





NO.	REVISIONS	DATE

- DESIGN PER PERFORMANCE TEST PER ASTM C1227
- TOP SURFACE AREA 56.25 FT<sup>2</sup>
- F'C @ 28 DAYS; CONCRETE = 6,000 PSI MIN.

- TANK TO BE SET ON 5" MIN. SAND BED OR PEA GRAVEL
- TANK TO BE BACKFILLED UNIFORMLY ON ALL SIDES IN LIFTS LESS THAN 24" AND MECHANICALLY COMPACTED
- EXCAVATED MATERIAL MAY BE USED FOR BACKFILL, PROVIDED LARGE STONES ARE REMOVED
- EXCAVATION SHOULD BE DEWATERED AND TANK FILLED WITH WATER PRIOR TO BEING PUT IN SERVICE
- INSTALLATION WITH WATER TABLE LESS THAN 2' BELOW GRADE
- WELDS C1644--06 FOR RESILIENT CONNECTORS
- INLET AND OUTLET IDENTIFIED ABOVE PIPE DELIVERED COMPLETE WITH INTERNAL PIPING PVC OR CONCRETE RISERS AVAILABLE SECONDARY SAFETY RISERS AVAILABLE WITH PVC RISERS
- VALLEY PRECAST TANK SHOWN BUT ANY CDPHE ACCEPTED MANUFACTURED TANK MAY BE INSTALLED

Technical drawings of the 100-gallon bioassay tank, showing the top view and section view.

**Top View:**

- Overall dimensions: 135" (width) x 60" (depth).
- Two circular access ports are shown, each with a 20" CLEAR ACCESS area.
- A central area is labeled "TANK ID".

**Section View:**

- Overall dimensions: 130" (width) x 68" (height).
- The tank is surrounded by a 4" MAX COVER and an 8" MIN. COVER.
- Key components and dimensions:
  - INLET TEE: 19" height.
  - BIOTUBE EFFLUENT FILTER: 49" height.
  - BUTYL RUBBER SEALANT.
  - RISERS TO FINISHED GROUND (SEE NOTE 27 SHEET 1).
  - FINISHED GROUND.
  - 4" dimension for the base of the tank.
  - 56" dimension for the main body of the tank.
  - 53" dimension for the lower section of the tank.

1. ALL TRENCHES SHALL BE BACKFILLED IN ACCORDANCE WITH THE ABOVE DETAIL UNLESS OTHERWISE SPECIFIED BY THE COUNTY.
2. TRENCH WIDTH SHALL NOT BE LESS THAN 24" WIDE.
3. 95% COMPACTION IS REQUIRED ON ALL TRENCHING ZONES, BOTH IMPROVED & UNIMPROVED AREAS.
4. IN UNIMPROVED AREAS, ALL DISTURBED AREAS SHALL BE RE-GRADED, SEEDING & MULCHED.
5. WHEN INSTALLING SLEEVE BEDDING MATERIAL DEPTH SHALL BE 6" ABOVE SLEEVE.
6. SEWER LINES MUST BE SLOPED WITHIN 10 FEET OF WATER LINE WITH SCHED 40 PVC PIPE.

## NTS



1250 GALLON TWO (2)  
COMPARTMENT CONCRETE TANK

1. *CLEANOUT REQUIRED AT OUTSIDE OF HOUSE PER THE PLUMBING CODE*
2. *CLEANOUT REQUIRED AT 100' MAX. SPACING AND AT CHANGE IN DIRECTION, WHERE TOTAL AGGREGATE CHANGE EXCEEDS 135°*



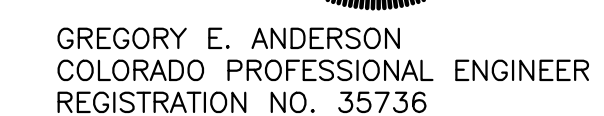
## TYPICAL CHAMBER DETAIL

NTS



NTS

THESE OWTS CONSTRUCTION DOCUMENTS WERE  
PREPARED BY ME AND UNDER MY DIRECT  
SUPERVISION ON BEHALF OF ALPINE LAND  
CONSULTING, LLC FOR JUSTIN MEYER AND  
INCLUDES OWTS DESIGN ONLY, AND DOES NOT  
INCLUDE ANY OTHER PLANNING OR ENGINEERING.



	
<p>ALPINE LAND CONSULTING, LLC</p> <p>P.O. BOX 234 RICO, COLORADO 81332 970-708-0326 GREGG@ALPINELANDCONSULTING.COM</p>	
<p>SITE 66 TROUT LAKE OWTS DETAILS</p>	
<p>CLIENT:</p> <p>JUSTIN MEYER JUSTIN@ROCKETSCIENCE.CC</p>	
DATE:	SEPTEMBER 14, 2020
PROJECT #:	2018008
PROJECT MANAGER:	GEA
DRAWN BY:	ADM
SHEET #:	
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