

COUNTY LOCATION MAP (NTS)



SITE LOCATION MAP (NTS)

A CONVENTIONAL DEEP TRENCH DISPERSAL SYSTEM IS PROPOSED TO SERVE A TEMPLE AND COMMUNITY CENTER AT 1000 WELLER ROAD, APN: 042-04-029 IN MILPITAS, CALIFORNIA. PLANNED USAGE FOR THE FACILITY IS AS FOLLOWS:

PEAK DAY ATTENDANCE OF 320 PEOPLE

CONSTRAINTS & DESIGN CRITERIA

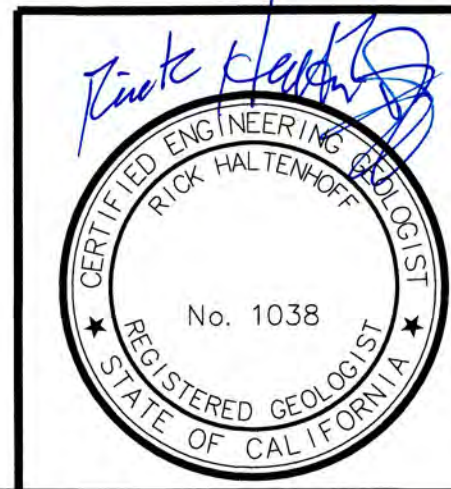
- THE PROPOSED SYSTEM IS DESIGNED TO SERVE A TEMPLE AND COMMUNITY CENTER WITH DESIGN WASTEWATER FLOW OF 5,235 GALLONS PER DAY (GPD) AVERAGE PER COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH AND CALIFORNIA STATE WATER BOARD GUIDELINES.
- *A DESIGN SOIL APPLICATION RATE OF 0.55 GPD/FT² WAS USED TO DETERMINE THE SIZE OF EACH OF THE TWO DRIP FIELD ZONES (PRIMARY AND SECONDARY FIELDS).
- SOILS PROFILES SHOW NO SIGNS OF GROUNDWATER AT APPROXIMATELY 15 FEET.
- NO SPRINGS OR WATERCOURSES ARE SITUATED WITHIN 50' OF THE PROPOSED ONSITE WASTEWATER TREATMENT SYSTEM (OWTS).
- NO WELLS ARE SITUATED WITHIN 100' OF THE PROPOSED ONSITE WASTEWATER TREATMENT SYSTEM (OWTS), THE CURRENT PROPERTY IS SERVED BY A PRIVATE WELL.
- SHOWER FACILITIES ARE TO BE USED BY THE MEDITATION LEADERS BEFORE AND AFTER EACH SERVICE TO RINSE OFF. SHOWERS ARE NOT FOR GENERAL PUBLIC USE.

GENERAL NOTES:

- AN 12,000 GALLON PRIMARY SEPTIC TANK IS TO BE INSTALLED. RISERS WILL BE AT GRADE AND THE TANKS ARE TO BE WATER-TIGHT TESTED PRIOR TO APPROVAL.
- A 1,000 GALLON GREASE INTERCEPTOR WILL BE INSTALLED NEAR THE KITCHEN.
- TWO DRAINFIELDS, EACH 100% OF THE TOTAL SIZE REQUIRED, SHALL BE INSTALLED AND INTERCONNECTED WITH AN APPROVED DIVERSION VALVE. THE VALVE MUST BE CAPABLE OF DIRECTING THE SEPTIC TANK EFFLUENT TO ONE DRAINFIELD AT A TIME.
- DRAINLINE PIPES SHALL BE OF APPROVED, PERFORATED PIPE, AT LEAST FOUR (4) INCHES IN DIAMETER.
- THE TIGHTLINE FROM THE SEPTIC TANK TO THE DIVERSION VALVE MUST BE ABS OR SCHEDULE 40 PVC JOINED WITH GLUE, CEMENT, OR ELASTOMETRIC SEAL TO BE WATERTIGHT.
- THE DRAINLINE TRENCH MUST FOLLOW THE CONTOUR OF THE GROUND AND THE BOTTOM MUST BE LEVEL, WITH A TOLERANCE OF 0 TO 2 INCHES MAXIMUM PER 100 LINEAL FEET. THE TRENCHES MUST BE 24 INCHES WIDE AND THE TRENCH DEPTH MUST BE 8 FEET MAXIMUM.
- A MINIMUM OF 60 INCHES OF CLEAN, WASHED 3/4 TO 2 1/2 INCH DRAINROCK MUST BE PLACED BENEATH THE DRAINPIPE AND FILLED AROUND AND OVER THE PIPE BY AT LEAST 2 INCHES.
- THE DRAINROCK MUST BE COVERED WITH FILTER FABRIC TO PREVENT CLOGGING THE ROCK WITH EARTH PRIOR TO BACKFILLING THE TRENCH.

SANTA CLARA COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH USE ONLY

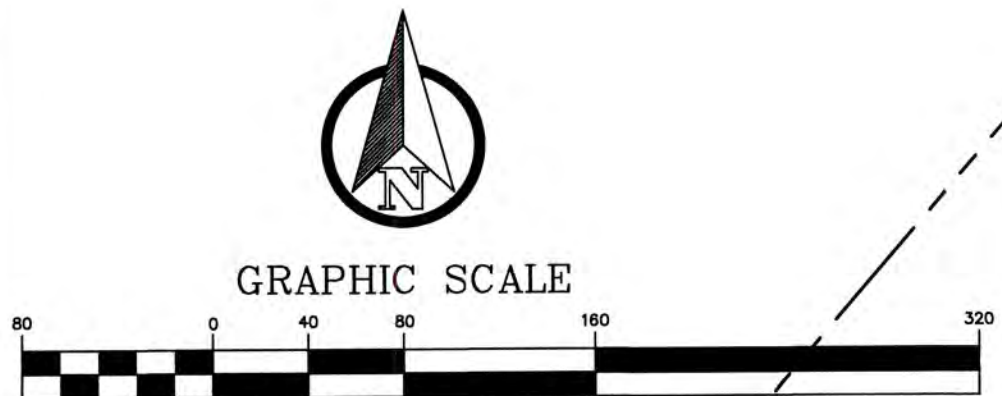
SEPTIC FIELD DESIGN - DEEP TRENCH
JAIN TEMPLE AND MEDITATION CENTER
DIGAMBAR JAIN SANGH OF NORTHERN CALIFORNIA
APN: 042-04-028 + 042-04-029; WELLER ROAD
SANTA CLARA COUNTY, CALIFORNIA

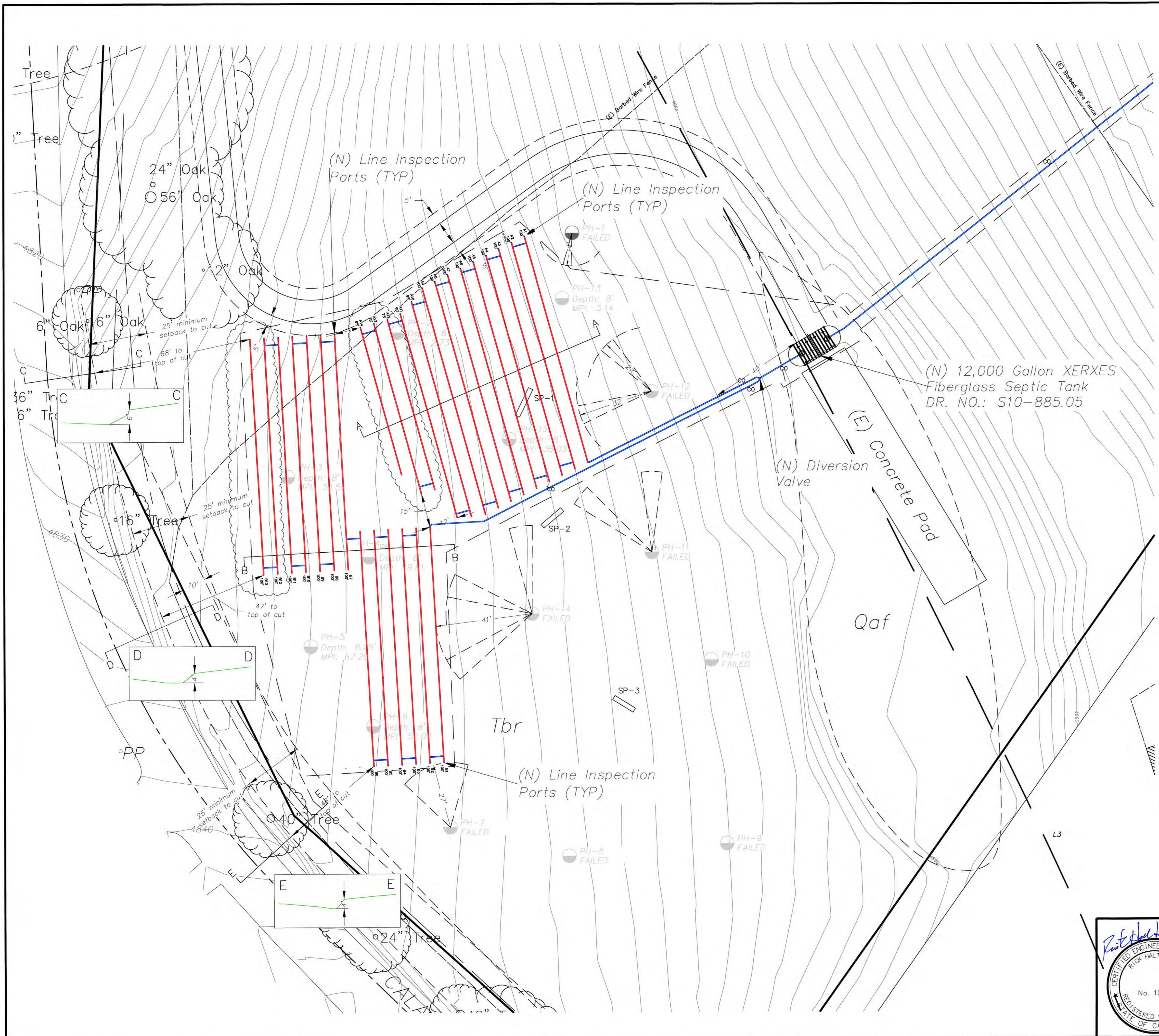


ASSOCIATED TERRA CONSULTANTS, Inc.

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

Designed:	No	Revision	By	Date	Project Number:
DD	1	Changes per comments from DEH	DD	2/8/22	264761
RH	2	Changes per comments from DEH	DD	3/24/22	SR0857766
RH	3	Changes per comments from DEH	DD	5/19/22	
05/10/21	4	Add SWB Requirements to GPD	DD	3/15/23	S1





CONVENTIONAL ONSITE WASTEWATER TREATMENT SYSTEM
 FLOW EQUALIZATION DISPERSAL FIELD SIZING

Reference: ONSITE SYSTEMS MANUAL, MAY 2014

Average percolation rate: 31 mpi

Application rate (Table 1): .55 gpd/sqft²

Effective infiltration area: 8 sqft/lineal foot of trench

Wastewater flow (Average Usage): = 4,800
 Peak Day Septic: 320 X 15 = 4,800
 SWB Calculation Adjustment* = 435
 TOTAL PEAK DAILY ATTENDANCE = 5,235

*See Technical Memorandum by SRT Consultants, 2023.

L = Trench length
 Q = Wastewater flow
 R = Application rate
 A = Effective infiltration area

$L = Q/(R \cdot A)$
 $L = 5,235 / (.55 \cdot 8)$
 $L = 1,190 \text{ LF}$

Two dispersal fields, primary (A) and secondary (B), of 1,190 LF and 1,190 LF; total 2,380 LF.

SEPTIC FIELD LAYOUT

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	100	B4	100
A5	100	B5	100
A6	100	B6	100
A7	100	B7	100
A8	100	B8	100
A9	100	B9	100
A10	95	B10	100
A11	90	B11	100
A12	75	B12	100
A13	75	B13	100
A14	65	B14	100
TOTAL	1300	TOTAL	1300
TOTAL	2600 FT		

LEACHLINE TABLE
 NTS



SEWAGE SYSTEM REVIEW
 SANTA CLARA COUNTY
 DEPARTMENT OF ENVIRONMENTAL HEALTH
 Project Description SR No. 857766

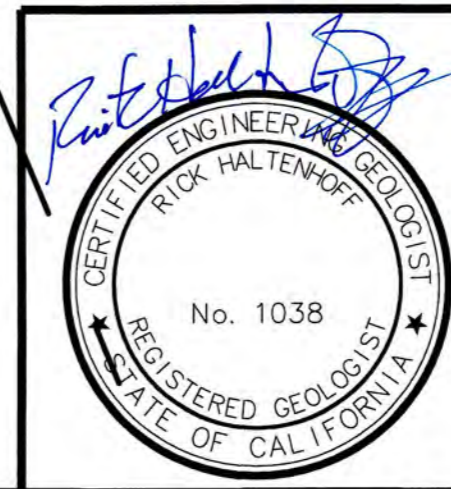
Temple, Assembly hall w/ kitchen, public restrooms 5235 GPD 320 max people

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

New 12,000 gallon septic tank connected to 1190'x1190' w/8 SF

R.E.H.S. Ross *[Signature]* Date 04/27/2023
 Not A Sewage System Permit. Plan is void if absent signature.

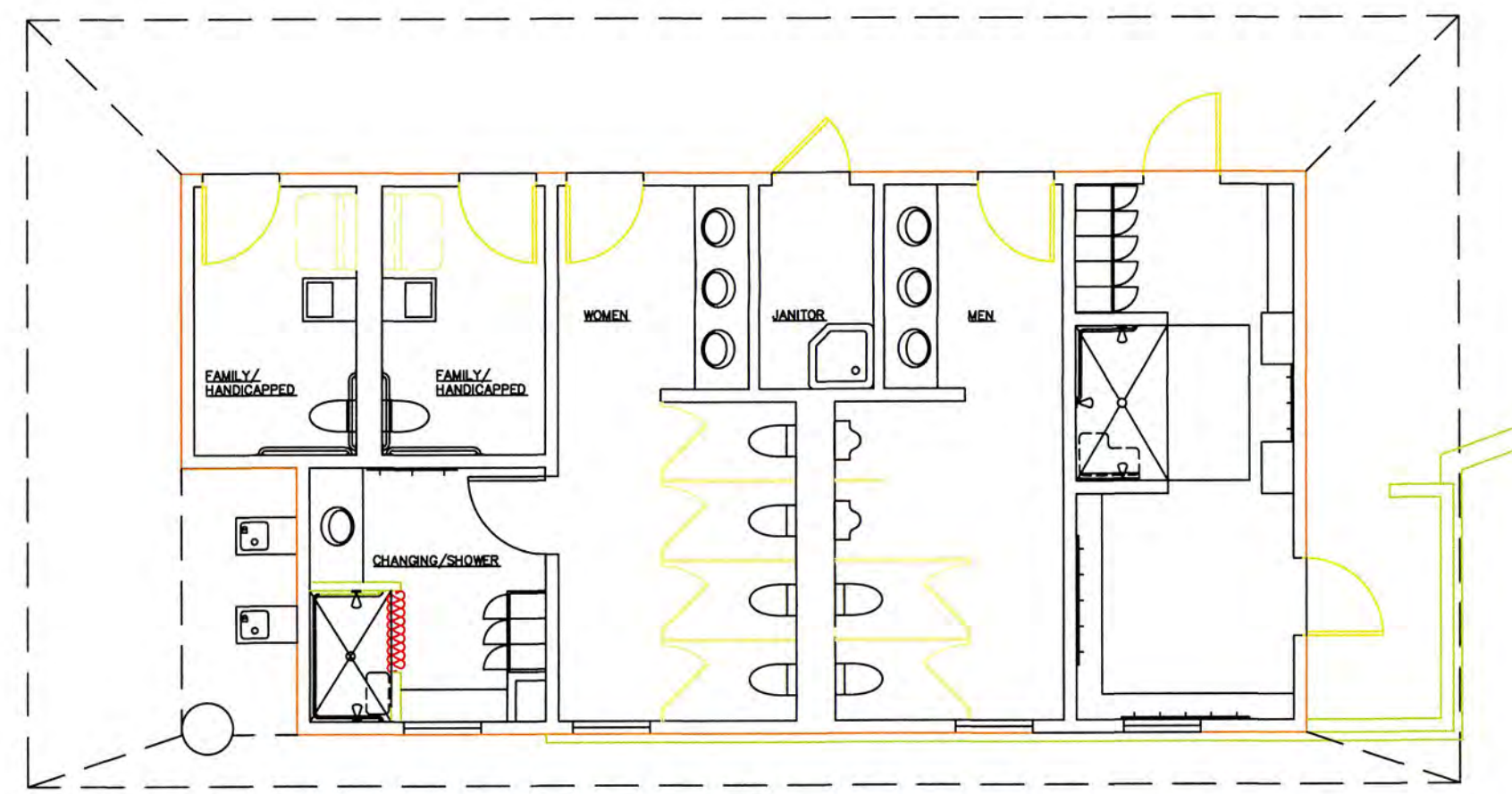
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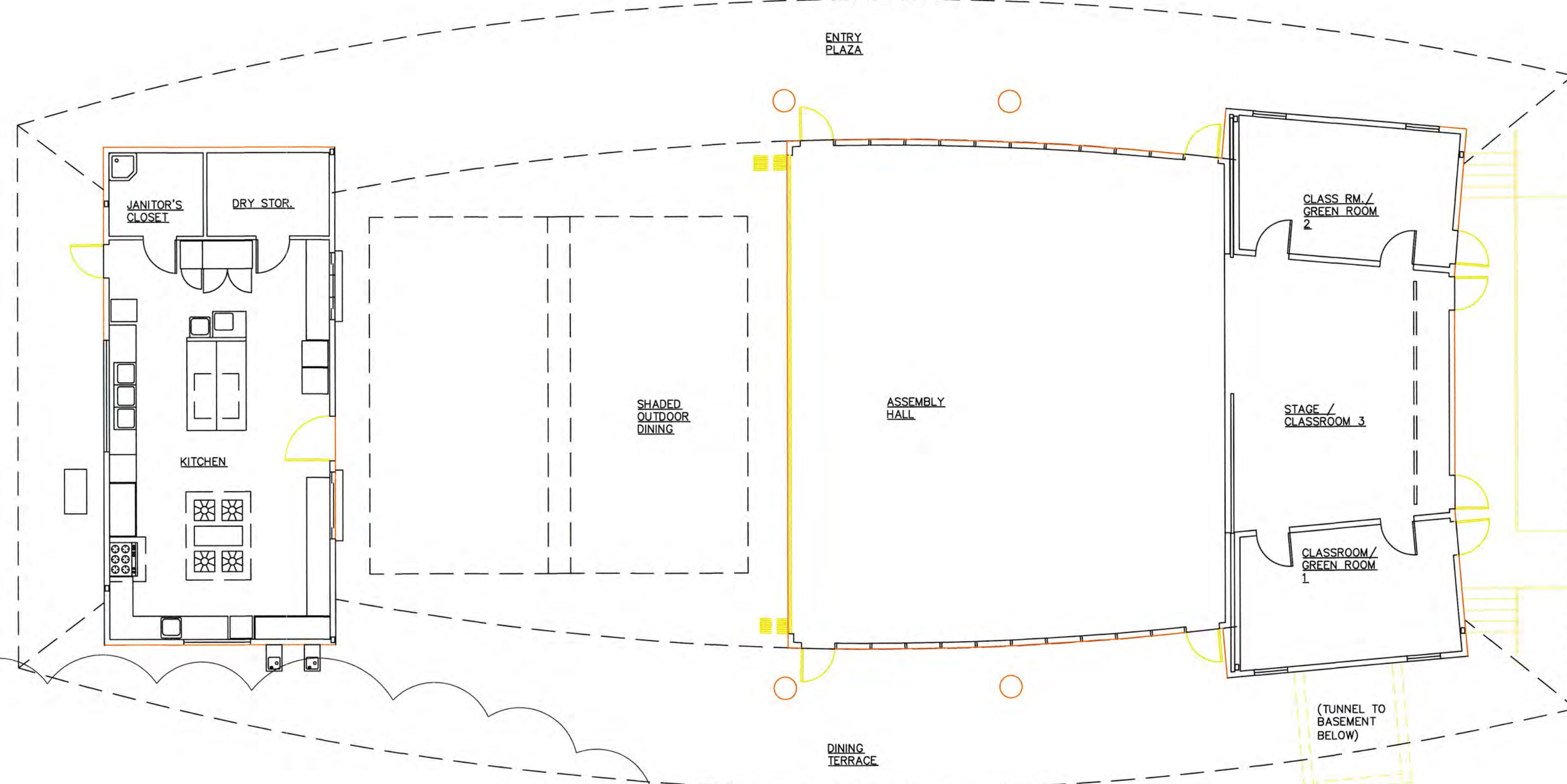
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Date: 05/10/21	△	Changes per comments from DEH	DD	5/19/22	S2
	△	Add SWB Requirements to GPD		3/15/23	

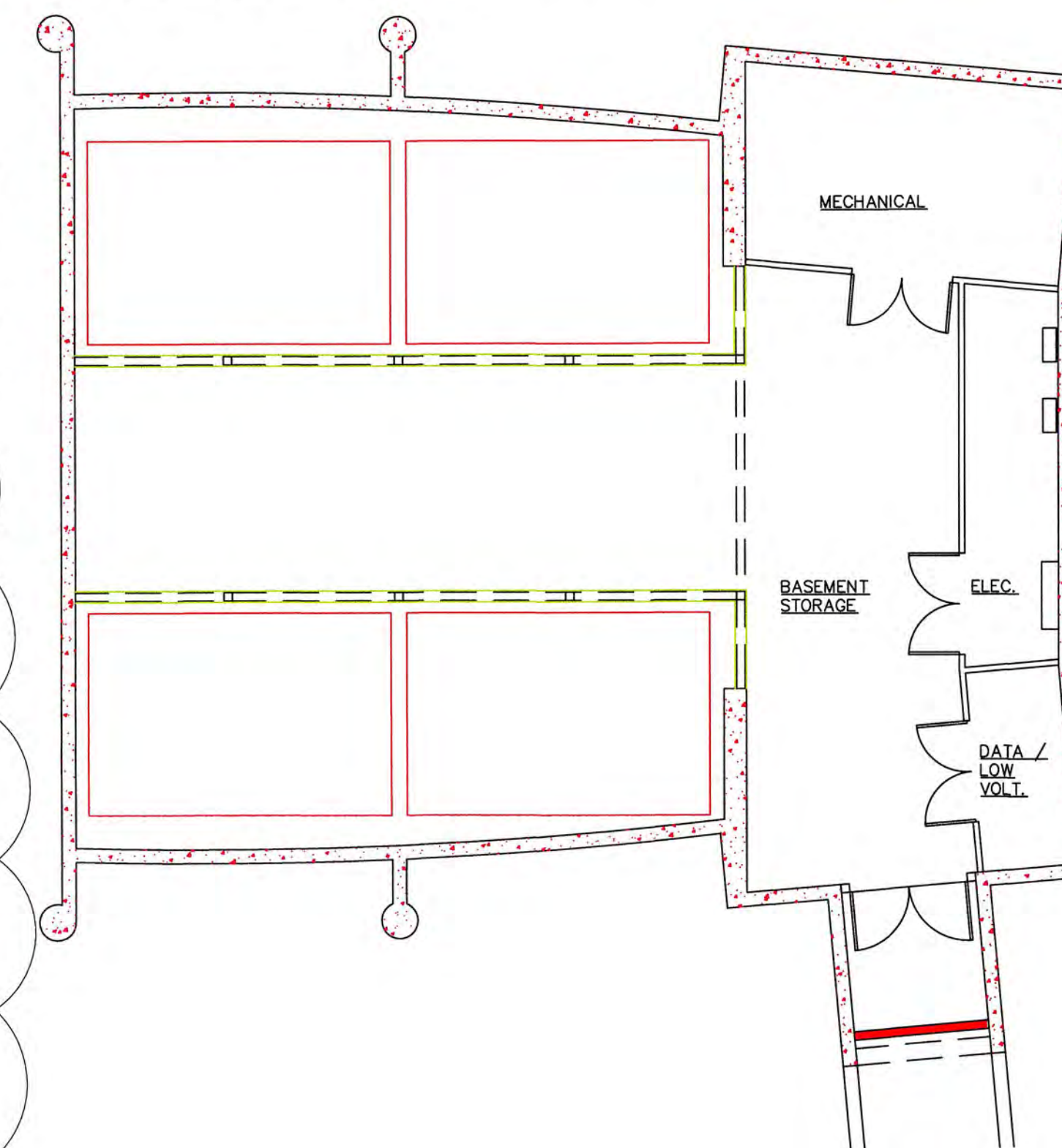
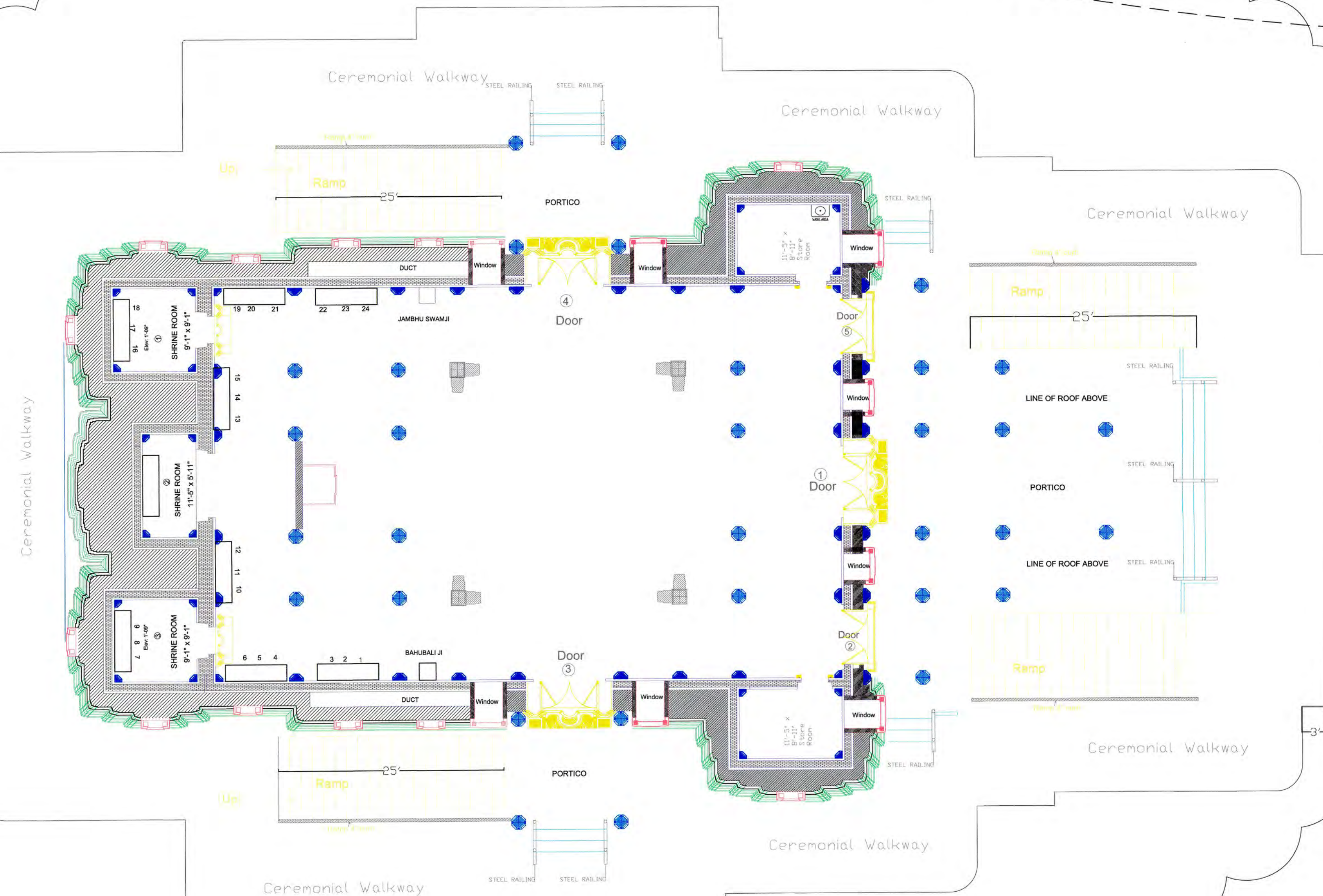
PROPOSED KITCHEN AND ASSEMBLY HALL



PROPOSED BATHROOM AND SHOWER FACILITY
(Showers will be used by Meditation Leaders before and after each service. Showers are not for general public usage.)

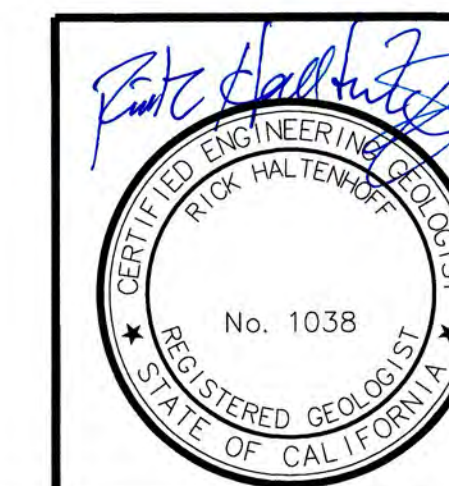


PROPOSED TEMPLE



PROPOSED ASSEMBLY HALL BASEMENT

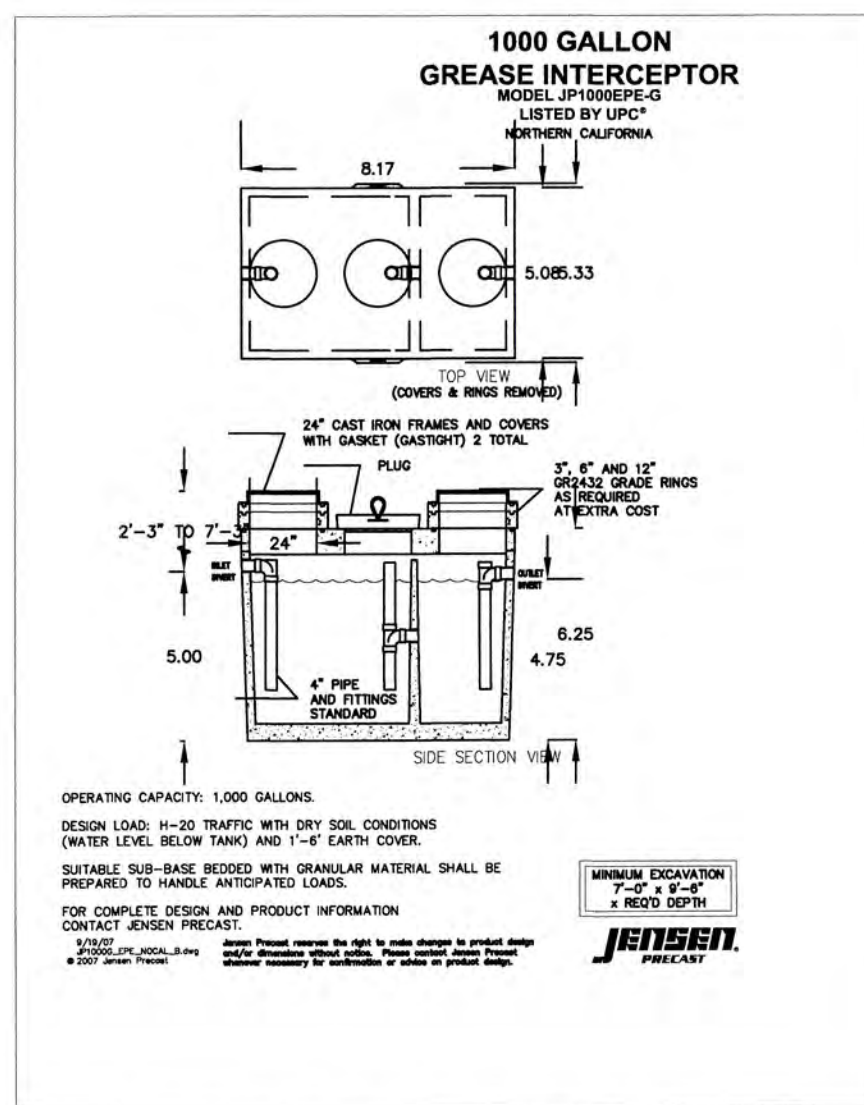
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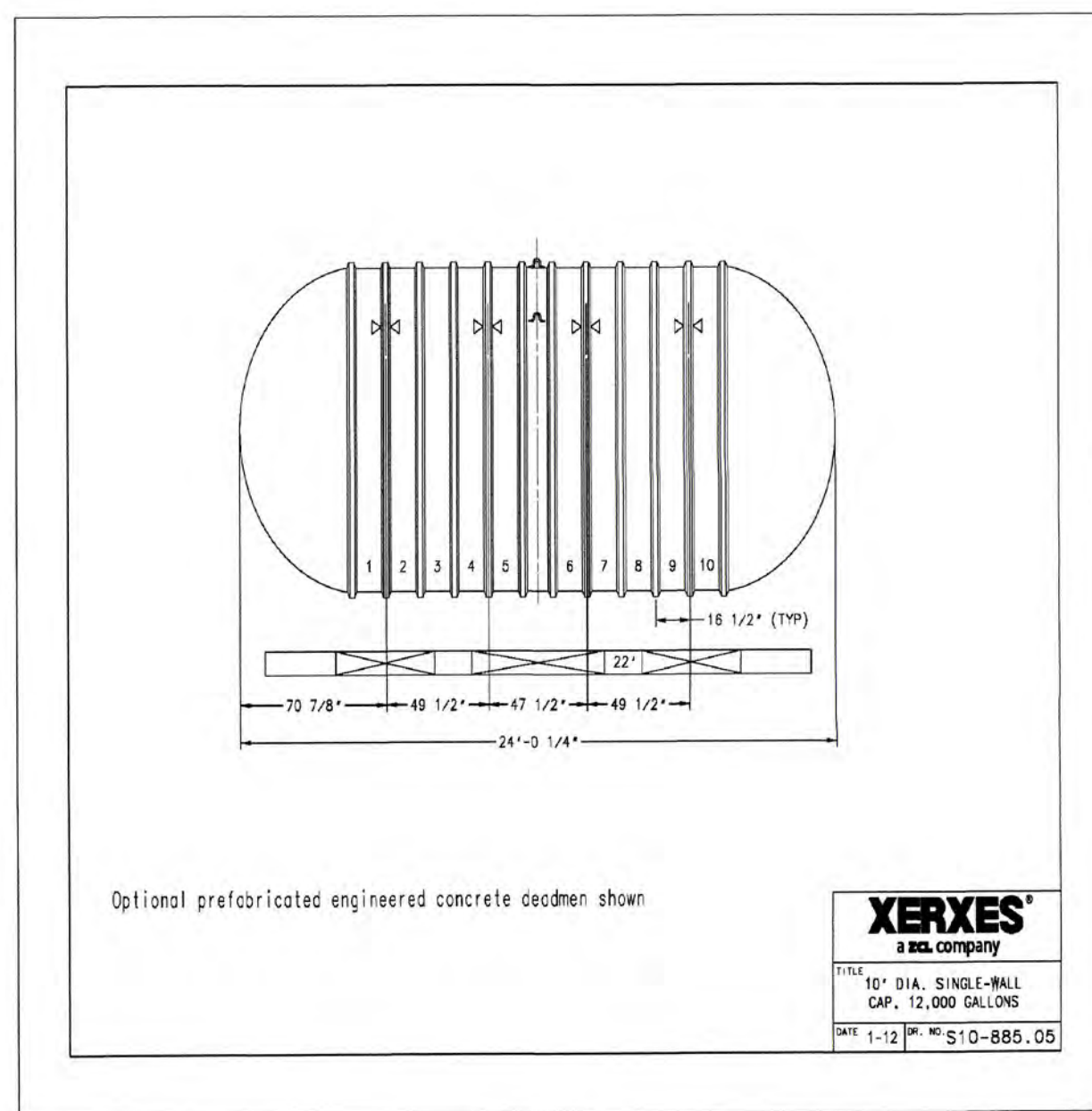
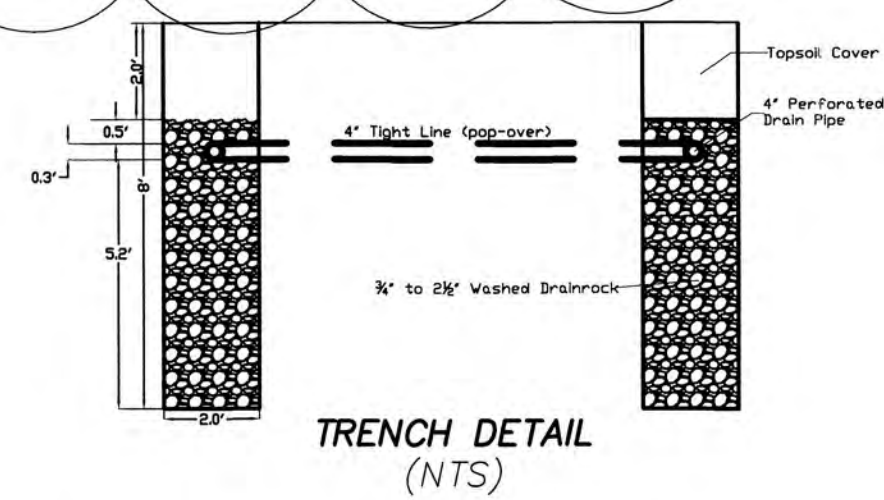
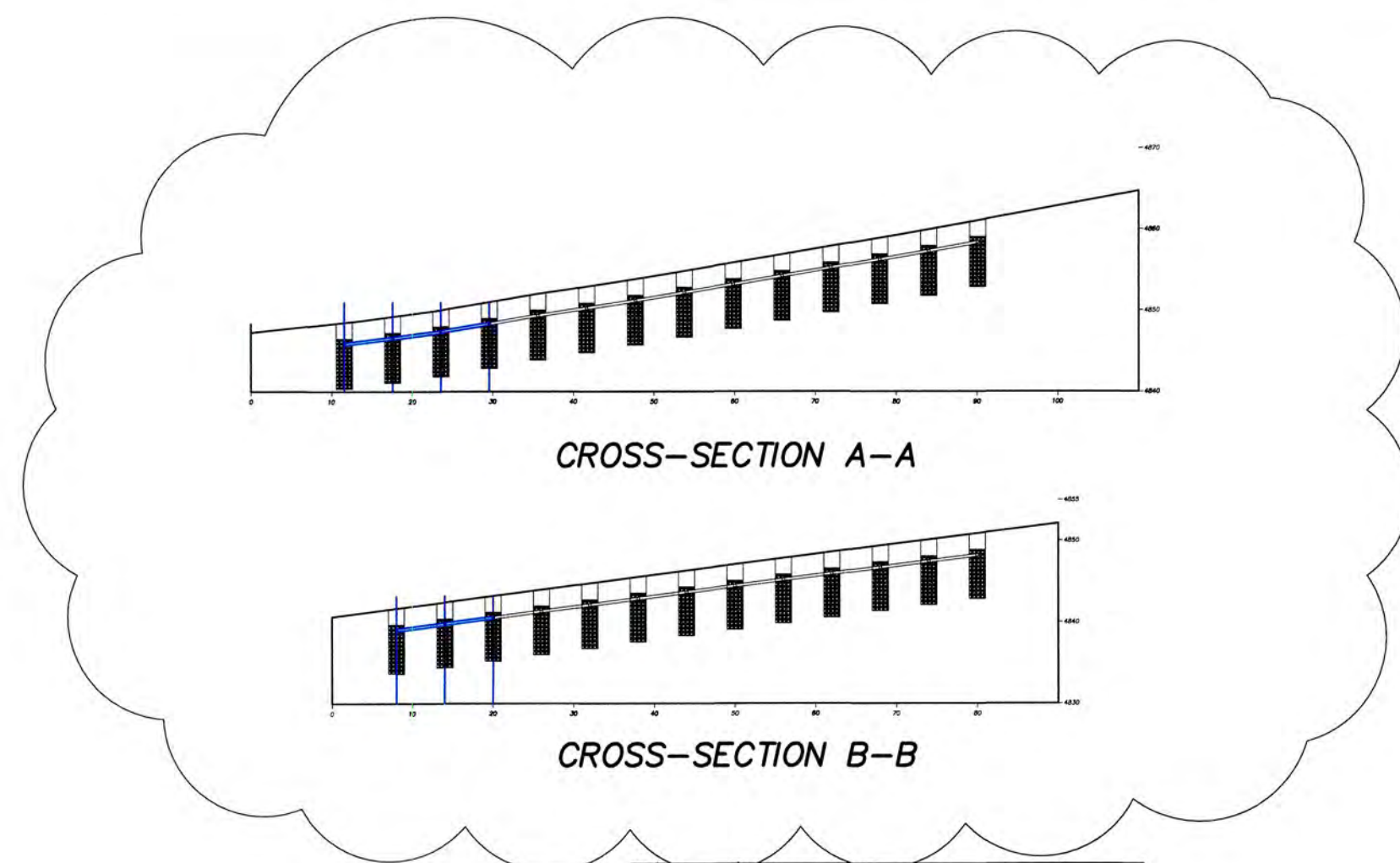
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RH	2	Changes per comments from DEH	DD	3/24/22	SR0857766
RH	3	Changes per comments from DEH	DD	5/19/22	
	4	Updated Temple Floorplan		3/15/23	S4

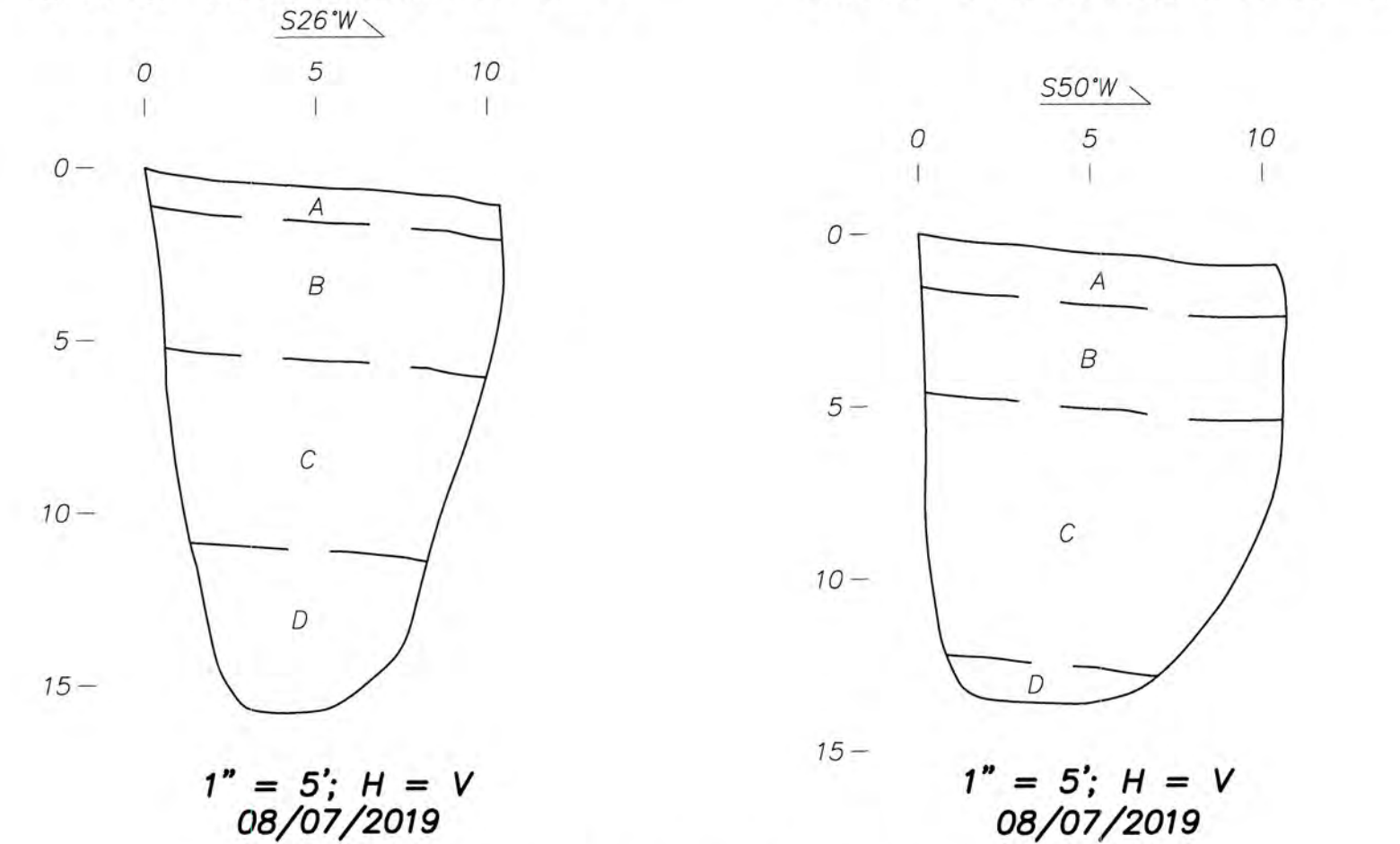


1. 1,000 GALLON JENSEN GREASE TRAP

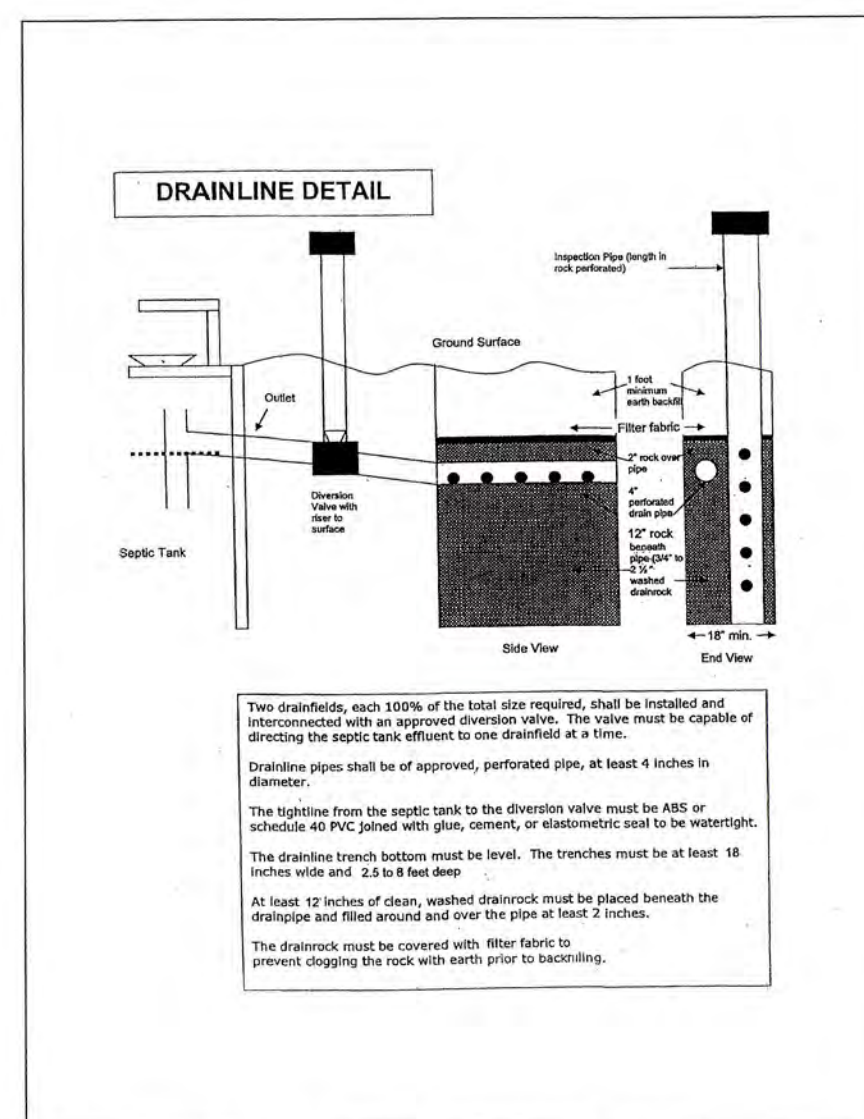


2. 12,000 GALLON XERXES SEPTIC TANK

LOG OF INSPECTION PIT SP-1 LOG OF INSPECTION PIT SP-2



LOG OF INSPECTION PIT SP-2

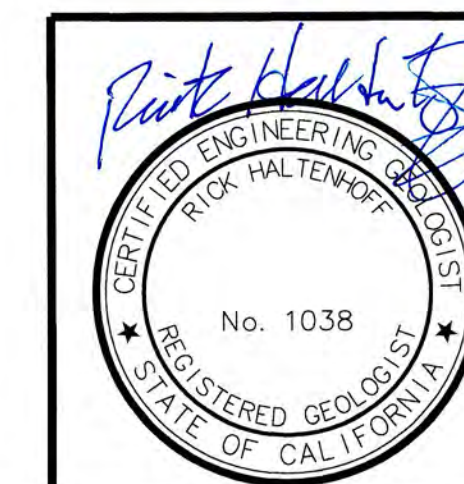


3. SEPTIC SYSTEM DRAINLINE DETAIL

EXPLANATION OF TEST PIT LOGS TP-1 THROUGH TP-3

- A - SILTY CLAY, dark brown, moist, very stiff, high plasticity; some sandstone clasts.
- B - CLAYEY SAND, dark brown to tannish brown, dense.
- C - SANDSTONE, weathered, tannish brown, very fine-grained, dense to medium dense.
- D - SANDSTONE, tan to tannish brown, fine- to medium-grained, moderate to medium sorting; well consolidated.

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