

**GENERAL CONSTRUCTION NOTES**

- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD OWNER AND BC ENGINEERING GROUP HARMLESS FROM ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- THE ENGINEER ASSUMES NO RESPONSIBILITY OTHER THAN FOR THE ADEQUACY OF THE DESIGN CONTAINED HEREIN.
- ALL MATERIALS TO BE USED ARE TO BE APPROVED BY THE ENGINEER PRIOR TO THEIR PLACEMENT. ANY MATERIALS INSTALLED PRIOR TO APPROVAL ARE SUBJECT TO REMOVAL.
- AFTER COMPLETION OF WORK, WORK AREAS SHALL BE RESTORED TO THE ORIGINAL CONDITION BY THE CONTRACTOR.
- LOCATION OF UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON PLANS ARE APPROXIMATE ONLY. CONTRACTOR SHALL ASSUME RESPONSIBILITY OF SAID UTILITIES SAFETY DURING CONSTRUCTION AND IF DAMAGED CONTRACTOR SHALL RESTORE SERVICES AT HIS EXPENSE. THE OWNER, THE ENGINEER AND THE COUNTY OF SONOMA ASSUME NO RESPONSIBILITY FOR ANY OBSTRUCTIONS EITHER SHOWN OR NOT SHOWN ON THESE PLANS.
- CONTRACTOR SHALL PERFORM TRENCH WORK IN ACCORDANCE WITH THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY. SAID WORK SHALL CONFORM TO ALL APPLICABLE OCCUPATIONAL SAFETY AND HEALTH STANDARDS, RULES, REGULATIONS AND ORDERS ESTABLISHED BY THE STATE OF CALIFORNIA AND THE SONOMA COUNTY WELL & SEPTIC DIVISION OF THE PERMIT & RESOURCE MANAGEMENT DEPT.
- THE CONTRACTOR SHALL OBTAIN A TRENCH (D.I.S. PERMIT) FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO EXCAVATION OF ANY TRENCH. A COPY OF THIS PERMIT MUST BE ON FILE IN THE SONOMA COUNTY PERMIT AND RESOURCE MANAGEMENT DEPARTMENT (SCRPM) PRIOR TO THE COMMENCEMENT OF WORK.
- BEFORE ANY EXCAVATION, CALL UNDERGROUND SERVICE ALERT, TOLL FREE AT (800) 642-2444 OR (800) 227-2600.
- THE CONTRACTOR SHALL DO NO EXCAVATION UNTIL ALL EXISTING UTILITIES HAVE BEEN MARKED IN THE FIELD BY THE APPLICABLE ENTITY RESPONSIBLE FOR THAT PARTICULAR UTILITY. THE CONTRACTOR SHALL NOTIFY EACH UTILITY COMPANY AT LEAST 48 HOURS PRIOR TO STARTING WORK.
- THE CONTRACTOR SHALL OBTAIN SANITARY SEWER CONSTRUCTION PERMIT(S) (IF NECESSARY), FROM THE SONOMA COUNTY PERMIT AND RESOURCE MANAGEMENT DEPARTMENT FOR, BUT NOT LIMITED TO, THE INSTALLATION OF SEWER MAINS AND SERVICES TO THE PROPOSED PROJECT OR TO EACH LOT IN THE SUBDIVISION.
- ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE SONOMA COUNTY WATER AGENCY "DESIGN AND CONSTRUCTION STANDARDS FOR SANITATION FACILITIES", INCLUDING STANDARD DRAWINGS, (LATEST REVISION).
- ALL SANITARY SEWER CONSTRUCTION SHALL BE INSPECTED BY AN INSPECTOR FROM THE SONOMA COUNTY PERMIT AND RESOURCE MANAGEMENT DEPARTMENT, INSPECTION DIVISION. CALL: (707) 524-7199 48 HOURS ADVANCE NOTICE IS REQUIRED FOR ALL INSPECTIONS.
- CONTRACTOR SHALL INSTALL BUILDING SEWER CLEANOUTS AT 2 FT. FROM WALLS. CLEANOUTS IN TRAFFIC AREAS, SHALL BE INSTALLED IN TRAFFIC RATED VALVE BOXES (CHRISTY MODEL G12, OR EQUAL). FOR NON-TRAFFIC AREAS, USE CHRISTY MODEL F8, OR EQUAL, OR EQUAL.)

**SEPTIC SYSTEM CONSTRUCTION NOTES**

- THIS SEPTIC PLAN IS FOR AN EXISTING TWO BEDROOM HOME AND POTENTIAL SEVEN BEDROOM CAPACITY FOR FUTURE FARM SERVING AND/OR RESIDENTIAL SERVING USES ON THE PROPERTY. THE SYSTEM WILL BE A STANDARD SYSTEM, WITH A 200% REQUIRED RESERVE AREA. THIS DESIGN IS BASED ON A PRE-PERC SOIL INVESTIGATION (WSR18-0321) PERFORMED ON 06/12/18 BY BC ENGINEERING GROUP AND SONOMA COUNTY PRMD, AND A LETTER FROM THE COUNTY OF SONOMA DATED 06/12/18. A PERC RATE OF 10 MPI AND A SEWAGE APPLICATION RATE OF 0.8 GAL/SF/DAY ARE USED. GROUNDWATER TESTING FOR THE SEPTIC AREA WAS PERFORMED UNDER WSR18-0140 ON 03/09/18.
- INSTALL ONE STANDARD SEPTIC SYSTEM WITH 450 LF OF LEACH LINE IN 36" DEEP TRENCHES WITH 18" OF ROCK, AS SHOWN ON THE PLANS. CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT SONOMA COUNTY GUIDELINES AND REGULATIONS FOR STANDARD SEWAGE DISPOSAL SYSTEMS.
- ANY DISCREPANCIES BETWEEN THIS PLAN AND THE ABOVE MENTIONED RULES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION.
- INSTALL NEW 2,500 GALLON CONCRETE SEPTIC TANK, IAPMO CERTIFIED, FOR THE EXISTING HOME.
- INSTALL 4" ABS GRAVITY PIPE FROM THE EXISTING TRANSMISSION PIPE TO THE NEW SEPTIC TANK. INSTALL 1.5" SCH. 40 PVC PIPE (PRESSURIZED) FROM THE PUMP STATION TO THE LEACH FIELD. CLEAN-OUTS SHALL BE INSTALLED PER PLAN.
- CONTRACTOR SHALL NOT OVER EXCAVATE THE TRANSMISSION LINE TRENCH. EXCAVATIONS ALLOWING THE SEWAGE TO SPILL FROM LEACH TRENCH TO THE TRANSMISSION LINE TRENCH AND OTHER TRENCHES SHALL BE REJECTED.
- THE CONTRACTOR SHALL SUBMIT ALL EQUIPMENT SPECIFICATION TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
- CONTRACTOR SHALL COORDINATE AND OBTAIN ALL INSPECTIONS FROM THE SONOMA COUNTY PRMD AND ENGINEER PRIOR TO FINAL APPROVAL. INSPECTIONS SHALL INCLUDE PUMP ELECTRICAL AND DISTRIBUTION TEST PRIOR TO BACKFILLING AND COVERING. ALL CONSTRUCTION MATERIALS SHALL BE ON-SITE AT TIME OF INSPECTION. PROVIDE 48 HOUR NOTICE IN ADVANCE OF DESIRED INSPECTION TIME.
- ALL CONSTRUCTION MATERIALS AND WORK SHALL CONFORM TO THE SONOMA COUNTY PRMD, DIVISION OF WELL & SEPTIC STANDARDS.
- NO WELL EXISTS WITHIN 100 FEET OF THE PROPOSED SEPTIC SYSTEM.
- CONSTRUCTION OF THE TANKS, RISERS AND VALVE BOXES ARE TO MINIMIZE DIRECT GROUND WATER INFILTRATION. ALL GRADING SHALL BE SLOPED SO THAT INCIDENTAL RAIN WATER SHALL DRAIN AWAY FROM STRUCTURES. NO PONDING OR SURFACE WATER SHALL OCCUR WITHIN 50' OF THE SEPTIC SYSTEMS. A WATER TIGHT INSPECTION BY SONOMA COUNTY, ON ALL TANKS, IS REQUIRED.
- ALL DISTRIBUTION LINES AND BOTTOM OF TRENCHES SHALL BE SET LEVEL.

**SONOMA COUNTY HEALTH DEPT. SPECIAL NOTES**

- THE ENGINEER SHALL INSPECT THE SITE AND WEATHER CONDITIONS PRIOR TO CONSTRUCTION OF THE SYSTEM. THE ENGINEER MUST VERIFY DRY AND ACCEPTABLE SOIL CONDITIONS FOR CONSTRUCTION AND DECIDE IF CONDITIONS ARE SUITABLE TO BEGIN CONSTRUCTION.
- THE ENGINEER SHALL VERIFY WITH THE CONTRACTOR THE PROPER STAKING OF THE SYSTEM PRIOR TO ANY CONSTRUCTION. THE SYSTEM DETAILS, CONFIGURATION, LOCATION, CONTOUR, PERCOLATION AREA, EXPANSION AREA, ETC. SHALL BE VERIFIED.
- THE CONTRACTOR SHALL NOTIFY THE SCRPM DIVISION OF WELL AND SEPTIC A MINIMUM OF 24 HOURS IN ADVANCE OF WHEN CONSTRUCTION IS TO BEGIN AND CERTIFY THAT THE SOIL CONDITIONS ARE ACCEPTABLE FOR CONSTRUCTION PURPOSES AND THAT THE STAKING OF THE SYSTEM HAS BEEN ACCOMPLISHED AND CERTIFIED.
- ALL MEETINGS AND INSPECTIONS SHALL BE SCHEDULED WITH THE DESIGNING ENGINEER A MINIMUM OF 48 HOURS IN ADVANCE. THESE SHALL INCLUDE AS A MINIMUM:
  - PRE-CONSTRUCTION CONFERENCE.
    - SOIL MOISTURE AT THE APPROPRIATE DEPTHS ARE NOT SO HIGH AS TO HAVE THE SOIL SMEAR OR COMPACT DUE TO CONSTRUCTION ACTIVITIES.
    - IMMINENT WEATHER CONDITIONS APPEAR THAT THEY WILL NOT CREATE UNSUITABLE SOIL MOISTURE CONDITIONS DURING THE COURSE OF CONSTRUCTION.
    - LAYOUT AND STAKING OF THE PRIMARY SYSTEM BASAL AREA, DISTRIBUTION BED AND THE RESERVE AREA BOUNDARY TO SUBSTANTIALLY CONFORM TO THE APPROVED CONSTRUCTION PLANS.
  - INTERIM INSPECTION, PERFORMED PRIOR TO COVERING ANY ELEMENTS OF THE SYSTEM. VERIFY BY VISUAL INSPECTION AND OPERATION OF THE SYSTEM. A JOINT INSPECTION BY THE ENGINEER, THE CONTRACTOR AND THE SCRPM DIVISION OF WELL AND SEPTIC IS REQUIRED. INSPECTION SHALL INCLUDE:
    - LINE AND GRADE OF ALL EXCAVATIONS AND FILLS AS APPLICABLE.
    - FUNCTION AND SETTING OF ANY CONTROL DEVICES, INCLUDING BUT NOT LIMITED TO: VALVES, SWITCHES, AND ALARMS.
    - HYDRAULIC TESTING OF ANY PUMP AND DISTRIBUTION SYSTEM TO ASSURE THAT THE PUMP IS ADEQUATE FOR DESIGN FLOWS.
    - ALL THE REMAINING ELEMENTS REQUIRED TO COMPLETE THE SYSTEM SHALL BE ON-SITE AT THE TIME FOR VERIFICATION AND APPROVAL BY THE DESIGNER FOR CONFORMANCE WITH THE PLANS AND SPECIFICATIONS.
  - FINAL INSPECTION OF COMPLETED SYSTEM AND ALL RELATED ITEMS PER THE CONSTRUCTION DOCUMENTS SHALL BE MADE. A JOINT INSPECTION WITH THE SCRPM MAY BE REQUIRED.
    - THE DESIGNER SHALL VERIFY THAT ALL CONSTRUCTION IS IN GENERAL CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.
    - A FINAL LETTER FROM THE ENGINEER TO THE SCRPM SHALL STATE THAT ALL CONSTRUCTION HAS BEEN COMPLETED, APPROVED AND IS IN CONFORMANCE WITH ALL SPECIFICATIONS.
    - A FINAL INSPECTION BY THE SCRPM IS ALSO REQUIRED. A CONCURRENT INSPECTION IS REQUIRED WHEN DOSE AND ALARM FLOATS MUST BE SET OR WHEN MAJOR CORRECTIONS WERE REQUIRED AT THE INTERIM INSPECTION.

**SEWAGE PUMP STATION SPECIFICATIONS**

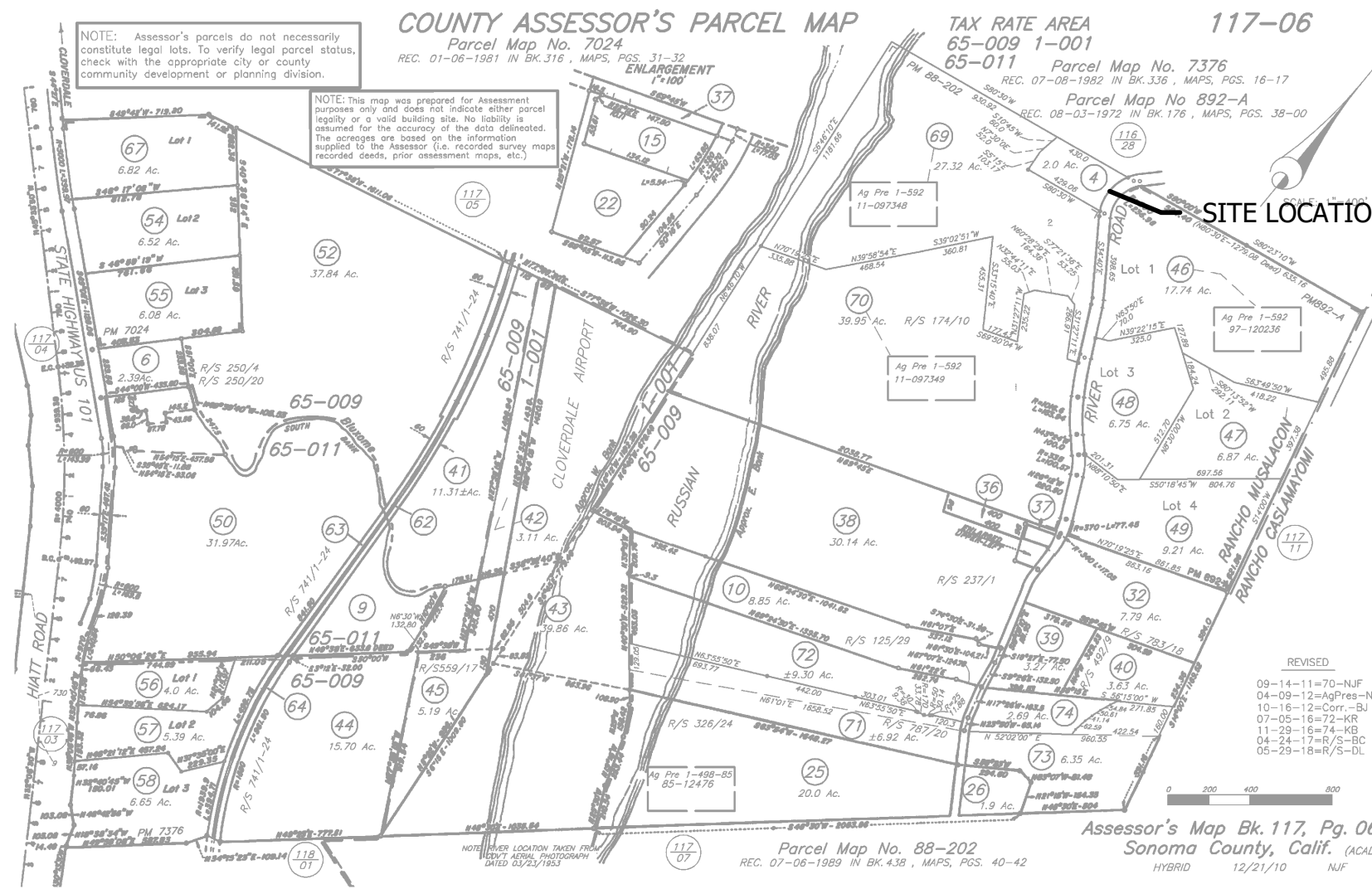
- INSTALL ONE 1,500 GALLON CONCRETE PUMP STATION PER DETAIL ON SHEET C1.3. STATION SHALL BE IAPMO CERTIFIED. ALL ACCESS PORTS ARE TO BE SEALED WITH THERMOPLUG OR OTHER APPROVED SEALANT.
- INSTALL ONE (1) PUMP IN THE PUMP STATION PER DETAIL SHEET C1.3. PUMP DESIGN: 15 GPM AT 5.56 FEET OF TOTAL DYNAMIC HEAD RECOMMENDED PUMP: LIBERTY MODEL FL30 SUBMERSIBLE EFFLUENT PUMP, OR EQUIVALENT SUPPLY PUMP DATA TO THE ENGINEER AND SONOMA COUNTY PRMD, PRIOR TO INSTALLATION.
- SEWAGE PUMP STATIONS SHALL BE INSTALLED IN ACCORDANCE WITH SONOMA COUNTY "GUIDELINES AND REGULATIONS FOR NON-STANDARD SEWAGE DISPOSAL SYSTEMS", LATEST EDITION, APPENDIX J; AND PER DETAIL. ALL PIPES AND/OR ELECTRICAL CONDUITS ENTERING THE SUMP CHAMBER SHALL BE GAS AND WATER TIGHT. GROUT OR ASPHALT EMULSION USED AS A SEALANT SHALL BE REJECTED. MOUND MANIFOLD AND SUPPLY LINE SHALL DRAIN BACK INTO PUMP STATION.
- ELECTRICAL PANEL TO BE INSTALLED PER THESE PLANS. ELECTRICAL CONTROL PANEL SHALL BE A NEMA 4 OR BETTER WITH A PLEXIGLASS INSIDE COVER AND 7/8 INCH DIA. RED LIGHT MOUNTED ON PANEL FACE INDICATING HIGH WATER. PANEL SHALL OPERATE WITH A H.O.A. SWITCH AND BE EQUIPPED WITH A FUSED DISCONNECT AND MOTOR PROTECTION SWITCH. PANEL SHALL ALSO BE EQUIPPED WITH A DOSE COUNTER THAT IS NON-RESETTABLE, A HIGH WATER AUDIO ALARM, AND A MOMENTARY "ALARM TEST/ALARM SILENCE" SWITCH TO TEST THE ALARM LIGHT AND ALARM AND TO SILENCE THE AUDIO ALARM DURING A HIGH WATER CONDITION. INSTALL WIDE ANGLE FLOAT SWITCHES IN PUMP CHAMBER. FLOAT CONTROLS SHALL BE SET PER DETAIL, SHEET 3. AN ELECTRICAL PERMIT AT THE BUILDING DEPT. IS REQUIRED.
- CENTER PUMP UNDER ACCESS PORT. ELECTRICAL SPLICING WITHIN THE PUMP CHAMBER SHALL BE REJECTED. ELECTRICAL SPLICING OUTSIDE OF PUMP CHAMBER SHALL BE A 3M SPLICE KIT ONLY. ALL PIPES AND/OR ELECTRICAL CONDUITS ENTERING THE SUMP CHAMBER SHALL BE GAS AND WATER TIGHT.
- LIQUID LEVEL CONTROLS TO BE PROVIDED TO OPERATE WITHIN THE LIMITS SHOWN ON THE PUMP STATION DETAIL. HIGH WATER ALARM SHALL BE PROVIDED WITH ALARM BELL MOUNTED AT THE CONTROL BOX ON THE BUILDING.
- THE CONTRACTOR SHALL SUBMIT ALL EQUIPMENT SPECIFICATIONS TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
- CONTRACTOR SHALL COORDINATE AND OBTAIN ALL INSPECTIONS FROM SONOMA COUNTY PRMD AND ENGINEER PRIOR TO FINAL APPROVAL. INSPECTIONS SHALL INCLUDE PUMP ELECTRICAL AND DISTRIBUTION TEST PRIOR TO BACKFILLING AND COVERING. ALL CONSTRUCTION MATERIALS SHALL BE ON-SITE AT TIME OF INSPECTION. PROVIDE 48 HOURS NOTICE IN ADVANCE OF DESIRED INSPECTION TIME.
- ALL CONSTRUCTION MATERIALS AND WORK SHALL CONFORM TO THE SONOMA COUNTY PRMD STANDARDS.
- DISCONNECTING MEANS (CONTROL PANEL OR DISCONNECTING SWITCH) SHALL BE LOCATED IN SIGHT FROM THE PUMP LOCATION PER THE COUNTY ADOPTED ELECTRICAL CODE.
- AN APPROVED LISTED MODEL OR TYPE OF FLOAT SWITCH SHALL BE USED TO ACTIVATE EACH PUMP. THE ALARM/CONTROL PANEL SHALL BE EQUIPPED WITH A MOTOR CONTRACTOR FOR THE PUMP AND A PUMP HAND/OFF/AUTOMATIC SWITCH TO MANUALLY RUN THE PUMP BYPASSING THE CONTROL PANEL AUTOMATIC MODE AND TO TEST THE ALARM.
- POWER SUPPLY TO EACH CIRCUIT BEAKER IN THE CONTROL PANEL SHALL BE FROM A SEPARATE DEDICATED CIRCUIT WITH CIRCUIT PROTECTION, OF EQUIVALENT OR HIGHER AMPERAGE RATING, AT THE POWER SUPPLY PANEL.
- ALL CORDS GOING INTO THE SUMP SHALL BE INDIVIDUALLY SEALED WITH NON-METALLIC GAS TIGHT FITTINGS IN EITHER THE RISER, JUNCTION BOX OR ALARM/CONTROL PANEL AS APPROPRIATE.
- METALLIC GAS TIGHT FITTINGS ARE NOT ALLOWED.
- ALL EXPOSED PVC CONDUIT SHALL BE SCHEDULE 80.
- THE CONTROL PANEL SHALL BE EQUIPPED SO SETTINGS CAN BE ADJUSTED MANUALLY ON-SITE.

**STANDARD SEPTIC SYSTEM PLANS**

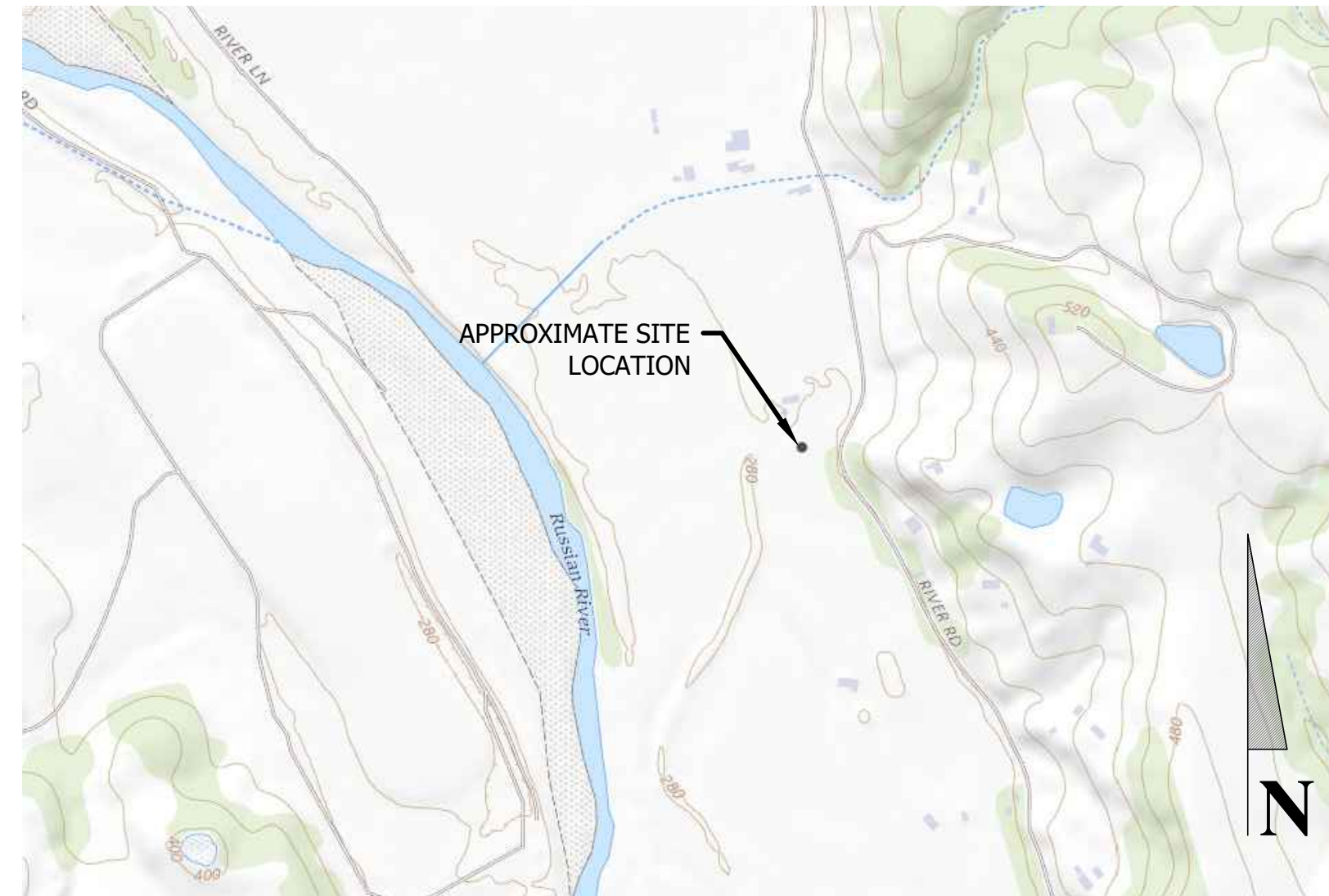
**ECO TERRENO WINES, INC.**  
**C/O ROB IZZO - (408)286-9800**  
**28021 RIVER ROAD**  
**CLOVERDALE, CA 95425**  
**APN# 117-060-004**

**SHEET INDEX**

C1.0	COVER SHEET
C1.1	SITE PLAN
C1.2	SEPTIC PLAN
C1.3	DETAILS



**ASSESSORS PARCEL MAP**  
NTS



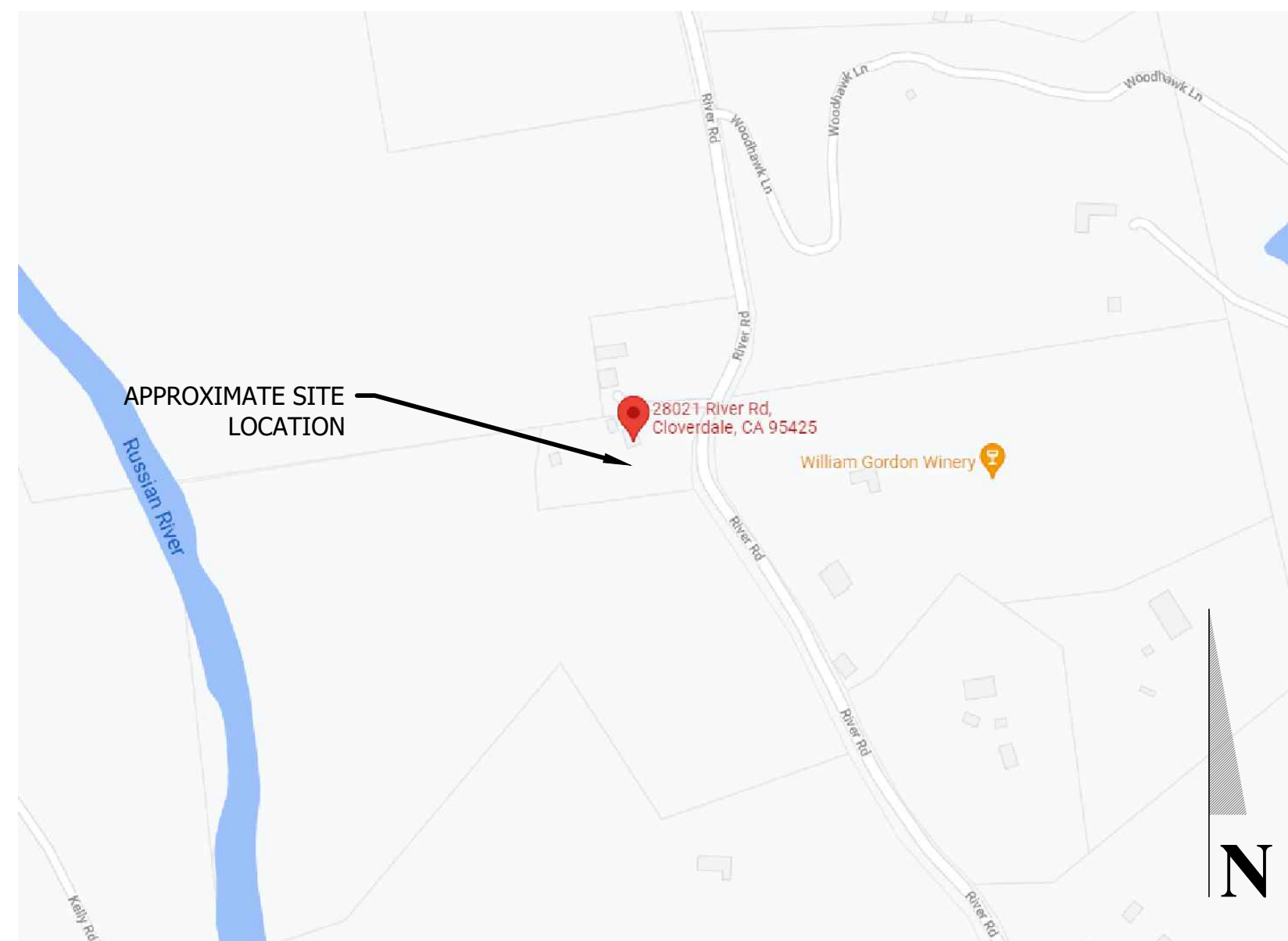
**USGS QUAD MAP**  
NTS

**ABBREVIATIONS**

±	PLUS OR MINUS	PP	POWER POLE
%	PERCENT	SP	SERVICE POLE
APN	ASSESSOR'S PARCEL NUMBER	PVC	POLYVINYL CHLORIDE
FT	FOOT / FEET	ABS	ACRYLONITRILE BUTADIENE STYRENE
LF	LINEAL FOOT	SCH	SCHEDULE
MIN	MINIMUM	ELEV	ELEVATION
NTS	NOT TO SCALE	GW	GROUNDWATER
PL	PROPERTY LINE	PH	PROFILE HOLE
TYP	TYPICAL	DIA	DIAMETER

**OWNERS NOTES & MAINTENANCE OF THE SYSTEM**

- SEPTIC TANKS AND SUMPS SHOULD BE PERIODICALLY INSPECTED AND CHECKED FOR SIGNS OF LEAKAGE AND GROUNDWATER INTRUSION.
- IT IS RECOMMENDED THAT THE SEPTIC TANK BE PUMPED ONCE EVERY FIVE YEARS OR WHEN THE SLUDGE LAYER IS GREATER THAN 18 INCHES FROM THE TANK BOTTOM. TANKS SHOULD BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.
- DISPOSAL OF ANY HAZARDOUS MATERIAL INTO A SEPTIC TANK OR SYSTEM IS UNLAWFUL.
- PLANT VEGETATION INCOMPATIBLE WITH PROPER FUNCTION OF A SEWAGE DISPOSAL SYSTEM SHALL NOT BE PLANTED IN AN AREA WHICH MAY EFFECT THE DISPOSAL FIELD AND/OR THE RESERVE AREA (i.e. INVASIVE ROOTS).
- DISCING, RIPPING, OR PLOWING OF THE SOIL IN A MANNER THAT WILL ADVERSELY IMPACT THE FUNCTION OF THE SEWAGE DISPOSAL SYSTEM AND/OR RESERVE AREA SHALL NOT BE ALLOWED.
- PROPERTY OWNERS ARE REQUIRED TO NOTIFY SCRPM OF ANY MALFUNCTION.
- PROPERTY OWNERS ARE RESPONSIBLE FOR MAINTAINING ALL SURFACE AND SUBSURFACE DRAINAGE IMPROVEMENTS.
- PROPERTY OWNERS ARE RESPONSIBLE FOR PREVENTING DISTURBANCE TO THE SOIL COVER BY ANIMALS, VEHICLES, STRUCTURES, EROSION, ETC.
- PROPERTY OWNERS SHALL PREVENT HYDRAULIC OVERLOADING.

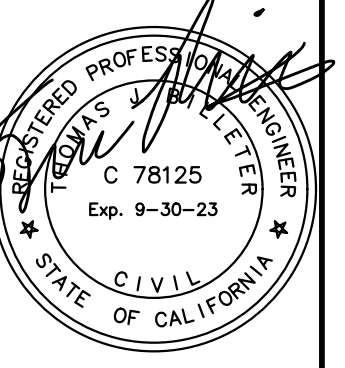


**LOCATION MAP**  
NTS

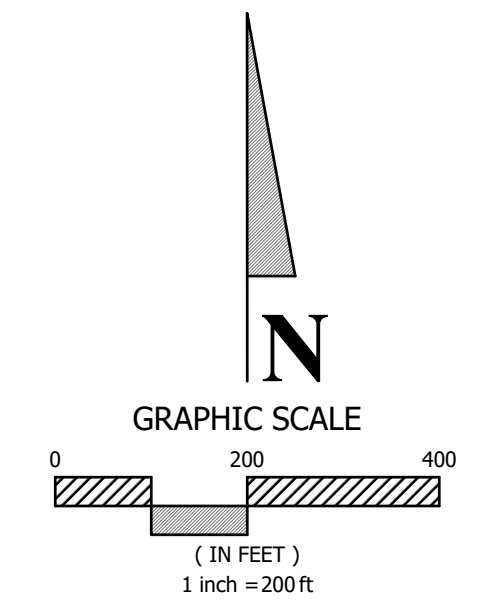
REV.	DESCRIPTION	DATE
1	SECOND SEPTIC SUBMITTAL	02/24/2022
2	THIRD SEPTIC SUBMITTAL	09/08/2022

**BC ENGINEERING GROUP, INC.**  
**CIVIL ENGINEERING & LAND PLANNING**  
 www.bceengineeringgroup.com  
 Phone: 707-542-4321  
 418 B Street, Third Floor, Santa Rosa CA 95401  
 UKIAH OFFICE:  
 603 S. State Street, Ukiah CA 95482

**LANDS OF ECO TERRENO WINES, INC.**  
 COVER SHEET  
 ROB IZZO  
 ECO TERRENO WINES, INC.  
 28021 RIVER ROAD  
 CLOVERDALE, CA



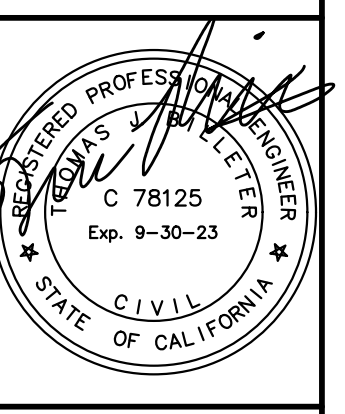
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 603 S. State Street, Ukiah CA 95482

**LANDS OF ECO TERRENO WINES, INC.**  
 SITE PLAN  
 ROB IZZO  
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 28021 RIVER ROAD  
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**NOTE:**

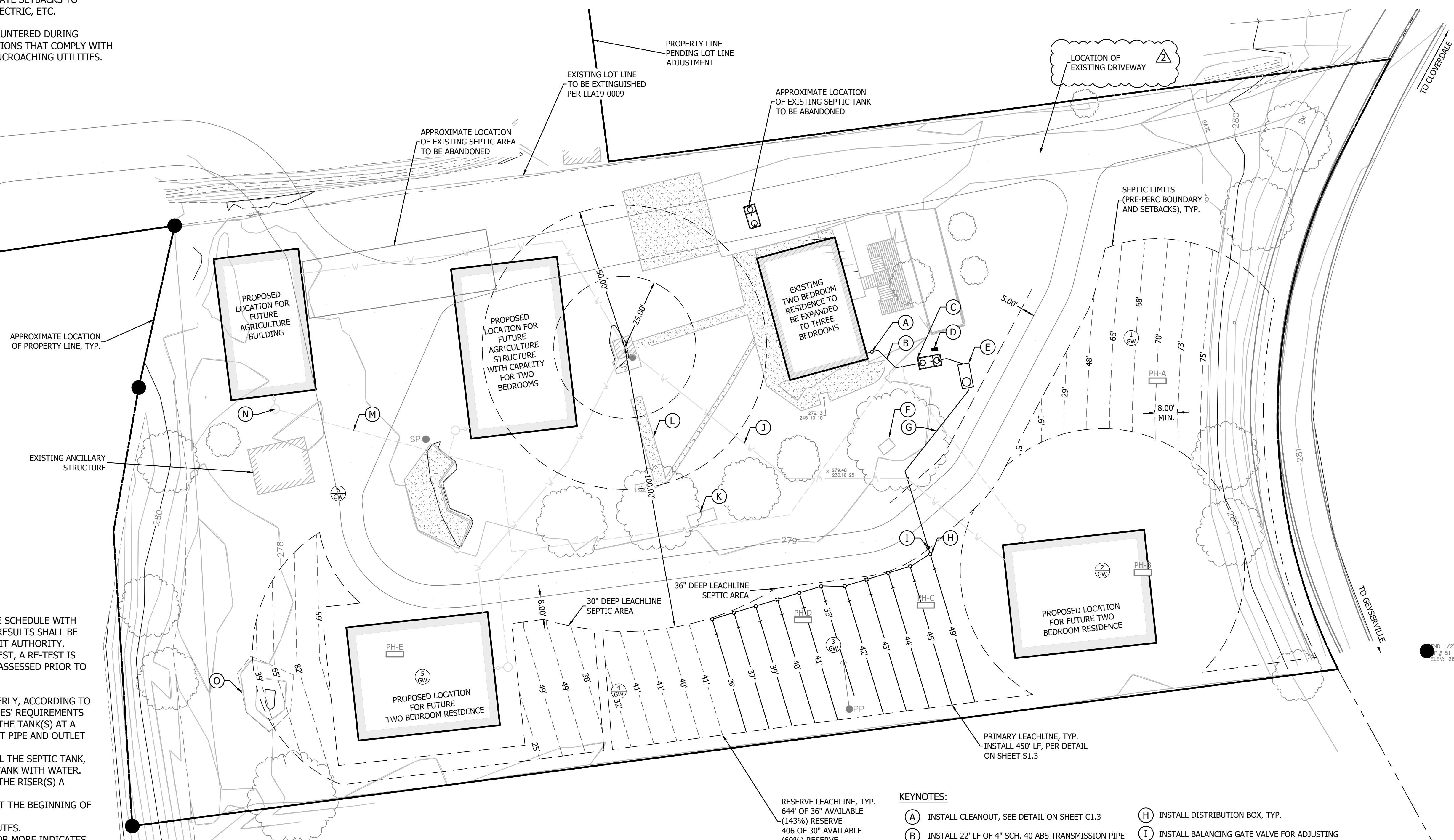
- 1) CONTOURS DERIVED BY CINQUINI & PASSARINO, INC. LAND SURVEYING ON SEPTEMBER 1ST 2020
- 2) PRIOR TO BACKFILL OF DISTRIBUTION BOXES, CONTRACTOR AND ENGINEER SHALL PERFORM DOSE TEST AND ADJUST BALANCING VALVE AS NECESSARY PER DIRECTION OF CIVIL ENGINEER
- 3) CONTRACTOR SHALL MAINTAIN ALL APPROPRIATE SETBACKS TO EXISTING UTILITIES INCLUDING GAS, WATER, ELECTRIC, ETC.
- 4) ANY WATER LINES OR OTHER UTILITIES ENCOUNTERED DURING CONSTRUCTION SHALL BE RE-ROUTED TO LOCATIONS THAT COMPLY WITH SEPTIC SETBACKS. INFORM ENGINEER OF ANY ENCRoACHING UTILITIES.

**WATER TIGHT TEST REQUIREMENTS**

1. A WATER TIGHT TEST INSPECTION SHALL BE SCHEDULE WITH THE PERMIT AUTHORITY. THE INSPECTION RESULTS SHALL BE RECORDED AS A PASS OR FAIL BY THE PERMIT AUTHORITY.
2. IN THE EVENT OF A FAILED WATER TIGHT TEST, A RE-TEST IS ALLOWABLE. A REINSPECTION FEE WILL BE ASSESSED PRIOR TO SCHEDULING THE RE-TESTING.
3. TEST PROCEDURE:
  - 3.1. THE TANKS SHALL BE INSTALLED PROPERLY, ACCORDING TO INDUSTRY STANDARD OR MANUFACTURERS' REQUIREMENTS WITH THE BACK FILL PLACED AROUND THE TANK(S) AT A LEVEL BELOW THE INVERT OF THE INLET PIPE AND OUTLET PIPE AREAS.
  - 3.2. THE LICENSED CONTRACTOR SHALL FILL THE SEPTIC TANK, PRE-TREATMENT TANK, AND OR SUMP TANK WITH WATER. THE WATER SHALL BE FILLED UP INTO THE RISER(S) A MINIMUM OF 2 INCHES.
  - 3.4. THE WATER LEVEL SHALL BE MARKED AT THE BEGINNING OF THE WATER TIGHT TEST.
  - 3.5. THE TEST DURATION SHALL BE 30 MINUTES.
  - 3.6. A WATER LEVEL DECLINE OF 1/8 INCH OR MORE INDICATES A FAILED WATER TIGHT TEST.

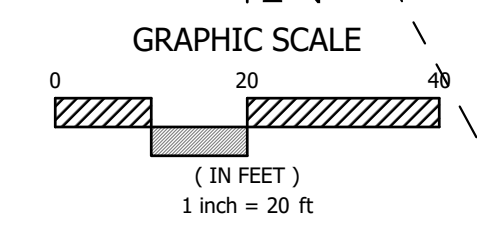
**TANK ABANDONMENT NOTES:**

- 1) THE TANKS SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER PRIOR TO DESTRUCTION. THE PUMPER RECEIPT SHALL BE PROVIDED TO PRMD WELL AND SEPTIC STAFF.
- 2) THE TANK LIDS SHALL BE REMOVED FROM THE SITE OR BROKEN INTO SMALL PIECES AND PLACED INTO THE TANKS WITH THE FILL (DO NOT ALLOW HOLLOW VOIDS TO FORM IN THE TANK).
- 3) CONTRACTOR SHALL BREAK A HOLE IN THE BOTTOM OF EACH SECTION OF THE TANKS TO PROVIDE FOR DRAINAGE. PRMD WELL AND SEPTIC STAFF SHALL BE CONTACTED TO INSPECT THIS WORK.
- 4) THE TANKS SHALL BE FILLED WITH EARTH, SAND, OR GRAVEL MATERIAL TO A DEPTH APPROXIMATELY ONE FOOT BELOW GRADE. THE REMAINING FILL TO SURFACE LEVEL MAY BE OF ANY APPROVED MATERIAL AND SHOULD BE GRADED TO DRAIN.



**KEYNOTES:**

- (A) INSTALL CLEANOUT, SEE DETAIL ON SHEET C1.3
- (B) INSTALL 22' LF OF 4" SCH. 40 ABS TRANSMISSION PIPE MIN. SLOPE = 2% MIN. COVER = 18"
- (C) INSTALL A 2,500 GALLON SEPTIC TANK PER DETAIL ON SHEET C1.3
- (D) INSTALL CONTROL PANEL, SEE DETAIL ON SHEET C1.3
- (E) INSTALL 1,500 GALLON LIBERTY FL30 PUMP, OR EQUIVALENT CONCRETE SUMP TANK WITH PUMP PER DETAIL ON SHEET C1.3
- (F) EXISTING CONCRETE PAD
- (G) INSTALL 68' TOTAL OF 1.5" SCH. 40 PVC TRANSMISSION LINE (PRESSURIZED) SEE DETAIL SHEET C1.3
- (H) INSTALL DISTRIBUTION BOX, TYP.
- (I) INSTALL BALANCING GATE VALVE FOR ADJUSTING SYSTEM HEAD AND TO PREVENT OVERLOADING FIRST DISTRIBUTION BOX. SEE DETAIL ON SHEET C1.3
- (J) APPROXIMATE LOCATION OF PROPOSED WATER LINE
- (K) EXISTING PROPANE TANK
- (L) LOCATION OF EXISTING SIDEWALK
- (M) APPROXIMATE LOCATION OF TRANSMISSION PIPE NOT TO BE INSTALLED AT A LATER DATE
- (N) APPROXIMATE LOCATION OF FUTURE GRINDER PUMP, TO BE INSTALLED AT LATER DATE
- (O) EXISTING EARTHWORK STOCKPILE TO BE REMOVED BY HAND BACK TO NATIVE GRADE



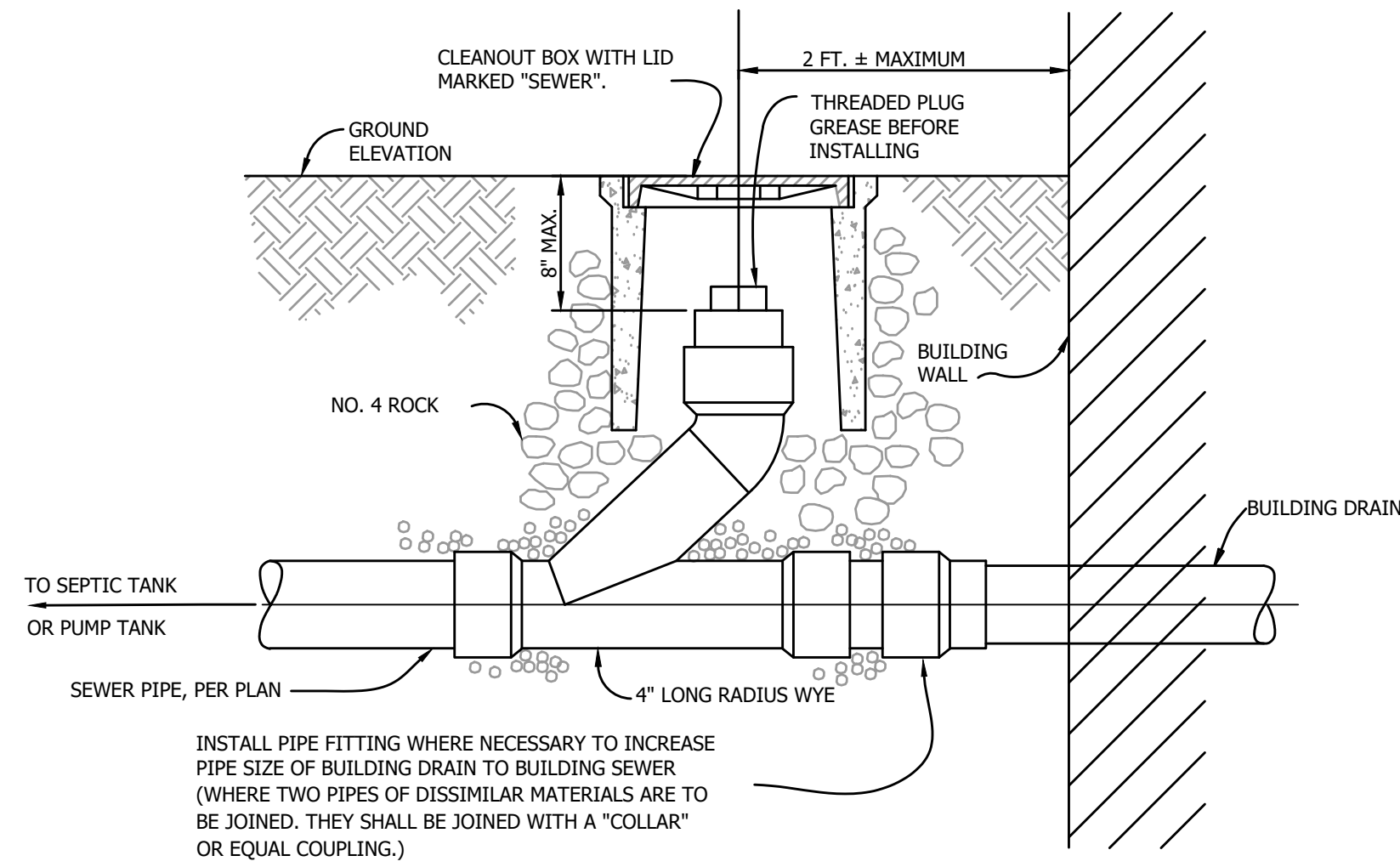
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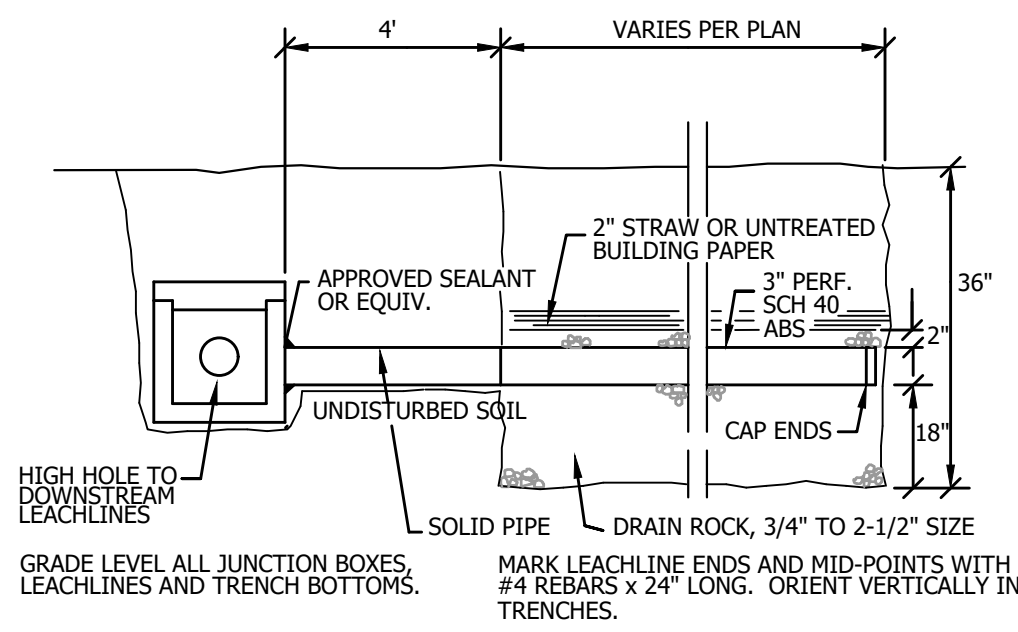
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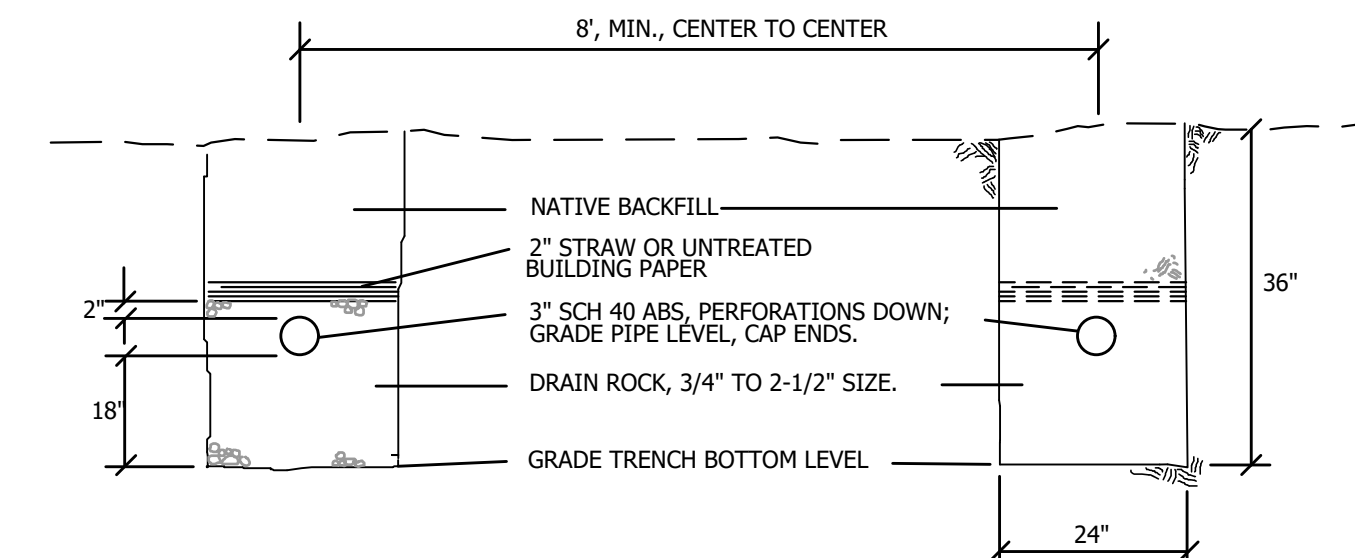
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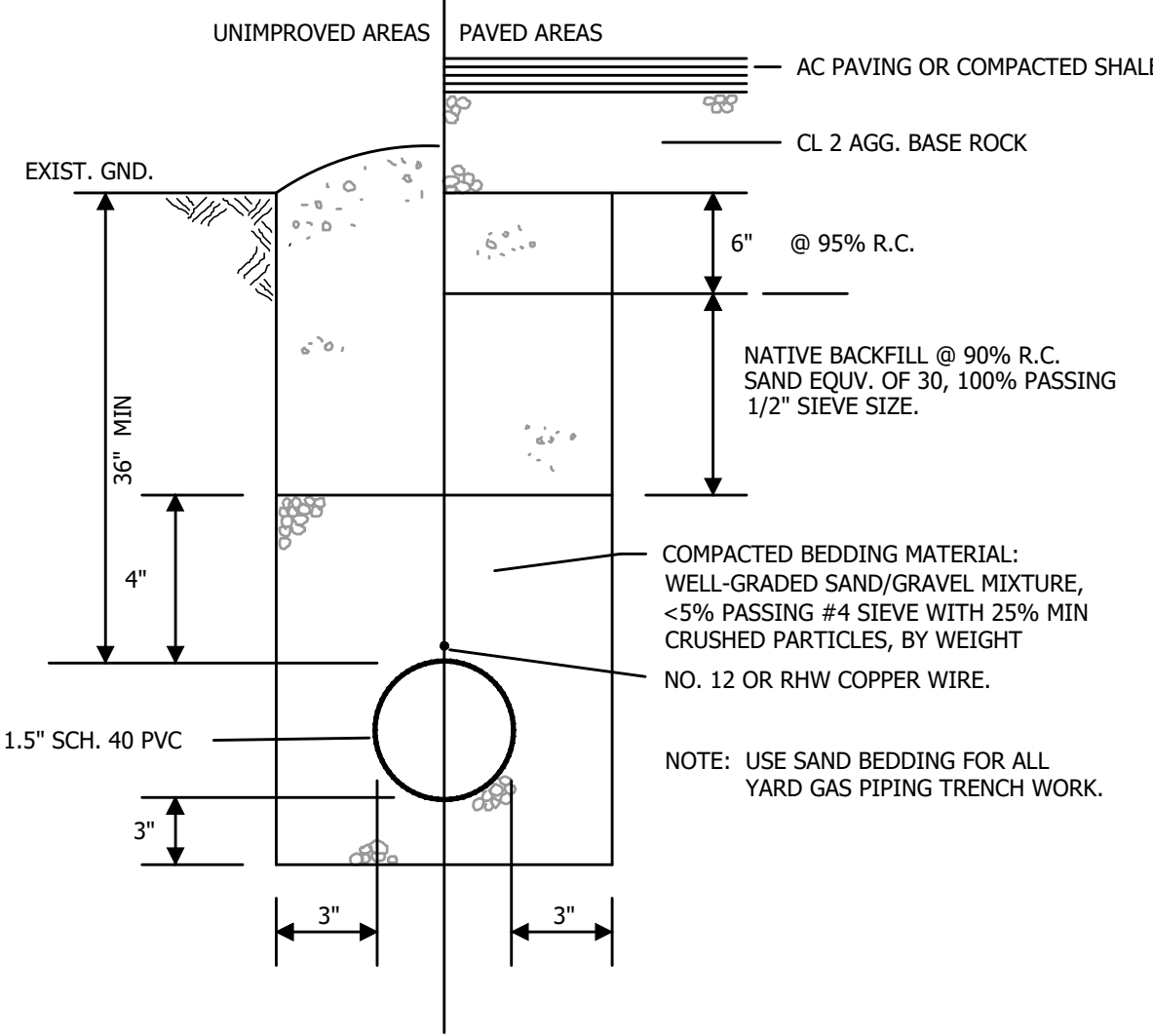
**CO** CLEANOUT NO SCALE



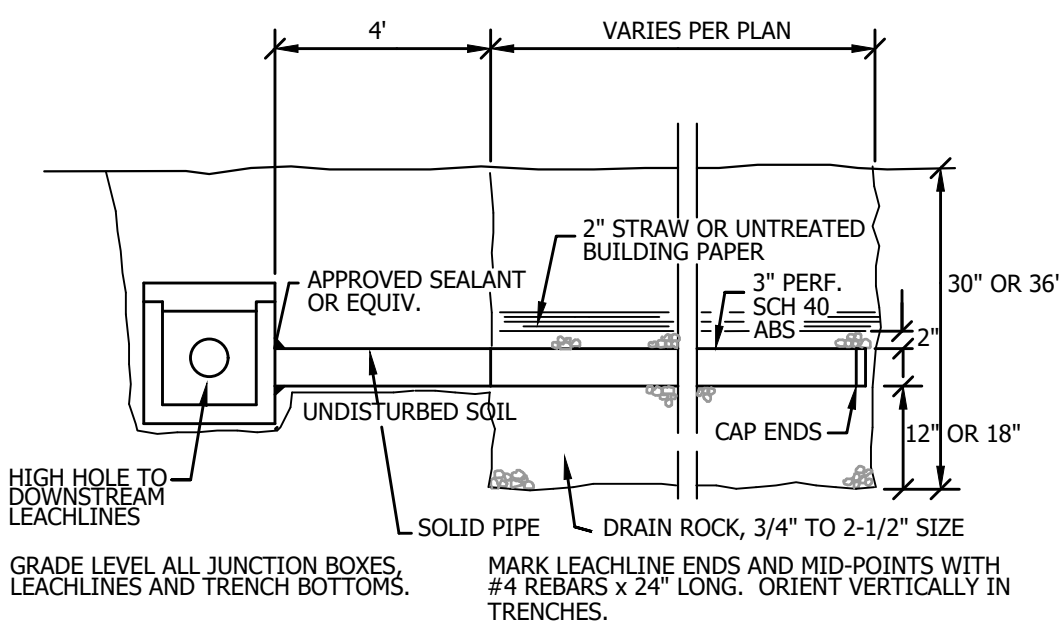
**PL** PRIMARY PROFILE LEACHLINE - TOP ENTRY NO SCALE



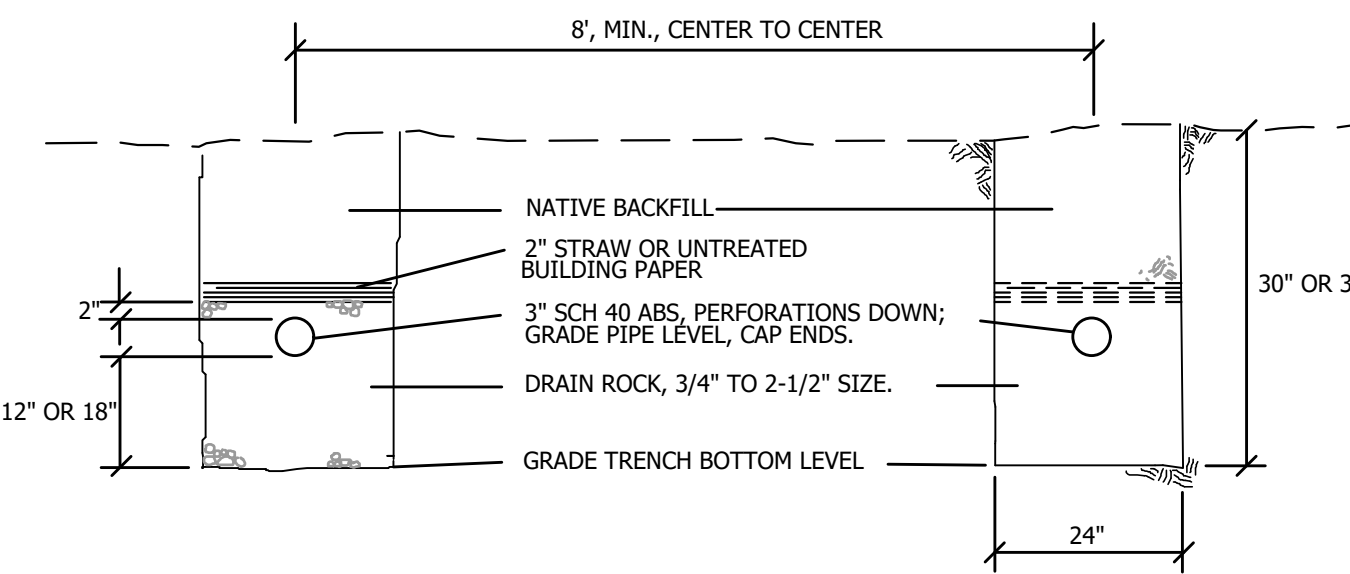
**LS** PRIMARY TYPICAL LEACHLINE SECTION NO SCALE



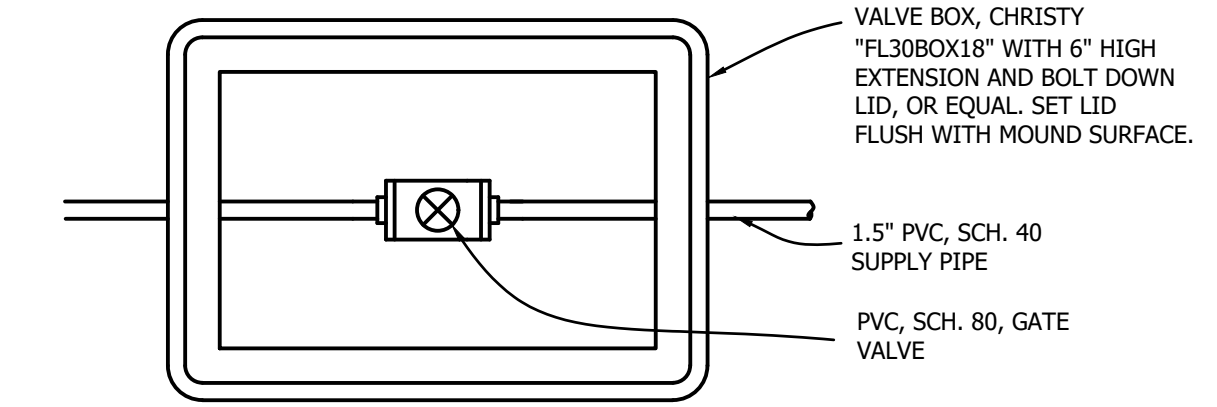
**PT** PRESSURE TRANSPORT PIPE TRENCH NO SCALE



**PL** RESERVE PROFILE LEACHLINE - TOP ENTRY NO SCALE



**LS** RESERVE TYPICAL LEACHLINE SECTION NO SCALE



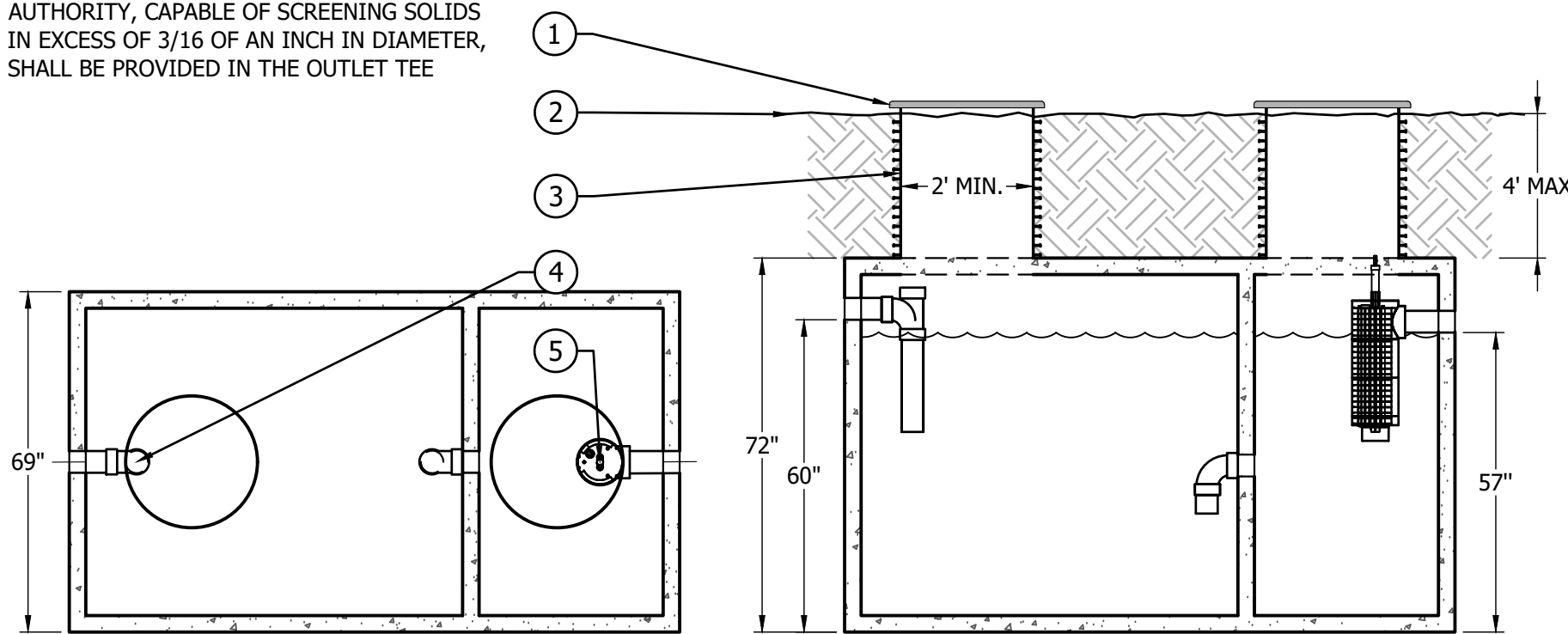
**BV** BALANCING VALVES NO SCALE

**KEYNOTES:**

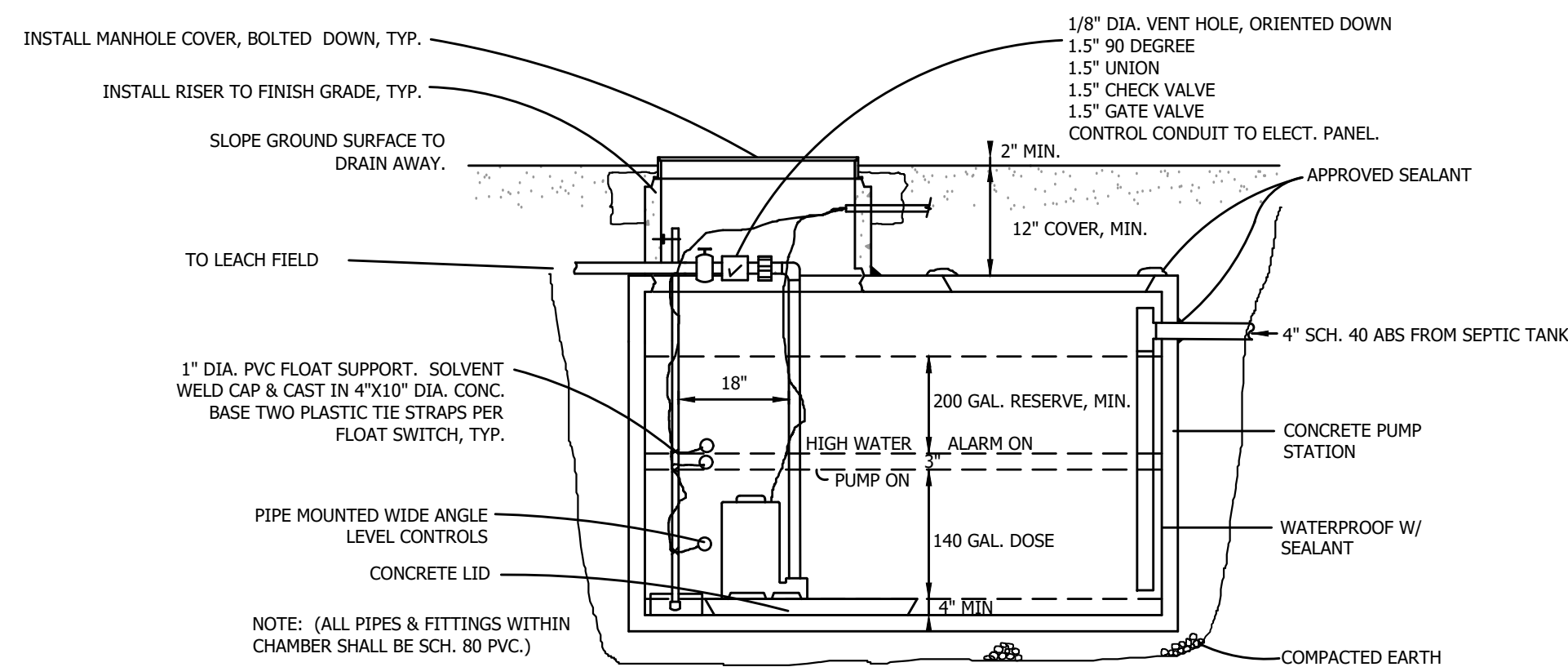
1. INSTALL RISER LID OR MANHOLE COVER, BOLTED DOWN, TYP.
2. FINISH GRADE
3. INSTALL ACCESS RISER(S) TO FINISH GRADE
4. INSTALL INLET SANITARY TEE
5. INSTALL CORROSION-RESISTANT, NSF RATED EFFLUENT FILTER APPROVED BY THE PERMIT AUTHORITY, CAPABLE OF SCREENING SOLIDS IN EXCESS OF 3/16 OF AN INCH IN DIAMETER, SHALL BE PROVIDED IN THE OUTLET TEE

**NOTES:**

1. SEPTIC TANK SHALL BE IAPMO APPROVED. SEPTIC TANK SHALL BE SEALED WITH AN APPROVED SEALANT SO IT IS WATERTIGHT
2. SEPTIC TANK SHALL HAVE AT LEAST TWO COMPARTMENTS SEPARATED BY A BAFFLE WALL OR EQUIVALENT ARRANGEMENT.
3. EACH COMPARTMENT OF THE SEPTIC TANK SHALL BE PROVIDED WITH A RISER EXTENDED TO GRADE SO AS TO FACILITATE INSPECTION AND MAINTENANCE OF THE SEPTIC TANK
4. DIMENSIONS PROVIDED BY JENSEN PRECAST

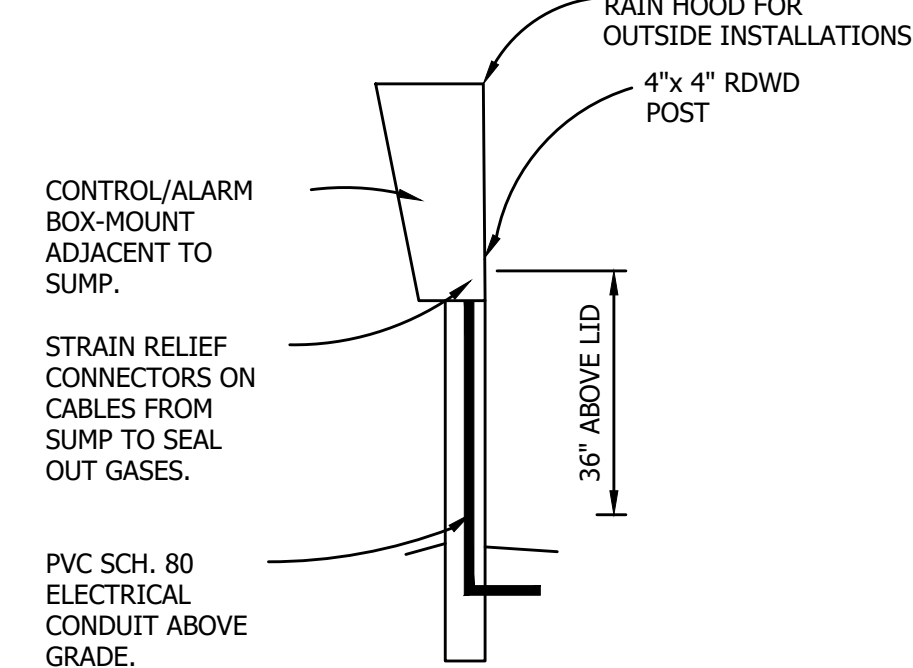


**ST** SEPTIC TANK DETAIL - 2,500 GALLON NO SCALE



**PS** LEACHFIELD DOMESTIC WASTE PUMP STATION NO SCALE

**NOTE:** MOUNT CONTROL PANEL ON SIDE OF HOUSE ADJACENT TO TANK, OR ON POST NEAR TANKS.



**CP** CONTROL PANEL NO SCALE

**NOTES:**

- CONTROL PANEL SHALL BE A NEMA 4X CONTROL BOX W/ INTERIOR PLEXI-GLASS COVER.
- A LOUD (87 DECIBELS AT A 10-FOOT MINIMUM HORIZONTAL DISTANCE FROM THE ALARM LOCATION) AUDIO ALARM OPERATED BY A FLOAT SWITCH OR SWITCHES TO INDICATE AN "ALARM" SITUATION.
- THE CONTROL BOX SHALL BE LABELED "CAUTION-ELECTRICAL HAZARD"
- THE DOSE SETTINGS (TIME OR GALLONS), CALCULATED DOSE VOLUME AND FLOAT SETTINGS SHALL BE POSTED ON THE INSIDE OF THE PANEL.
- PANEL SHALL HAVE A NON-RESETTABLE DOSE COUNTER.
- IF A PHONE LINE IS REQUIRED TO THE CONTROL PANEL, IT SHALL BE ACTIVATED PRIOR TO FINAL INSPECTION.

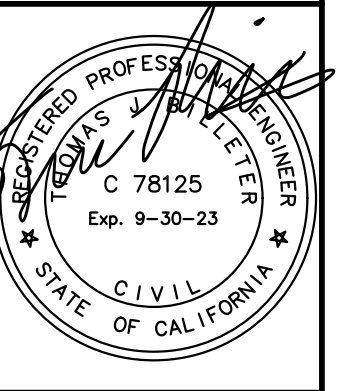
9/15/2022 12:40 PM S:\Clients\536-17 Eco Terreno Wines - 28021 River Road\_CLO\536-17 CAD\Septic\536-17\_septic\_plans.dwg Printed by Mandy

REV.	DESCRIPTION	BY	DATE
1	SECOND SEPTIC SUBMITTAL	EK	02/24/2022
2	THIRD SEPTIC SUBMITTAL	MB	09/08/2022

**BC ENGINEERING GROUP, INC.**  
**CIVIL ENGINEERING & LAND PLANNING**  
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**LANDS OF ECO TERRENO WINES, INC.**  
 DETAILS  
 ROBERT IZZO  
 ECO TERRENO WINES, INC.  
 28021 RIVER ROAD  
 CLOVERDALE, CA



Date:	09/08/2022
Job:	536-17
Drawn:	EK/MB
Scale:	AS SHOWN
APN:	117-060-004
Permit #:	
Sheet:	<b>C1.3</b> 4 of 4