Health Care Services

Alameda County Environmental Health
Meeting Sign-In Sheet

Chevron #9-7127; RO0000185
10 Grant Line Rd, Tracy, CA

Monday, May 04, 2015
3:00 PM

NAME	COMPANY	MAILING ADDRESS	PHONE	Signature	E-MAIL
Dilan Roe	Alameda County	1131 Harbor Bay Pkwy, Suite 250 Alameda, CA 94502	(510) 567-6767	Dilan Roe	Dilan.roe@acgov.org
Mark Detterman	Alameda County	1131 Harbor Bay Pkwy, Suite 250 Alameda, CA 94502	(510) 567-6876		mark.detterman@acgov.org
Muhammed Khan	Alameda County	1131 Harbor Bay Pkwy, Suite 250 Alameda, CA 94502	(510) 567-6844		muhammed.khan@acgov.org
JAGJ Singh					
H.B Dudy			2094827769	H. B Dudy	
Ardi Onsori			510-441-0581		

DIETZ ENGINEERING AND CONSTRUCTION, INC.

Serving Commercial and Industrial Clients

CA Lic. #638281

May 1, 2015

Alameda County Health Agency
Department of Environmental Health
Attn: Dilan Roe, P.E., LEED AP
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

Subject: Alternate Approach for Disposal of Sewer Waste 10 South Grantline Project

Dear Ms. Roe:

The purpose of this letter is to present an alternate approach for disposal of sewer waste water to be generated at the 10 South Grantline project.

Concept

The proposed concept is to direct the waste water from the men's and women's restrooms into septic tanks, one for each restroom. The solids would be collected in the first chamber of the septic tank, the liquid would then be allowed to flow into the second chamber and overflow by gravity into a holding tank. The holding tank would contain a lift station pump which would be used to pump the liquid from the holding tank into a tanker truck for off-site disposal at a sewer treatment plant either in Tracy or in Oakland. The access port for the tanker would be much like a connection used for supplying gas at a service station. A dedicated below ground connection point would be utilized to connect a hose to fill the tanker. This portal would also allow for spill containment and clean up. The liquid would be hauled by a licensed septic hauler in a tanker truck and trailer of about 6000 gallon capacity. The solids collected in the first chamber of the septic tank would be pumped periodically by a septic hauler using a vacuum truck to clean the first chambers. Contracts would be negotiated with the sewer treatment plant and the septic hauler prior to start of operation.

Design

A schematic of the proposed waste water collection system is presented in Sketch 1. Details of the containment are presented in Sketch 2. A copy of the proposed concrete septic tanks is shown in the drawing by P & L Concrete. The holding tank would approximately 8000 gallons (actual size to be adjusted after determination of average daily flow). The 8000 gallon tank would be approximately 8 feet in diameter by 15 feet long and would be constructed of fiberglass. The surface above the tank would be covered with a concrete slab to prevent tank floating in the event of high rainfall or water in the tank pit following a rainstorm with the tank

33233 S. Koster Road • Tracy, CA 95304-9142 • (209) 832-2910 • Fax (209) 833-1288

near empty. A lift station pump of about 200 gallon per minute capacity would be used to fill the septic haulers tractor trailer.

With this concept set back requirements in the Alameda County regulations would not be an issue since the tanks could be located far enough from the bank and from the surface drainage channels. Also this concept reduces the area need for leach field mound system and would permit expansion of the facility to make the facility more attractive to the consumer.

Action

During the meeting proposed for May 4, 2015 at 3:00 p.m. this concept will be discussed and questions which may be generated by you and your staff will be addressed. The purpose of meeting is to obtain acceptance of this proposal so that design of the project may proceed. If this concept is accepted then work will cease on design of a septic system for onsite disposal of the sewer waste.

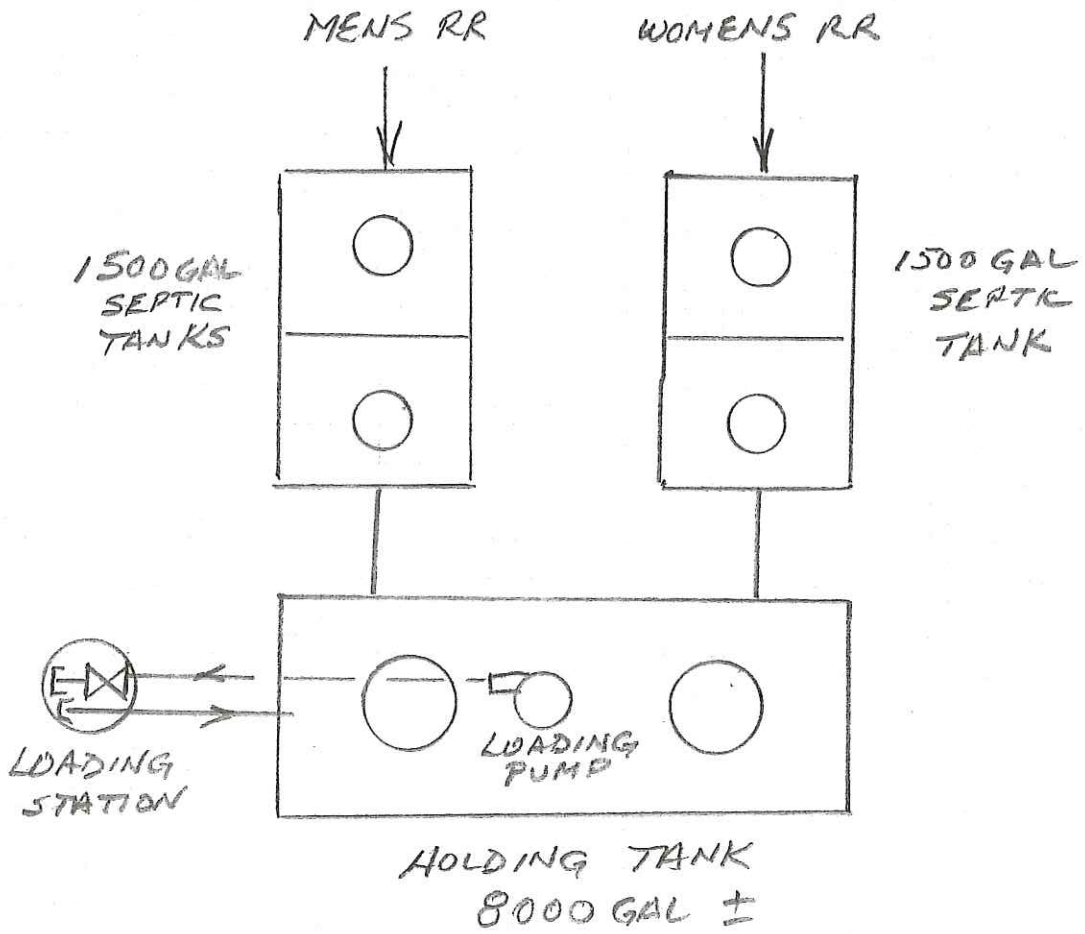
If you have any question please contact me at the number listed below.

Sincerely,

H. B. Dietz

HBD/gwd

Distribution: Jadi Singh



NOTES

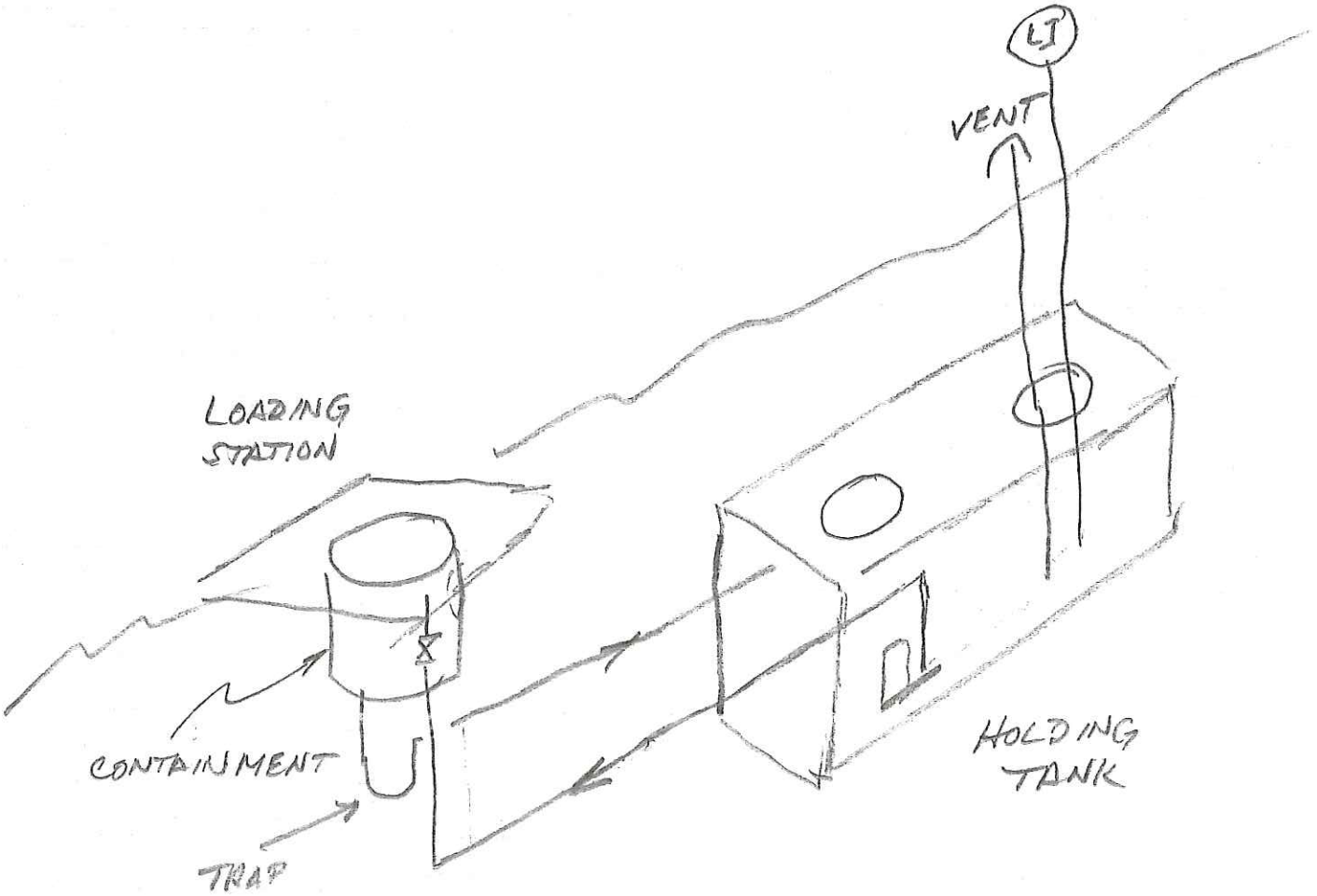
1. HOLDING TANK TO BE COVERED WITH CONCRETE PAD
2. HOLDING TANK VENT TO CONTAIN ACTIVATED CARBON.

SPETIC PLAN

105 GRANTLINE RD

SKETCH 1

4/15



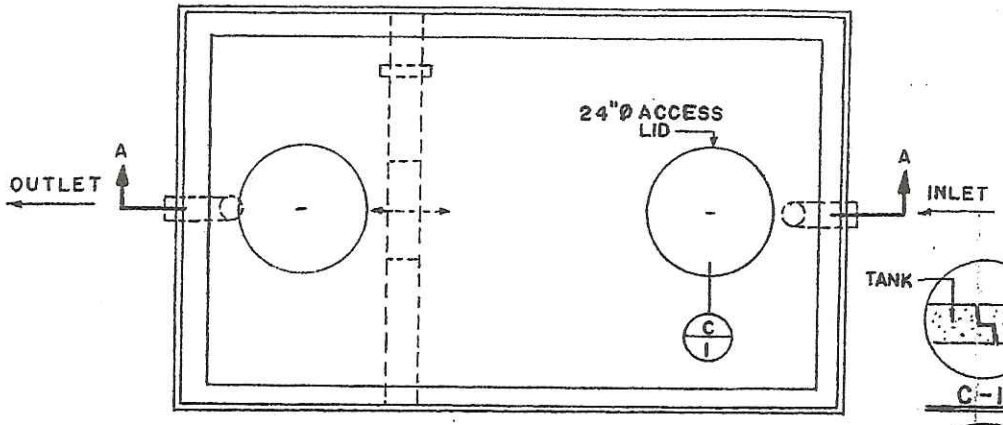
LOADING STATION

SKETCH 2
4/15

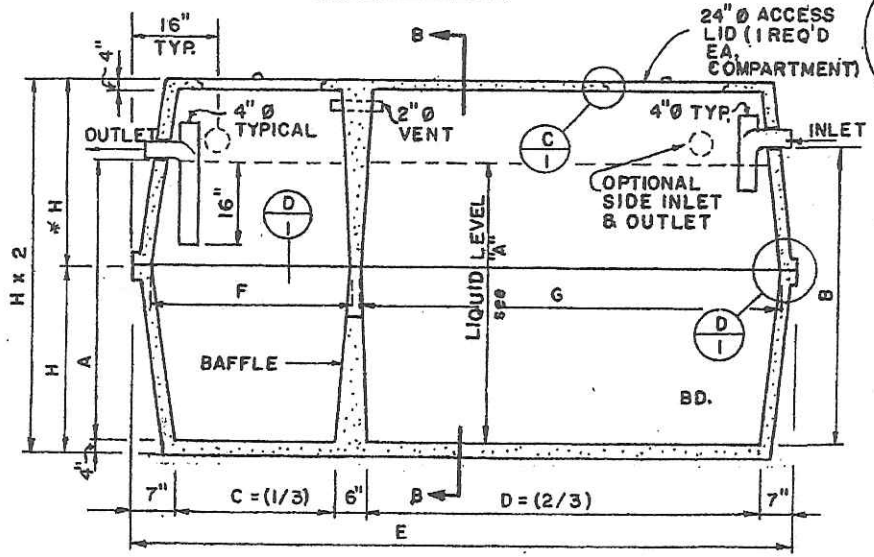
EXCAVATION SPECIFICATIONS				BOTTOM of INLET	BOTTOM of OUTLET
TANK CAP.	WIDTH.	LENGTH	DEPTH.		
1,200 GAL.	6'-0"	11'-6"	6'-6"	54"	54"
1,500 GAL.	6'-6"	11'-6"	6'-9"	57"	55"
1,900 GAL.	7'-6"	13'-0"	6'-9"	57"	55"

DIMENSION SPECIFICATIONS

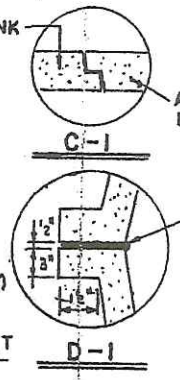
CAPACITY	A	B	C	D	E	F	G	H	J	K	L
1,200 GAL	48"	50"	33"	67"	124"	38"	72"	32"	56"	50"	60"
1,500 GAL	52"	54"	32"	72"	126"	38"	78"	32"	60"	54"	68"
1,900 GAL	50"	52"	37"	82½"	138½"	43"	87½"	35"	70"	65"	79

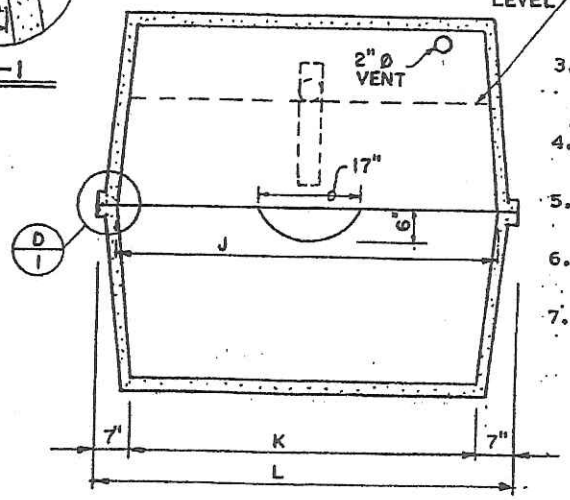


PLAN VIEW



LONGITUDINAL SECTION A-A





SECTION B-B

NOTES

1. Structural Calculations available upon request.
2. Material specifications:
   A. Concrete, Portland Cement Type II, Minimum compressive strength 3000 PSI at 28 days.
   B. Reinforcing bar intermediate grade ASTM A615.
3. [redacted]
4. All dimensions + or -, not to be used for construction purposes unless certified.
5. Precast unit to be placed on natural soil or approved compacted fill.
6. Standard ground water seal- butyl rope mastic or cement mortar.
7. All systrms to be installed in accordance with the Manuel of Septic System Practice and the Uniform Plumbing Code.

ESIGNED BY:

C&G ENGINEERING
3434-b Oakdale Road, Modesto, Ca. 95355 527-8116

FOR:
P&L CONC. PRODUCTS
1900 ROOSEVELT AVE.
[redacted]
ESCALON CA. 95320

1200 to 1900 Gallon Capacity Precast Standard Septic Tank

DATE: 5-15-87		
SCALE: 1/2"=1'-0"		
DRAWN: DLS MP		
JOB #.086	REVISED	DATE
SHEET 1of 5		