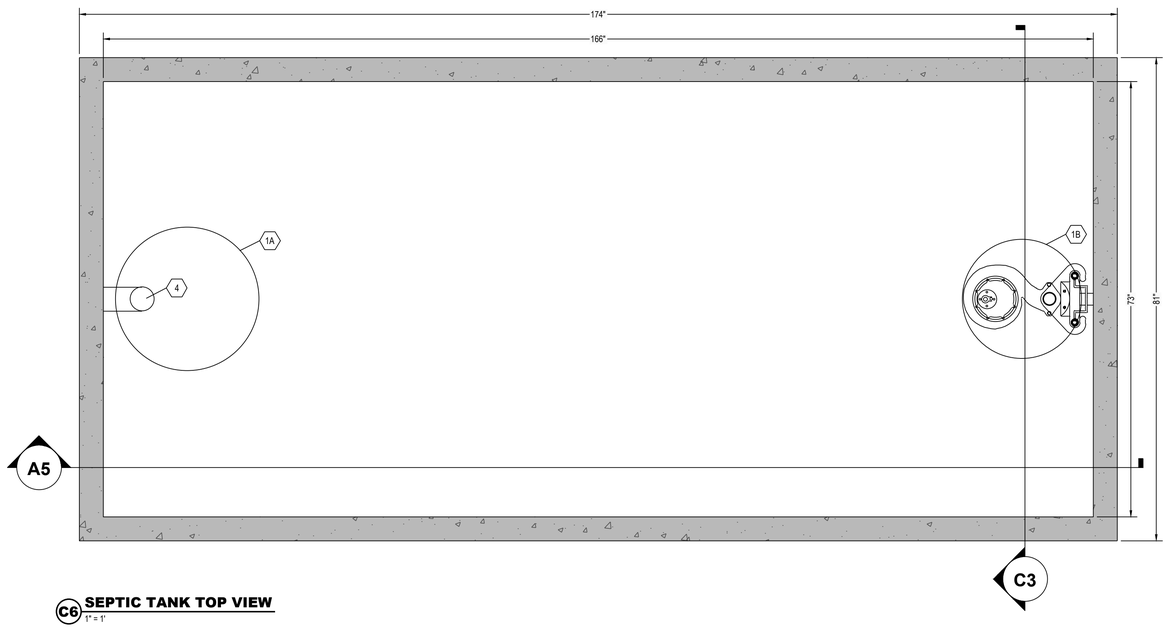
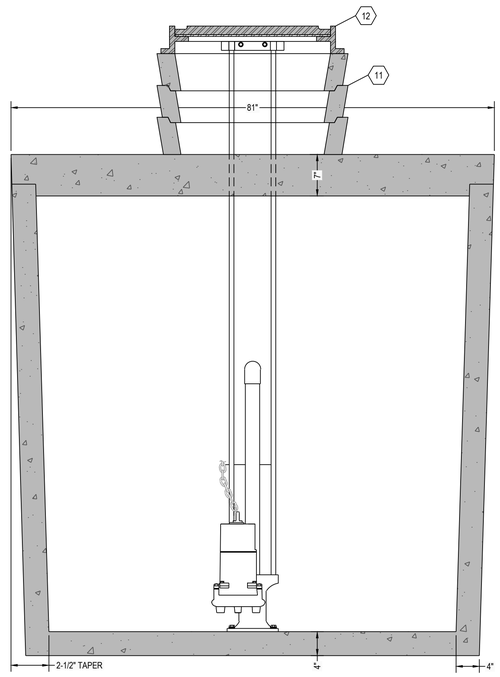


C6 SEPTIC TANK TOP VIEW
1" = 1'



C3 SEPTIC TANK SECTION VIEW
1" = 1'

DESIGN DATA:

1. EARTH COVER = 5 FEET MAX
2. ALLOWABLE WHEEL LOAD = 8000 LB MAX
3. CONCRETE MINIMUM COMPRESSIVE STRENGTH = 5,090 PSI @ 28 DAYS
4. LIFTING HOOKS ARE $\frac{3}{4}$" DIAMETER, ASTM A36 COLD ROLLED STEEL
5. SEPTIC TANK LID IS REINFORCED WITH #3 REBAR SPACED AT 12" OC GRID.
6. SEPTIC TANK BOTTOM AND SIDES ARE REINFORCED WITH 6 X 6 W8.0 X W8.0 WELDED WIRE FABRIC.
7. ALL CONCRETE SURFACES ABOVE THE LIQUID LEVEL ARE COATED WITH AIRLESS ASPHALT.

CASTING WEIGHTS

WEIGHT OF LID: 8,497.6 LBS
WEIGHT OF TANK: 17,222.8 LBS
TOTAL CASTING WEIGHT: 25,720.4 LBS

DOSING TANK CAPACITY:

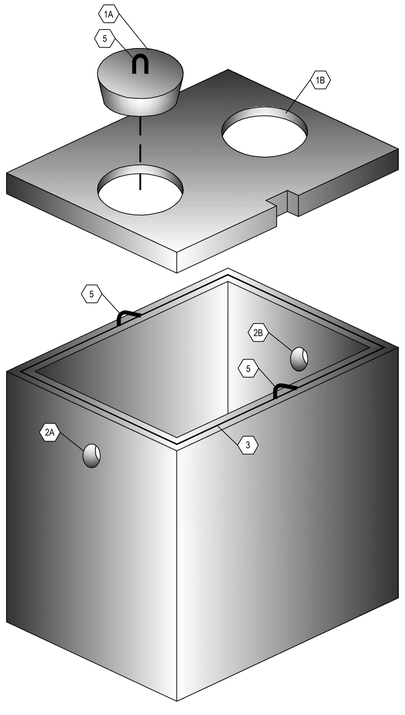
LIQUID STORAGE = 3112 GALLONS
TOTAL VOLUME = 3695 GALLONS

50.2 GALLONS PER INCH
MAXUMUM DOSE = XXX GALLONS (XX")
PUMP COOLING = 653 GALLONS (13")
UNUSED (ALARM) = 201 GALLONS (4")
TOTAL = XXX GALLONS (XX")

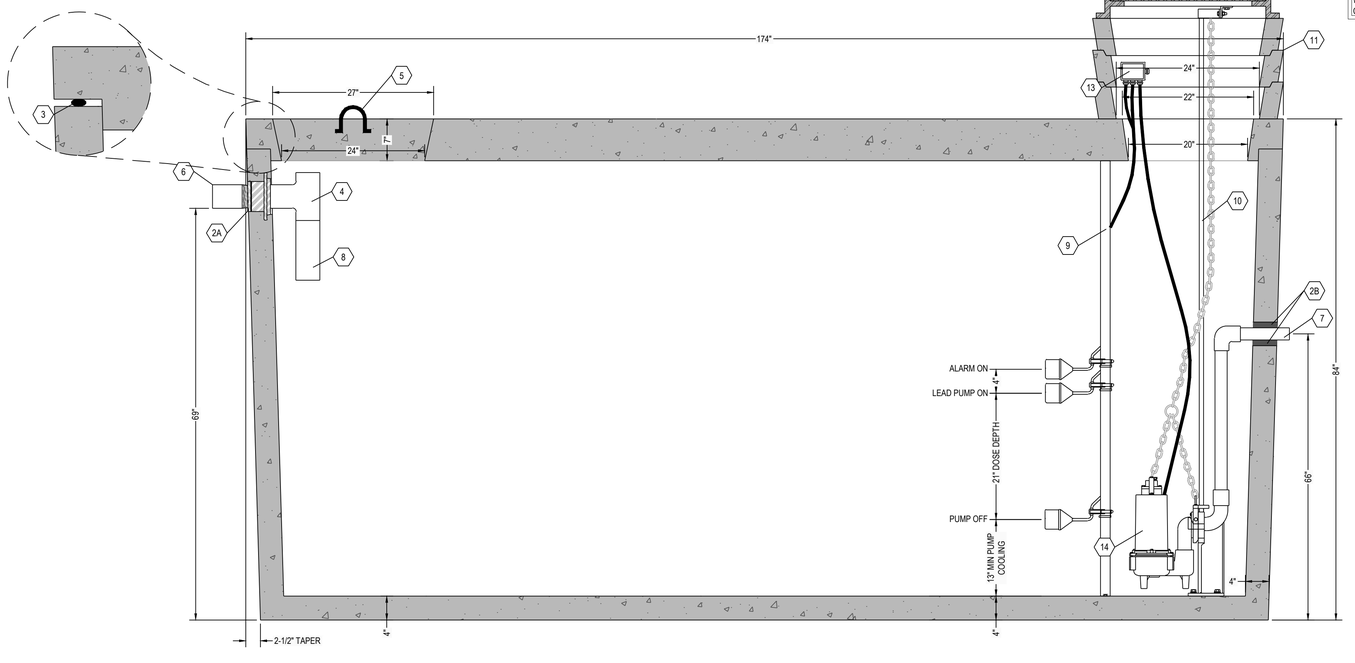
NOTES:

1. SET PUMP ON FLOAT SWITCH ELEVATION ACCORDING TO ELEVATION TABLE (BELOW); WHICH YIELDS THE REQUIRED DOSE VOLUME OF XXX GALLONS.
2. CONTRACTOR SHALL INSTALL CONTROL PANEL ACCORDING TO PUMP MANUFACTURER'S RECOMMENDATION.
3. COORDINATE POWER & ALARM SERVICE PRIOR TO CONSTRUCTION ACTIVITIES
4. ONLY NON-CORROSIVE MATERIALS SHALL BE UTILIZED WITHIN THE DOSING TANK AND FOR THE RISER AND LID (NO GALVANIZED, PAINTED, OR EXPOSED STEEL.
5. AUDIO VISUAL ALARM CIRCUIT MUST LOCK ON WITH ANY PUMP FAILURE WITH MANUAL RESET.

DOSING CHAMBER ELEVATIONS	
DESCRIPTION	ELEVATION (FEET)
BOTTOM OF CHAMBER	0.00
PUMP OFF	1.08
PUMP ON	2.83
ALARM	3.17
LAG PUMP ON	N/A



A6 THREE DIMENSIONAL ISOMETRIC VIEW
NTS



A5 SEPTIC TANK SECTION VIEW
1" = 1'

NOTE:
24" DIAMETER POLY RISERS & LIDS OR CUSTOM RECTANGULAR RISERS WITH ALUMINUM HATCHES ARE AVAILABE AS SUBSTITUTES TO CONCRETE GRADE RINGS AS SHOWN HEREON.

KEYNOTE INDEX	
1A	24" DIAMETER MANWAY
1B	20" DIAMETER MANHOLE OPENING
2A	HIGH PRESSURE CLOSED END BOOT SEAL
2B	TS-4PRO RUBBER GASKET SEAL BY TUF-TITE
3	MASTIC ROPE
4	SANITARY TEE AT INLET
5	$\frac{3}{4}$" DIAMETER LIFTING HOOKS
6	6" DIAMETER INLET
7	X" DIAMETER OUTLET
8	12" EXTENSION AT INLET
9	FLOAT POLE ASSEMBLY WITH STAINLESS STEEL HARDWARE
10	RAIL SYSTEM WITH STAINLESS STEEL RAILS & HARDWARE
11	CONCRETE GRADE RING (AS NECESSARY)
12	CAST FRAME & COVER (NOT INCLUDED)
13	WATERTIGHT ELECTRICAL JUNCTION BOX
14	DOSING PUMP

*** ALL RENSSELAER SEPTIC TANKS ARE MONOLITHICALLY POURED ***

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PROJECT NAME
CLIENT NAME
ADRESS

PROJECT NO: ---
FILE: 3000 GAL- SINGLE- TR- SIMPLEX.DWG
DRAWN BY: ASJM
CHECKED BY: PEW

TITLE:
MANUFACTURER'S DETAIL DRAWING
3000 GALLON SIMPLEX CHAMBER
TRAFFIC RATED

R-000