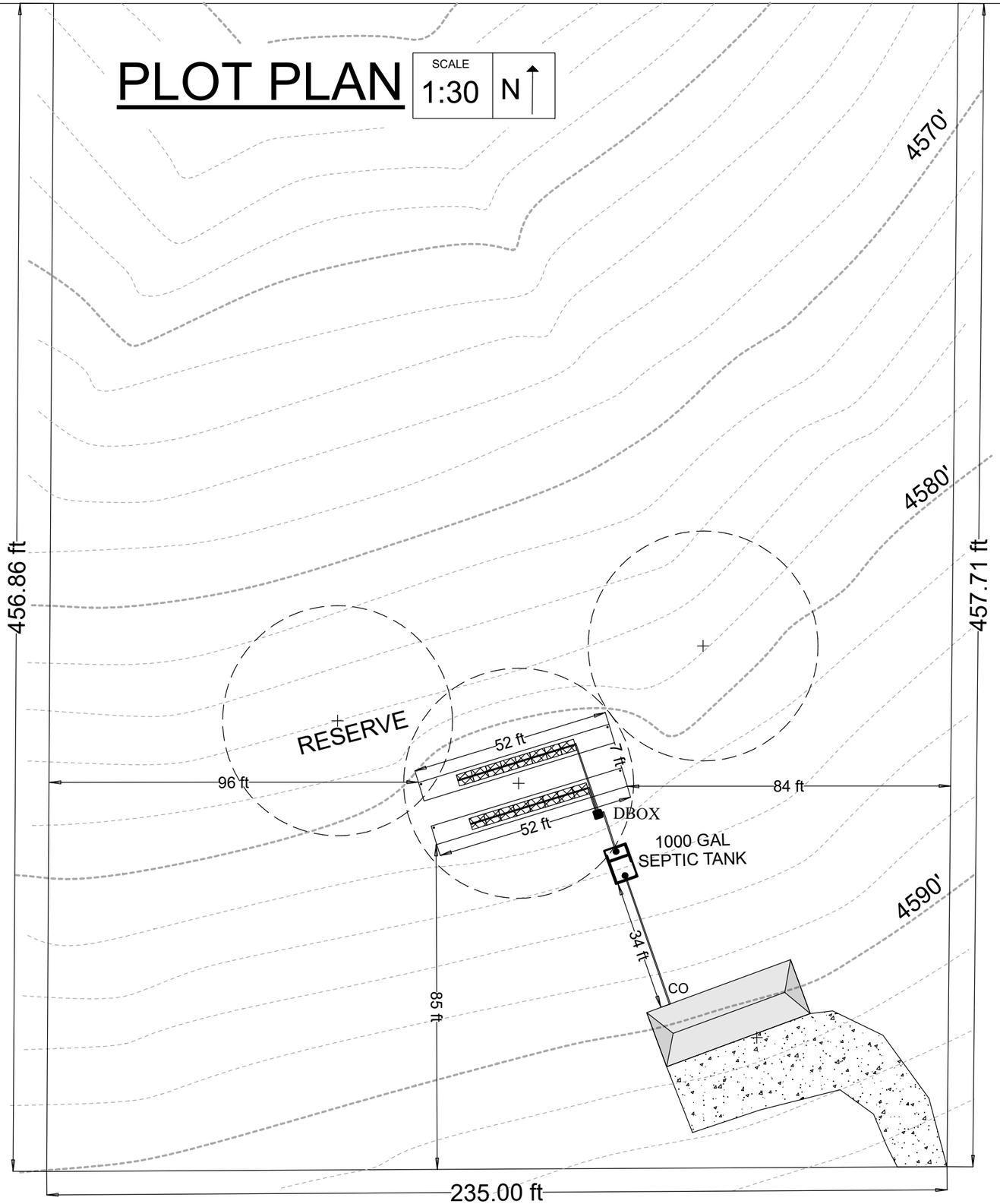
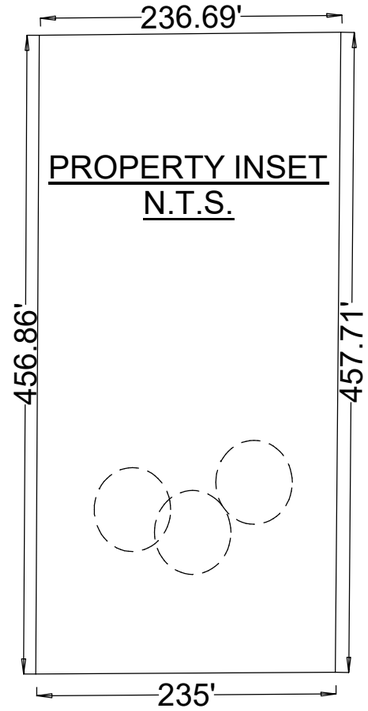
PLOT PLAN

SCALE 1:30 N





Call at least two full working days before you begin excavation.
8-1-1 ARIZONA 811 ArizonaBlueStake,Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)

SETBACK TABLE

SETBACK FEATURE	SETBACK DISTANCE
FOUNDATION OR FOOTER	10 FT
PROPERTY LINE (UNDEVELOPED)	50 FT
PROPERTY LINE (DEVELOPED OR TO BE SERVICED BY A WATER UTILITY)	
WELL	100 FT
PERENIAL OR INTERMITTENT STREAM	100 FT
WASH DRANING GREATER THAN 20 ACRES	50 FT
WATER MAIN OR BRANCH	10 FT
DOMESTIC SERVICE WATER LINE	5 FT
DOWNSLOPES	
TREATMENT WORKS	10 FT
CONVENTIONAL DISPOSAL	
(FROM BOTTOM OF DISPOSAL HORIZONTALLY TO CLOSEST POINT OF DAYLIGHTING)	
NO LIMITING SSLC	20 FT
SSLC EXISTS	50 FT
DRIVEWAY	5 FT
EASEMENT	5 FT
SWIMMING POOL	5 FT

WASTEWATER SYSTEM DESIGN
FOR
PECK RESIDENCE

306-40-104Z

CHINO VALLEY
YAVAPAI COUNTY AZ
34 50 8.2N 112 28 24.5W

PROJECT DESRCIPTION

Eljen, Engineered pad system
E309-450 GPD
For a 2 Bedroom
16 Fixture Unit Residence
System comprised of
16 Eljen B-43 Pads
2-52' Trenchs with
8 Pads Each
1000 Gallon Septic Tank

prescott environmental

DRAWN BY: TJB

DRAWING DATE: 7/20/23

REVISION DATE(S):

PAGE #: 1 OF 3

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Terry Barton RS/REHS

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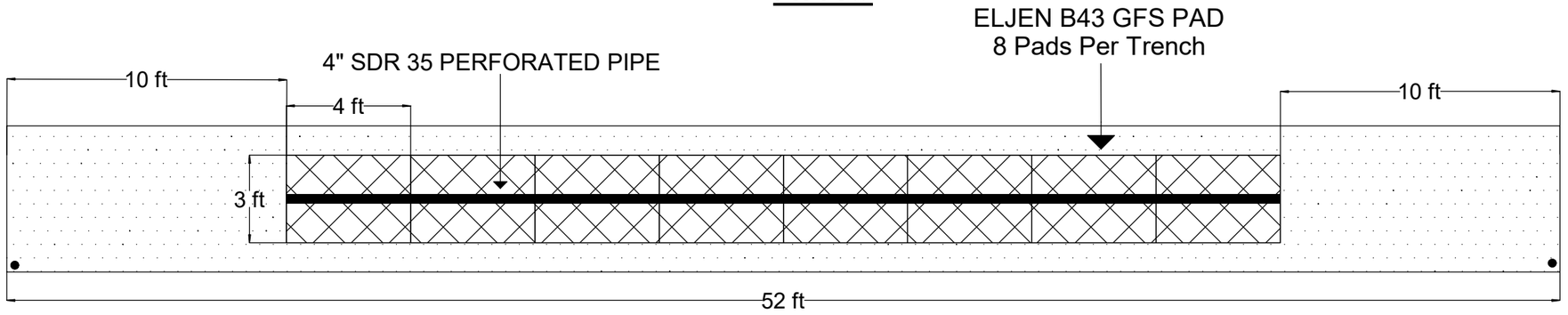
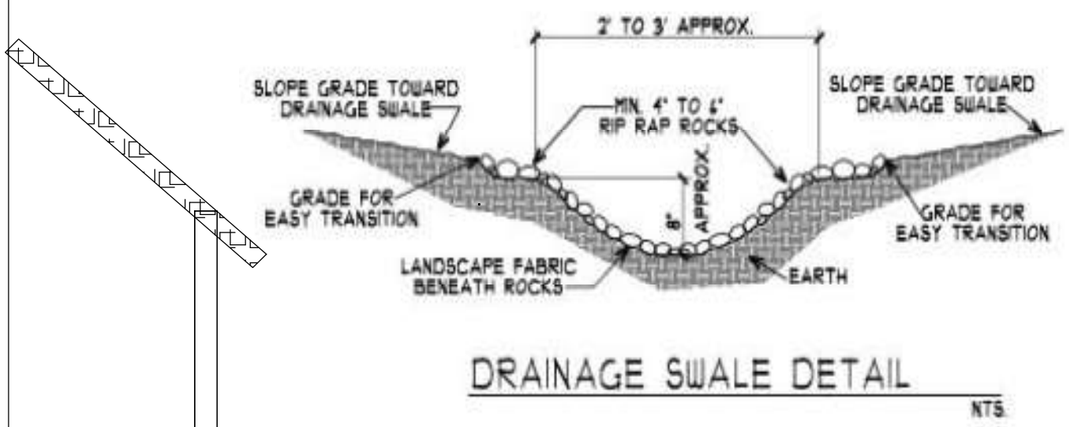
(928)-848-2639

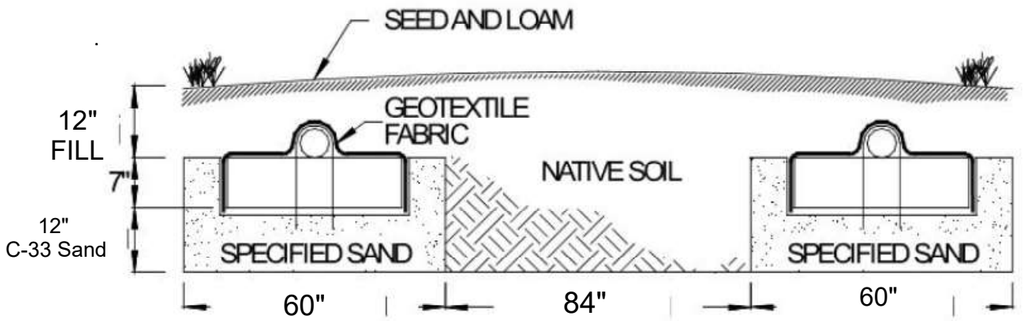
State of Arizona
Terry J. Barton
#1302
Registered Sanitarian

Trech View
N.T.S

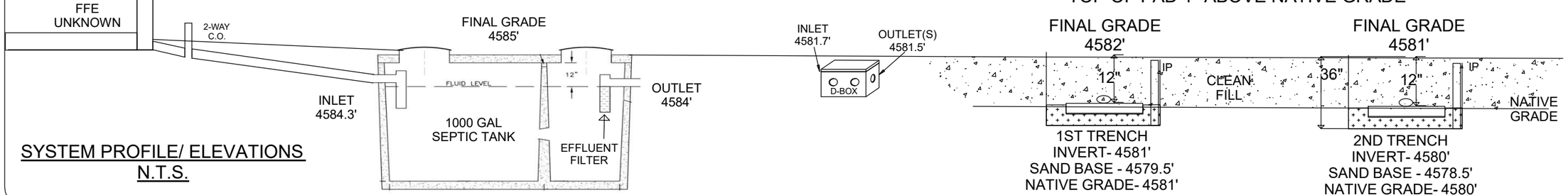




System Cross Section
N.T.S



SAND BASE 18" BELOW NATIVE GRADE
TOP OF PAD 1" ABOVE NATIVE GRADE



SYSTEM PROFILE/ ELEVATIONS
N.T.S.

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SITE NOTES

1. THERE IS NOT PUBLIC SEWER WITHIN 200' OF THE PROPERTY.
2. THE PUBLIC WATER LINE IS GREATER THEN 10' FROM THE SYSTEM.
3. THERE ARE NO WELLS 100' WITHIN THE SYSTEM VICINITY.
4. THERE ARE NO ACTIVE STREAMS OR FLOODPLAINS WITHIN 200' OF THE SYSTEM VICINITY.
5. ROOFTOP AND OVERLAND SURFACE RUNOFF SHALL BE DIVERTED AWAY FROM THE WASTE WATER SYSTEM.
6. ALL WORK SHALL BE COMPLECTED ACCORDING TO THE ACTIVE UPC, ADEQ AND LOCAL COUNTY STANDARDS AND SPECIFICATIONS.
7. ALL PIPES SHALL BE SDR-35 STRENGTH OR GREATER UNLESS OTHER IS SPECIFIED.
8. MAINTAIN ALL SETBACKS OUTLINED IN THE 'SETBACK TABLE'.
9. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT 'BLUESTAKE' TWO DAYS PRIOR TO START OF WORK TO LOCATE ALL UNDERGROUND UTILITIES.
10. THE WASTEWATER SYSTEM MAY NOT BE DRIVEN OVER.

ELJEN INSTALLATION NOTES

Prepare the site. Do not install a system on saturated ground or wet soils that are smeared during excavation. Keep machinery off infiltrative areas.
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.
Excavate the trench; prepare the receiving layer to maximize the interface between the native soil and specified sand.
Minimize walking in the trench prior to placement of the specified sand to avoid soil compaction.
Place specified sand in a 6” lift and stabilize by foot, a hand held tamping tool or a portable vibrating compactor. The minimum stabilized height below the GSF module must be level at 12”.
Place GSF modules with PAINTED STRIPE FACING UP, end to end on top of the specified sand along their 4-foot length.
A standard 4-inch perforated pipe, SDR 35 or equivalent, is centered along the modules 4-foot length. Orifices are set at the 4 & 8 o’clock position.
All 4-inch pipes are secured with manufacturers supplied wire clamps, one per module.
Each pressure lateral will have a drain hole at the 6 o’clock position
Cover fabric substitution is not allowed. The installer should lay the Eljen provided geotextile cover fabric lengthwise down the trench, 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:
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.
Place shovelfuls of Specified Sand directly over the pipe area allowing the cover fabric to form a mostly vertical orientation along the sides of the pipe. Repeat this step moving down the pipe.
Place the sand extensions along both sides of the modules edge. A minimum of 12 inches of Specified Sand is placed at the beginning and end of each trench.
Complete backfill with a minimum of 12 inches of clean porous fill measured from the top of the module. Backfill exceeding 18 inches requires venting at the far end of the trench. Use well graded native soil fill that is clean, porous and devoid of large rocks. Do not use wheeled equipment over the system. A light track machine may be used with caution, avoiding crushing or shifting of pipe assembly.
Divert surface runoff from the system. Finish grade to prevent surface ponding. Topsoil and seed system area to protect from erosion.

INSPECTION MILESTONES

1. SYSTEM LAYOUT
2. SYSTEM INSTALLED AND TANKS LEAK TESTED
3. FINAL GRADING

-THE INSTALLER IS RESPONSIBLE TO PROVIDE THE DESIGNER WITH 'REDLINE' CONSTRUCTION PLANS INCLUDING SYSTEM ELEVATIONS PRIOR TO FINAL INSPECTION.
- FAILURE TO FOLLOW THE INSPECTION MILESTONES MAY REQUIRE THE SYSTEM TO BE RELOCATED, UNCOVERED, AND/OR REDESIGNED INCLUDING EXTRA COSTS AND INSPECTION FEES.
- ANY CHANGES MUST BE PREAPPROVED BY THE DESIGNER.
- THE SYSTEM INSTALLER IS REPONSIBLE TO ENSURE All SETBACKS ARE MET

DIVERSION BERM/SWALE NOTES

- STORM WATER RUNOFF DIVERSION IS NECESSARY TO AVOID EROSION AND SATURATION IN THE DISPOSAL AREA.
-A DIVERSION BERM/SWALE IS RECOMMENDED IF OTHER LANDSCAPING THAT DIVERTS STORM WATER IS NOT CONSTRUCTED.

Tank Notes

-THE TANK SHALL BE INSTALLED ACCORDING TO MANUFACTURER SPECIFICATIONS.
-THE TANK SHALL BE LEAK TESTED ACCORDING TO AAC-R18-9-A313

ESTIMATED MATERIALS LIST

1 - 1000 GALLON SEPTIC TANK
(WITH EFFLUENT FILTER)(COMMERCIAL GRADE RECOMMENDED)
1 - DBOX
16 - ELJEN B43 PADS
68' - ELJEN GEOTEXTILE FABRIC
64' - 4" SDR35 PERFORATED PIPE
27 - CUBIC YARDS OF C-33 CONCRETE WASHED SAND
60' - SOLID DISTRIBUTION PIPE
4 - INSPECTION PIPES
AS-NEEDED - TANK RISERS
AS-NEEDED- VARIOUS PIPE FITTINGS

*ESTIMATED MATERIALS.
THE INSTALLER IS RESPONSIBLE FOR DETERMINING ALL MATERIALS REQUIRED.

* THE ELJEN OPERATION AND MAINTAINENCE MANUAL HAS BEEN PROVIDED TO THE HOMEOWNERS

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