter 4" Depth: 4.8'							PH-14 Diameter 4" Depth: 5.5'								
Time Start	Time Finish	Water Level Start	Water Level Finish	Elapsed Time (Min)	Water Fall (inch)	Percolation Rate (MPI)	Time Start	Time Finish	Water Level Start	Water Level Finish	Elapsed Time (Min)	Water Fall (inch)	Percolation Rate (MPI)		
1	9:18:00	9:48:00	34.250	28.250	30	6.000	5.000	1	9:31:00	10:01:00	26.875	25.500	30	1.375	21.818
2	9:48:00	10:18:00	34.250	28.250	30	6.000	5.000	2	10:01:00	10:31:00	26.875	25.625	30	1.250	24.000
3	10:20:00	10:50:00	34.250	28.250	30	6.000	5.000	3	10:32:00	11:02:00	26.875	25.750	30	1.125	26.667
4	10:52:00	11:22:00	34.250	28.375	30	5.875	5.106	4	11:02:00	11:32:00	26.875	25.750	30	1.125	26.667
5	11:23:00	11:53:00	34.250	28.500	30	5.750	5.217								
6	11:54:00	12:24:00	34.250	28.625	30	5.625	5.333								
7															
8															
9															
10															
Stabilized Rate:	5.219/Adj. Factor: 1.4/Adjusted Stabilized Rate			7.31			Stabilized Rate:	25.778/Adj. Factor: 1.4/Adjusted Stabilized Rate			36.09				

PERC HOLES 1 - 6 WERE NOT USED FOR THIS DESIGN.

LOG OF INSPECTION PIT SP-1



LOG OF INSPECTION PIT SP-2

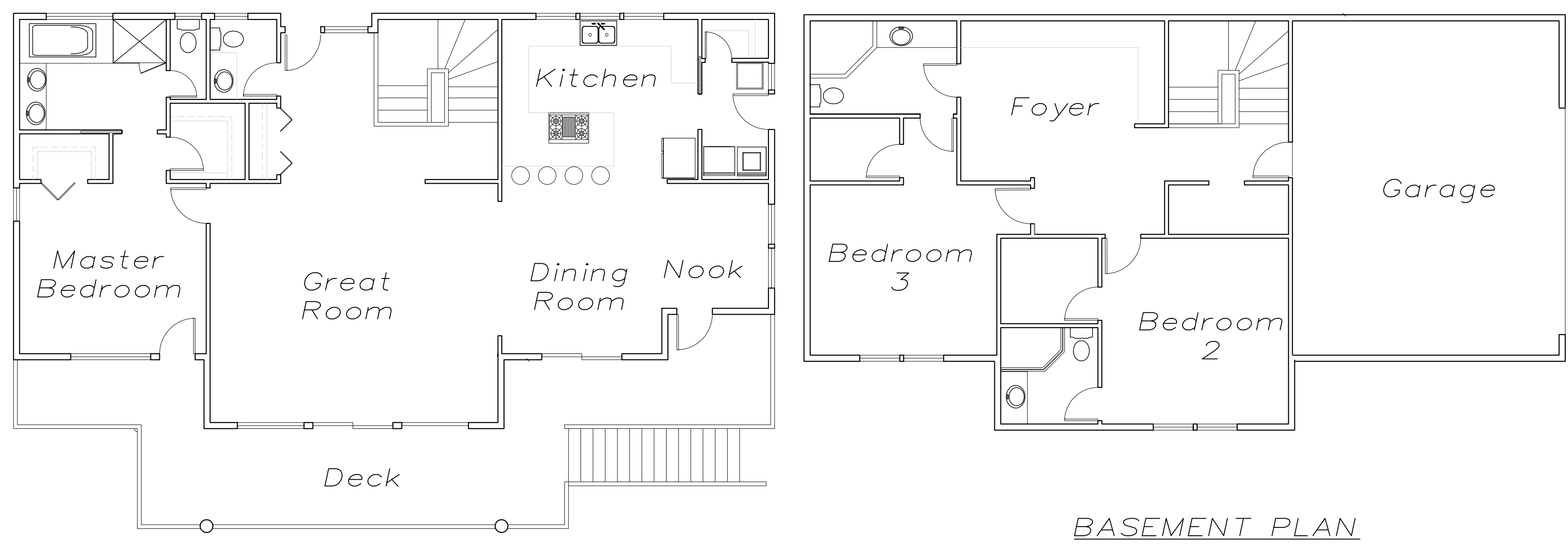
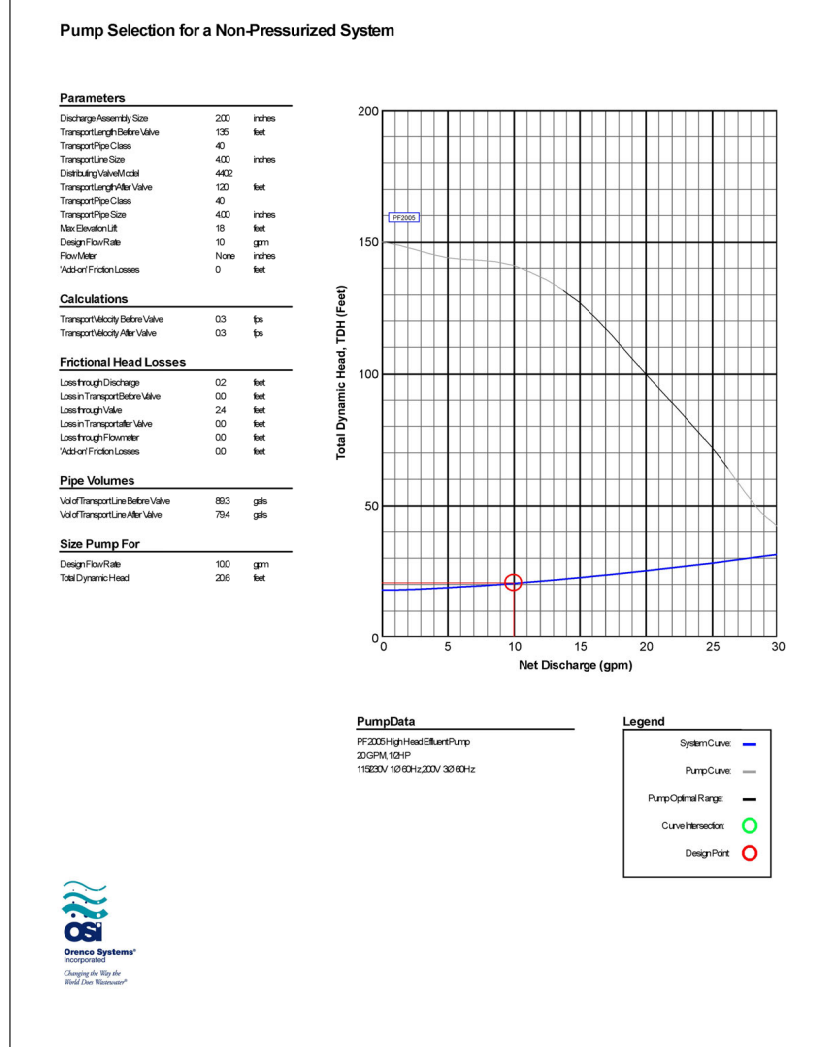
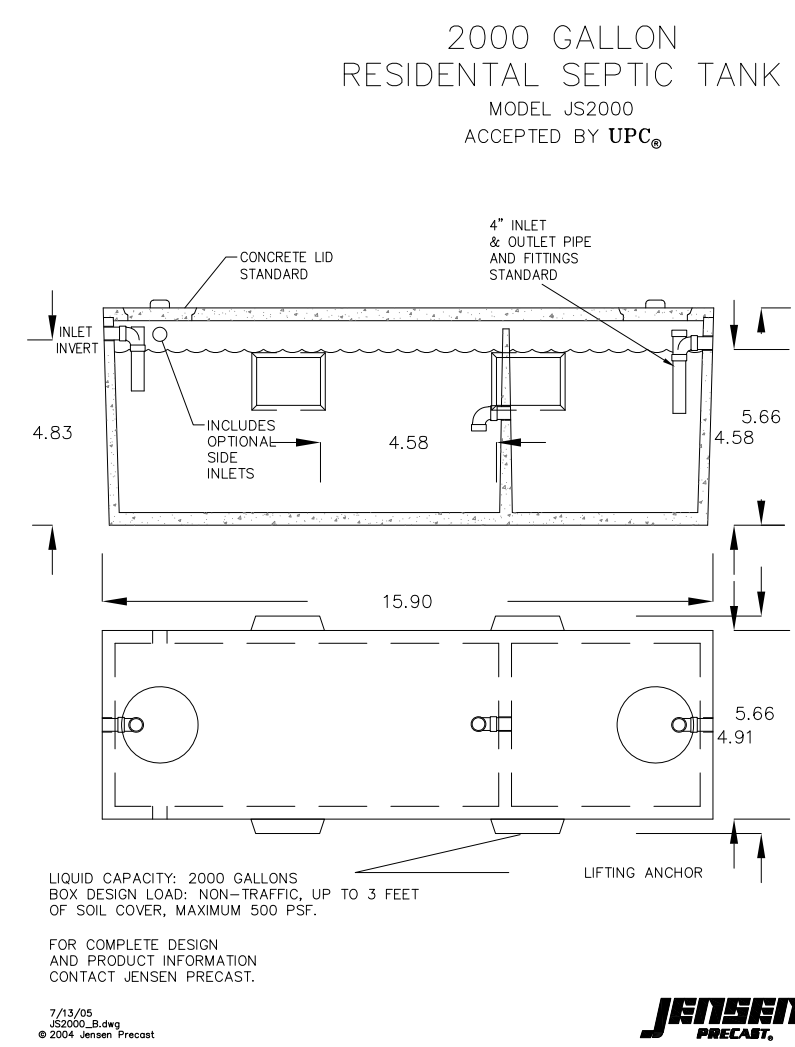


EXPLANATION
 A - SANDY CLAY, dark brown, dry, medium plasticity, firm; Vertisols
 B - CLAYEY SAND, greenish tan, damp, low plasticity, firm; some caliche observed at approximately 5 to 6 feet.

SEPTIC FIELD DESIGN
LANDS OF PROCTOR
 APN: 612-37-014; 11341 CLAYTON ROAD
 SANTA CLARA COUNTY, CALIFORNIA

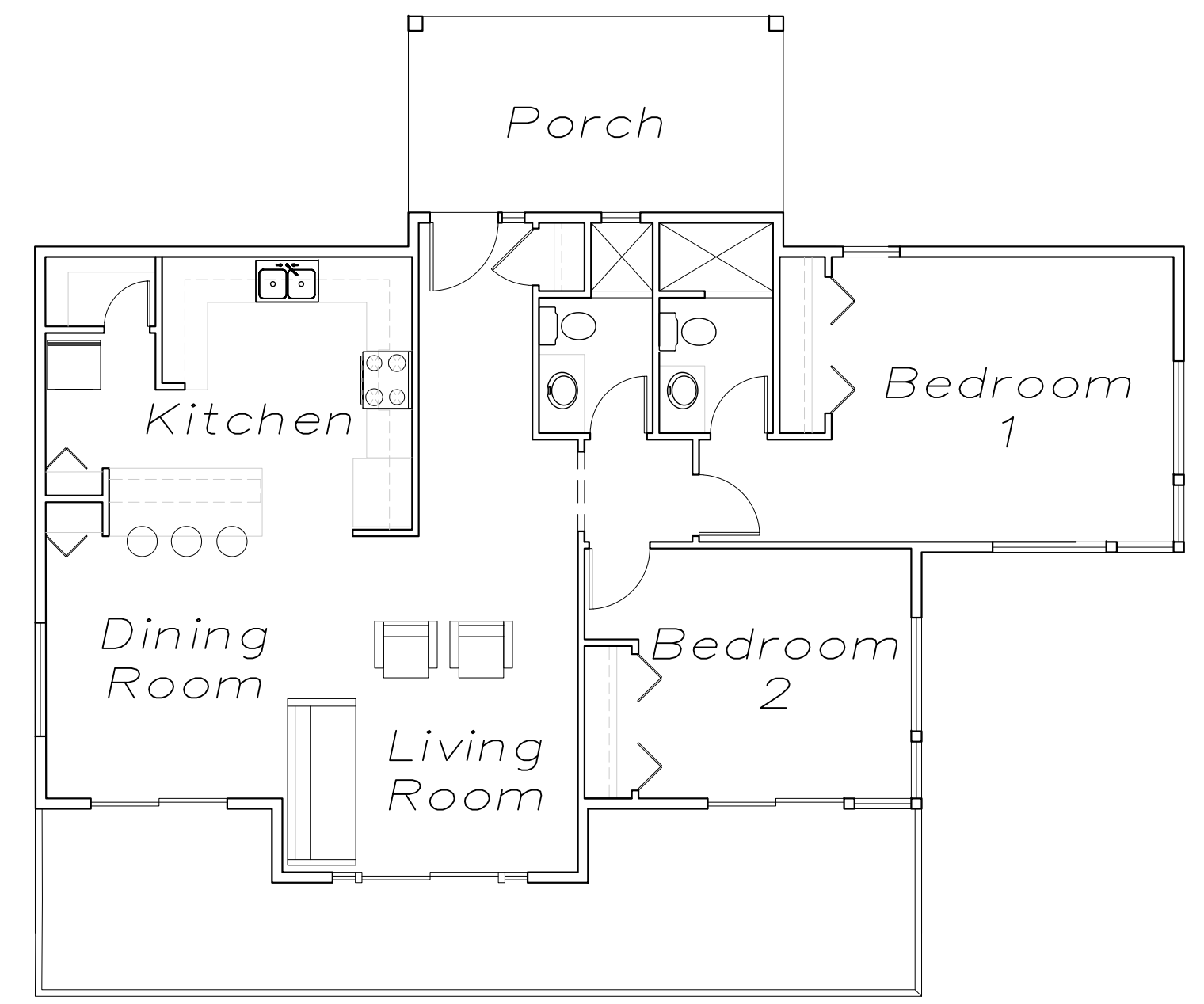
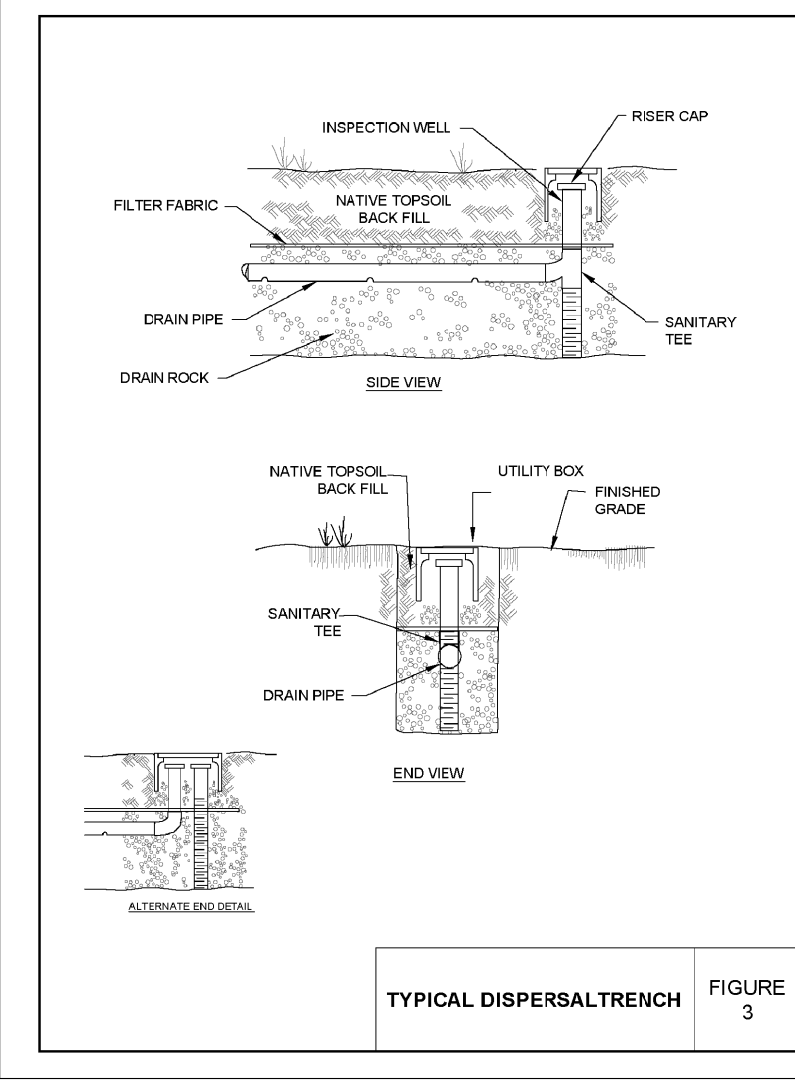
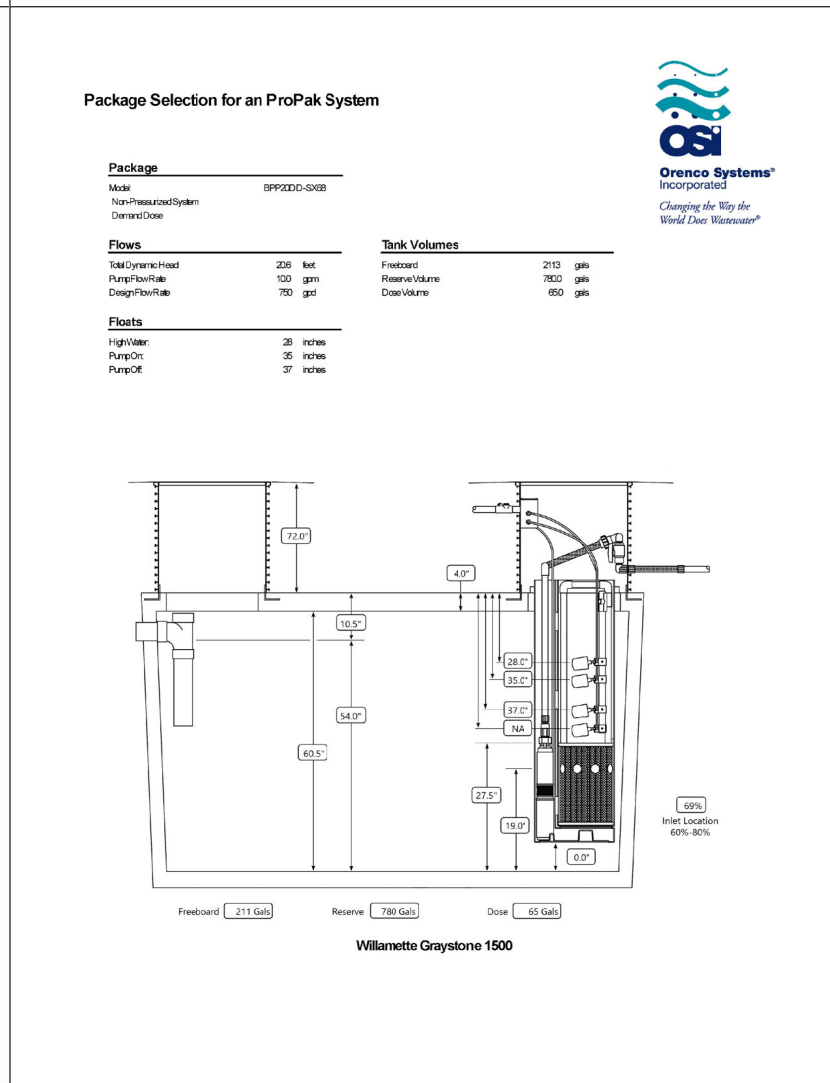
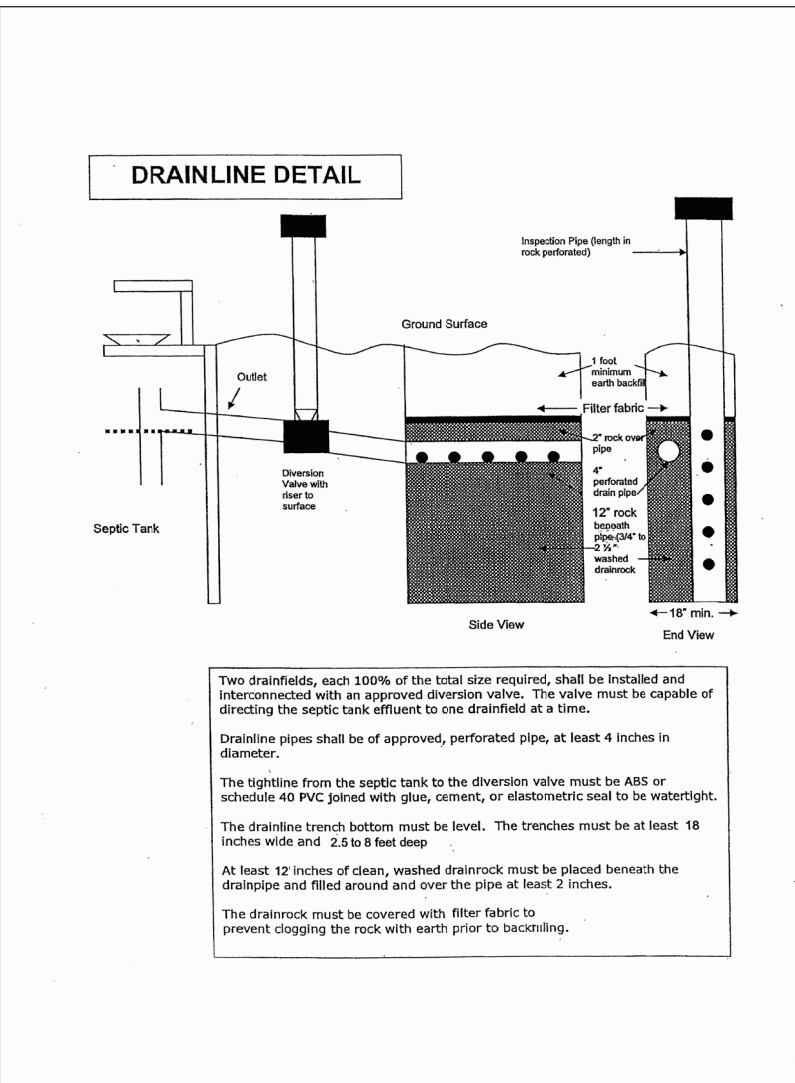
ASSOCIATED TERRA CONSULTANTS, Inc.
 Engineering Geology/Soils Engineering/Hydrology/Surveying
 1725 Dell Avenue, Campbell, California 95008
 Phone: 408-866-1067 Email: office@aterracon.com

Designed:	No	Revision	By	Date	Project Number:
Drawn By:	DD				246862
Checked:	RH				
Date:	10/15/20				



FIRST FLOOR PLAN

BASEMENT PLAN



ADU FLOOR PLAN

**SEPTIC FIELD DESIGN
LANDS OF PROCTOR**
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Designed:	No	Revision	By	Date	Project Number:
Drawn By: DD					246862
Checked: RH					
Date: 10/15/20					SHEET 3 OF 3