GENERAL SPECIFICATIONS:

- ALL CONSTRUCTION WORK AND INSTALLATION METHODS AND PRACTICES SHALL BE IN ACCORDANCE WITH ALL MANUFACTURERS INSTRUCTIONS, AND THE NSE ON-SITE SEWAGE DISPOSAL SYSTEMS STANDARD OR AS DIRECTED BY THE ENGINEER.
- ALL ELECTRICAL WORK SHALL BE INSTALLED ACCORDING TO ALL APPLICABLE ELECTRICAL CODES AND CARRIED OUT AND CERTIFIED IN WRITING BY A LICENSED ELECTRICIAN.
- PROPERTY BOUNDARIES SHOWN ARE ONLY APPROXIMATE AND SHALL BE VERIFIED ON SITE BY THE CONTRACTOR AS REQUIRED PRIOR TO CONSTRUCTION.
- ANY ERRORS OR OMISSIONS FOUND IN THESE PLANS AND SPECIFICATION SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
- UNSUITABLE SOIL CONDITIONS ENCOUNTERED DURING CONSTRUCTION MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND ADDITIONAL GRAVEL BEDDING MAY BE REQUIRED.
- ALL STRUCTURES, TANKS, PIPES, MATERIALS AND DEVICES SHALL BE INSTALLED AS SHOWN ON THESE PLANS OR AS PER THE ON-SITE SEWAGE DISPOSAL SYSTEMS STANDARD OR AS DIRECTED BY THE ENGINEER.

PIPING:

- ALL BUILDING SEWER GRAVITY PIPE TO BE 100mm DIAMETER PVC SDR 35 (CSA-B137.0-02 OR CSA B-182.1) WITH MINIMUM 2% SLOPE.
- ALL GRAVITY DISTRIBUTION PIPES SHALL HAVE A MINIMUM SLOPE OF 50-100mm PER 30 METERS OF LENGTH, AND CONFORM TO CSA B-182.1 WITH HOLE SPACING AS SHOWN IN DIAGRAM 3D OF NSE ON-SITE SEWAGE DISPOSAL SYSTEMS STANDARD.
- UNLESS OTHERWISE SPECIFIED ALL PRESSURIZED DISTRIBUTION PIPE SHALL HAVE NO SLOPE AND IS TO BE 50mm SOLID PIPE WITH FIELD DRILLED HOLES UNLESS OTHERWISE SPECIFIED.
- UNLESS OTHERWISE SPECIFIED PRESSURIZED DISTRIBUTION PIPE HOLES SHALL BE FIELD DRILLED 11mm DIAMETER AND SPACED AT 1.0m OVER THE LENGTH OF THE PIPE OR AS PROVIDED BY THE ENGINEER.
- ALL PUMP SYSTEMS SHALL BE CONNECTED TO THE DISPOSAL FIELD BY A "SIPHON BREAKER".
- ALL PIPE TO PIPE AND PIPE TO STRUCTURE CONNECTIONS TO BE SECURELY FITTED OR GLUED TO PROVIDE A WATERTIGHT SEAL.

SUB-DRAIN AND INTERCEPTOR TRENCH SPECIFICATIONS:

- SWALE DITCH SHALL HAVE MINIMUM 2% SLOPE AND BE CONSTRUCTED TO CREATE POSITIVE DRAINAGE AWAY FROM THE DISPOSAL FIELD.
- SUB-DRAIN PIPE TO BE FLEXIBLE PLASTIC 4" PERFORATED BIG-O OR EQUIVALENT.
- SUB-DRAIN TRENCH DEPTH TO BE DETERMINED BY THE ENGINEER DURING CONSTRUCTION.
- SUB-DRAIN PIPE TO HAVE MINIMUM 2% POSITIVE SLOPE.
- SUB-DRAIN TRENCH TO BE FILLED WITH Ø25mm CLEAR STONE.
- SUB-DRAIN TRENCH TO BE COVERED WITH GEOTEXTILE FABRIC.

PUMP AND EFFLUENT FORCE MAIN SPECIFICATIONS (WHERE INCLUDED IN SYSTEM DESIGN):

- ALL FORCE MAIN PIPE TO BE CONTINUOUS LENGTH.
- ALL FORCE MAIN PIPE TO HAVE MINIMUM 100mm SAND BEDDING.
- ALL PIPE SHALL HAVE A MINIMUM GROUND COVER OF 450mm.
- PUMP CHAMBER SHALL BE FITTED WITH EFFLUENT PUMP.
- PUMP SHALL BE SET UP TO PROVIDE DOSE VOLUME PER THE PUMP CHAMBER DETAIL SHEET OF THIS PACKAGE.
- PUMP SHALL BE EQUIPPED WITH A HIGH LEVEL ALARM PROVIDING AUDIBLE AND VISUAL ALERT WITHIN THE FACILITY.
- EFFLUENT PUMP IS TO MEET OR EXCEED FLOW SPECIFICATIONS WITH HIGH LEVEL ALARM AS APPROVED BY THE ENGINEER.
- PUMP ELECTRICAL PANEL TO BE RATED FOR THIS APPLICATION.
- ELECTRICAL JUNCTION BOX TO BE WATERPROOF AND LOCATED 1.0m ABOVE GROUND, MOUNTED ON 4X4 PT WOOD POST.
- ALL ELECTRICAL WIRING TO BE CONTAINED IN WATERPROOF CONDUIT.
- FORCE MAIN PIPING BURIED UNDER ROADWAYS SHALL BE PROTECTED BY SECONDARY ENCLOSURE TO PREVENT CRUSHING.

SPECIAL NOTES:

- BACKFILL AGAINST FOUNDATION TO BE GRADED TO SLOPE AWAY FROM DISPOSAL FIELD.
- ALL ROOF DRAINS TO DISCHARGE AWAY FROM DISPOSAL FIELD.
- PROPOSED DRIVEWAYS SHOWN ARE FOR REFERENCE ONLY. ACTUAL DRIVEWAY LOCATION IS BY OTHERS, RECEIVING APPROVAL FROM NSTIR AND IN ACCORDANCE WITH ANY AND ALL APPLICABLE PROVINCIAL, MUNICIPAL AND LOCAL BYLAWS.

EXISTING DISPOSAL FIELD: (IF APPLICABLE)

- EXISTING GROUND MATERIAL SHALL BE EXCAVATED TO A DEPTH AS DIRECTED BY THE ENGINEER.

EXISTING SEPTIC TANK: (IF APPLICABLE)

- WHERE A SEPTIC TANK IS EXISTING, AND NOT BEING REUSED, THE TANK SHALL BE DECOMMISSIONED AS DIRECTED BY THE ENGINEER.

LAUNDRY FACILITY SPECIFICATIONS:

- IT IS RECOMMENDED THAT ALL WASHING MACHINES HAVE A LINT FILTER ATTACHED TO THE OUTLET PIPE AS SPECIFIED HEREIN.

IMPORTED FILTER SAND SPECIFICATIONS:

- CONTRACTOR SHALL PROVIDE THE SOURCE OF IMPORTED FILTER SAND AND RECENT PERTINENT PERMEABILITY TEST RESULTS IN WRITING TO THE ENGINEER PRIOR TO SHIPPING ANY MATERIAL.
- THE ENGINEER RESERVES THE RIGHT TO TEST ALL IMPORTED SAND PRIOR TO INSTALLATION.
- THE ENGINEER RESERVES THE RIGHT TO TEST ALL IMPORTED SAND AFTER SAND INSTALLATION AND PRIOR TO ANY OTHER WORK. APPROVAL OF IMPORTED SAND WILL BE BASED ON IN-PLACE FIELD TESTS TAKEN AFTER INSTALLATION.
- ANY SAND INSTALLED WITHOUT PRIOR APPROVAL BY THE ENGINEER MAY NOT BE ACCEPTED AND MAY BE REQUIRED TO BE REMOVED.

SEPTIC TANK/ PUMP CHAMBER:

- SEPTIC AND HOLDING TANKS MUST CONFORM TO A STANDARD CAN/CSA-B66.
- ACCEPTABLE MATERIALS ARE REINFORCED CONCRETE, FIBERGLASS OR POLYETHYLENE.
- CONCRETE MINIMUM STRENGTH: 4000 PSI (28 MPA) AT 28 DAYS.
- AIR ENTRAINING: 5-7%, STRUCTURAL FIBER REINFORCEMENT.
- CONSTRUCTION JOINTS TO BE SEALED WITH BUTYL ROPE OR EQUIVALENT.
- MAXIMUM BURY: 5 FEET (1.5 METERS) OR AS SPECIFIED BY THE MANUFACTURER,
- ALL TANKS, RISERS, AND COVERS MUST BE WATERTIGHT.
- ALL TANKS MUST BE ASSEMBLED AND INSTALLED AS PER MANUFACTURERS INSTRUCTIONS.
- TANKS MUST INCLUDE A WATERTIGHT ACCESS FOR MAINTENANCE, INSPECTION AND PUMP OUT.
- ALL ACCESS HATCHES SHALL BE EQUIPPED WITH A SECONDARY SAFETY SCREEN.
- EFFLUENT FILTERS MUST BE INSTALLED AT EXIT T-HOUSING OF ALL SEPTIC TANKS.
- TANKS TO HAVE WATER TIGHT RISERS INSTALLED. ALL RISERS TO BE AT GRADE MINIMUM. AREA AROUND RISER TO BE GRADED TO DIVERT SURFACE DRAINAGE.
- ALL TANK STRUCTURES TO HAVE MINIMUM 150mm COMPACTED DEPTH OF 25mm DIA. CRUSHER RUN GRAVEL OR 25mm DIA. CLEAR CRUSHED STONE BEDDING.

TOPSOIL, SEED AND SOD:

- ALL DISTURBED GROUND TO BE COVERED WITH A MINIMUM 100MM OF TOPSOIL, UNLESS OTHERWISE APPROVED BY THE ENGINEER, AND SEEDED OR COVERED WITH SOD.
- PRIOR TO PLACEMENT OF TOPSOIL, MATERIAL LARGER THAN 200MM IN DIAMETER MUST BE REMOVED FROM THE DISTURBED SURFACE.
- SHOULD SEASONAL CONDITIONS PROHIBIT THE PLACEMENT OF SEED OR SOD. ALL DISTURBED GROUND SHALL BE COVERED WITH STRAW OR MULCH OR OTHER MATERIAL TO PREVENT EROSION UNTIL SUCH A TIME THAT SEEDING OR SOD MAY BE PLACED.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLETE SEEDING OR SODDING WHEN SEASONAL CONDITIONS PERMIT.
- IT IS RECOMMENDED THAT MULCH OR STRAW BE PLACED AFTER SEEDING TO PROMOTE GROWTH.

INSPECTIONS:

THE ENGINEER MAY INSPECT ALL PHASES OF THE WORK INCLUDING THE FOLLOWING:

- EXISTING SITE PRIOR TO START OF ANY CONSTRUCTION TO VERIFY LOCATION OF DISPOSAL FIELD.
- PRIOR TO PLACEMENT OF SAND FILL - AFTER SITE PREPARATION AND GRUBBING.
- PRIOR TO COVERING DISTRIBUTION PIPE WITH GRAVEL.
- PUMPED SYSTEMS MUST BE PRESSURE TESTED WITH WATER PRIOR TO COVERING DISPOSAL FIELD.
- AFTER TOPSOIL INSTALLED.
- AFTER INTERIM SOIL STABILIZATION.
- AFTER GRASS HAS ROOTED.
- FINAL APPROVAL WILL NOT BE GRANTED UNTIL FINISHED GRADE SURFACE HAS BEEN GRADED ACCORDING TO DESIGN .

ABLE ENGINEERING | LAND SURVEYING

PROJECT

BUAWALD PROPERTIES LTD.
PARTRIDGE ISLAND
LOWER NORTHFIELD
PID: 60210010

DRAWING

NEW
ON-SITE SEWAGE
DISPOSAL SYSTEM
SPECIFICATIONS

A	REV AS PER CLIENT	08NOV2024	KO
-	REVISIONS	DATE	BY

REGISTERED PROFESSIONAL ENGINEER
PROVINCE OF NOVA SCOTIA
DATE 14 November 2024
8176

DESIGNED	DRAWN	CHECKED	DATE
ATV	KKO	ATV	22AUG2024

PROJECT NO. 240816-68

ANSI SHEET SIZE B

DRAWING NO. C-04

SHEET NO. 4 OF 4