

**ELSA FRICK, REHS
11377 BARNETT VALLEY ROAD
SEBASTOPOL, CA 95472
707 304-3015**

July 8, 2021

Ben Walker, EHS trainee
Permit Sonoma
2550 Ventura Ave
Santa Rosa, CA 95403

Re: 1384 Barlow Lane, SEP20-0541

Dear Ben,

This letter is to state that I have seen the installation of the septic system on the subject property and find it to be in substantial conformance with the approved plan. The tanks were placed in a different location from the approved plan as shown on the attached plan of record.

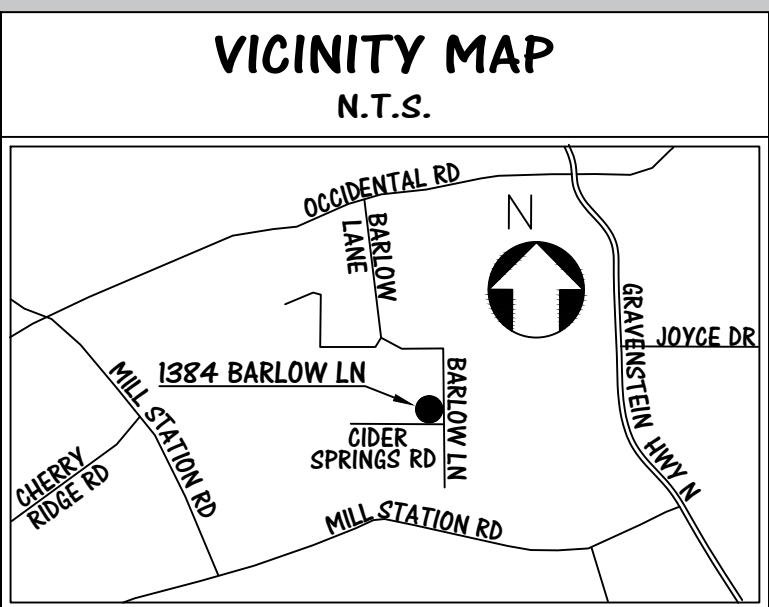
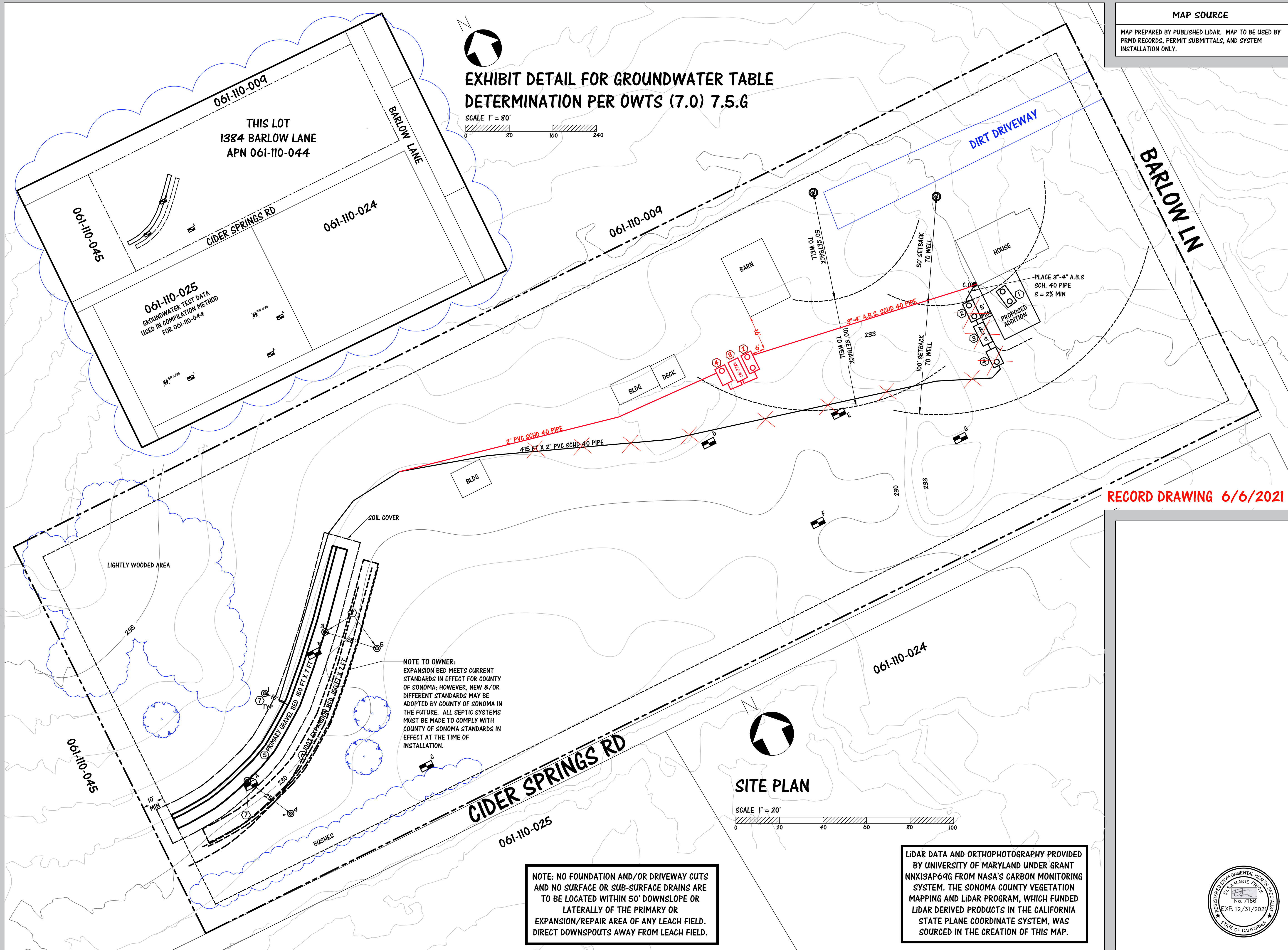
McCollum Engineering Contractors have been retained as the service provider for this Advantex system. The discharge dose to the at-grade was set at 4.5" in the 1200 gallon sump tank (4.5" x 23.53gal/in = 106 gallons per dose). The dose counter read 13 on June 1, 2021.

If you have any questions or comments regarding this, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Elsa Frick".

Elsa Frick, REHS #7166



SEPTIC DESIGN SIZING

PRE-PERC SITE MEETING, WSR20-0432, CONDUCTED
8/25/2020 WITH ELSA FRICK, REHS AND EMMY MYSZKA,
REHS BY VIDEO.

GROUNDWATER DETERMINATIONS BY COMPIATION METHOD,
31.75" AND 35" DEPTH TO GROUNDWATER WITHIN 300 FT
OF PROPOSED SITE IN SAME TOPOGRAPHIC PLANE AND SOIL
CONDITIONS

PROFILES A,B AND C DEMONSTRATED SUITABLE CONDITIONS
FOR A MOUND OR AT-GRADE WITH PRE-TREATMENT TYPE
SEPTIC SYSTEM WITH FRIABLE SANDY LOAM TO 28"

HYDROMETER ANALYSIS OF SANDY LOAM 12" TO 24" DEEP.
VISUAL OBSERVATIONS SHOWED A STRONG BLOCKY
STRUCTURE AND VERY FRIABLE SOILS. A SEWAGE
APPLICATION RATE OF 0.8 GAL/SF/DAY IS SUITABLE,
APPLIED IN THE SIZING OF THE AT-GRADE SYSTEM.

A LINEAR LOADING RATE OF 4 GPD OR LESS IS EMPLOYED.

5 BEDROOMS

5 BDRMS X 120 GAL/DAY/BEDROOM = 600 GAL/DAY

600 GAL/DAY / 4 GPD/LF = 150 LF

600 GPD / 0.8 GPD/SF = 750 SF

750 SF/150 LF = 5 FT WIDE BED

AT-GRADE BASAL AREA 150 FT LONG AND 5 FT WIDE

100% EXPANSION SHOWN, LOT CREATED PM2213 RECORDED
3/25/1971

- DESIGN NOTES
- LOCATE AND ABANDON EXISTING SEPTIC TANK. PUMP
BY LICENSED PUMPER, BACKFILL WITH NATIVE EARTH,
SAND, CONCRETE OR GRAVEL OR REMOVE TANK AND
TAKE TO APPROVED SANITARY LAND FILL. SEE PG 3.
 - INSTALL 1500 GALLON IAPMO APPROVED
2 COMPARTMENT SEPTIC TANK WITH RISERS 6" ABOVE
GRADE. EFFLUENT FILTER RECOMMENDED.
 - INSTALL ORENCO ADVANTEX AX25-RT NSF 40 APPROVED
PRE-TREATMENT UNIT WITH GRAVITY DISCHARGE
 - INSTALL NEW IAPMO APPROVED 1200 GALLON SUMP
TANK WITH RISER 6" ABOVE GRADE
 - INSTALL NEW AT-GRADE DISPERSAL SYSTEM 150 FT X 7 FT
 - 100% EXPANSION AREA AT-GRADE GRAVEL BED
 - INSTALL MONITORING WELLS, SEE PG 3

LEGEND

DESIGN NOTE	#
SOIL PROFILE HOLES WSR20-0432 8/25/2020	X
CLEAN OUT	C.O.
MONITORING WELL	⊙
PRIMARY AT-GRADE	P #
EXPANSION AT-GRADE	E #
PROPERTY BOUNDARIES	---
TOPD LINE W/ ELEVATION	---#---
SET BACK	----

SEPTIC DESIGN
AT-GRADE WITH PRE-TREATMENT TYPE
SEPTIC SYSTEM CODE CONFORMING

DESIGN FOR: JANE AND NIGEL HARWIDGE	
22 CRESTWOOD DR	
SAN RAFAEL, CA 94901	
415-342-7285	
SITE ADDRESS: 1384 BARLOW LANE	
SEBASTOPOL, CA 95472	
APN: 061-110-044	
DESIGN BY: ELSA FRICK	DESIGN DATE 12/7/2020
R.E.H.S. #7166	
ONSITE WASTEWATER CONSULTANT	REVISION DATE 12/17/2020
TEL: (707) 304-3015	
EFRRICKCONSULTING@GMAIL.COM	
11377 BARNETT VALLEY ROAD	PAGE 1/3
SEBASTOPOL, CA. 95472	
DRAWN BY: DIDI SCHLABACH	