



- OWTS GENERAL NOTES:**
- THE PROPERTY IS NOT SUBJECT TO RHODE ISLAND COASTAL RESOURCES MANAGEMENT COUNCIL REVIEW.
 - ALL PRIVATE AND PUBLIC DRINKING WATER LINES WITHIN 50 FEET OF THE PROPOSED ONSITE WASTEWATER TREATMENT SYSTEM (OWTS) ARE SHOWN, UNLESS OTHERWISE NOTED ON SITE PLAN.
 - THERE ARE NO PUBLIC SEWERS AVAILABLE TO THE PROPERTY WITHIN 200 FEET UNLESS NOTED ON SITE PLAN.
 - ALL EXISTING AND PROPOSED PRIVATE DRINKING WATER WELLS, 4' OR THERE RADI, ARE SHOWN WITHIN 200' OF THE PROPOSED OWTS COMPONENTS SHOWN ON THIS PLAN.
 - ALL EXISTING AND PROPOSED WELLS SERVING NON-POTABLE USES WITHIN 100 FEET OF THE OWTS ARE SHOWN, UNLESS OTHERWISE NOTED ON THE SITE PLAN.
 - ALL EXISTING AND PROPOSED PUBLIC DRINKING WATER WELLS WITHIN 500 FEET OF THE PROPOSED OWTS ARE SHOWN, UNLESS OTHERWISE NOTED ON THE SITE PLAN. THE CONSTRUCTION DETERMINATION OF SAID WELLS IS IDENTIFIED ON THE SITE PLAN, UNLESS OTHERWISE NOTED.
 - ALL WATERCOURSES, WETLANDS, AND DRAINS WITHIN 200 FEET OF THE PROPOSED OWTS ARE SHOWN, UNLESS OTHERWISE NOTED ON THE SITE PLAN. THE ULTIMATE DISCHARGE OF SAID DRAINS IS IDENTIFIED ON THE SITE PLAN.
 - ALL STORM AND SUBSURFACE DRAINS WITHIN 200 FEET OF THE PROPOSED OWTS ARE SHOWN, UNLESS OTHERWISE NOTED ON SITE PLAN.
 - THE OWTS IS NOT LOCATED WITHIN THE WATERSHED OF A PUBLIC WATER SUPPLY OR OTHER CRITICAL RESOURCE AREA.
 - ALL EXISTING OWTS ON ADJUTING PROPERTIES WITHIN 200 FEET OF A PROPOSED WELL TO SERVICE THE SUBJECT PROPERTY ARE IDENTIFIED ON THE SITE PLAN, UNLESS OTHERWISE NOTED.
 - IF A PROPOSED WELL IS REQUIRED TO SERVICE THE WATER REQUIREMENTS FOR THE SUBJECT PROPERTY, SAID WELL "DOES NOT" REQUIRE A VARIANCE FROM RIDEM'S RULES AND REGULATIONS GOVERNING THE ENFORCEMENT OF THE DRILLING OF DRINKING WATER WELLS.
 - OWTS DESIGN DATA:
 - 4 BEDROOM DESIGN - 115 GALLONS PER BEDROOM - TOTAL DESIGN FLOW = 460 GPD
 - BASED ON TH-2 SOIL EVALUATION, THE MOST RESTRICTIVE SOIL DESIGN CATEGORY IS 6.
 - THE SOIL APPLICATION RATE = 2.3 GAL/SQ FT/DAY
 - TOTAL REQUIRED LEACHING AREA = 200.00 SQUARE FEET
 - TOTAL PROVIDED LEACHING AREA = 227.50 SQUARE FEET
 - LEACHFIELD: 2 ROWS OF GEOMAT, 35' LONG EACH.
 - OWTS GENERAL CONSTRUCTION NOTES:
 - ALL PIPING SHALL BE 4" PVC SCH 40 OR EQUIVALENT, UNLESS OTHERWISE NOTED.
 - ALL PIPE SLOPES SHALL BE A MINIMUM OF 1% AND A MAXIMUM OF 5% UNLESS OTHERWISE NOTED.
 - THE SEPTIC TANK SHALL BE A CONCRETE TANK WITH THE CAPACITY AS STATED ON THE SITE PLAN.
 - THE SEPTIC TANK INLET SHALL EXTEND 1' BELOW THE FLOW LINE AND THE OUTLET TEE SHALL EXTEND 1/3 THE DEPTH BELOW THE FLOW LINE.
 - NOT LESS, IF REQUIRED, SHALL HAVE A MINIMUM OF 3 SQUARE FEET OF BOTTOM AREA AND BE CAPABLE OF CARRYING A MINIMUM 300 PSF LOAD WITH MINIMAL DEFLECTION.
 - LEACHFIELD STONE, IF USED, SHALL BE 3/4" TO 2" DOUBLE WASHED STONE, FREE OF ALL DEBRIS.
 - SURFACE GRADES WITHIN 5 FEET OF THE LEACHFIELD SHALL BE LOWER THAN ELEVATION 83.02'. AT THE 10 FEET DISTANCE FROM THE LEACHFIELD, THE SLOPE SHALL BE A MINIMUM OF 3% TO MATCH INTO EXISTING GRADES.
 - SIDES AND BOTTOM OF THE EXCAVATION SHALL NOT BE STRIPPED OF ALL TREES, BRUSH, STUMPS AND BouldERS. THE PLACEMENT TO A MINIMUM DEPTH OF 60 CM.
 - REFER TO THE SITE PLAN FOR LEACHFIELD STRIP REQUIREMENTS.
 - THE FINISH GRADE OVER THE SEPTIC TANK SHALL BE GRADED TO DIVERT SURFACE WATER RUNOFF AWAY FROM THE TANK.
 - IF A DRIVEWAY OR PAVEMENT IS TO BE LOCATED NEAR THE PROPOSED OWTS, A FENCE OR CURBING SHALL BE INSTALLED AROUND THE SYSTEM IN THE AREA OF THE PAVEMENT TO PREVENT VEHICULAR TRAFFIC FROM DRIVING ONTO THE SYSTEM.
 - CONTRACTOR TO OBSERVE & CONFIRM ALL EXISTING PLUMBING WHERE ALL EXISTING PLUMBING EXISTS THE BUILDING(S), SHOWN ON THIS PLAN, PRIOR TO INSTALLING ANY OWTS COMPONENTS. NEW PLUMBING, INSIDE THE BUILDING(S) SHOWN ON THIS PLAN, MAY BE REQUIRED AS PART OF THIS OWTS INSTALLATION.
 - THIS PLAN CONFORMS TO A CLASS "II" PROPERTY LINE & A CLASS "III" TOPOGRAPHY AS ADOPTED BY THE RI BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS. THIS SURVEY IS NOT VALID FOR ANY OTHER PURPOSE, OTHER THAN SHOWN ON THIS PLAN, WITHOUT WRITTEN CONSENT.
 - GENERAL OWNER NOTES:
 - FOOD/GARBAGE GRINDERS INSIDE DWELLING AND DISPOSAL OF GREASES, OILS, AND OR FATS ARE PROHIBITED.
 - VEHICLE PARKING OR TRAFFIC OVER THE OWTS COMPONENTS IS PROHIBITED.
 - BACKWASH WATER FROM A WATER TREATMENT SYSTEM HAS NOT TAKEN INTO CONSIDERATION WITH THE DESIGN OF THIS OWTS. WATER TREATMENT SYSTEM DISCHARGE TO THIS OWTS IS PROHIBITED.
 - THE SEPTIC TANK SHALL BE PUMPED WHEN DEEPEST NECESSARY BY OPERATIONS & MAINTENANCE PERSONNEL OR LICENSED SEPTIC INSPECTOR.
 - INSTALLER TO PROVIDE DESIGNER W/ ALL COPIES OF MATERIALS PURCHASED & USED ON INSTALLING THIS OWTS PRIOR TO ISSUANCE OF CERTIFICATE OF CONSTRUCTION.
 - THERE ARE NO EXISTING OR PROPOSED SUBSURFACE DRAINS WITHIN 25' OF THE PROPOSED OWTS COMPONENTS SHOWN ON THIS PLAN. THE FULL FOUNDATION ON THIS PLAN SHALL HAVE NO SUB-SURFACE DRAINS.
 - THE PROPOSED STORMWATER MANAGEMENT PRACTICES SHOWN ON THIS PLAN WERE DESIGNED AS FOLLOWS:
RAIN GARDEN DESIGN DATA - MAXIMUM OF 1,040 SQ. FT. OF ROOFLINE IS PROPOSED, USING TABLES 10 & 11 FROM THE RIDM MANUAL. 4 DESIGNING ON SANDY SOILS, PROVIDE A TOTAL INFILTRATION AREA OF 100 SQ. FT.

ATLAS LAND SURVEYING, LLC. COPYRIGHTED MATERIALS 2025

ATLAS LAND SURVEYING, LLC
PROPERTY & CONSTRUCTION SURVEYING & MAPPING

177 Burbank Drive ~ Warwick, RI 02886
401-737-4407
WWW.ATLASLANDSURVEYING.COM

MARCUS CHANNING
No. 1971
PROFESSIONAL
LAND SURVEYOR

ON-SITE WASTEWATER TREATMENT SYSTEM NEW DESIGN
A.P. 2, LOT 2-2
OFF CORN NECK ROAD
NEW SHOREHAM, RHODE ISLAND
Prepared For:
DB DEVELOPMENT, LLC

REVISION:

DATE: JAN. 2025
DRAWN BY: KRC
SCALE: 1" = 40'

SHEET
1 OF 1 SHEETS
JAN 31 2025

JOB NO. BELL
DWG. NO. BELL-OWTS