

PROPERTY OWNER CONTACT INFO:
TERRI SHAVER
(415) 706-8783
TJSHAVER22@GMAIL.COM

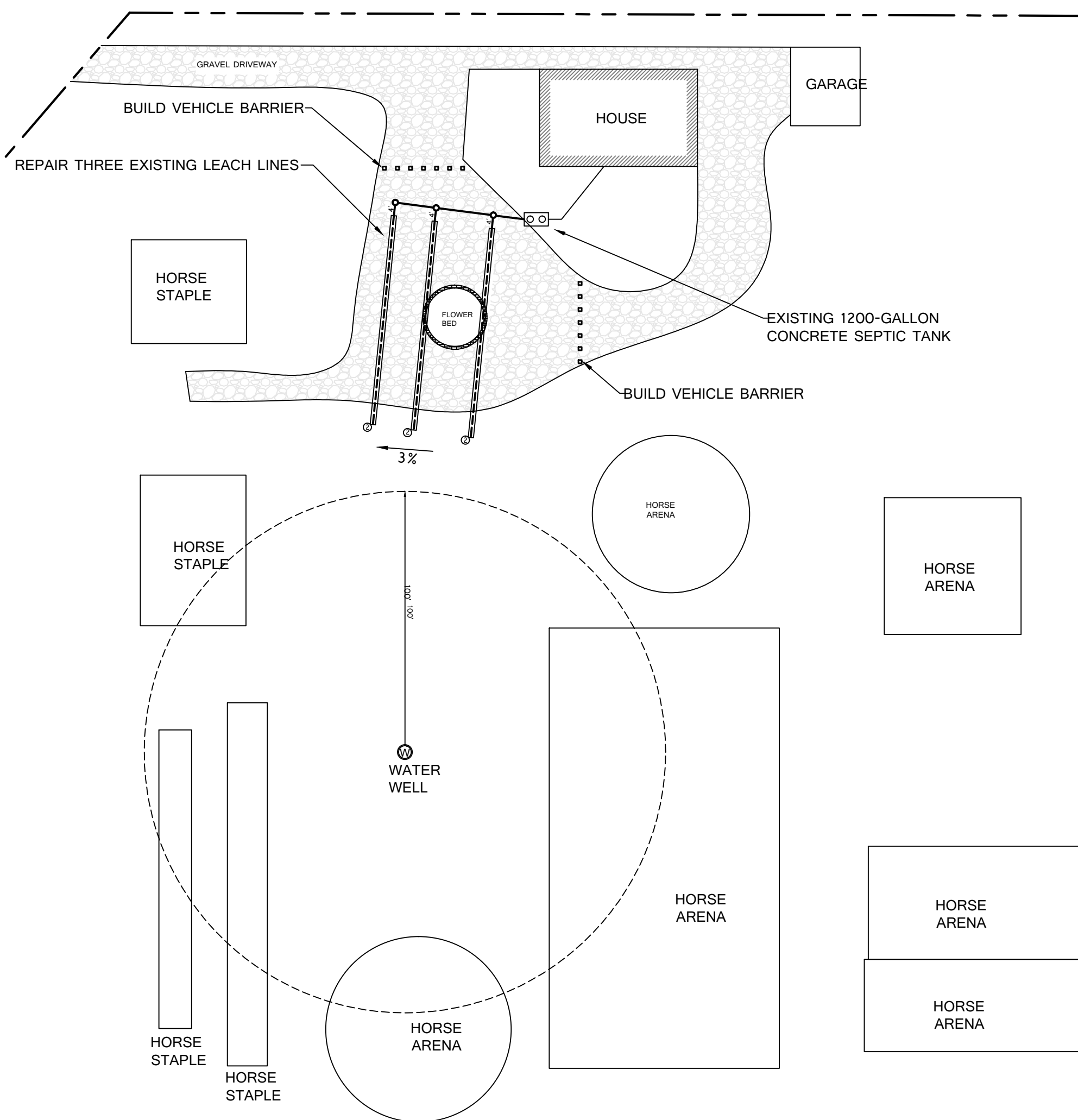


SCALE 1" = 40 feet

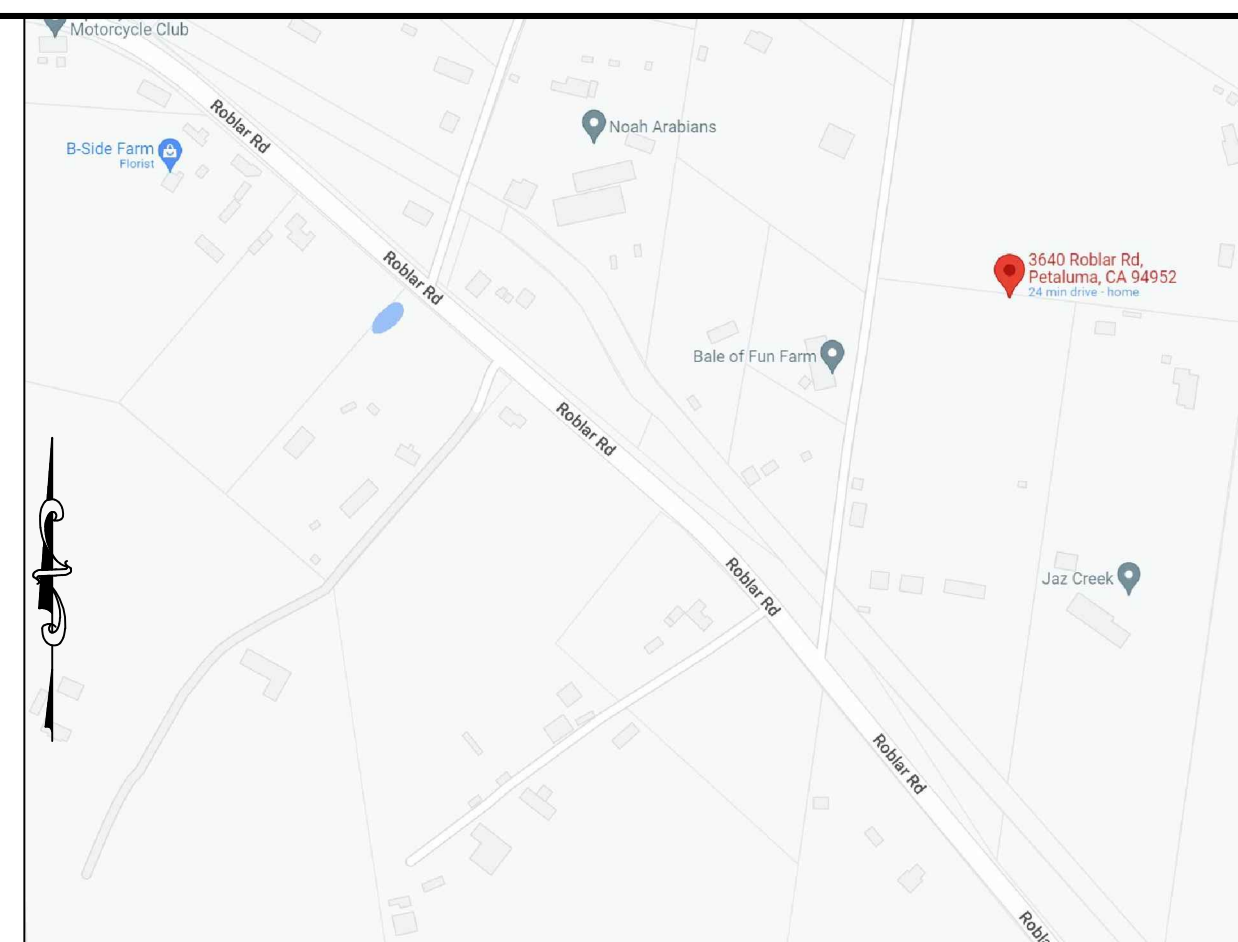
NEIGHBOR PARCEL
APN: 024-040-020

ROBLAR RD

NEIGHBOR PARCEL
APN: 024-040-039



NEIGHBOR PARCEL
APN: 024-040-034



NEIGHBOR PARCEL
APN: 024-040-040

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.

APPROVED
PERMIT 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
ETALUMA, CA 94952
APN: 024-040-036

REPAIR SEPTIC PLAN

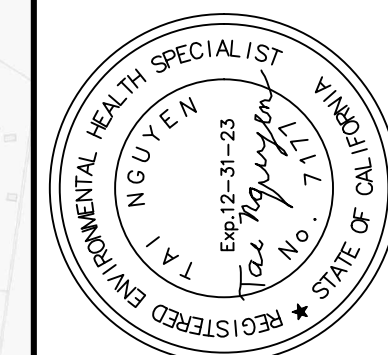
DRAWN:
TN

CHECKED:
TN

JOB NO:

[illegible]

SHEET 1
of 4



APEX SEPTIC DESIGN
P.O. BOX 11247
SANTA ROSA, CA 95406
(707) 322-5827
apexsepticdesign@gmail.com

KEY NOTES:

- ① 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 YOUR 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.

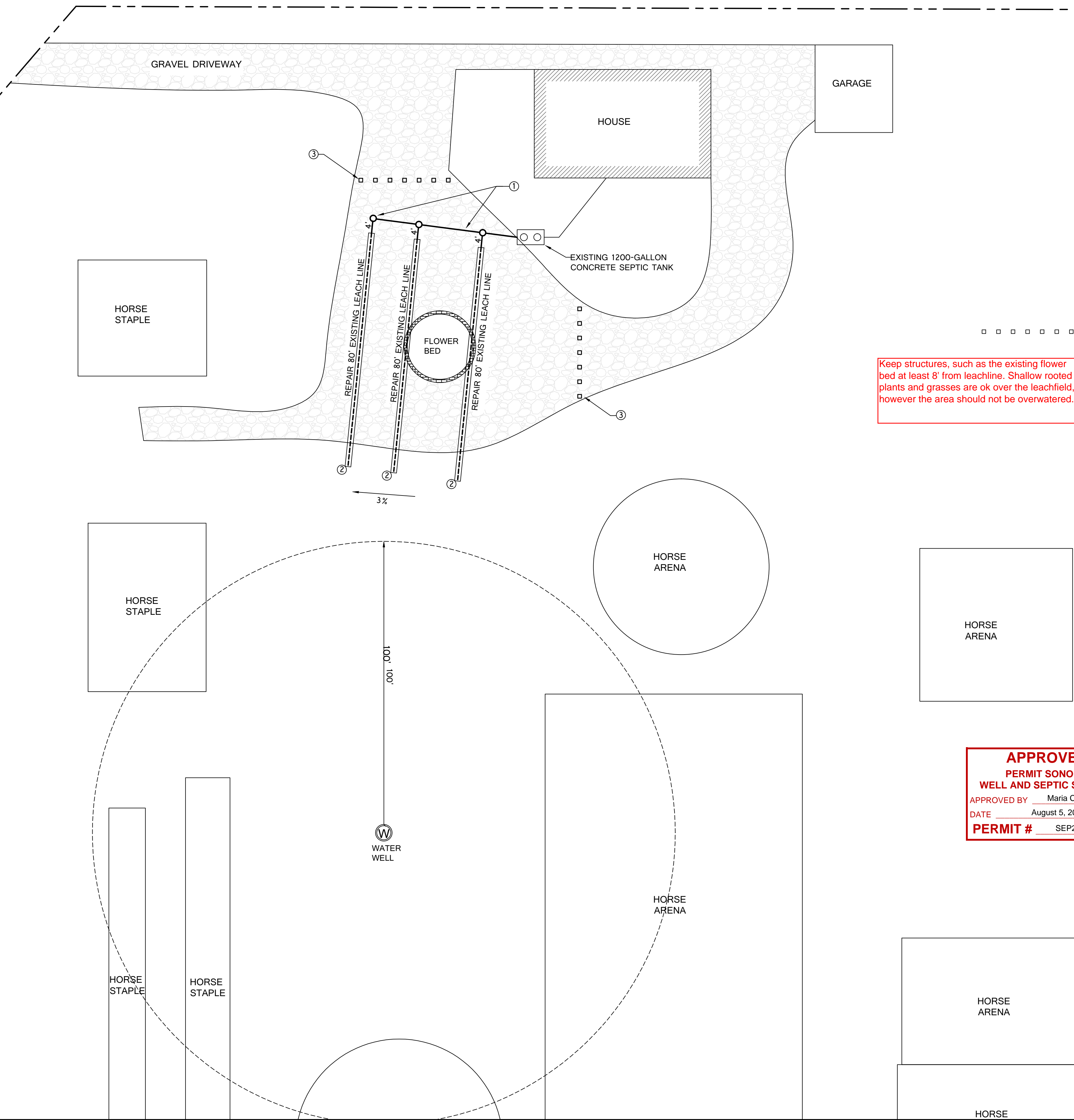
- ③ BUILD A VEHICLE BARRIER SUCH AS STALLING WOODEN POSTS OR PLACING LARGE ROCKS OR BOULDERS



GRAPHIC SCALE

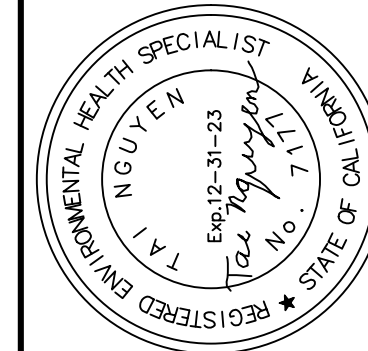


(IN FEET)
1 inch = 20 ft



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.

APPROVED
PERMIT SONOMA
WELL AND SEPTIC SECTION
APPROVED BY Maria Carranza
DATE August 5, 2022
PERMIT # SEP22-0318



APEX SEPTIC DESIGN
P.O. BOX 11247
SANTA ROSA, CA 95406
(707) 322-5827
apexsepticdesign@gmail.com

33640 ROBLAR ROAD
ETALUMA, CA 94952
APN: 024-040-036

REPAIR SEPTIC PLAN

DRAWN

TN

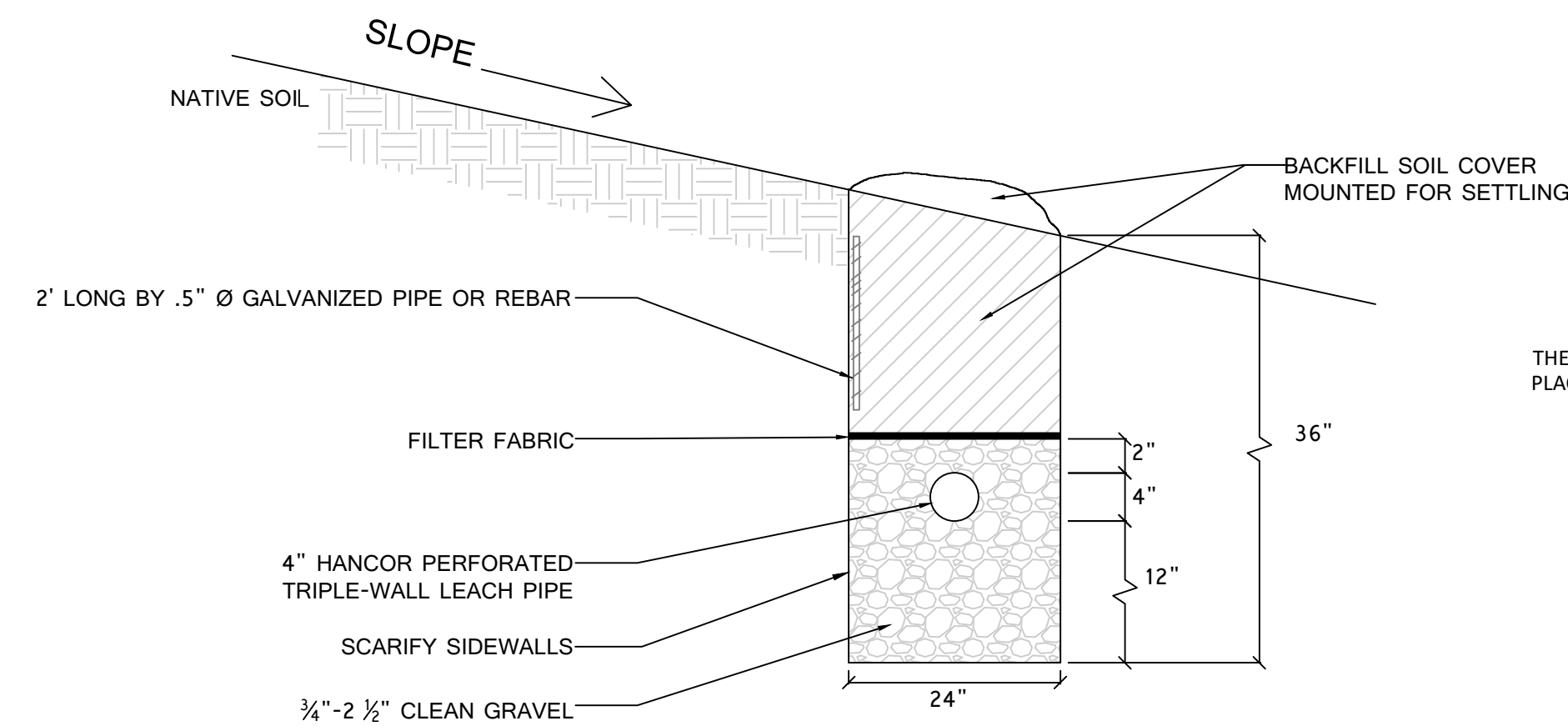
CHECKED:

TN

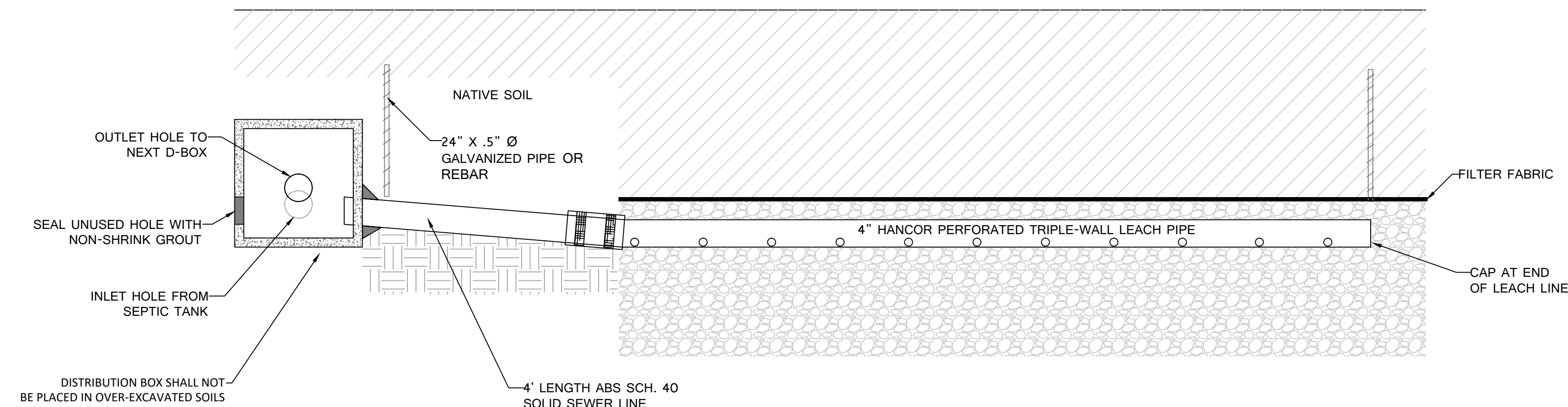
JOB NO:

[illegible]

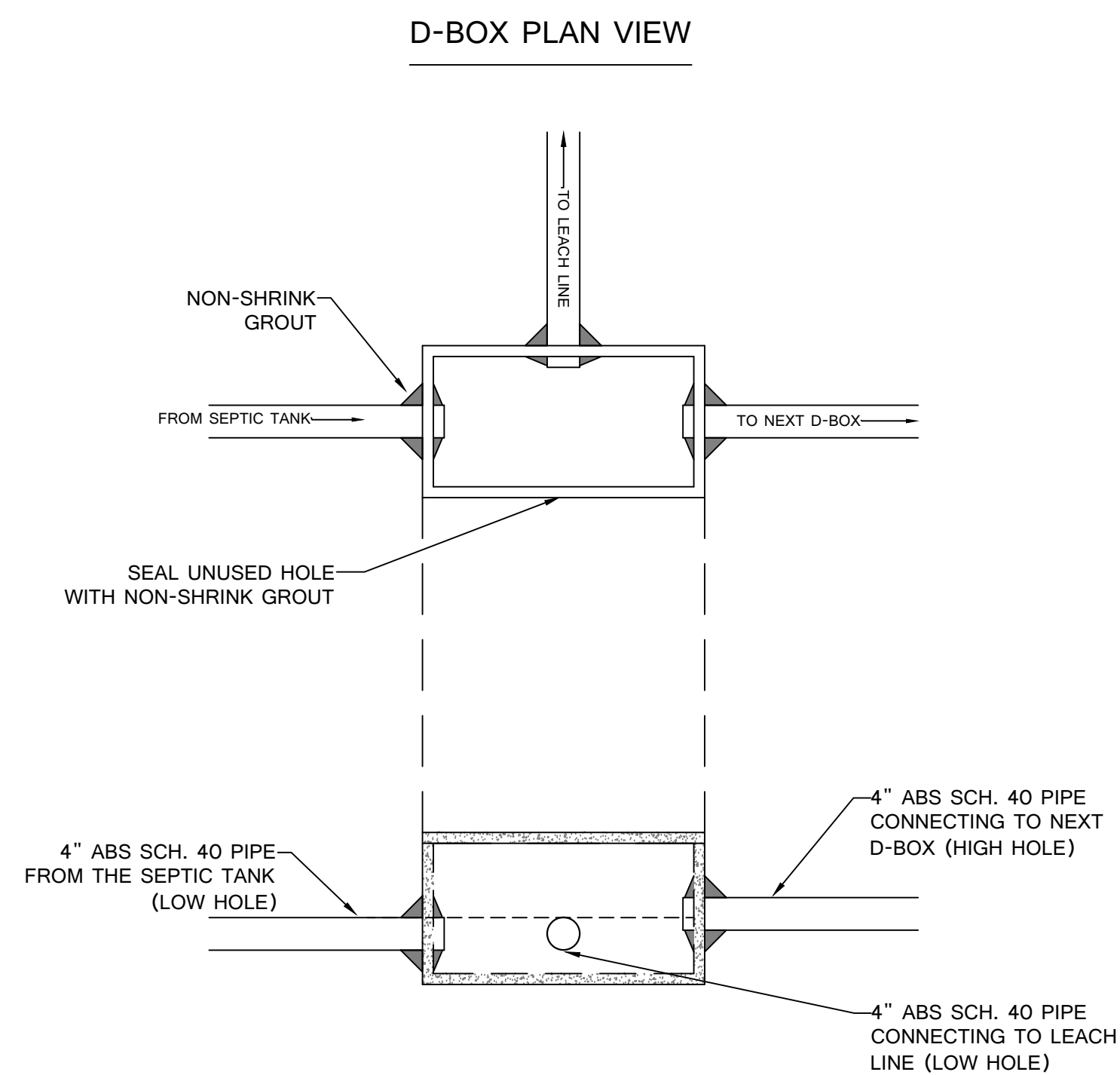
SHEET 2
of 4



LEACH TRENCH CROSS-SECTION

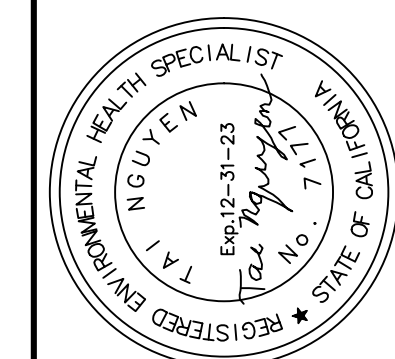


D-BOX AND LEACH TRENCH SIDE VIEW



D-BOX SIDEVIEW

APPROVED
PERMIT SONOMA
WELL AND SEPTIC SECTION
APPROVED BY Maria Carranza
DATE August 5, 2022
PERMIT # SEP22-0318



APEX SEPTIC DESIGN
P.O. BOX 11247
SANTA ROSA, CA 95406
(707) 322-5827
apexsepticdesign@gmail.com

3640 ROBLAR ROAD
PETALUMA, CA 94952
APN: 024-040-036
REPAIR SEPTIC PLAN

DRAWN:
TN
CHECKED:
TN
JOB NO:

No.	Revision

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.

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:

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

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

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

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

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.

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.

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

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

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 TERRAIN.

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

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.

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 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.

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

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

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

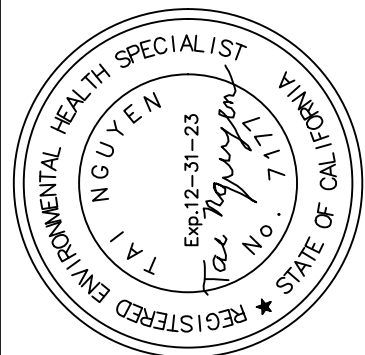
18. HOMEOWNERS AND CONTRACTORS ARE PROHIBITED FROM PLACING UNACCEPTABLE PLANTS, SHRUBS TREES, ORNAMENTS, VEGETATIVE COVER, AND IRRIGATION SYSTEMS OVER THE SEPTIC SYSTEM.

HORIZONTAL MINIMUM DISTANCE FROM:	SEPTIC TANK	STANDARD SYSTEM
-----------------------------------	-------------	-----------------

1.	BUILDINGS OR STRUCTURES: UPGRADIENT LATERALLY DOWNGRADIENT	5 FEET 5 FEET 5 FEET	8 FEET 8 FEET 8 FEET
2.	PROPERTY LINES AND/OR EASEMENT: UPGRADIENT LATERALLY DOWNGRADIENT	5 FEET 5 FEET 5 FEET	5 FEET 5 FEET 5 FEET
3.	WATER SUPPLY WELLS AND SPRINGS	50 FEET (NOTE 1)	100 FEET
4.	PUBLIC WATER SUPPLY WELLS: DISPERSAL DEPTH LESS THAN OR EQUAL TO 10 FT. DISPERSAL DEPTH GREATER THAN TO 10 FT.	50 FEET (NOTE 1) 50 FEET (NOTE 1)	150 FEET 200 FEET
5.	PUBLIC WATER SUPPLY SURFACE INTAKE: LESS THAN 1200 FEET TO OWTS LESS THAN 2500 FEET TO OWTS	50 FEET (NOTE 1) 50 FEET (NOTE 1)	400 FEET 200 FEET
6.	PERENNIALY FLOWING STREAMS (AS MEASURED FROM EDGE OF WATERBODY'S NATURAL OR LEVIED BANK)	50 FEET	100 FEET
7.	EPHEMERAL STEAMS/WATER BODIES (AS MEASURED FROM THE EDGE OF WATERCOURSE) AND	25 FEET	50 FEET
8.	DRAINAGE WAYS GREATER THAN 18 INCHES IN DEPTH	25 FEET	50 FEET
9.	DRAINAGE WAYS LESS THAN OR EQUAL TO 18 INCHES IN DEPTH	15 FEET	15 FEET
10.	INTERCEPT DRAIN - PERFORATED: UPGRADIENT LATERALLY DOWNGRADIENT	15 FEET 25 FEET 25 FEET	15 FEET 50 FEET 50 FEET
11.	NON-PERFORATED / SOLID DRAIN PIPES: UPGRADIENT LATERALLY DOWNGRADIENT	5 FEET 10 FEET 10 FEET	10 FEET 15 FEET 15 FEET
12.	OCEAN, LAKE, POND, RESERVOIR (AS MEASURED FROM THE HIGH WATERLINE)	50 FEET	100 FEET
13.	LARGE TREES	10 FEET	CONSIDERED ON A CASE BY CASE BASIS
14.	DISPOSAL FIELD	5 FEET	-----
15.	DOMESTIC WATER PIPE*	5 FEET	5 FEET
16.	PRESSURE PUBLIC WATER MAIN	5 FEET	10 FEET
17.	DISTRIBUTION BOX	5 FEET	4 FEET
18.	FILL AREAS	-----	15 FEET
19.	CUT BANKS (MANMADE EXCAVATION OF THE NATURAL TERRAIN GREATER THAN 3 FEET) NATURAL BLUFFS, SHARP CHANGE IN SLOPE		
	SOIL OR GROUNDWATER DEPTH BELOW DISPOSAL AREA IS GREATER THAN OR EQUAL TO 5 FEET	25 FEET	25 FEET
	SOIL OR GROUNDWATER DEPTH BELOW DISPERSAL AREA IS LESS THAN 5 FEET	25 FEET	50 FEET
20.	TITLE 22 RECYCLED WATER DISPERSAL AREA	5 FEET	PER RWQCB REQUIREMENTS
21.	SWIMMING POOLS (DOWNGRADIENT)	5 FEET	8 FEET

NOTE 1: SEPTIC TANK AND SUMP TANK SHALL BE WATERTIGHT.

NOTE * : BOTTOM OF WATER PIPE SHALL BE GREATER THAN OR EQUAL TO 12 INCHES ABOVE TOP OF SEWER/DRAIN LINE. WATER PIPE PLACED ON A SOLID SHELF EXCAVATED AT ONE SIDE OF THE COMMON TRENCH WITH A MINIMUM HORIZONTAL DISTANCE OF GREATER THAN OR EQUAL TO 12 INCHES (2007 CA PLUMBING CODE TABLE K-1)



33640 ROBLAR ROAD
ETALUMA, CA 94952
APN: 024-040-036

REPAIR SEPTIC PLAN

DRAWN:

TN

CHECKED:

TN

JOB NO:

[illegible]