

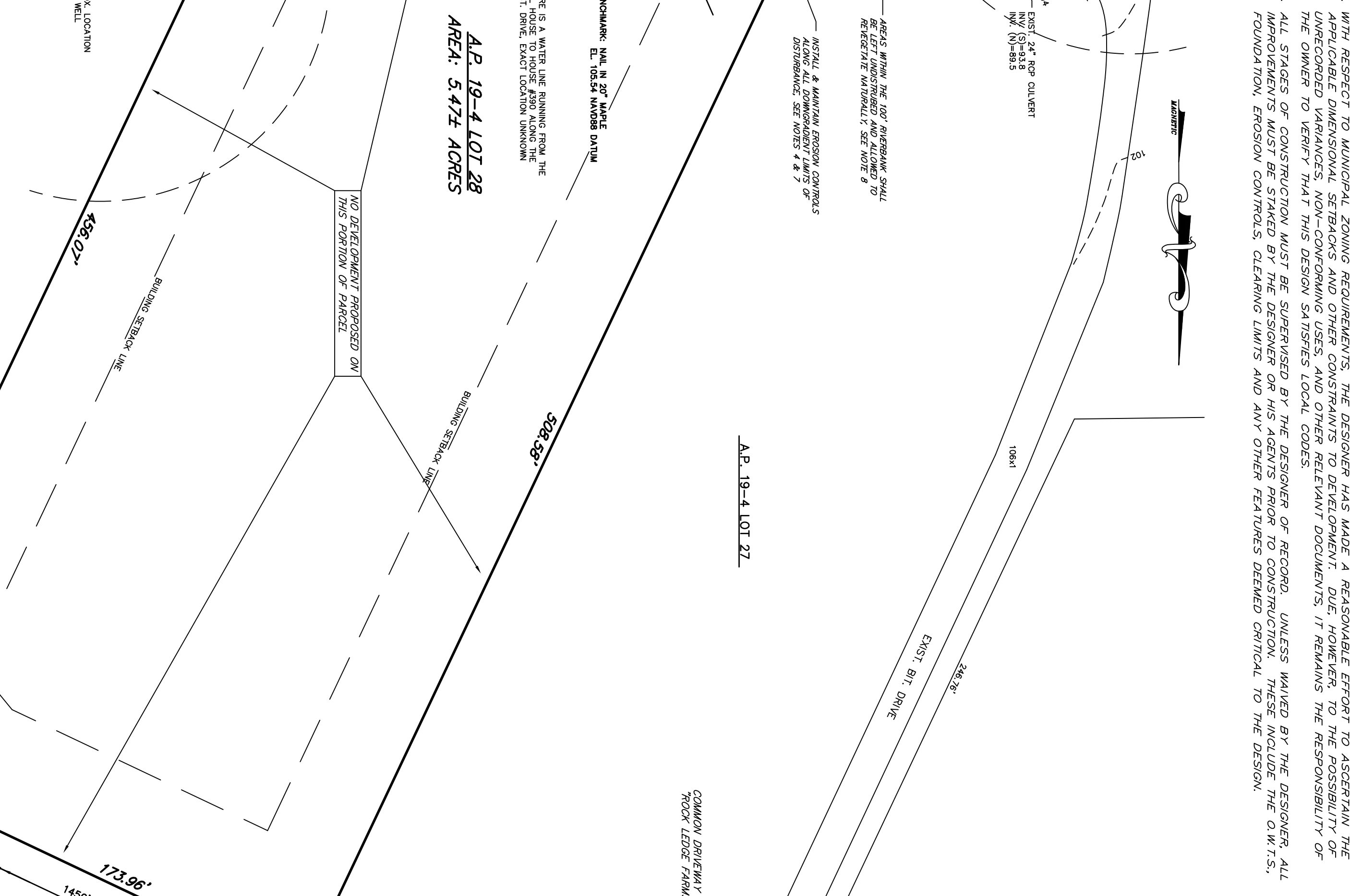
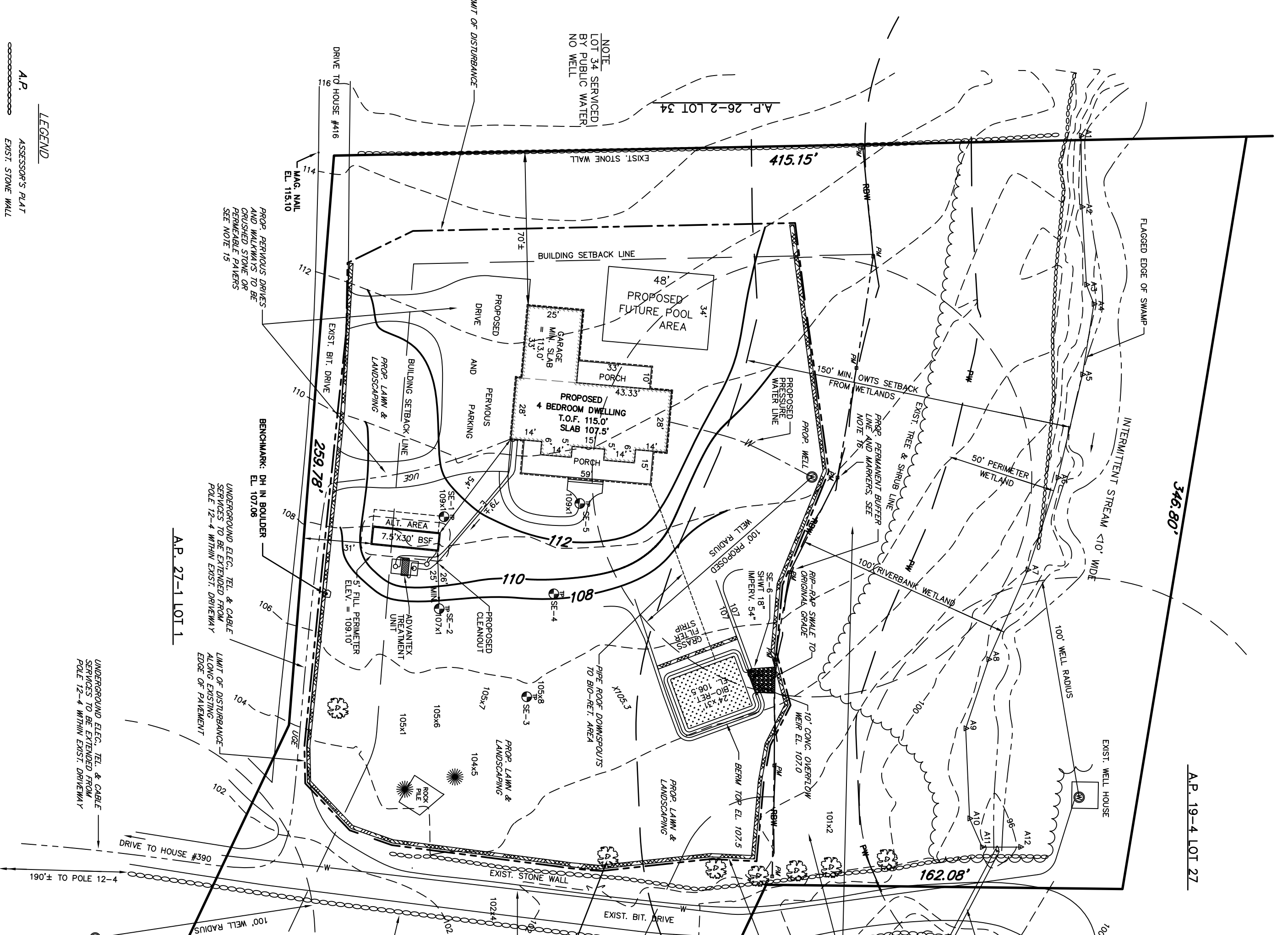
GROUND WATER & LEDE DEPTH TABLE

TEST PIT	GROUNDWATER DEPTH	GROUNDWATER ELEVATION	LEDE DEPTH	LEDE ELEVATION
SE-1	2.0'	102.1'	6.2'	102.4'
SE-2	1.8'	105.3'	7.0'	100.1'
SE-3	1.8'	104.0'	5.0'	100.8'
SE-4	1.9'	105.2'	6.0'	101.1'
SE-5	2.0'	102.1'	7.5'	101.6'
SE-6*	1.5'	103.5'	4.5'	102.5'

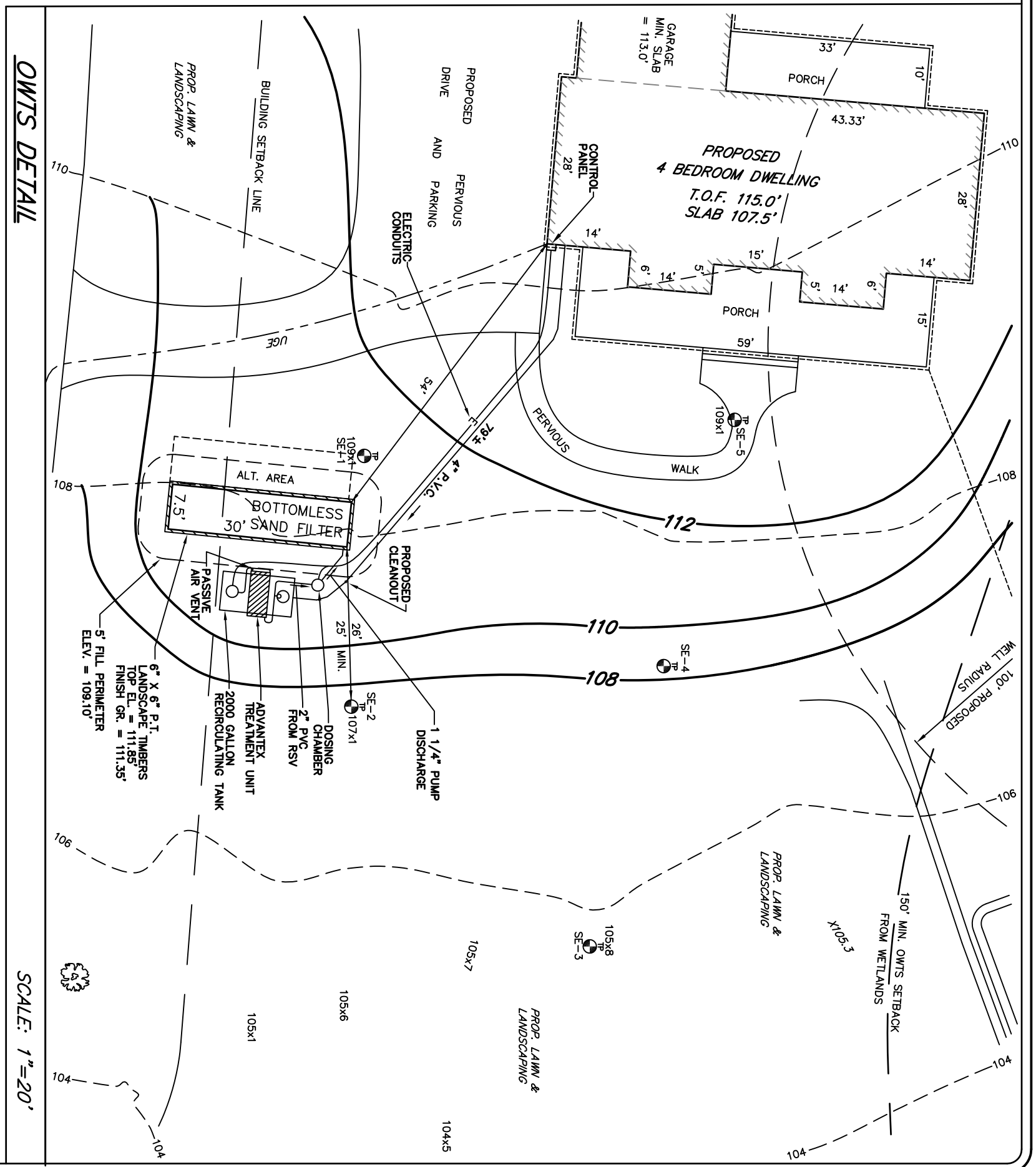
* SE-6 NOT WITNESSED FOR DRAINAGE PURPOSES ONLY.

DESIGN CRITERIA

SEWAGE FLOW - 4 BEDROOMS - 115 GALLONS PER BEDROOM UNIT
 TOTAL DAILY FLOW - SOL CATEGORY 1 - 211 GALLONS/SQ. FT./DAY
 MINIMUM REQUIRED BOTTOMLESS SAND FILTER AREA - 480 GALLONS PER DAY (MAX.) + 2.1 GAL/SQ. FT./DAY = 2191 SQ. FT.
 BOTTOMLESS SAND FILTER AREA PROVIDED: 73,300 SQ. FT. = 225 SQ. FT.
 LEACH FIELD DESIGN POINT ELEVATION 109.1'



- DESIGN AND CONSTRUCTION NOTES:**
1. ALL WORK SHALL CONFORM TO THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT RULES AND REGULATIONS, AS AMENDED.
 2. THE TOP OF FOUNDATION ELEVATION SHOWN HAS BEEN DESIGNED FOR O.W.T.S. PURPOSES ONLY. THE OWNER AND/OR CONTRACTOR IS ADVISED TO DETERMINE WHETHER THE BASEMENT FLOOR OF THE PROPOSED DWELLING IS AT OR BELOW THE GROUND WATER TABLE AND, IF SO, RAISE THE FOUNDATION ACCORDINGLY.
 3. THE CONTRACTOR SHALL NOTIFY THE DESIGNER OF ANY PROPOSED DEVIATIONS FROM THIS SITE PLAN. THE DESIGNER MUST PERFORM ALL NECESSARY INSPECTIONS, BOTH DURING AND AFTER INSTALLATION, BEFORE ANY COMPONENT OF THE SYSTEM IS COVERED.
 4. THE PROPERTY BOUNDARIES SHOWN HEREON HAVE BEEN COMPILED FROM MAPS, DEEDS, AND OTHER SOURCES OF INFORMATION, AND ARE SUBJECT TO SUCH MODIFICATIONS AS AN ACTUAL BOUNDARY SURVEY MAY DISCLOSE. TO THE EXTENT THAT SUCH BOUNDARIES ARE CRITICAL TO THE O.W.T.S. LOCATION, THEY MUST BE ESTABLISHED PRIOR TO CONSTRUCTION.
 5. ALL PIPING SHALL BE INSTALLED AT CONTINUOUS SLOPE WITH NO SAGS OR HIGH POINTS.
 6. ALL MANHOLES TO GRADE SHALL HAVE GANSETED WATERIGHT COVERS AND THE SURFACE SHALL BE GRADED TO DRAIN AWAY FROM THE MANHOLE OF 1% SHALL BE MAINTAINED BETWEEN THE BOTTOMLESS SAND FILTER AND NEIGHBORING TREES AND SHRUBS.
 7. EXCAVATION INTO IMPROVED MATERIAL IS PROHIBITED UNLESS OTHERWISE APPROVED BY THE DIRECTOR.
 8. MAINTAIN TRENCH INVERT ELEVATION FOR 5' BEYOND THE PERIMETER OF THE LEACHING FIELD.
 9. INSTALL CAST IRON PIPE OR EQUIVALENT FROM THE FOUNDATION TO THE SEPTIC TANK.
 10. NO SUBSIDIARY DRAINAGE OR WATER SUPPLY LINE IS TO BE INSTALLED WITHIN 25' OF THE SYSTEM.
 11. ALL KNOWN EXISTING AND PROPOSED PUBLIC WATER SUPPLY WELLS WITHIN 500' OF THE SYSTEM ARE SHOWN. ALL KNOWN EXISTING AND PROPOSED PRIVATE WATER SUPPLY WELLS WITHIN 200' OF THE SYSTEM ARE SHOWN. ALL KNOWN EXISTING AND PROPOSED SEPTIC SYSTEMS WITHIN 100' OF THE WELL ARE SHOWN.
 12. ALL WORK MUST CONFORM TO THE REQUIREMENTS OF OTHER EXISTING PERMITS, IF ANY.
 13. WITH RESPECT TO MUNICIPAL ZONING REQUIREMENTS, THE DESIGNER HAS MADE A REASONABLE EFFORT TO ASCERTAIN THE APPLICABLE DIMENSIONAL SETBACKS AND OTHER CONSTRAINTS TO DEVELOPMENT. HOWEVER, TO THE POSSIBILITY OF THE CONTRACTOR'S NEGLIGENCE, THE DESIGNER DOES NOT GUARANTEE THE ACCURACY OF ANY DOCUMENTS, IT REMAINS THE RESPONSIBILITY OF THE OWNER TO VERIFY THAT THIS DESIGN SATISFIES LOCAL CODES.
 14. ALL STAGES OF CONSTRUCTION MUST BE SUPERVISED BY THE DESIGNER OR HIS AGENTS PRIOR TO CONSTRUCTION. THESE INCLUDE THE O.W.T.S., FOUNDATION, EROSION CONTROL, CLEARING LIMITS AND ANY OTHER FEATURES DEEMED CRITICAL TO THE DESIGN.



- NOTES:**
1. PROPOSED AND EXISTING SURVEY ARE FROM AN O.W.T.S. SURVEY PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE R.I. DEPARTMENT OF ENVIRONMENTAL MANAGEMENT. TOTAL STATION SURVEY METHODS. HORIZONTAL DATUM IS NAD 83 AND THE VERTICAL DATUM IS MVD 88 AND WAS USING SURVEY GRADE GLOBAL POSITIONING TECHNOLOGY.
 2. SITE IS LOCATED WITHIN ZONE X (CARBS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL FLOOD HAZARD ZONING PERMITS. FLOOD HAZARD ZONING MAPS, WHICH ARE SUBJECT TO CHANGE BY THE R.I. DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, SHOULD BE CONSULTED FOR THE LATEST FLOOD HAZARD ZONING INFORMATION. THE DESIGNER HAS MADE A REASONABLE EFFORT TO ASCERTAIN THE APPLICABLE DIMENSIONAL SETBACKS AND OTHER CONSTRAINTS TO DEVELOPMENT. HOWEVER, TO THE POSSIBILITY OF THE CONTRACTOR'S NEGLIGENCE, THE DESIGNER DOES NOT GUARANTEE THE ACCURACY OF ANY DOCUMENTS, IT REMAINS THE RESPONSIBILITY OF THE OWNER TO VERIFY THAT THIS DESIGN SATISFIES LOCAL CODES.
 3. THIS SITE IS LOCATED WITHIN THE 0.2% ANNUAL FLOOD HAZARD ZONING PERMITS. FLOOD HAZARD ZONING MAPS, WHICH ARE SUBJECT TO CHANGE BY THE R.I. DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, SHOULD BE CONSULTED FOR THE LATEST FLOOD HAZARD ZONING INFORMATION. THE DESIGNER HAS MADE A REASONABLE EFFORT TO ASCERTAIN THE APPLICABLE DIMENSIONAL SETBACKS AND OTHER CONSTRAINTS TO DEVELOPMENT. HOWEVER, TO THE POSSIBILITY OF THE CONTRACTOR'S NEGLIGENCE, THE DESIGNER DOES NOT GUARANTEE THE ACCURACY OF ANY DOCUMENTS, IT REMAINS THE RESPONSIBILITY OF THE OWNER TO VERIFY THAT THIS DESIGN SATISFIES LOCAL CODES.
 4. STRAW BALE EROSION CHECK (S.E.C.) STANDARD 8.10.1, SILT FENCE AND/OR SILT BARRIERS SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENTATION AND EROSION CONTROL MEASURES.
 5. NO WORK IS ALLOWED WITHIN STATE REGULATED WETLANDS EXCEPT AS SPECIFICALLY SHOWN. NO WORK IS PROPOSED WITHIN JURISDICTIONAL WETLANDS.
 6. ALL IMPROVEMENTS SHALL BE ACCURATELY LOCATED AND STAKED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 7. ALL DISTURBED AREAS SHALL BE STABILIZED WITH 4" LOAM AND SEED OR SOG. PROPOSED SLOPES SHALL BE 3:1 (MAXIMUM).
 8. THE PERMANENT LIMIT OF DISTURBANCE SHALL BE ALLOWED TO RELOCATE MATERIAL, RELOCATE THE PERMANENT LIMIT OF DISTURBANCE SHALL REMAIN IN A NATURAL UNDISTURBED STATE.
 9. ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH THE REQUIREMENTS OF THE C.A.M.C. WETLANDS PERMIT, O.W.T.S. PERMIT AND IN COMPLIANCE WITH ALL TOWN REGULATIONS.
 10. EXCEPT WHERE SHOWN THE SITE IS ENTIRELY CLEARED.
 11. ALL STAGES OF O.W.T.S. CONSTRUCTION MUST BE SUPERVISED BY THE SYSTEM DESIGNER.
 12. EXISTING UTILITY LOCATIONS ARE APPROXIMATE ONLY. DO NOT ASSUME THE LOCATION OF UTILITY LOCATIONS SHALL BE NOTIFIED PRIOR TO ANY CONSTRUCTION FOR ACCURATE UTILITY LOCATIONS.
 13. PRIOR TO COMMENCEMENT OF ANY SITE ALTERATIONS, PERMANENT SURVEY MARKERS SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION. THE DESIGNER HAS MADE A REASONABLE EFFORT TO ASCERTAIN THE APPLICABLE DIMENSIONAL SETBACKS AND OTHER CONSTRAINTS TO DEVELOPMENT. HOWEVER, TO THE POSSIBILITY OF THE CONTRACTOR'S NEGLIGENCE, THE DESIGNER DOES NOT GUARANTEE THE ACCURACY OF ANY DOCUMENTS, IT REMAINS THE RESPONSIBILITY OF THE OWNER TO VERIFY THAT THIS DESIGN SATISFIES LOCAL CODES.
 14. REFER TO O.W.T.S. APPLICATION #2016-002 DATED JUNE 8, 2016 AND C.A.M.C. PRELIMINARY DETERMINATION PERMIT #2016-002 DATED MARCH 23, 2017. A REVISED AND AMENDED PERMIT FROM C.M.C. PRIOR TO CONSTRUCTION SHALL BE OBTAINED.
 15. ALL EXISTING TREES, ROCKS, ROCKERS AND OTHER FEATURES SHALL BE MAINTAINED AND PROTECTED THROUGHOUT CONSTRUCTION. ALL FEATURES SHALL BE OTHERWISE RECORDED.
 16. THERE ARE NO EXISTING OR PROPOSED PUBLIC WATER SUPPLY SOURCES WITHIN 500' OF THE LOT OTHER THAN THOSE SHOWN ON PLAN.
 17. THERE ARE NO EXISTING OR PROPOSED SEWAGE DISPOSAL SYSTEMS WITHIN 500' OF THE PROPOSED WATER SUPPLY LINE OTHER THAN THOSE SHOWN ON PLAN.
 18. THERE ARE NO EXISTING OR PROPOSED INDIVIDUAL WATER SUPPLIES WITHIN 500' OF THE PROPOSED ON-SITE WASTEWATER TREATMENT SYSTEM OTHER THAN THOSE SHOWN ON PLAN.
 19. THE SITE LIES WITHIN THE NARROW RIVER CRITICAL RESOURCE AREA.
 20. THE BIO-RETENTION AREA IS DESIGNED TO MITIGATE A 25 YEAR STORM PER TOWN ORDINANCE FOR UP TO A 4,000 S.F. ROOF AREA. A LARGER IMPERVIOUS AREA WILL REQUIRE REDUCTION OF STORM WATER MITIGATION.
 21. ALL NEW DRIVEWAY AND WALK WAY SURFACES SHALL BE PERVIOUS CRUSHED STONE OR EQUIVALENT. ALL DRIVEWAY AND WALK WAY SURFACES SHALL BE PERVIOUS CRUSHED STONE OR EQUIVALENT. ALL DRIVEWAY AND WALK WAY SURFACES SHALL BE PERVIOUS CRUSHED STONE OR EQUIVALENT. ALL DRIVEWAY AND WALK WAY SURFACES SHALL BE PERVIOUS CRUSHED STONE OR EQUIVALENT.
 22. REFER TO APPROVED O.W.T.S. APPLICATION #2016-002 DATED NOVEMBER 2, 2020 AND C.A.M.C. ASSAY #2016-10-002 DATED MARCH 27, 2017. AN EXTENSION OF THIS ASSAY WAS GRANTED ON JANUARY 16, 2020.

PLAN OF PROPOSED IMPROVEMENTS TO & ON-SITE WASTEWATER TREATMENT SYSTEM

ASSESSOR'S PLAT 19-4 LOT 28

BRIDGETOWN ROAD

SOUTH KINGSTOWN, RHODE ISLAND

PREPARED FOR: BCR, LLC

SCALE: 1"=40' DATE: NOVEMBER 13, 2020 REVISION:

RECEIVED
By Brittany at 1:27 pm, Dec 02, 2020

ANGELO M. RAIMONDI
No. 1762
PROFESSIONAL LAND SURVEYOR

CERTIFICATION
THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 3 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 23, 2016 AS FOLLOWS:

TYPE OF BOUNDARY SURVEY: NOT A BOUNDARY SURVEY
MEASUREMENT SPECIFICATION: N/A

TYPE OF SURVEY-OTHER: DATA ACCUMULATION SURVEY
MEASUREMENT SPECIFICATION: CLASS III VERTICAL CONTROL STANDARD V-3 TOPOGRAPHIC SURVEY ACCURACY 1-2

STATEMENT OF PURPOSE
THE PURPOSE OF THIS SURVEY WAS TO CONDUCT A DATA ACCUMULATION SURVEY AND TO COLLECT TOPOGRAPHIC AND PHYSICAL FEATURES LOCATION DATA FOR AN ON-SITE SEWAGE SYSTEM DESIGN.

BY: *Angelo M. Raimondi*
ANGELO M. RAIMONDI, PROFESSIONAL LAND SURVEYOR, NO. 1762
SCITUATE SURVEYS, INC. CO. NO. A30
IF THIS MAP DOES NOT BEAR AN ORIGINAL SIGNATURE AND "MET" STAMP, THEN IT IS NOT AN AUTHORITY VERSION.

SCITUATE SURVEYS, INC.

410 TIOQUE AVENUE
COVENTRY, RHODE ISLAND 02816
401-821-8101

LAND SURVEYING / MAPPING / SITE PLANNING

SCALE IN FEET: 40 20 0 40 80 120

LEGEND

- AP ASSESSOR'S PLAT
- EXIST. STONE WALL
- EXIST. CONTOUR
- EXISTING/PROPOSED WELLS & WATER LINE
- EXIST. TREE
- EXIST. TREE LINE
- SOIL CONTAMINATION IN
- SOIL CONTAMINATION BY
- 50' PERIMETER WETLAND
- 100' PERIMETER WETLAND
- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED EROSION CONTROL
- PROPOSED DRIVEWAY & WALKWAY
- SPOT ELEVATION

ZONING DATA

ZONING: R-1 (RESIDENTIAL)

MAX. LOT AREA: 80,000 S.F.

MAX. GROUND COVER: 50%

MAX. YARDS FRONT: 50'

MAX. YARDS SIDE: 40'

MAX. YARDS REAR: 35'

MAX. LOT COVERAGE: 20% STRUCTURE

OWNER/APPLICANT

BCR, LLC
52 SUNDANCE TRAIL
WAKEFIELD, RHODE ISLAND 02879

SCITUATE SURVEYS, INC.

SCOTT F. MOOREHEAD
REGISTERED PROFESSIONAL ENGINEER
DESIGNER/ENGINEER
S.F.M. ENGINEERING ASSOCIATES
410 TIOQUE AVENUE
COVENTRY, R.I. 02816
SCOTT.S@MVA.TANTIBBAMET

DATE: _____
REVISION: _____

CHEK BY: STM JOB NO. STABBE

PROJECT NO.: S52741.01
DRAWING NO.: S52742
SHEET 1 OF 3