

B-Side Farm O Pioner Bale of Fun Farm O Bale of Fun Farm O		Exp.12-31-23	E a nguyen 5 40. 7171 412 Or CALIFORNIE
VICINITY MAP NEIGHBOR PARCEL APN: 024-040-040		APEX SEPTIC DESIGN P.O. BOX 11247 SANTA ROSA. CA 95406	322-5827 epticdesign@o
Keep structures, such as the existing flower bed at least 8' from leachline. Shallow rooted plants and grasses are ok over the leachfield, however the area should not be overwatered. RERNIT SONOMA WELL AND SEPTIC SECTION APPROVED BY Maria Carranza DATE August 5, 2022 PERMIT # SEP22-0318	NEIGHBOR PARCEL APN: 024-040-037	3640 ROBLAR ROAD PETALUMA, CA 94952 APN: 024-040-036	REPAIR SEPTIC PLAN
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() INSTALL NEW 4" ABS SCH 40 GRAVITY SEWER LINE AND DISTRIBUTION BOXES.

REPAIR THREE 80-FOOT EXISTING LEACH LINES WHILE KEEPING THE SAME LEACH TRENCH'S DIMENSIONS. REMOVE EXISTING TOP SOIL, FILTER FABRIC, LEACH LINE AND GRAVEL. SCARIFY SIDEWALLS TO REMOVE USED SOIL. DISPOSE ALL WASTE MATERIALS SUCH AS USED FILTER FABRIC, LEACH PIPE AND GRAVEL FROM THE LEACH TRENCH TO THE APPROVED LAND FILL. INSTALL NEW CLEAN GRAVEL, LEACH LINE, FILTER FABRIC AND TOPSOIL IN EXISTING LEACH TRENCH. LEACH TRENCH IS 36 INCHES DEEP, 24 INCHES WIDE AND HAS 12 INCHES OF ROCKS BELOW THE LEACH PIPE.

IF SEWAGE SURFACING OR SPILL ONTO THE GROUND, FOLLOW THESE STEPS TO CLEAN: 1) WEAR PROTECTIVE CLOTHING SUCH AS RUBBER GLOVES, RUBBER BOOTS, A WATERPROOF BODYSUIT, GOGGLES AND A MASK. IF YOU DON'T HAVE THESE ITEMS, DO YOU BEST TO COVER YOURSELF. THINGS LIKE SUNGLASSES, JEANS, A LONG SLEEVED JACKET OR A RAIN JACKET, GARDENING GLOVES AND WATERPROOF HIKING BOOTS OFFER SOME PROTECTION. CUT HEAD AND ARMHOLES IN A LARGE PLASTIC TRASH BAG AND WEAR THE BAG OVER YOU CLOTHING FOR A LITTLE EXTRA PROTECTION.

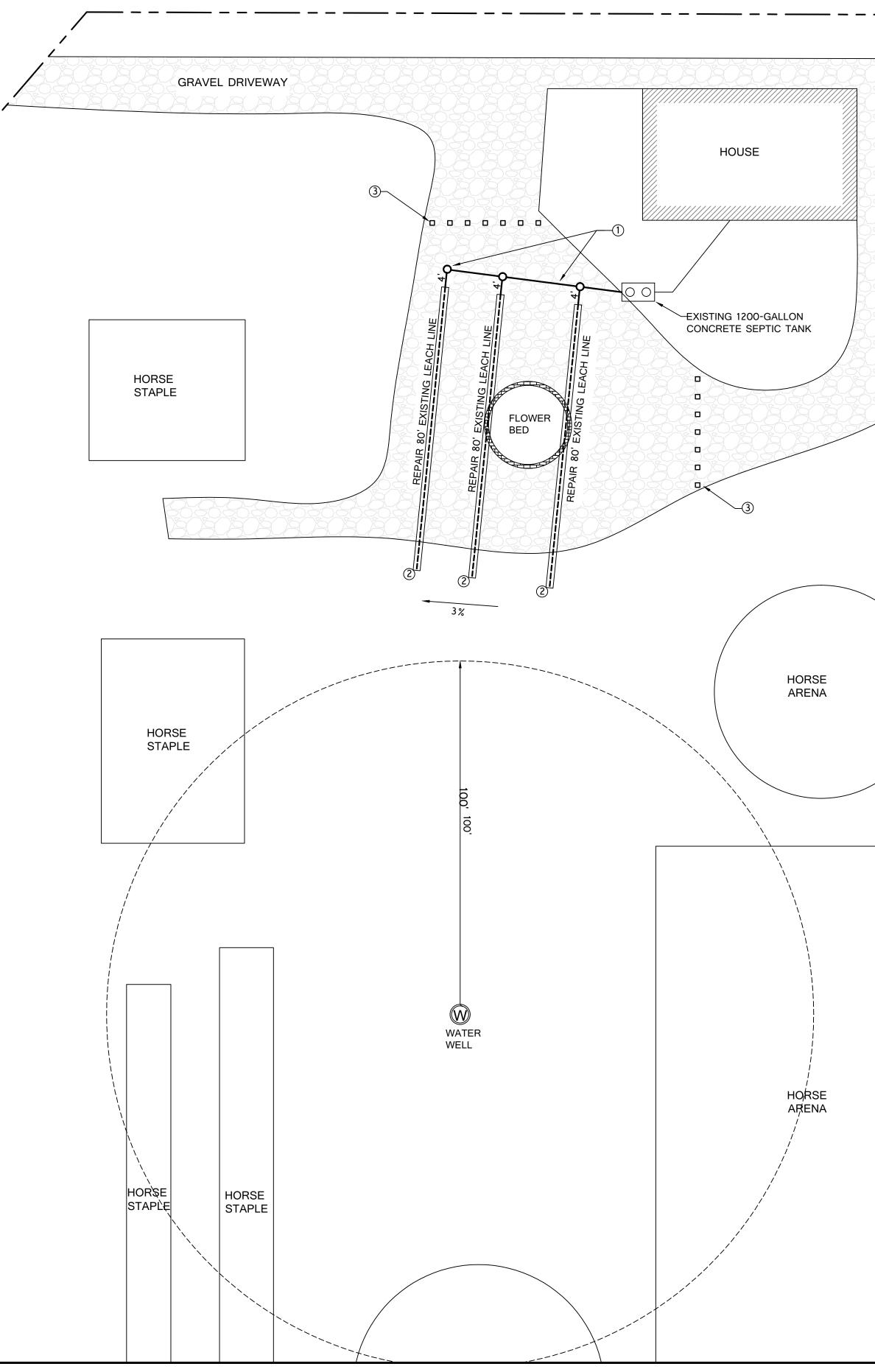
2) USE GARDEN LIME ON THE SEWAGE SPILL AND SCOOP, WITH A SHOVEL, THE SEWAGE INTO A PLASTIC TRASH BAG. DISCARD IT TO AN APPROVED LAND FILL.

3) USE CLOROX BLEACH TO DISINFECT AND CLEAN THE SPILL AREA. THE CLOROX BLEACH SHOULD BE MIXED 3/4 CUP CLOROX BLEACH TO ONE GALLON OF WATER.

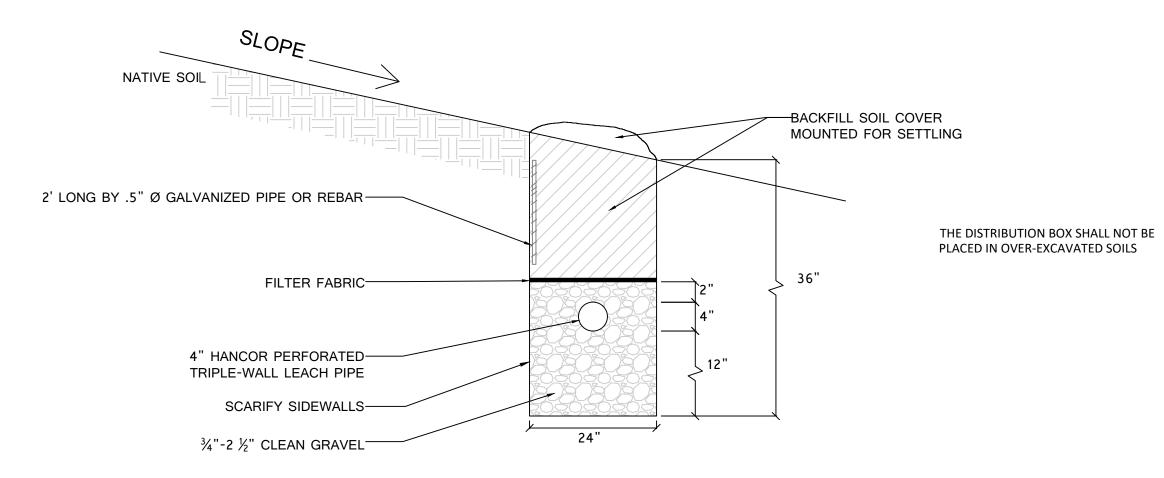
3 BUILD A VEHICLE BARRIER SUCH AS STALLING WOODEN POSTS OR PLACING LARGE ROCKS OR BOULDERS.

GRAPHIC SCALE

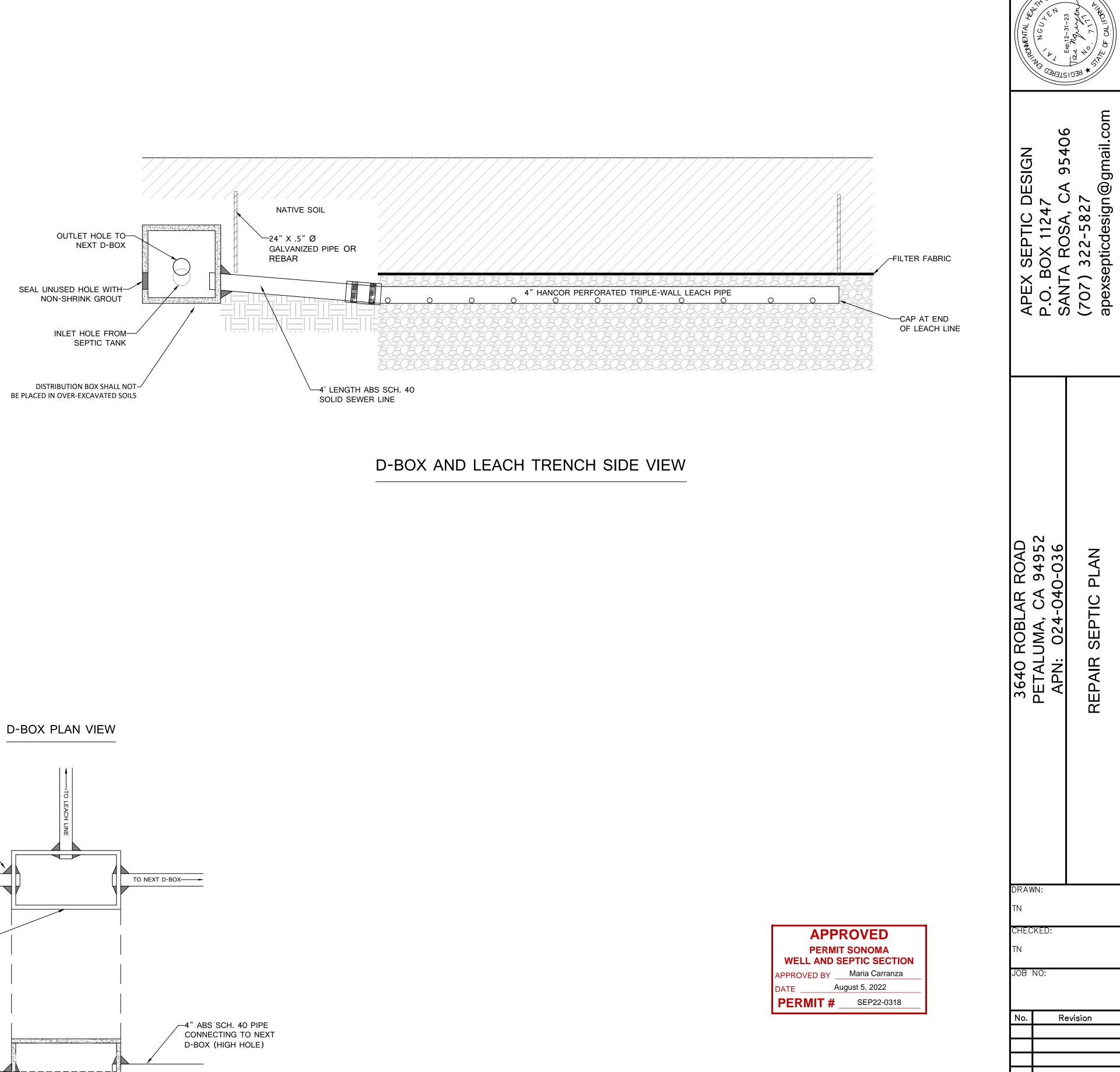
(IN FEET) 1 inch = 20 ft.

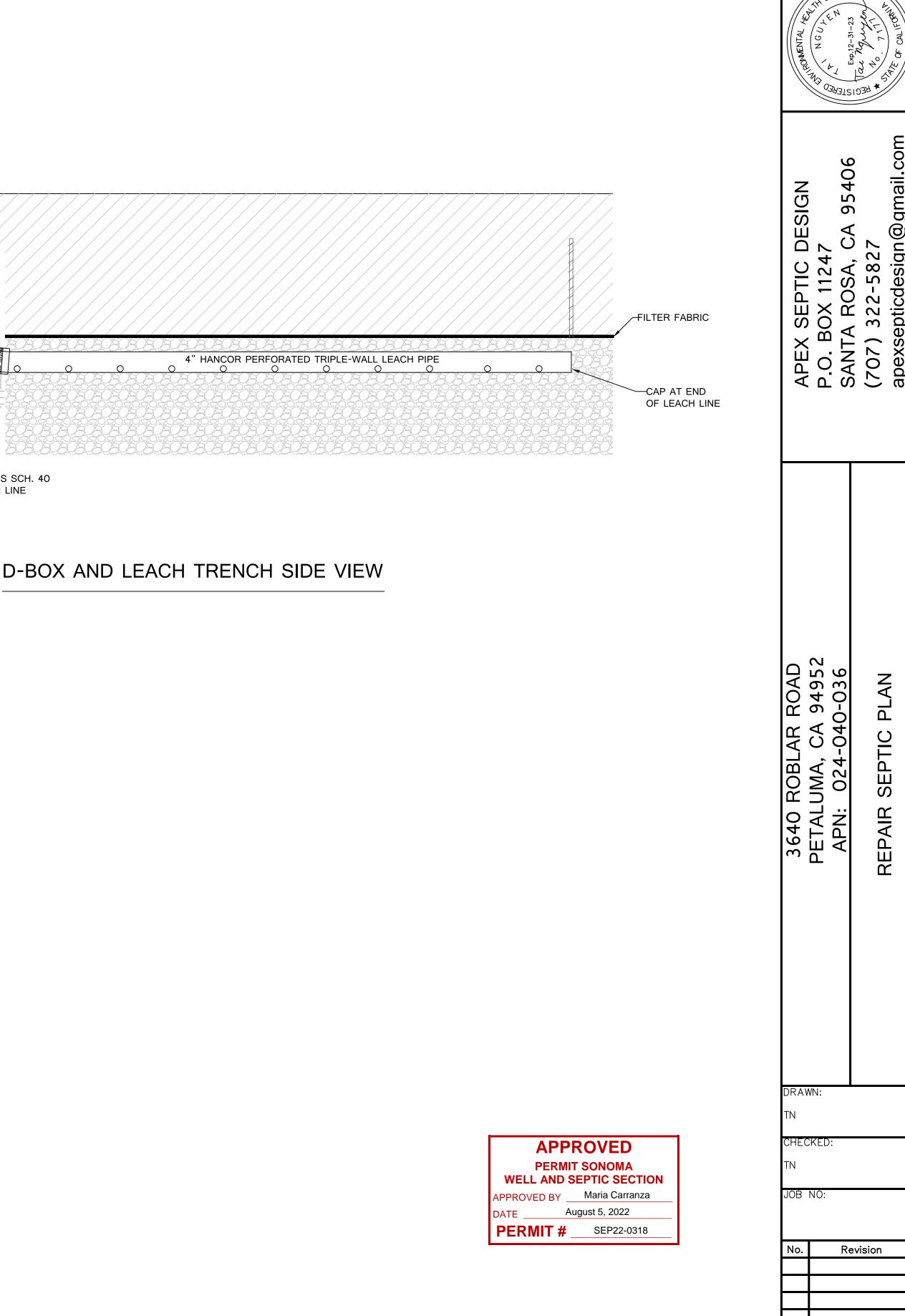


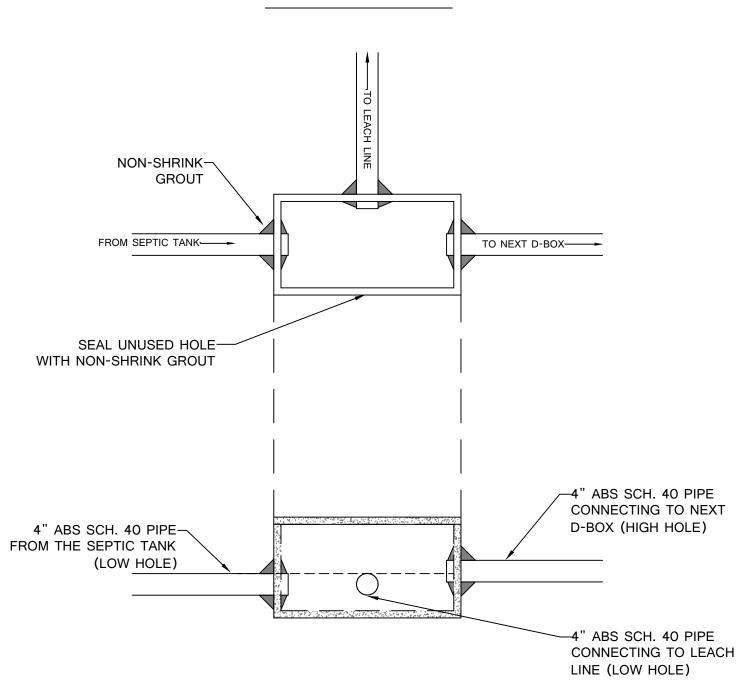
GARAGE		APEX SEPTIC DESIGN P.O. BOX 11247 SANTA ROSA. CA 95406	7 ₩ M@gmail.com
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LEACH TRENCH CROSS-SECTION







D-BOX SIDEVIEW

GENERAL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UNDERGROUND UTILITIES. UNDERGROUND SERVICE ALERT (U.S.A.) SHALL BE CALLED AT (800) 227-2600 AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION.

2. ALL OF THE LOCATIONS OF THE EXISTING UTILITIES SHOWN IN THE PLANS HAVE BEEN ESTABLISHED BY SITE VISIT. FILED SURVEY. OR OBTAINED FROM AVAILABLE RECORDS AND SHALL THEREFORE BE CONSIDERED APPROXIMATE AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS.

3. LEACH LINES CAN BE CONSTRUCTED IF THE SOIL MOISTURE AT THE APPROPRIATE DEPTHS IS NOT SO HIGH AS TO HAVE THE SOIL SMEAR OR COMPACT DUE TO CONSTRUCTION ACTIVITIES. THE FOLLOWING IS PROCEDURE TO DETERMINE IF CONSTRUCTION CAN BEGIN:

- A. SELECT A HANDFUL OF SOIL FOR TESTING (ANY NON-SOIL MATERIAL, ROCKS, ROOTS, ETC. SHOULD BE REMOVED). DO NOT ADD MOISTURE OR LET DRY-OUT. SAMPLE SHOULD BE TAKEN AT THE DEPTH OF EXCAVATION (ABSORPTION AREA).
- B. ROLL THE SAMPLE BETWEEN THE PALMS (IN THE SHAPE OF A PENCIL/WORM SHAPE).
- C. CONTINUE ROLLING THE THREAD UNTIL IT REACHES AN
- UNIFORM DIAMETER OF 1/8 INCH IF POSSIBLE. D. IF THE SAMPLE DOES NOT REACH A DIAMETER OF 1/8 INCH, THE SOIL IS ABOVE THE PLASTIC LIMIT AND
- CONSTRUCTION CAN PROCEED. E. IF THE SAMPLE IS ROLLED INTO A DIAMETER EQUAL TO 1/8 INCH BEFORE BREAKING, THE SOIL IS TOO WET AND CONSTRUCTION SHOULD NOT OCCUR.

4. SEPTIC SYSTEM CANNOT BE CONSTRUCTED DURING OR AFTER A HEAVY RAIN.

5. THE CONTRACTOR SHALL CALL AT LEAST 48 HOURS IN ADVANCE TO SCHEDULE AN INSPECTION FROM THE COUNTY DISTRICT SEPTIC INSPECTOR AND SEPTIC CONSULTANT. THE INSPECTION REQUEST IS TO BE CALLED IN THROUGH SELECTRON AT 565-3551. PLEASE NOTE THIS IS ONLY A REQUEST FOR AN INSPECTION, NOT A GUARANTEE. THE SEPTIC TANK, SEWER LINE, D-BOXES, LEACH LINES, AND ANY OTHER WORKS SHALL BE LEFT OPEN (NO SOIL COVER) FOR THE INSPECTION. A TRANSIT SHOULD BE AT THE SITE TO CHECK THE LEVEL OF THE LEACH LINES.

6. THE DESIGNER SHALL BE NOTIFIED IMMEDIATELY OF ANY ADVERSE CONDITIONS DISCOVERED DURING CONSTRUCTION.

7. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING THE SAFETY OF PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL HOLD HARMLESS, INDEMNIFY, AND DEFEND THE COUNTY OF SONOMA AND THE DESIGNER WITH HER ASSISTANT OF ALL LIABILITY CLAIMS, LOSSES, OR DAMAGE ARISING OR ALLEGED TO ARISE FROM THE PERFORMANCE OF THE WORK DESCRIBED HEREIN, BUT NOT INCLUDING THE SOLE NEGLIGENCE OF THE SONOMA COUNTY STAFF, AND THE DESIGNER.

8. THE CONTRACTOR IS RESPONSIBLE FOR INSURING ALL CONSTRUCTION MEETS CODES.

9. THE CONTRACTOR SHALL FURNISH ALL NECESSARY LABOR. MATERIALS, SUPPLIES, AND EQUIPMENTS FOR THE CONSTRUCTION ON THIS PLAN.

10. THE BOUNDARY LINES ON THIS PARCEL ARE APPROXIMATE AND FOR INFORMATIONAL PURPOSES ONLY. THIS DRAWING DOES NOT REPRESENT A BOUNDARY SURVEY.

11. IT IS THE SOLE RESPONSIBILITY OF THE DEVELOPER OR CONTRACTOR OR OWNER TO OBTAIN ANY NECESSARY PERMIT TO START THE CONSTRUCTION.

12. ALL SITE WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS, STAMPED BY THE COUNTY. ANY DEVIATION FROM THE APPROVED PLANS WILL REQUIRE WRITTEN OR VERBAL APPROVAL FROM THE DESIGNER.

13. THE DRAWING WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR WILL REVIEW THE DRAWING AND BRING ANY DISCREPANCIES TO THE DESIGNER PRIOR TO COMMENCING CONSTRUCTION WORK.

14. THE HOUSE AND ANY BUILDING WITH BATHROOM SHALL HAVE AN 1.6 GALLONS LOW FLUSH TOILET IN ALL BATHROOMS. WE RECOMMEND LOW FLOW FIXTURES IN THE HOUSE TO REDUCE SEWAGE WASTE FLOW.

15. HOMEOWNERS AND CONTRACTORS ARE PROHIBITED FROM PLACING UNACCEPTABLE PLANTS, SHRUBS TREES, ORNAMENTS, VEGETATIVE COVER, AND IRRIGATION SYSTEMS OVER THE SYSTEM.

16. DOWNSPOUT OF THE HOUSE'S ROOF DRAINAGE SHALL BE DIRECTED AWAY FROM THE SEPTIC TANK AND LEACH FIELD.

17. NO FOUNDATION, GRADE CUT OR FILL SHALL BE LOCATED WITHIN 50 FEET DOWNSLOPE OR LATERALLY TO THE LEACH FIELD AND RESERVE AREA AND 25 FEET TO THE SEPTIC TANK.

18. PROPOSED SEPTIC TANK, LEACH FIELD, AND RESERVE AREAS SHALL BE LEFT UNDISTURBED BEFORE AND AFTER THE SEPTIC SYSTEM INSTALLATION.

DISTRIBUTION-BOXES (D-BOXES) AND LEACH LINES INSTALLATION

1. THE SEWER LINE BETWEEN THE HOUSE TO THE SEPTIC TANK AND SEPTIC TANK TO DISTRIBUTION BOX SHALL BE 4 INCHES DIAMETER ABS SCHEDULE 40 PIPE WITH A MINIMUM FALL OF 1/8" PER FOOT (1% SLOPE).

6. THE TRENCH BOTTOM AND TOTAL LENGTH OF LEACH LINE SHALL BE LEVEL AND INSTALLED WITH THE AID OF A TRANSIT. LEACH LINES MUST FOLLOW THE SURFACE CONTOURS WITH MINOR VARIATION IN TRENCH DEPTH OF 3 INCHES PER 100 LINEAL FEET.

7. COMPACTED TRENCH SIDES ARE TO BE SCARIFIED TO A DEPTH OF 1 INCH AND THE LOOSE MATERIAL REMOVED BEFORE PLACING THE DRAIN ROCK IN THE TRENCH. SYSTEM INSTALLATION SHALL NOT BE ATTEMPTED DURING WINTER MONTHS WHEN THE POTENTIAL FOR SIDEWALL COMPACTION AND SMEARING CAN OCCUR.

APPROVAL SOURCE. 9. THE PERFORATED PIPE (LEACH LINE) IS TO BE 4 INCHES (INSIDE DIAMETER) APPROVED PLASTIC OR OTHER APPROVED MATERIAL. PERFORATIONS SHALL BE 5/8" < IN SIZE AND THE PIPE PLACED PERFORATIONS DOWN IN THE TRENCH WITH THE PIPE LAID LEVEL WITH THE AID OF A TRANSIT.

10. 2 INCHES OF LEVELED DRAIN ROCK SHALL BE PLACED OVER THE TOP OF THE PERFORATED PIPE.

11. METAL DETECTION MARKINGS, A 2 FOOT X 1/2 INCH GALVANIZED PIPE OR REBAR, SHALL BE INSTALLED FLUSH AND VERTICAL AT EACH DISTRIBUTION BOX AND IN A VERTICAL POSITION AGAINST THE TRENCH WALL AT THE END OF THE LEACH LINE, AND ALSO IN THE MIDDLE OF LEACH LINE THAT IS LONGER THAN 50 FEET. THE PIPE OR REBAR SHALL NOT BE PLACED AT A DEPTH GREATER THAN 24 INCHES.

12. THE DISTRIBUTION BOX SHALL BE PLACED IN NATIVE SOILS AT THE APPROPRIATE DEPTH. A MINIMUM OF TWELVE (12) INCHES OF BACKFILL SHALL BE PLACED ABOVE THE DISTRIBUTION BOX OR EXTENDED TO GRADE WITH A RISER. THE DISTRIBUTION BOX SHALL NOT BE PLACED IN OVER-EXCAVATED SOILS.

13. CONSTRUCTION AND PAVING OVER LEACHING SYSTEM AND REPLACEMENT AREA IS PROHIBITED.

14. FILTER FABRIC (MIRAFI 140N), OR OTHER APPROVED MATERIAL MUST BE PLACED OVER THE DRAIN ROCK PRIOR TO BACKFILL TO PREVENT INFILTRATION OF SOIL.

16. THE LEACH FIELD SHALL BE SEEDED AND STRAWED FOR EROSION CONTROL.

2. THERE SHALL BE ONE CONCRETE OR PLASTIC DISTRIBUTION BOX PER EACH LEACH LINE. THE DISTRIBUTION BOX SHALL NOT BE PLACED IN OVER-EXCAVATED SOILS.

3. DISTRIBUTION BOXES SHALL BE PLACED FOR SERIAL DISTRIBUTION OF WASTEWATER ON SLOPING GROUND.

4. DISTRIBUTION BOXES SHALL BE PLACED FOR EQUAL DISTRIBUTION OF WASTEWATER ON FLAT TERRAIN.

5. THE SEWER LINE BETWEEN THE D-BOX AND LEACH LINE IS A 4 LINEAL FEET, 4 INCHES DIAMETER ABS SCHEDULE 40 PIPE.

8. THE DRAIN ROCK USED IN THE LEACH LINES SHALL BE CLEAN, DOUBLE WASHED, 3/4" TO 2 1/2" IN SIZE, AND EITHER COARSE AGGREGATE, CRUSHED ROCK, OR WASHED RIVER GRAVEL FROM AN

15. LEACH LINES AND GRAVEL SHALL BE COVERED WITH SOIL AND MOUNTED FOR SETTLING.

17. CONSTRUCTION AND PAVING OVER LEACH FIELDS AND REPLACEMENT AREAS IS PROHIBITED.

18. HOMEOWNERS AND CONTRACTORS ARE PROHIBITED FROM PLACING UNACCEPTABLE PLANTS, SHRUBS TREES, ORNAMENTS, VEGETATIVE COVER, AND IRRIGATION SYSTEMS OVER THE SEPTIC SYSTEM.

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13. LARGE TREES

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16. PRESSURE PUBLIC

17. DISTRIBUTION BOX 18. FILL AREAS

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21. SWIMMING POOLS

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