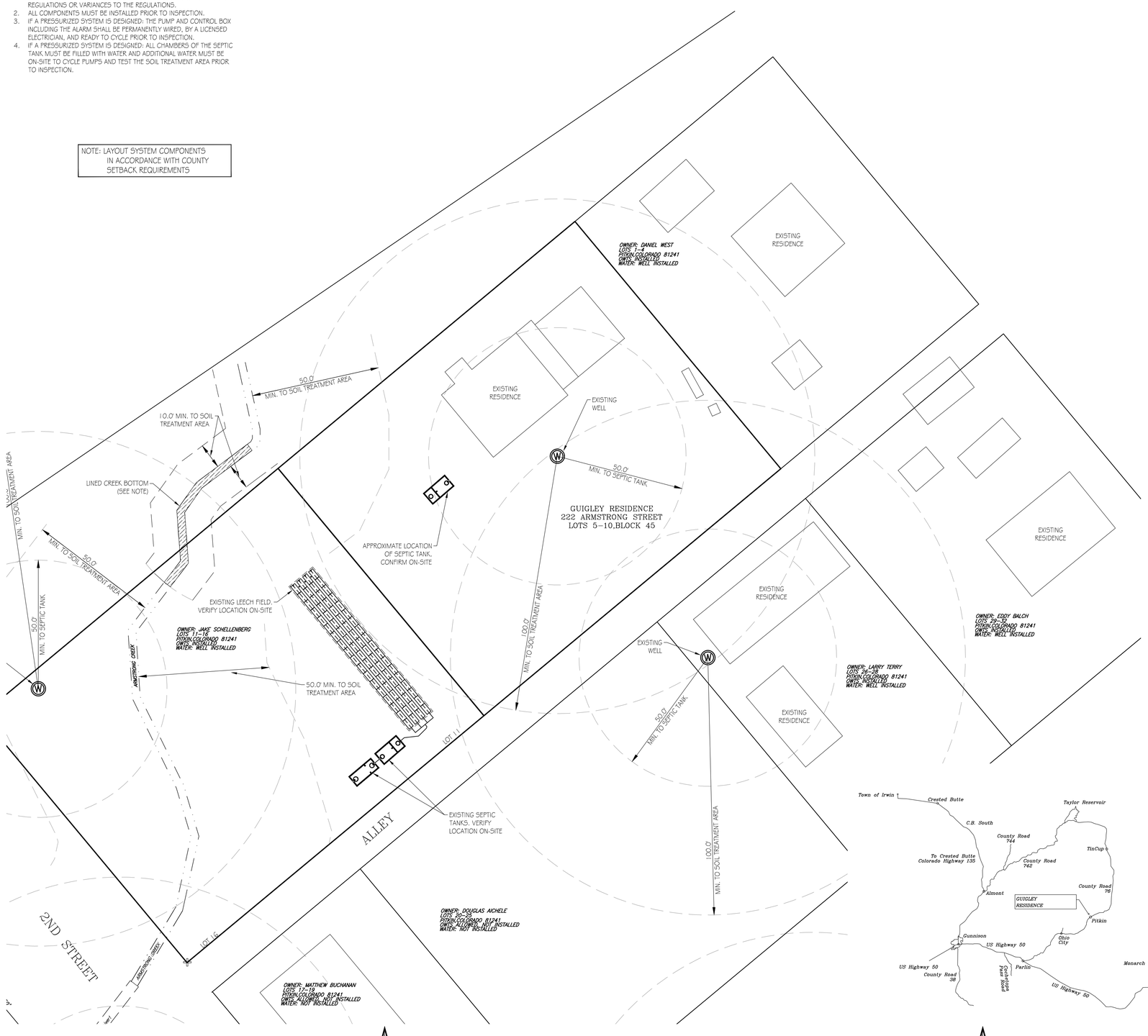
INSPECTION NOTES:

1. A FINAL INSPECTION PRIOR TO BACKFILLING THE SYSTEMS SHALL BE CONDUCTED BY THE LOCAL PUBLIC HEALTH AGENCY AND SCJ ALLIANCE CONFIRMING THE ON SITE WASTE WATER TREATMENT SYSTEM WAS INSTALLED ACCORDING TO THE PERMIT REQUIREMENTS AND REGULATIONS OR VARIANCES TO THE REGULATIONS.
2. ALL COMPONENTS MUST BE INSTALLED PRIOR TO INSPECTION.
3. IF A PRESSURIZED SYSTEM IS DESIGNED: THE PUMP AND CONTROL BOX INCLUDING THE ALARM SHALL BE PERMANENTLY WIRED, BY A LICENSED ELECTRICIAN, AND READY TO CYCLE PRIOR TO INSPECTION.
4. IF A PRESSURIZED SYSTEM IS DESIGNED: ALL CHAMBERS OF THE SEPTIC TANK MUST BE FILLED WITH WATER AND ADDITIONAL WATER MUST BE ON-SITE TO CYCLE PUMPS AND TEST THE SOIL TREATMENT AREA PRIOR TO INSPECTION.

NOTE: LAYOUT SYSTEM COMPONENTS IN ACCORDANCE WITH COUNTY SETBACK REQUIREMENTS



SANITATION PLAN

SCALE: 1" = 20.0'

VICINITY MAP

SCALE: N.T.S.

GUNNISON COUNTY MINIMUM SETBACK REQUIREMENTS:

Minimum Horizontal Distances in Feet Between Components of an On-Site Wastewater Treatment System

	Spring, Well,[1] Suction Line	Potable Water Supply Line	Potable Water Supply Cistern	Dwelling Occupied Building	Property Lines, Piped or Lined Irrigation Ditch	Subsurface Drain, Intermittent Irrigation Lateral, Drywell, Stormwater Infiltration Structure	Lake, Water Course, Irrigation Ditch, Stream, Wetland	Dry Gulch, Cut Bank, Fill Area (from Crest)	Septic Tank
Septic Tank, Higher Level Treatment Unit, Dosing Tank, Vault	50[2]	10[2]	25	5	10	10	50	10	--
Building Sewer or Effluent Lines	50[2]	10[2]	25[2]	0	10[2]	10[2]	50[2]	10[2]	--
STA Trench, STA Bed, Unlined Sand Filter, Sub-surface Dispersal System, Seepage Pit	100[3]	25[2]	25	20	10	25	50[3]	25	5
Lined Sand Filter	60	10[2]	25	15	10	10	25	10	5
Lined Evapo-transpiration Field or Outside of Berm of Lined Wastewater Pond	60	10[2]	25	15	10	10	25	10	5
Unlined Sand Filter in Soil With a Percolation Rate Slower than 60 Minutes per Inch, Unlined or Partially Lined Evapotrans-piration System, Outside of Berm of Unlined Wastewater Pond, or System Not Relying on STA for Treatment Other than Aerosol	100	25[2]	25	15	10	25	25	15	10
Vault Privy	50	10[2]	25	15	10	10	25	10	--
Slit Trench Latrine, Pit Privy	100	50[2]	25	N/A	25	25	100	25	N/A
System Not Relying on STA for Treatment and Utilizing Aerosol Methods	100[3]	10[2]	50	125	10	0	25[3]	10	10

NOTE: The minimum distances shown above must be maintained between the OWTS components and the features described. Where soil, geological or other conditions warrant greater distances may be required by the local board of health or by the Water Quality Control Commission pursuant to section 25-8-206, C.R.S. and applicable regulations. For repair or upgrading of existing OWTS where the size of lot precludes adherence to these distances, a repaired OWTS shall not be closer to setback features than the existing OWTS, as reviewed and approved by the local public health agency. Components that are not watertight should not extend into areas of the root system of nearby trees.

1 Includes infiltration galleries permitted as wells by the Division of Water Resources.

2 Crossings or encroachments may be permitted at the points as noted above provided that the water or wastewater conveyance pipe is encased for the minimum setback distance on each side of the crossing. A length of pipe shall be used with a minimum Schedule 40 rating of sufficient diameter to easily slide over and completely encase the conveyance. Rigid end caps of at least Schedule 40 rating must be glued or secured in a watertight fashion to the ends of the encasement pipe. A hole of sufficient size to accommodate the pipe shall be drilled in the lowest section of the rigid cap so that the conveyance pipe rests on the bottom of the encasement pipe. The area in which the pipe passes through the end caps shall be sealed with an approved underground sealant compatible with the piping used.

3 Add eight feet additional distance for each 100 gallons per day of design flows between 1,000 and 2,000 gallons per day, unless it can be demonstrated by a professional engineer or geologist by a hydrologic analysis or the use of a barrier, consisting of a minimum 30 mil PVC liner or equivalent, that contamination will be minimized. If effluent meets Treatment Level 3N and the local public health agency has a maintenance oversight program in accordance with section 14.D. of this regulation, the distance addition is not required. Flows equal to or greater than 2,000 gallons per day must be hydrologically analyzed for flow, velocity, hydraulic head, and other pertinent characteristics as means of estimating distances required to minimize contamination as part of the Division site application process.

ELJEN GSF A42 INSTALLATION GUIDELINES (COLORADO AS OF JAN. 2017):

1. INSURE ALL COMPONENTS LEADING TO GSF SYSTEM ARE INSTALLED PROPERLY. SEPTIC TANK EFFLUENT FILTERS (OR SCREENED EFFLUENT PUMPS) ARE REQUIRED WITH THE GSF SYSTEM.
2. DETERMINE THE NUMBER OF GSF MODULES REQUIRED PER DESIGN.
3. PREPARE SITE. DO NOT INSTALL A SYSTEM IN SATURATED GROUND OR WET SOILS THAT ARE SMEARED DURING EXCAVATION. KEEP MACHINERY OFF INFILTRATIVE AREAS.
4. PLAN ALL DRAINAGE REQUIREMENTS ABOVE (UP-SLOPE) OF THE SYSTEM. SET SOIL GRADES TO ENSURE THAT STORM WATER DRAINAGE AND GROUND WATER IS DIVERTED AWAY FROM THE ABSORPTION AREA ONCE THE SYSTEM IS COMPLETE.
5. EXCAVATE THE BED ABSORPTION AREA: SCARIFY THE RECEIVING LAYER TO MAXIMIZE THE INTERFACE BETWEEN THE NATIVE SOIL AND SPECIFIED SAND.
6. MINIMIZE WALKING IN THE ABSORPTION AREA PRIOR TO PLACEMENT OF THE SPECIFIED SAND TO AVOID SOIL COMPACTION.
7. PLACE SPECIFIED SAND IN SIX (6) INCH LIFTS, STABILIZE BY FOOT, A HAND HELD TAMPING TOOL OR A PORTABLE VIBRATING COMPACTOR. THE STABILIZED HEIGHT BELOW THE GSF MODULE MUST BE LEVEL.
8. PLACE GSF MODULES WITH PAINTED STRIPE FACING UP, END TO END ON TOP OF THE SPECIFIED SAND ALONG THEIR 4 FOOT LENGTH.
9. A STANDARD 4-INCH PERFORATED PIPE, SDR 35 OR EQUAL, IS CENTERED ALONG THE MODULES 4-FOOT LENGTH. ORIFICES ARE SET AT THE 4 & 8 O'CLOCK POSITION.
10. ALL 4-INCH PIPES ARE SECURED WITH MANUFACTURERS SUPPLIED WIRE CLAMPS, ONE PER MODULE.
11. (PRESSURE DISTRIBUTION SYSTEMS ONLY) INSERT A PRESSURE PIPE (SIZE AND ORIFICES PER DESIGN) INTO THE STANDARD 4-INCH PERFORATED PIPE. THE PRESSURE PIPE ORIFICES ARE SET AT THE 12 O'CLOCK POSITION AS SHOWN ON THE PLANS. EACH PRESSURE LATERAL WILL HAVE A DRAIN HOLE AT THE 6 O'CLOCK POSITION. EACH PRESSURE LATERAL SHALL HAVE A CLEAN OUT AT THE END OF EACH MODULE.
12. COVER FABRIC SUBSTITUTIONS IS NOT ALLOWED. THE INSTALLER SHOULD LAY THE ELJEN PROVIDED GEOTEXTILE COVER FABRIC LENGTHWISE DOWN THE ROW, WITH THE FABRIC FITTED TO THE PERFORATED PIPE ON TOP OF THE GSF MODULES. FABRIC SHOULD BE NEITHER TOO LOOSE, NOR TOO TIGHT. THE CORRECT TENSION OF THE COVER FABRIC IS SET BY:
    A. SPREADING THE COVER FABRIC OVER THE TOP OF THE MODULE AND DOWN BOTH SIDES OF THE MODULE WITH THE COVER FABRIC TENTED OVER THE TOP OF THE PERFORATED DISTRIBUTION PIPE.
    B. PLACE OCCASIONAL SHOVELFULS OF SPECIFIED SAND DIRECTLY OVER THE PIPE AREA ALLOWING THE COVER FABRIC TO FORM A MOSTLY VERTICAL ORIENTATION ALONG THE SIDE OF THE PIPE. REPEAT THIS STEP MOVING DOWN THE PIPE.
13. PLACE 6-INCHES OF SPECIFIED SAND ALONG THE SIDES OF THE MODULE EDGE. A MINIMUM OF 6-INCHES OF SPECIFIED SAND IS PLACED AT THE BEGINNING AND END OF EACH ROW. A MINIMUM OF 12-INCHES OF SPECIFIED SAND IS PLACED BETWEEN MODULE ROWS.
14. CALL TO SCHEDULE THE REQUIRED INSPECTIONS.
15. COMPLETE BACKFILL WITH A MINIMUM OF 12-INCHES OF CLEAN POROUS FILL MEASURED FROM THE TOP OF THE MODULES. BACKFILL EXCEEDING 18-INCHES REQUIRES VENTING AT THE FAR END OF THE BED. USE WELL GRADED NATIVE SOIL FILL THAT IS CLEAN, POROUS AND DEVOID OF LARGE ROCKS. DO NOT USE WHEELED EQUIPMENT OVER THE SYSTEM.
16. DIVERT SURFACE RUNOFF FROM THE SYSTEM. FINISH GRADE TO PREVENT SURFACE PONDING. TOPSOIL AND SEED SYSTEM AREA TO PROTECT FROM EROSION.

GENERAL NOTES:

1. THE HOMEOWNER OR CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER PRIOR TO MAKING ANY CHANGES TO PLANS.
2. SEWAGE TREATMENT SYSTEM TO BE INSTALLED IN ACCORDANCE WITH GUNNISON COUNTY REGULATIONS .
3. COUNTY SHALL BE NOTIFIED FOR INSPECTION PRIOR TO COVERING LATERALS AND WITH ALL SYSTEM COMPONENTS IN PLACE.
4. CONTRACTOR SHALL PRECLUDE ALL VEHICULAR TRAFFIC AND MATERIALS STORAGE ON THE SOIL TREATMENT AREA.
5. PVC SEWER PIPE IS TO BE SDR 35 MEETING ASTM SPECIFICATION D3034.
6. PREPARE TRENCHES BOTTOM AND SIDES BY CAREFULLY LEVELING, RAKING, AND SCARIFYING INFILTRATIVE SURFACES. AVOID COMPACTING TRENCH BOTTOM BY OPERATING HEAVY EQUIPMENT IN THE TRENCHES.
7. INSTALL ALL SEWER LINES AT A MINIMUM SLOPE OF 1/4" DROP PER FOOT.
8. GEOGRID SHALL BE TRIAX TX140 GEOGRID OR EQUAL.
9. NOTIFY ENGINEER IF SOILS TYPES AND CHARACTERISTICS CHANGE IN SOIL TREATMENT AREA.
10. FILTER FABRIC SHALL BE ELJEN COVER FABRIC.
11. PROVIDE ADEQUATE DRAINAGE IN ALL DIRECTIONS OVER SOIL TREATMENT AREA AND PLANT WITH NATIVE PRODUCTS.
12. ALL SUBSTITUTIONS SHALL BE APPROVED BY THE ENGINEER.
13. DO NOT PROVIDE MORE THAN 2 TO 3 FEET OF FILL OVER SEPTIC TANK.
14. IT IS THE SOLE RESPONSIBILITY OF THE SYSTEM INSTALLER TO VERIFY AND CONFIRM THE REQUIRED HORIZONTAL SETBACK DISTANCES ARE MET PRIOR TO EXCAVATION. IF THE DESIGNED PLANS DO NOT REFLECT THE FIELD CONDITIONS THE ENGINEER MUST BE NOTIFIED PRIOR TO PLACEMENT OF ANY ON SITE WASTE WATER TREATMENT SYSTEM COMPONENTS.
15. SEPTIC TANK & PUMP SUPPLIER IS VALLEY PRECAST, INC., 28105 COUNTY ROAD, BUENA VISTA, CO 81211 PHONE # (719) 395-6764, OR GRAND JUNCTION PIPE # SUPPLY.
16. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL BURIED PIPING IS PROPERLY FROST PROTECTED. MINIMUM COVER FOR UNINSULATED GRAVITY PIPE IS 4 FT. MINIMUM COVER FOR ALL UNINSULATED PRESSURE PIPE IS 7 FT.

BY	DATE	REVISIONS

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SCJALLIANCE.COM

SHEET TITLE: ON-SITE WASTEWATER TREATMENT SYSTEM

PROJECT NAME: GUIGLEY RESIDENCE
222 ARMSTRONG STREET,PITKIN
GUNNISON COUNTY,COLORADO

SEAL:

DESIGNER: MWM
DRAWN BY: MWM
APPROVED BY: MM
DATE: JUNE 09, 2023
JOB NO.: 23-000357
DRAWING NO.: S1.1