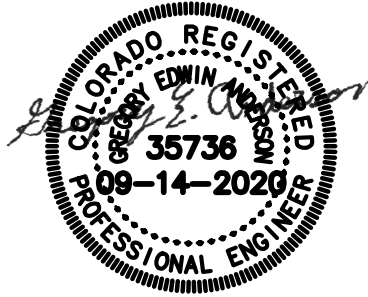


NOTES

- 1. SEE NOTES ON SHEET 1.
- 2. THIS OWTS IS DESIGNED FOR A FOUR (4) BEDROOM HOME WITH 8 PEOPLE TOTAL OCCUPYING THE HOME.
- 3. ALL EXISTING TOPOGRAPHIC SURVEY INFORMATION PROVIDED BY BACKCOUNTRY SURVEYING INC. SEE SHEET 1 (NOTE 22) FOR BENCHMARK INFORMATION.
- 4. CONTRACTOR SHALL VERIFY SIZE, HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING UTILITY FACILITIES AND NOTIFY THE ENGINEER OF ALL DISCREPANCIES BEFORE THE START OF ANY CONSTRUCTION ACTIVITIES.
- 5. CONTRACTOR TO RE-GRADE OVER THE SOIL TREATMENT FIELD, PIPES, TANK, AND DISTRIBUTION BOX TO MEET MINIMUM AND MAXIMUM COVER AS SHOWN ON THE DETAILS PER SHEET 3.
- 6. CONTRACTOR TO SEED ALL DISTURBED AREAS WITH SAN MIGUEL COUNTY APPROVED SEED MIX.
- 7. SEE CIVIL DRIVEWAY PLANS FOR SITE GRADING.

CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987
OR
811
CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR
EXCAVATE FOR THE MARKING OF
UNDERGROUND MEMBER UTILITIES.

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.



GREGORY E. ANDERSON
COLORADO PROFESSIONAL ENGINEER
REGISTRATION NO. 35736



ALPINE LAND
CONSULTING, LLC

P.O. BOX 234
RICO, COLORADO 81352
970-708-0326
GREGG@ALPINELANDCONSULTING.COM

SITE 66 TROUT LAKE
OWTS
COVER SHEET

CLIENT:

JUSTIN MEYER
JUSTIN@ROCKETSCIENCE.CC

DATE: SEPTEMBER 14, 2020

PROJECT #: 2018008

PROJECT MANAGER: GEA
DRAWN BY: ADM

SHEET #:

2 OF 3

NO.	REVISIONS	DATE

ONSITE WASTEWATER TREATMENT PLAN

- DESIGN PER PERFORMANCE TEST PER ASTM C1227
- TOP SURFACE AREA 56.25 FT²
- 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 FOR INSTALLATION WITH WATER TABLE LESS THAN 2' BELOW GRADE
- MEETS C1644-06 FOR RESILIENT CONNECTORS
- INLET AND OUTLET IDENTIFIED ABOVE PIPE DELIVERED COMPLETE WITH INTERNAL PIPING PVC OR CONCRETE RISERS AVAILABLE SECONDARY SAFETY SURVEILLANCE 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, each with a 20" CLEAR ACCESS area.
- Central area labeled "TANK ID".

Section View:

- Overall dimensions: 130" (width) x 68" (height).
- Labels include: RISERS TO FINISHED GROUND (SEE NOTE 27 SHEET 1), FINISHED GROUND, BUTYL RUBBER SEALANT, BIOTUBE EFFLUENT FILTER, INLET TEE, FLEXIBLE BOOT, 8" MIN. COVER, 4" MAX COVER, 5.3" (depth), 49" (height), 19" (height), 5" (height), 4" (height), 56" (height), and 68" (height).

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, SEEDS & MULCHED.
5. WHEN INSTALLING SLEEVE BEDDING MATERIAL, DEPTH SHALL BE 6" ABOVE SLEEVE.
6. SEWER LINES MUST BE SLEEVED WITHIN 10 FEET OF WATER LINE WITH SCHED 40 PVC PIPE.

NTS

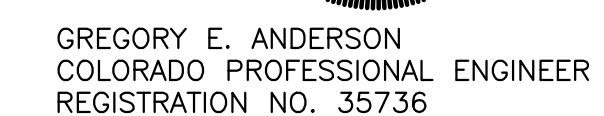



1250 GALLON TWO (2)
COMPARTMENT CONCRETE TANK

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°



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 #:	
<p>3 OF 3</p>	