

VICINITY MAP
NOT TO SCALE

LEGEND

EXISTING FEATURES	
RIGHT-OF-WAY	---
FENCE	— X — X —
GAS LINE	— G — G —
SANITARY SEWER	— SS — SS —
DOMESTIC WATER	— W — W —
STORM DRAIN	— D — D —
OVERHEAD POWER	— OHP — OHP —
IRRIGATION	— IRR — IRR —
TREE	
UTILITY POLE	
MANHOLE	
DRYWELL	
CATCH BASIN	
FIRE HYDRANT	
WATER VALVE	
WATER BLOWOFF	
SPLICE BOX	
STREET LIGHT	
WATER METER	
ASPHALT	
CONCRETE	

NEW FEATURES	
HMA	
CURB AND GUTTER	
CEMENT CONCRETE SIDEWALK	
HANDICAP RAMP	
SEWER LINE	
WATER LINE	
STORM DRAIN PIPE	
NEW AND/OR RELOCATED CHAINLINK FENCE	— X — X —
MANHOLE	
CATCH BASIN	
DRYWELL	
JUNCTION BOX	
STREET LIGHT	
FIRE HYDRANT	
WATER VALVE	
WATER METER	

DATUM ELEVATION
ELEVATIONS BASED ON THE
WASHINGTON STATE REFERENCE
NETWORK (WSRN).
(NAVD88).

OWNER
SCENIC RANCH, LLC
7650 Scenic Drive
Yakima, WA 98908
Contact: Mike Taylor
(509) 961-5060

ENGINEER
HLA Engineering & Land Surveying, Inc.
2803 River Road
Yakima, WA 98902
Contact: Mike Heit, PE
(509) 966-7000



Know what's below.
Call before you dig.

LOCATION OF ALL UNDERGROUND UTILITIES SHOWN
HEREON ARE APPROXIMATE AND ARE BASED ON FIELD
LOCATIONS OF ALL VISIBLE STRUCTURES SUCH AS:
CATCH BASINS, MANHOLES, WATER GATES, ETC. AND
COMPILING INFORMATION FROM PLANS SUPPLIED BY
VARIOUS UTILITY COMPANIES. ALL CONTRACTORS
SHOULD CALL 509-248-0202 OR 1-800-424-5555
PRIOR TO ANY EXCAVATION WORK.

SCENIC RANCH, LLC

YAKIMA COUNTY

WASHINGTON

CANYON VIEW ESTATES SEPTIC SYSTEM LOTS 7,8,11,12, AND 16

HLA PROJECT NO. 18118

MARCH 2021

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		JOB NUMBER: 18118	DATE: 3-15-21
		FILE NAMES:	
		DRAWING: 18118.dwg	
		PLAN: LOTS 7,8,11,12,16.dwg	
		DESIGNED BY: MRH	
		ENTERED BY: MDH	
REVISION	DATE		

SCENIC RANCH, LLC
CANYON VIEW ESTATES SEPTIC
SYSTEM LOTS 7,8,11,12, AND 16

COVER SHEET

SHEET
1
OF
9

SANITARY SEWER GENERAL NOTES

1. ALL SANITARY SEWER CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE YAKIMA HEALTH DISTRICT PUBLIC WORKS STANDARD SPECIFICATIONS.
2. ALL GRAVITY SANITARY SEWER LINES SHALL BE POLYVINYL CHLORIDE PIPE (PVC), ASTM D-3034 SDR 35. SEWER LINE CONSTRUCTION AND MATERIALS SHALL CONFORM TO ASTM STANDARDS AND SPECIFICATIONS.
3. DISTANCES FOR SANITARY SEWER ARE THE HORIZONTAL DISTANCES FROM CENTER OF PIPE TO CENTER OF PIPE. THEREFORE, DISTANCES SHOWN ON PLANS ARE APPROXIMATE AND COULD VARY DUE TO VERTICAL ALIGNMENT.
4. ALL SANITARY SEWER MAIN TESTING SHALL BE IN ACCORDANCE WITH THE YAKIMA HEALTH DISTRICT PUBLIC WORKS SPECIFICATIONS. COPIES OF ALL TEST RESULTS SHALL BE PROVIDED TO THE ENGINEER, THE OWNER, AND THE GOVERNING AUTHORITY PRIOR TO THE START OF THE WARRANTY PERIOD.
5. COMPACTION OF ALL TRENCHES WITHIN THE PROJECT SITE MUST BE ATTAINED AND COMPACTION RESULTS SUBMITTED TO THE CITY ENGINEER/ARCHITECT PRIOR TO FINAL ACCEPTANCE. COMPACTION SHALL BE 95% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D698 (STANDARD PROCTOR).
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING:
 - (A) OBTAINING ALL REQUIRED PERMITS FROM THE CITY OR REGULATORY AUTHORITIES AT THE CONTRACTOR'S COST INCLUDING PERMITS REQUIRED FOR WORK WITHIN THE PUBLIC RIGHT OF WAY.
 - (B) RESTORATION OF ANY EXISTING IMPROVEMENTS INCLUDING (BUT NOT LIMITED TO) FENCES, SOD, LANDSCAPING, PAVEMENT, AND SPRINKLER SYSTEMS.
 - (C) VERIFICATION AND PROTECTION OF ALL EXISTING UTILITIES WITHIN THE LIMITS OF CONSTRUCTION.
 - (D) PROVIDING AS-BUILT DRAWINGS TO THE CITY AND ENGINEER.
 - (E) ALL PERMITTING, DEVELOPMENT, LOCATION, CONNECTION, AND INSPECTION.
 - (F) OBTAINING AND UNDERSTANDING ALL CITY AND STATE STANDARDS AND SPECIFICATIONS PERTAINING TO THE CONSTRUCTION OF SANITARY SEWER IMPROVEMENTS.

GENERAL PROJECT NOTES

1. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF SITE IMPROVEMENTS SHALL MEET OR EXCEED THE OWNER'S SITE WORK STANDARDS AND THE STANDARDS AND APPLICABLE STATE AND FEDERAL REGULATION. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE HIGHER QUALITY STANDARD SHALL APPLY.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL APPLICABLE AGENCIES.
3. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS, AND A COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB, ON-SITE AT ALL TIMES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
5. IF WORKERS ENTER ANY TRENCH OR OTHER EXCAVATION FOUR FEET OR MORE IN DEPTH THAT DOES NOT MEET THE OPEN PIT REQUIREMENTS OF WSDOT/APWA SECTION 2-09.3(3)B, IT SHALL BE SHORED AND CRIBBED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR WORKER SAFETY AND THE ENGINEER ASSUMES NO RESPONSIBILITY. ALL TRENCH SAFETY SYSTEMS SHALL MEET THE REQUIREMENTS OF THE WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT, CHAPTER 49.17 RCW.
6. IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED BY THE CONTRACTOR, HIS SUBCONTRACTORS, OR OTHER AFFECTED PARTIES, WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.
7. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THIS CONTRACT. ALL SECTIONS OF THE WSDOT/APWA STANDARD SPECIFICATIONS SECTION 1-10, TEMPORARY TRAFFIC CONTROL, SHALL APPLY IF WORK WITHIN THE RIGHT OF WAY WILL INTERRUPT NORMAL TRAFFIC OPERATION.
9. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED, CONSTRUCTED, REMOVED, AND RELOCATED UNLESS SPECIFICALLY NOTED OTHERWISE.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING AS-BUILT INFORMATION ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE, AND AVAILABLE TO THE ENGINEER AT ALL TIMES. THE CONTRACTOR SHALL DELIVER THESE DRAWINGS TO THE ENGINEER AT THE COMPLETION OF THE WORK.
12. DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. IF PERTINENT DIMENSIONS ARE NOT SHOWN, CONTACT THE ENGINEER FOR CLARIFICATION, AND ANNOTATE THE DIMENSION ON THE AS-BUILT RECORD DRAWINGS.
13. ALL STRUCTURAL EROSION CONTROL MEASURES SHALL BE INSTALLED, AT THE LIMITS OF CONSTRUCTION, PRIOR TO ANY OTHER GROUND-DISTURBING ACTIVITY. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR, UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS ARE STABILIZED WITH HARD SURFACE OR LANDSCAPING.
14. THE CONTRACTOR SHALL SEQUENCE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, STORM SEWER AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF WATER LINES AND DRY UTILITIES.

GENERAL NOTES



1. THE CONTRACTOR IS ADVISED THAT THE LOCATION AND OR ELEVATIONS OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE BASED UPON UTILITY INFORMATION OF RECORD AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. SEE ORIGINAL DESIGN PLANS, AS-BUILTS AND TOPOGRAPHY AS PREPARED BY WHITE SHIELD INC.
2. STATE LAW REQUIRES THAT ALL EXCAVATION WORK MUST BE PRECEDED BY NOTIFICATION TO ALL OWNERS OF UNDERGROUND FACILITIES THROUGH A ONE NUMBER LOCATOR SERVICE: 1-800-553-4344.
3. THE CONTRACTOR IS CAUTIONED TO VERIFY THE LOCATION AND DEPTH OF ALL UNDERGROUND UTILITY CONNECTION POINTS AND UTILITY CROSSINGS. FIELD VERIFY DEPTHS BY POTHOLING PRIOR TO BEGINNING ANY NEW CONSTRUCTION TO ALLOW FOR ADJUSTMENT IN GRADE OR ALIGNMENT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR POTHOLING OR ADJUSTMENT OF GRADES. NOTIFY THE ENGINEER IMMEDIATELY IF CONDITIONS ARE OTHER THAN EXPECTED.
4. ALL SITE UTILITY CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION AS PUBLISHED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) AND THE AMERICAN PUBLIC WORKS ASSOCIATION (APWA).
5. THE CONTRACTOR SHALL REMOVE ALL DEBRIS FROM THE SITE. NO BURNING WILL BE ALLOWED. THE CONTRACTOR SHALL BE REQUIRED TO SECURE AND OPERATE HIS OWN WASTE DISPOSAL AT HIS OWN EXPENSE FOR THE DISPOSAL OF ALL UNSUITABLE MATERIAL AND ANY OTHER OBJECTIONABLE MATERIAL WHICH IS DIRECTED TO WASTE. THE CONTRACTOR SHALL COMPLY WITH THE STATE OF WASHINGTON REGULATIONS REGARDING DISPOSAL OF WASTE MATERIAL AS OUTLINED IN WAC 173-350.
6. AT ALL TIMES DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING ON-SITE EROSION DUE TO WIND AND RUNOFF.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE REGULATIONS OF THE YAKIMA COUNTY CLEAN AIR AUTHORITY. A METHOD OF DUST CONTROL DURING CONSTRUCTION SHALL BE SUBMITTED TO AND APPROVED BY THE YAKIMA COUNTY CLEAN AIR AUTHORITY. A WRITTEN COPY OF THEIR APPROVAL SHALL BE PROVIDED TO THE DEVELOPER. THE CONTRACTOR SHALL DESIGNATE A PROJECT COORDINATOR FOR CONTACT DURING CONSTRUCTION REGARDING ALLEGED AIR QUALITY VIOLATIONS AND OTHER COMPLAINTS.
8. THE YAKIMA COUNTY AND YAKIMA HEALTH DISTRICT INSPECTOR IS THE FINAL AUTHORITY ON THE BACKFILLING OF ALL TRENCHES AND SYSTEM OPERATION.

GENERAL UTILITY NOTES

3. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICE.
2. UNDERGROUND UTILITIES SHALL BE INSTALLED, INSPECTED, AND APPROVED BEFORE BACKFILLING.
3. CONTRACTOR SHALL NOTIFY YAKIMA COUNTY ENGINEERING INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING UTILITY.
4. ALL FILL MATERIAL IS TO BE IN PLACE, AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
5. IN THE EVENT OF A VERTICAL CONFLICT BETWEEN WATER LINES, SANITARY LINES, STORM LINES AND GAS LINES (EXISTING AND PROPOSED), THE SANITARY LINE SHALL BE DUCTILE IRON PIPE WITH MECHANICAL JOINTS AT LEAST 10 FEET ON BOTH SIDES OF CROSSING. THE WATER LINE SHALL HAVE MECHANICAL JOINTS WITH APPROPRIATE THRUST BLOCKING AS REQUIRED TO PROVIDE A MINIMUM OF 18 INCH CLEARANCE, MEETING REQUIREMENTS OF ANSI A21.10 OR ANSI 21.11 (AWWA C-151) (CLASS 50).
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING AS-BUILT INFORMATION ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE, AND AVAILABLE TO YAKIMA COUNTY INSPECTOR AT ALL TIMES. THE CONTRACTOR SHALL DELIVER THESE DRAWINGS TO THE ENGINEER AT THE COMPLETION OF THE WORK.
7. DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. IF PERTINENT DIMENSIONS ARE NOT SHOWN, CONTACT THE ENGINEER FOR CLARIFICATION, AND ANNOTATE THE DIMENSION ON THE AS-BUILT RECORD DRAWINGS.
8. THE CONTRACTOR SHALL SEQUENCE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, STORM SEWER AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF WATER LINES AND DRY UTILITIES.
9. ALL WORK WITHIN THE PUBLIC RIGHT OF WAY IS SUBJECT TO THE JURISDICTION OF YAKIMA COUNTY ENGINEERING DEPARTMENT STANDARD DETAILS AND SPECIFICATIONS.
10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL UTILITY RELOCATIONS CONSISTENT WITH THE CONTRACTOR'S SCHEDULE FOR THIS PROJECT, WHETHER SHOWN OR NOT SHOWN, AS IT RELATES TO THE CONSTRUCTION ACTIVITIES WITHIN THESE PLANS.

GENERAL CONSTRUCTION NOTES

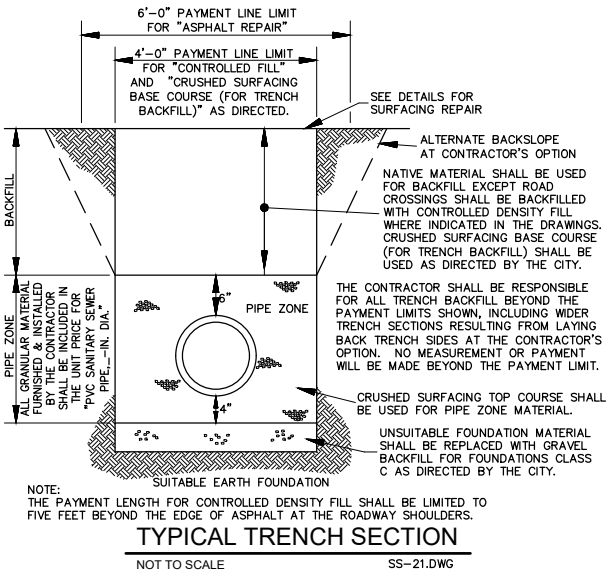
1. SYSTEM DESIGN INFORMATION: DESIGN DAILY FLOWRATE: 2,880 GPD (24 BEDROOMS X 250 GPD/BEDROOM)
B. SEPTIC TANK CAPACITY: 6,000 GAL
C. SOIL TYPE: 0'-0" - 5'-0", LOAMY FINE SAND
D. MAXIMUM APPLICATION RATE: 0.8 GPD/EMITTER
E. REQUIRED DRAINFIELD AREA: 7,200 SF (2,400 SF/ZONE)
F. MINIMUM DOSE FREQUENCY: 36/DAY (12 PER ZONE)
G. DOSE VOLUME: 80 GAL (960 GAL/ZONE/DAY)
H. ELEVATION GAIN: 15 FEET
I. RESIDUAL HEAD: 5 FEET
J. TOTAL DYNAMIC HEAD: 115 FEET
K. PUMP FLOW RATE: 30 GPM AT 120 FEET
L. PUMP RUN TIME: 6.5 MIN./DOSE
M. PUMP OFF TIME: 1 HOURS 53 MINUTES
N. TRANSPORT PIPE SIZE: 2" SCH 40 PVC
O. TRANSPORT PIPE LENGTH: 2000 FEET
P. MANIFOLD PIPE SIZE: 2" SCH 40 PVC
Q. MANIFOLD PIPE LENGTH: 80 FEET
R. MANIFOLD TYPE: END
S. LATERAL PIPE SIZE: NETAFIN BIOLINE DRIPPERLINE
T. LATERAL PIPE LENGTH: 130 FEET
U. NUMBER OF LATERALS: 27, 9 PER ZONE
V. LATERAL SEPERATION: 2 FEET
W. EMITTERS/SPACING: 1200 PER ZONES AT 1 FT SPACING
X. PERMITTING AUTHORITY: YAKIMA HEALTH DISTRICT
2. INSTALL ON-SITE SEWAGE SYSTEM COMPONENTS AND EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS AND THE REQUIREMENTS OF THE PERMITTING AUTHORITY AND OBTAIN REQUIRED INSPECTIONS. PERFORM SQUIRT TEST OF DOSING SYSTEM. SQUIRT HEIGHT DIFFERENCE SHALL NOT EXCEED 21% (10% FLOW DIFFERENCE) BETWEEN ORIFICES ON ANY ONE LATERAL AND SHALL NOT EXCEED 32% (15% FLOW DIFFERENCE) OVER ENTIRE SYSTEM. OPERATE PUMP THROUGH COMPLETE CYCLE, INCLUDING LOW WATER PUMP OFF, ADJUST FLOAT SWITCHES SO PUMP OPERATING CYCLE PROVIDES REQUIRED DOSE VOLUME. VERIFY ALARMS ARE FUNCTIONING PROPERLY.
3. SEPTIC TANK SHALL BE A SINGLE-COMPARTMENT PRECAST CONCRETE TANK HAVING A MINIMUM CAPACITY AS INDICATED. PROVIDE A 20-INCH DIAMETER ACCESS OPENINGS FOR EACH COMPARTMENT. PROVIDE WITH 24-INCH DIAMETER RISERS TO GRADE WITH GASKETED LIDS. SEPTIC TANK MODEL SHALL BE ON THE APPROVED LIST OF MANUFACTURERS ALLOWED BY THE PERMITTING AUTHORITY.
3. EFFLUENT FILTER SHALL BE SUITABLE FOR INSTALLATION IN SEPTIC TANK OUTLET BAFFLE, REMOVABLE, WITH 1/16-INCH MESH SCREEN. EFFLUENT FILTER SHALL BE CONFIGURED TO DRAW LIQUID FROM CLEAR ZONE OF SEPTIC TANK. ORENCO 8-INCH FTP0854-36 OR EQUIVALENT.
5. PUMP CHAMBER/STORAGE TANK SHALL BE SINGLE-COMPARTMENT PRECAST CONCRETE TANK HAVING A MINIMUM CAPACITY SUFFICIENT TO PROVIDE THE DESIGN DAILY FLOWRATE, A DEADSPACE BELOW THE PUMP INLET FOR SLUDGE ACCUMULATION, SUFFICIENT DEPTH TO PROVIDE FULL TIME PUMP SUBMERGED AND EMERGENCY STORAGE VOLUME OF AT LEAST 75% OF THE DESIGN DAILY FLOWRATE. PROVIDE 24-INCH DIAMETER ACCESS RISER TO GRADE WITH GASKETED LID. PUMP CHAMBER MODEL SHALL BE ON THE APPROVED LIST OF MANUFACTURERS ALLOWED BY THE PERMITTING AUTHORITY.
6. EFFLUENT PUMP SHALL BE STAINLESS STEEL SUBMERSIBLE TURBINE TYPE WITH 3450 RPM OIL-FILLED HERMETICALLY SEALED MOTOR WITH AUTOMATIC RESET THERMAL OVERLOAD PROTECTION, UL LISTED POWER CORD. 230 VAC, 3/4 HP. ORENCO MODEL PF5007 OR EQUIVALENT, WITH POLYETHYLENE PUMP VAULT WITH EXTERNAL FLOW INDUCER AND FILTER CARTRIDGE, ORENCO MODEL PVU84-2419, OR EQUIVALENT.
7. EFFLUENT PUMP CONTROLLER SHALL BE A DUPLEX PUMP CONTROL WITH DOSING TIMER. COMPONENTS SHALL BE HOUSED IN A NEMA 4 STEEL ENCLOSURE. COMPONENTS SHALL INCLUDE LOGIC CONTROLLER WITH ELAPSED TIME METERS AND CYCLE COUNTERS INTERNAL, HOA SWITCH, PUMP RUN LIGHT, AUDIBLE ALARM WITH SILENCE SWITCH/AUTOMATIC RESET, LEVEL ALARM LIGHT, AND NON-INTRINSICALLY SAFE RELAYS WITH HIGH LEVEL ALARM/LAG PUMP ENABLE, TIMER ON/OFF AND REDUNDANT PUMP OFF/LOW LEVEL ALARM (NO OVERRIDE TIMER ON/OFF) FLOAT FUNCTIONS. PUMP CONTROLLER SHALL BE UL 508 AND UL 98(A) LISTED ORENCO MODEL MVP-S1/2-IR-DM WITH SB SPLICE BOX, YRW FLOAT CONFIGURATION. PROVIDE A 20A, 2P CIRCUIT FROM PANELBOARD TO PUMP AND SEPARATE 20A, 1P CIRCUIT TO CONTROLS FROM MAIN PANELBOARD. IDENTIFY CIRCUIT ON CIRCUIT DIRECTORY. ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE. PUMP CHAMBER VAPOR SPACE IS DESIGNATED CLASS I, DIVISION I. ROUTE NON-INTRINSICALLY SAFE WIRING (PUMP MOTOR) FROM CONTROL PANEL IN SEPARATE CONDUIT FROM NON-INTRINSICALLY SAFE WIRING (FLOATS). PROVIDE CONDUIT SEAL FITTING IN ACCESSIBLE LOCATION ABOVE GROUND.
8. GEOTEXTILE FABRIC SHALL BE NON-WOVEN SPUNBONDED POLYESTER OR POLYPROPYLENE FABRIC, MAXIMUM UNIT WEIGHT 3 OUNCES PER SQUARE YARD.
9. SAND FILTER MEDIA SHALL BE MINERAL SAND MEETING THE REQUIREMENTS OF ASTM C33.
10. DISTRIBUTING VALVE SHALL BE A MECHANICALLY OPERATE MULTI-OUTLET ASSEMBLY TO SEQUENTIALLY REDIRECT EFFLUENT FLOW TO MULTIPLE ZONES OF THE DISPOSAL FIELD. VALVE ACTUATION SHALL BE ACCOMPLISHED BY A COMBINATION OF PRESSURE AND FLOW. ORENCO V6402 SERIES OR EQUIVALENT.
11. PERFORM IN-PLACE WATER FOR SITE ASSEMBLED TANKS. FILL TANKS WITH WATER TO INSIDE LEVEL OF TANK LIDS. LET STAND FOR 24 HOURS AND OBSERVE FOR REDUCTION IN WATER LEVEL OR VISIBLE INDICATION OF LEAKS. REPAIR LEAKS AND RETEST AS NECESSARY.

 <div>2803 River Road Yakima, WA 98902 509.966.7000 Fax 509.965.3800 www.hlacivil.com</div>				JOB NUMBER: 18118	DATE: 3-15-21	SCENIC RANCH, LLC CANYON VIEW ESTATES SEPTIC SYSTEM LOTS 7,8,11,12, AND 16	SHEET 2 OF 9
				FILE NAMES: DRAWING: 18118.dwg PLAN: LOTS 7,8,11,12,16.dwg			
		REVISION	DATE	DESIGNED BY: MRH ENTERED BY: MDH			

SEE SHEET SHEET 5 FOR CONTINUATION

SEWER SYSTEM NOTES

- (N1) SUBSURFACE NETA-FIM DRIP SYSTEM LATERALS 2 FEET ON CENTER WITH EMITTERS SPACED AT 1 FOOT ON CENTER. 3,450 TOTAL - 0.61 EMITTERS. 27 LATERALS, 9 LATERALS PER ZONE, 130' PER LATERAL 1,150 EMITTERS PER ZONE
- (N2) 2" DIA. PVC TRANSPORT LINE SCHEDULE 40 PVC, 30" MINIMUM COVER.
- (N3) 2" DIA. PVC FLUSH RETURN LINE, SCHEDULE 40 PVC, 30" MINIMUM COVER.
- (N4) CONSTRUCT (1) 1,500 AND (2) 1,000 GALLON PUMP CHAMBERS.
 - NON TRAFFIC RATED TANK, LIDS, AND ACCESS RISERS.
 - ACCESS RISERS AND SECURED LIDS REQUIRED TO FINISH GRADE.
 - 5' MINIMUM FROM BUILDING.
- (N5) CONSTRUCT (2) 3,000 GALLON SEPTIC TANKS.
 - NON TRAFFIC RATED TANK, LIDS, AND ACCESS RISERS.
 - ACCESS RISERS AND SECURED LIDS REQUIRED TO FINISH GRADE.
 - 5' MINIMUM FROM BUILDING.
- (N6) CONSTRUCT 2" DIA. SUPPLY MANIFOLD, SCHEDULE 40 PVC, 30" MINIMUM COVER.
- (N7) CONSTRUCT 2" DIA. COLLECTION MANIFOLD, SCHEDULE 40 PVC, 30" MINIMUM COVER.
- (N8) ORENCO V6403 DISTRIBUTION VALVE OR EQUAL, PLACE AT HIGH POINT OF SYSTEM ABOVE DRAINFIELD.
- (N9) CONSTRUCT ORENCO ARV21 RELEASE VALVE AND TRANSITION PIPE FROM 2" TO PIPE.
- (N10) CONSTRUCT CONTINUOUS FLUSH HEADWORKS PER DETAIL 6 ON SHEET 9.
- (N11) CONSTRUCT 2" CHECK VALVE IN VALVE BOX ON EACH DISCHARGE MANIFOLD.
- (N12) CONSTRUCT 6" SANITARY SEWER CLEANOUT PER 2 ON SHEET 9.
- (N13) CONSTRUCT 6" ASTM D-3034 PVC SEWER PIPE AT 1% MIN SLOPE., 36" MIN COVER.
- (N14) CONSTRUCT 4" ASTM D-3034 SEWER PIPE 2%, MIN 24" COVER.



LOT 13
1.30± ACRES

LOT 12
0.91± ACRES

LOT 7
0.90± ACRES

LOT 8
0.92± ACRES



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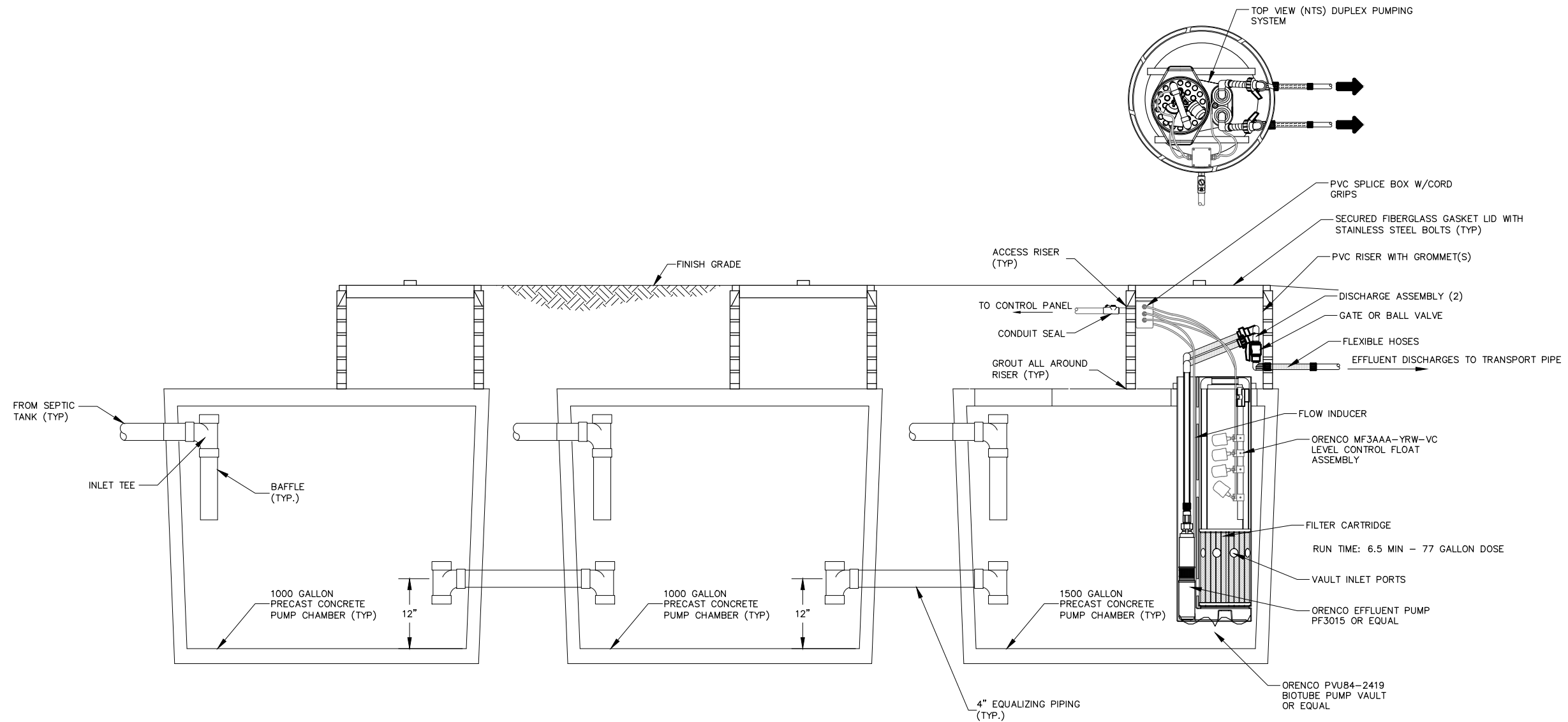


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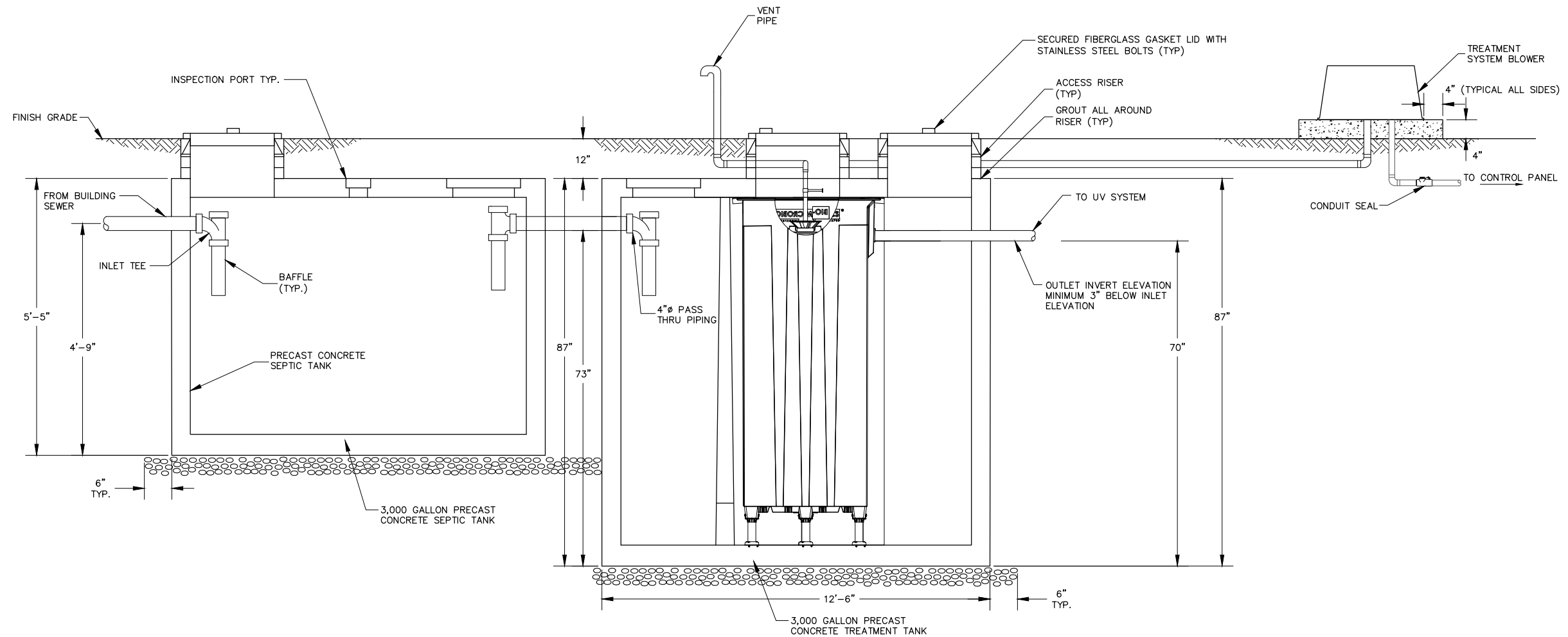
SCENIC RANCH, LLC
CANYON VIEW ESTATES SEPTIC
SYSTEM LOTS 7,8,11,12, AND 16

SITE PLAN

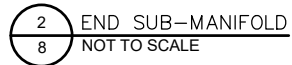
SHEET
4
OF
9



1 PUMP CHAMBER SECTION
6 NOT TO SCALE



1 3,000 GALLON SEPTIC AND TREATMENT TANKS
7 NOT TO SCALE



(N1) SUBSURFACE NETAFIM DRIP SYSTEM LATERALS 2 FEET ON CENTER WITH EMITTERS SPACED AT 1 FOOT ON CENTER. 3,450 TOTAL - 0.61 EMITTERS. 27 LATERALS, 9 LATERALS PER ZONE, 130' PER LATERAL 1,150 EMITTERS PER ZONE

(N2) 2" DIA. PVC TRANSPORT LINE SCHEDULE 40 PVC, 30" MINIMUM COVER.

(N3) 2" DIA. PVC FLUSH RETURN LINE, SCHEDULE 40 PVC, 30" MINIMUM COVER.

(N4) CONSTRUCT (1) 1,500 AND (2) 1,000 GALLON PUMP CHAMBERS.
- NON TRAFFIC RATED TANK, LIDS, AND ACCESS RISERS.
- ACCESS RISERS AND SECURED LIDS REQUIRED TO FINISH GRADE.
- 5' MINIMUM FROM BUILDING.

(N5) CONSTRUCT (1) 3,000 GALLON SEPTIC TANK.
- NON TRAFFIC RATED TANK, LIDS, AND ACCESS RISERS.
- ACCESS RISERS AND SECURED LIDS REQUIRED TO FINISH GRADE.
- 5' MINIMUM FROM BUILDING.
PER DETAIL 1 ON SHEET 7.

(N6) CONSTRUCT 2" DIA. SUPPLY MANIFOLD, SCHEDULE 40 PVC, 30" MINIMUM COVER.

(N7) CONSTRUCT 2" DIA. COLLECTION MANIFOLD, SCHEDULE 40 PVC, 30" MINIMUM COVER.

(N8) ORENCO V6403 DISTRIBUTION VALVE OR EQUAL PLACE AT HIGH POINT OF SYSTEM ABOVE DRAINFIELD.

(N9) CONSTRUCT ORENCO ARV21 RELEASE VALVE AND TRANSITION PIPE FROM 2" TO PIPE.

(N10) CONSTRUCT CONTINUOUS FLUSH HEADWORKS PER DETAIL 6 ON SHEET 9.

(N11) CONSTRUCT 2" CHECK VALVE IN VALVE BOX ON EACH DISCHARGE MANIFOLD.

(N12) CONSTRUCT 6" SANITARY SEWER CLEANOUT PER 2 ON SHEET 9.

(N13) CONSTRUCT 6" ASTM D-3034 PVC SEWER PIPE AT 1% MIN SLOPE., 36" MIN COVER.

(N14) CONSTRUCT 4" ASTM D-3034 SEWER PIPE 2%, MIN 24" COVER.

(N15) CONSTRUCT (1) 3,000 GALLON TREATMENT TANK.
- NON TRAFFIC RATED TANK, LIDS, AND ACCESS RISERS.
- ACCESS RISERS AND SECURED LIDS REQUIRED TO FINISH GRADE.
AS MANUFACTURED BY CUZ CONCRETE. MICROFAST 3.0 F SYSTEM MANUFACTURED BY BIOMICROBICS TO BE SUPPLIED AND INSTALLED IN TREATMENT TANK (REFER TO MANUFACTURES DRAWINGS AND DETAILS). SYSTEM DESIGNED TO ACHIEVE TREATMENT LEVEL A. PER DETAIL 1 ON SHEET 7.

(N16) TREATMENT SYSTEM BLOWER SUPPLIED WITH TREATMENT SYSTEM. INSTALL ON 4" CONCRETE PAD ON GRADE PER DETAIL 1 ON SHEET 7.

(N17) SUPPLY AND INSTALL UV-DISINFECTION SYSTEM AS MANUFACTURED BY SALCOR, MODEL 3G IN DISCHARGE OF TREATMENT TANK PRIOR TO PUMP TANKS 1 ON SHEET 6. INSTALL UV CONTROL PANEL ON TREATMENT SYSTEM BACKPLATE POWER AND CONTROL CABELS TO BE INSTALLED IN BURIED CONDUITS TO PANEL PER APPLICABLE ELECTRICAL CODES.

(N18) TREATMENT SYSTEM CONTROL PANELS MOUNTED ON STAND AND BACKPLATE FOR BLOWERS, UV-SYSTEM, AND FOR PUMPS.



		JOB NUMBER:	DATE:
		18118	3-15-21
		FILE NAMES:	
		DRAWING: 18118.dwg	
		PLAN:	
		LOTS 7,8,11,12,16.dwg	
		DESIGNED BY:	MRI
REVISION	DATE	ENTERED BY:	MDI

SCENIC RANCH, LLC
CANYON VIEW ESTATES SEPTIC
SYSTEM LOTS 7,8,11,12, AND 16

DETAILS

SHEET
8
OF
9

