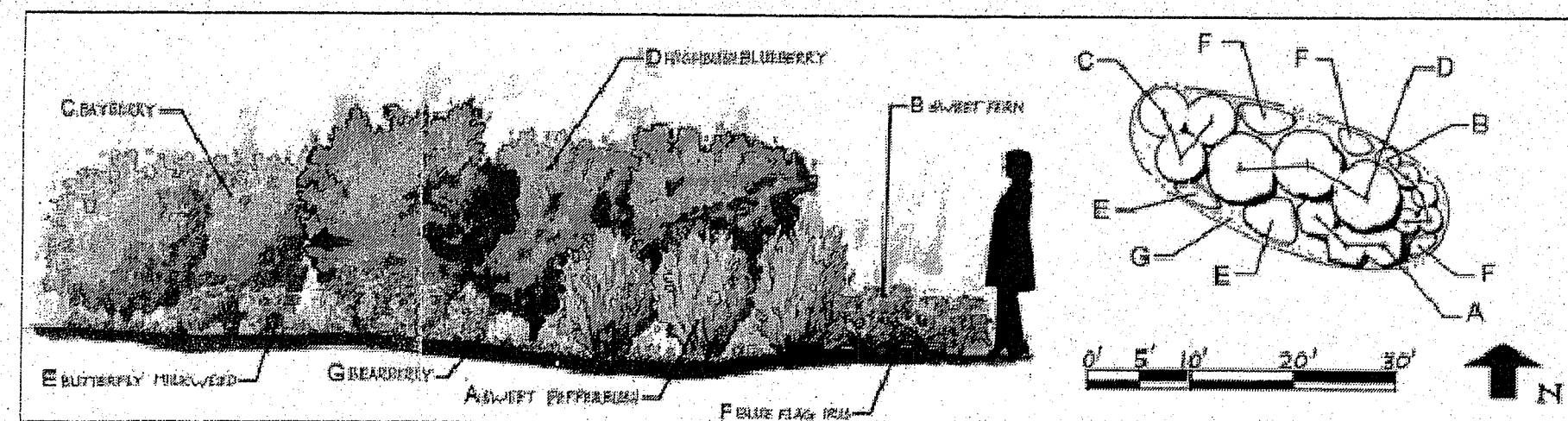
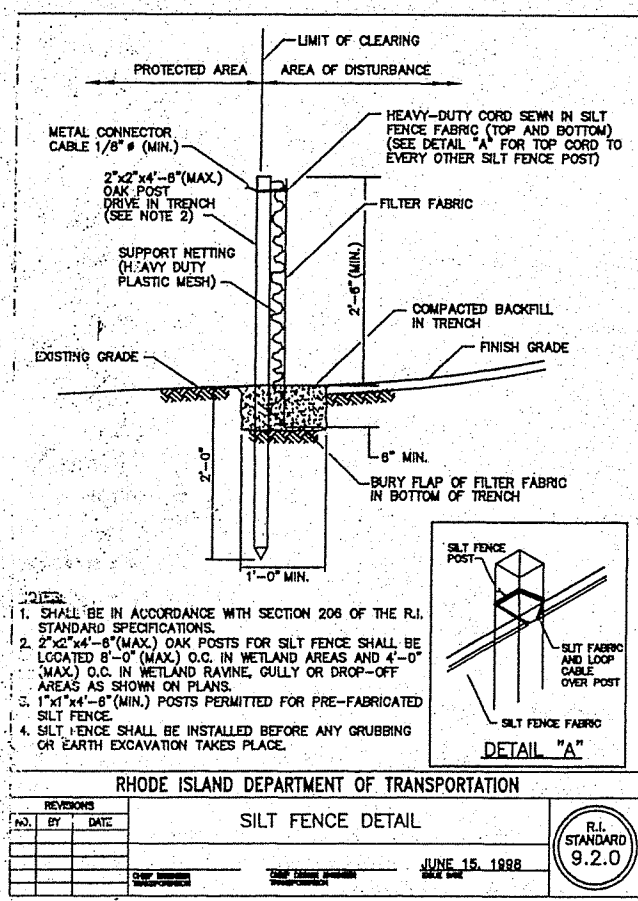


RESERVOIR ROAD

STREET INDEX



RAIN GARDEN CALCULATIONS:

ROOF IMPERMEABLE TRIBUTARY AREA = 2,617 S.F. ROUND UP 2,700 S.F.
 TRIB. AREA TO GARDEN SQUARE FOOTAGE CONVERSION = 0.15 FROM RI SMG TABLE 7
 2,700 S.F. * 0.15 = 405 S.F. RAIN GARDEN REQUIRED
 2:1 LENGTH TO WIDTH RATIO RECOMMENDED PER RI SMG
 LENGTH=14.5 FT., WIDTH=28 FT.
 14.5 FT. * 28 FT. = 406 S.F. RAIN GARDEN PROPOSED

GENERAL

- THIS PLAN IS INTENDED TO PROVIDE GUIDANCE AND INSTRUCTION TO THE OWNER AND CONTRACTOR(S) IN THE PREVENTION OF EROSION AND SEDIMENTATION BOTH ON-SITE AND OFF-SITE. THIS PLAN IS INTENDED TO ALLOW ANY EROSION APPROVALS TO BE MORE SPECIFIC IN ADDRESSING ITEMS OF CONCERN. IF, UPON ISSUANCE OF ANY ORDER, APPROVAL OR PERMIT BY ANY MUNICIPAL, STATE OR FEDERAL ENTITY, ANY ITEMS SPECIFIED HEREIN ARE IN CONFLICT WITH SUCH ORDERS, SAID ORDERS SHALL SUPERCEDE THE REQUIREMENTS SPECIFIED ON THIS PLAN.
- THIS PLAN IS PART OF A SET OF DOCUMENTS THAT ARE TO BE VIEWED AND REVIEWED IN THEIR ENTIRETY. SUCH DOCUMENTS INCLUDE THE CONSTRUCTION SPECIFICATIONS, CONSTRUCTION PLANS AND ANY PERMITS ISSUED BY THE CITY OF WARWICK OR THE STATE OF RHODE ISLAND, THEIR AGENTS, OR OTHER REGULATORY AGENCIES.

EROSION CONTROL MEASURES

- CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT EROSION AND SEDIMENTATION ARE CONTROLLED. THIS PLAN SHALL BE ADAPTED TO FIT THE CONTRACTOR'S EQUIPMENT, WEATHER CONDITIONS, AND ANY ORDERS ISSUED BY THE REGULATORY AGENCY HAVING JURISDICTION OVER THIS PROJECT.
- THE MOST IMPORTANT ASPECTS OF CONTROLLING EROSION AND SEDIMENTATION ARE LIMITING THE EXTENT OF DISTURBANCE AND STABILIZING SURFACES AS SOON AS POSSIBLE. OF SECONDARY IMPORTANCE IN EROSION CONTROL IS THE LIMITING OF THE SIZE AND LENGTH OF THE TRIBUTARY DRAINAGE AREA WITHIN THE WORK SITE. THESE FUNDAMENTAL PRINCIPLES SHALL BE THE KEY FACTOR IN THE CONTRACTOR'S CONTROL OF EROSION ON THE SITE.
- ALL DISTURBED SURFACES SHALL BE STABILIZED A MINIMUM OF 7 DAYS AFTER CONSTRUCTION IN ANY PORTION OF THE SITE THAT CONSTRUCTION HAS CEASED OR IS TEMPORARILY HALTED.
- THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE AND REPAIR OF ALL EROSION CONTROL DEVICES ON SITE. ALL EROSION CONTROL DEVICES SHALL BE REGULARLY INSPECTED. ANY SEDIMENT REMOVED FROM THE CONTROL DEVICES SHALL BE DISPOSED OF OFF-SITE.
- AT NO TIME SHALL SILT-LADEN WATER BE ALLOWED TO ENTER OFF-SITE AREAS OR EXISTING DRAINAGE SYSTEMS. ANY RUNOFF FROM DISTURBED SURFACES SHALL BE DIRECTED THROUGH SETTLING BASINS AND/OR EROSION CONTROL BARRIERS PRIOR TO ENTERING ANY SENSITIVE AREAS.

GENERAL CONSTRUCTION REQUIREMENTS

- NO ON-SITE DISPOSAL OF SOLID WASTE, INCLUDING BUILDING MATERIALS, IS ALLOWED. THE BURIAL OF STUMPS, DEMOLITION DEBRIS, CONSTRUCTION DEBRIS OR OTHER MATERIALS SHALL NOT BE ALLOWED ANYWHERE ON-SITE.
- NO MATERIALS SHALL BE DISPOSED OF INTO EXISTING OR PROPOSED SEWER OR DRAINAGE SYSTEMS, EITHER ON-SITE OR OFF-SITE. ALL CONTRACTORS, INCLUDING CONCRETE SUPPLIERS, PAINTERS AND PLASTERERS, SHALL BE INFORMED THAT THE CLEANING OF EQUIPMENT IS PROHIBITED IN AREAS WHERE THE WASH WATER WILL DRAIN DIRECTLY TO OFF-SITE DRAINAGE SYSTEMS.
- THE CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL WHICH SHALL INCLUDE SWEEPING OF ALL PAVED SURFACES THAT ARE IMPACTED BY SITE CONSTRUCTION ON A REGULAR BASIS, AS NEEDED.

PRE-CONSTRUCTION

- AN EROSION CONTROL BARRIER SHALL BE INSTALLED AT ANY LOCATION WHERE AREAS TO BE DISTURBED COULD CAUSE EROSION TO OTHER AREAS. THESE BARRIERS SHALL REMAIN IN PLACE UNTIL ALL TRIBUTARY SURFACES HAVE BEEN FULLY STABILIZED.
- THE CONTRACTOR SHALL ESTABLISH A STAGING AREA ON A PORTION OF THE AREA TO BE DISTURBED FOR THE OVERNIGHT STORAGE OF EQUIPMENT AND STOCKPILING OF MATERIALS.
- IN THE STAGING AREA, THE CONTRACTOR SHALL HAVE A STOCKPILE OF MATERIALS REQUIRED TO CONTROL EROSION ON-SITE, TO BE USED TO SUPPLEMENT OR REPAIR EROSION CONTROL DEVICES. THESE MATERIALS SHALL INCLUDE, BUT ARE NOT LIMITED TO: HAYBALES, SILT FENCES AND CRUSHED STONE.
- THE CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL ON-SITE AND SHALL UTILIZE EROSION CONTROL MEASURES WHERE NEEDED, REGARDLESS OF WHETHER THE MEASURES ARE SPECIFIED HEREIN, ON THE PLAN OR IN ANY ORDERS.

PRELIMINARY SITE WORK

- MATERIAL REMOVED SHOULD BE STOCKPILED, SEPARATING THE TOPSOIL FOR FUTURE USE ON THE SITE. EROSION CONTROL SHALL BE UTILIZED ALONG THE DOWNSLOPE SIDE OF THE PILES IF THE PILES ARE TO REMAIN MORE THAN 3 WEEKS.
- STOCKPILES SHALL BE LOCATED WITHIN THE LIMITS OF DISTURBANCE, IN AREAS OF MINIMAL IMPACT. IF A STOCKPILE IS LOCATED ON A SLOPE, THE RUNOFF SHALL BE DIRECTED AWAY FROM THE PILE.
- IF INTENSE RAINFALL IS ANTICIPATED, THE INSTALLATION OF SUPPLEMENTAL HAYBALE DIKES, SILT FENCES, OR ARMORED DIKES SHALL BE UTILIZED.

SURVEY CLASSIFICATION:

THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:

TYPE OF BOUNDARY SURVEY: DATA ACCUMULATION SURVEY
MEASUREMENT SPECIFICATION: CLASS III

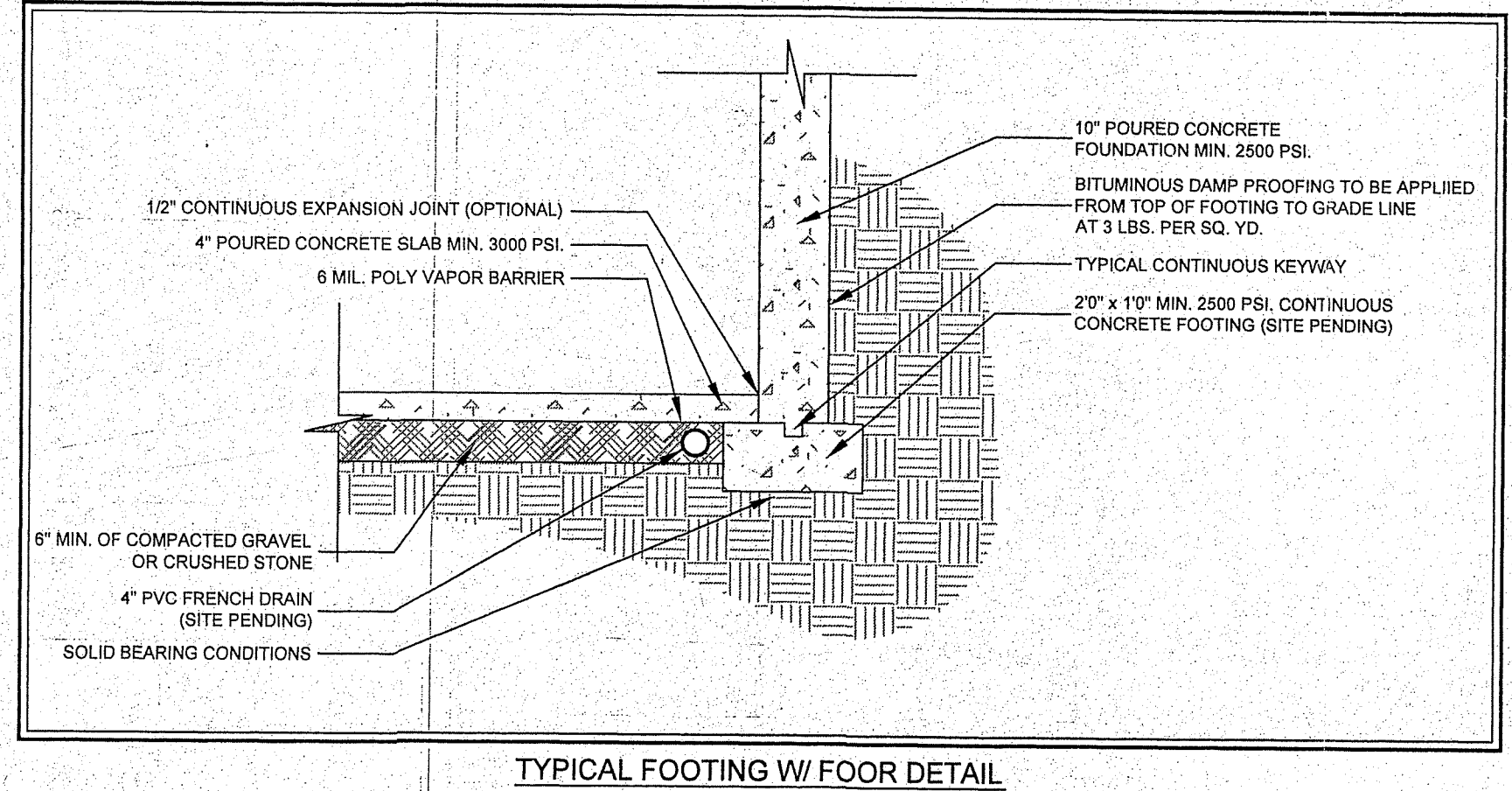
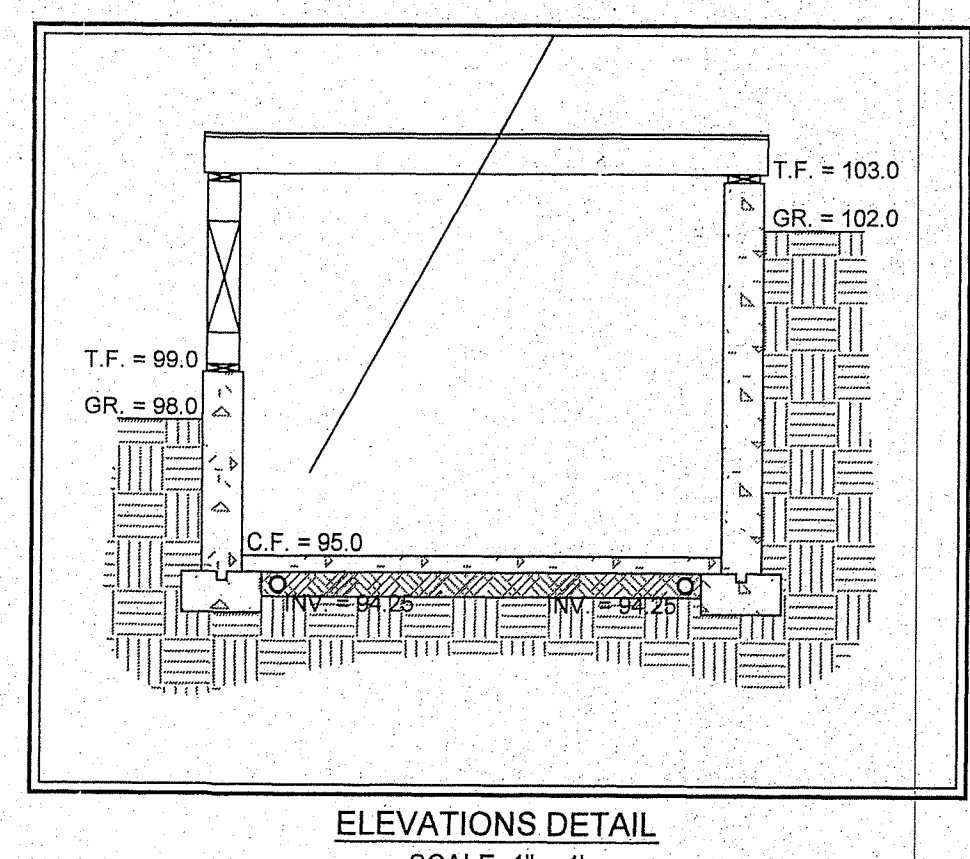
THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS:

TO ESTABLISH AND STAKE RECORD BOUNDARY LINES.

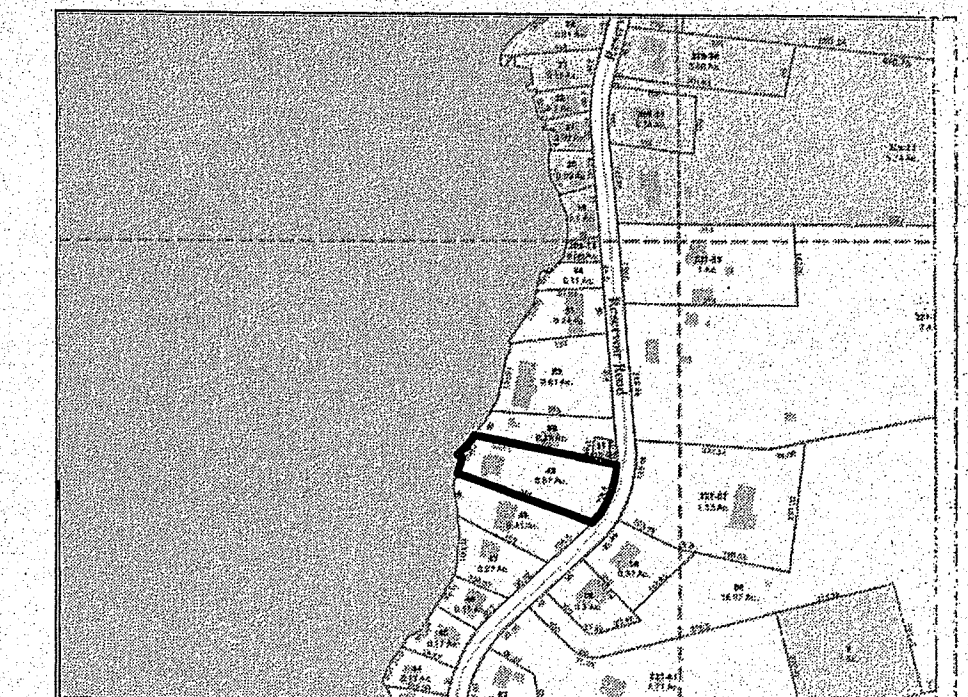
BY: *Richard T. Bzdrya* DATE: 3/16/23

BY: RICHARD T. BZDYRA, PLS, LICENSE #1786; COA # LS-A60

THE FOLLOWING TYPES OF EVIDENCE WERE USED TO CONSTRUCT THIS SURVEY: RECORDED FOUND MONUMENTS IF ANY, NON-RECORDED MONUMENTS, LINES OF POSSESSION, AND OTHER EVIDENCE RELATIVE TO THE DEED OR PLAT. THE BOUNDARY SOLUTION IS THE COMPILED INFORMATION TO DETERMINE THE MOST PROBABLE LOCATION OF THE SURVEYED PARCEL.



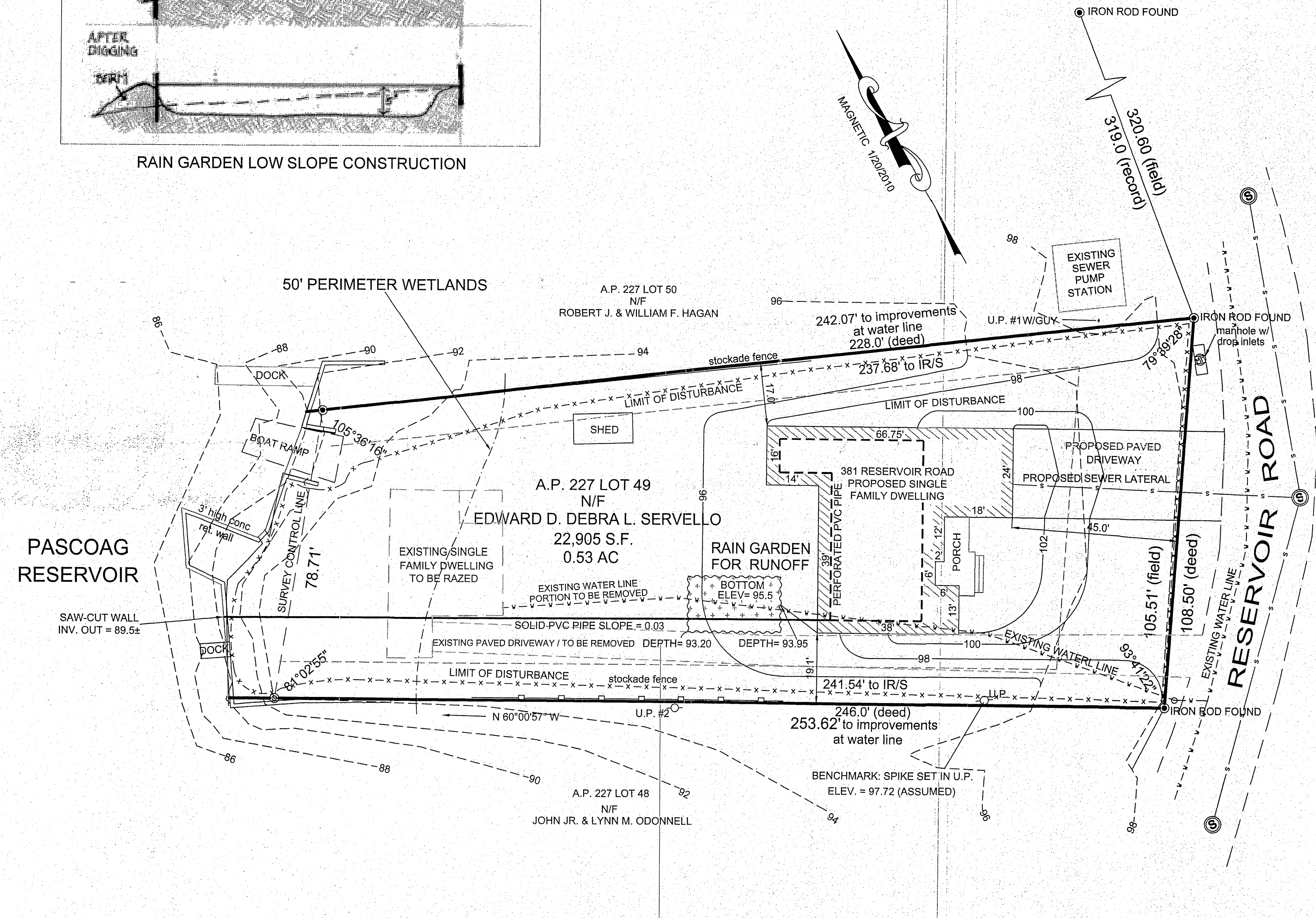
- NOTES:**
- PROPERTY HAS RIGHTS TO WELL WATER ON LOT 9 PER DEED
 - NO EASEMENT FOR DRAIN LINE UNDER PROPERTY FOUND.
 - LIMITS OF DISTURBANCE EXTENDS TO DEMOLITION OF EXISTING BUILDING.
 - EROSION CONTROLS SHALL BE ESTABLISHED PRIOR TO ANY WORK.
 - TREES ADJACENT TO THE STRUCTURE SHALL BE CUT AND REMOVED.
 - THE AREA WITHIN THE IDENTIFIED LIMIT OF DISTURBANCE SHALL BE GRADED TO ESTABLISH A 4 TO 1 SLOPE.
 - ALL DEMOLITION DEBRIS SHALL BE PROPERLY DISPOSED OF OUTSIDE ALL REGULATED WETLANDS.
 - THE AREA SHALL BE SEEDED FOR USE AS LAWN.
 - FEMA MAP 44007C0130G / 03/02/2009 / NOT IN 100 YEAR FLOOD PLAIN



ZONING DISTRICT R-20

MINIMUM LOT AREA: 20,000 S.F.
 MINIMUM LOT FRONTAGE: 125 FT.
 MINIMUM SETBACKS: FRONT: 30 FT.
 SIDE: 10 FT.
 REAR: 30 FT.

- REFERENCES:**
- BOOK 473 PAGE 29-31
 - CENTER PORTION OF LOT 7 ON THAT PLAT ENTITLED "EDDY PLAT, BURRILLVILLE, R.I., OCTOBER 1932, BY ROSCOE W. BAKER."
 - PLAT BOOK 2 PAGE 49



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED: APR 13 2023 FILE #: 22-0248
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

AMENDED DEM APPLICATION PLAN

SUBDRAIN PLAN

A.P. 227, LOT 49
 381 RESERVOIR ROAD
 BURRILLVILLE, RHODE ISLAND
 SCALE: 1"=20' DATE: MARCH 15, 2023

PREPARED FOR:
EDWARD & DEBRA SERVELLO
 128 OLNEY KEACH ROAD
 CHEPACHET, RHODE ISLAND 02814

PREPARED BY:
OCEAN STATE PLANNERS, INC.
 1255 OAKLAWN AVENUE, CRANSTON, RI 02920
 PHONE: (401) 463-9696 info@osplanners.com

JOB NO. 7928 / DWG. NO. 7928

GRAPHIC SCALE / 1" = 20'

MAR 22 2023
 Office of Water Resources

