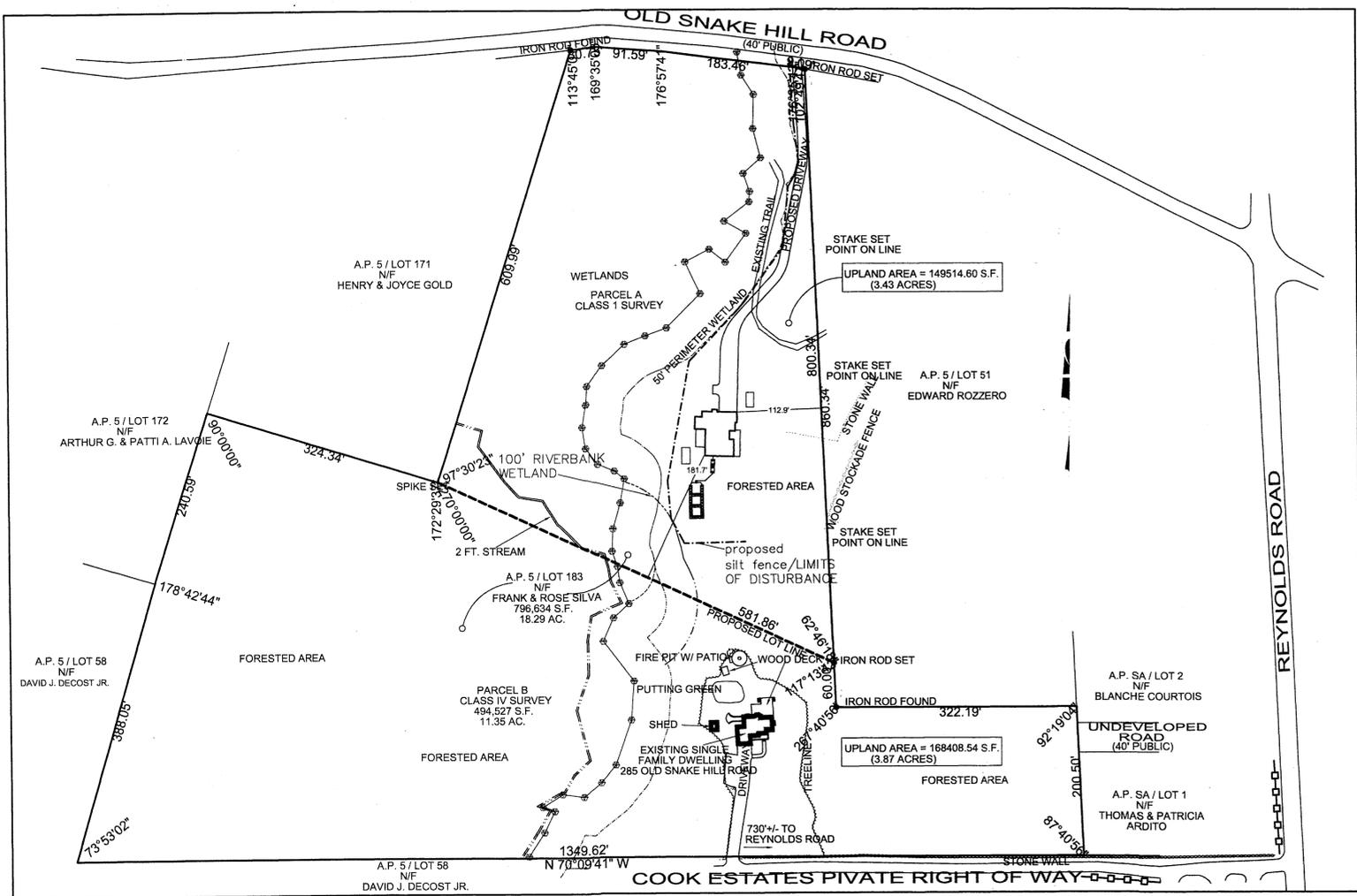
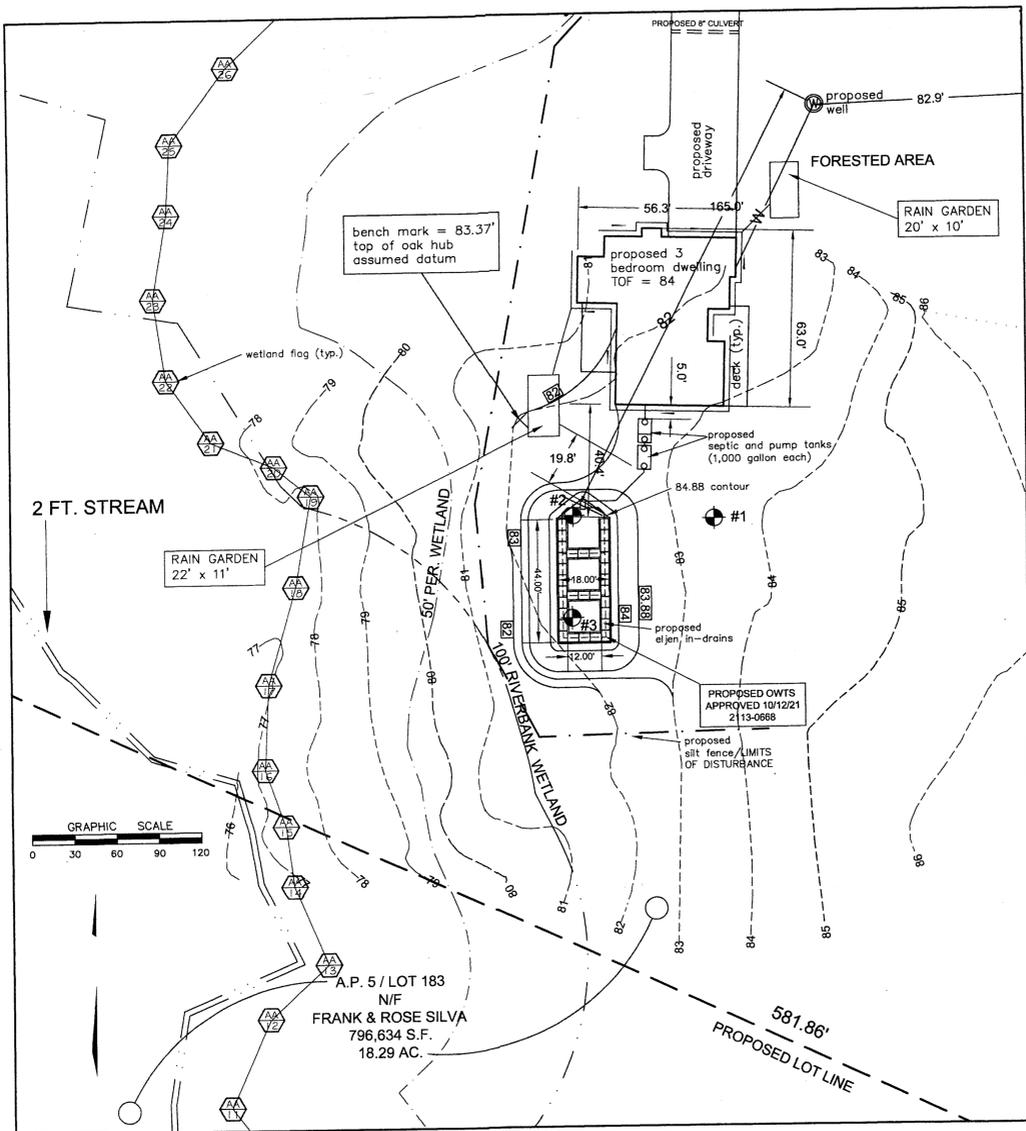


SEE SHEET 2 OF 2 FOR DETAILS



EROSION CONTROL, SOIL STABILIZATION AND SEDIMENT CONTROL PLAN

1. PRIOR TO THE COMMENCEMENT OF ANY CLEARING, GRUBBING, DEMOLITION OR EARTHWORK ACTIVITY, TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE PLANS ARE TO BE INSTALLED BY THE CONTRACTOR.
2. CONSTRUCTION ACCESS STABILIZATION ENTRANCE PADS ARE TO BE INSTALLED PRIOR TO THE COMMENCEMENT OF SITE GRUBBING OR EARTHWORK ACTIVITY.
3. EXISTING CATCH BASINS ARE TO BE PROTECTED WITH HAY BALES AND/OR SILT SACS PRIOR TO THE START OF SITE GRUBBING, EARTHWORK OR UNDERGROUND UTILITY AND DRAINAGE INFRASTRUCTURE INSTALLATION TO SERVE THE DEVELOPMENT SITE.
4. THE PROJECT CONSTRUCTION SEQUENCE, TO THE EXTENT PRACTICAL, SHOULD REQUIRE THE INSTALLATION OF DOWN GRADE AND OFF SITE STORM DRAINAGE SYSTEM IMPROVEMENTS BEFORE THE START OF SITE GRUBBING AND EARTHWORK ACTIVITY.
5. TEMPORARY SITE SLOPE TREATMENTS FOR SOIL STABILIZATION SHALL CONSIST OF HAY, STRAW, FIBER MULCH, RIP RAP OR PROTECTIVE COVERS SUCH AS MAT OR FIBER LINING (BURLAP, JUTE, FIBERGLASS NETTING, AND EXCELSIOR OR EQUAL PRODUCTS). THESE AND OTHER ACCEPTABLE MEASURES SHALL BE INCORPORATED INTO THE SITE WORK AS WARRANTED OR AS ORDERED BY THE ENGINEER.
6. CONSTRUCTION SITES ARE DYNAMIC, THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND OR MOVEMENT AND MAINTENANCE OF EROSION CONTROLS, SOIL STABILIZATION AND SEDIMENT CONTROL MEASURES AS NEEDED TO MAXIMIZE THE INTENT OF THE PLAN FOR ALL SITE CONDITIONS THROUGHOUT THE CONSTRUCTION PERIOD.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERIODIC INSPECTION, MAINTENANCE, REPAIR, AND REPLACEMENT OF EROSION CONTROLS, SOIL STABILIZATION AND SEDIMENT CONTROL DEVICES UNTIL AN ACCEPTABLE PERMANENT VEGETATIVE GROWTH IS ESTABLISHED. THE CONTRACTOR SHALL MAINTAIN A DETAIL LOG OF ALL EROSION CONTROL INSPECTIONS, COMPLAINTS RELATED TO EROSION OR SEDIMENT, AND CORRECTIVE REMEDIAL MEASURES TAKEN THROUGHOUT THE COURSE OF THE PROJECT CONSTRUCTION.
8. SOIL EROSION AND SEDIMENT CONTROL IS NOT LIMITED TO DAMAGES CAUSED BY WATER BUT ALSO INCLUDES EROSION AND SEDIMENT RESULTING FROM WINDS. MEASURES, SUCH AS TEMPORARY GROUND COVERS, WATER AND CALCIUM APPLICATIONS ARE TO BE UNDERTAKEN AS NEEDED TO MINIMIZE WIND RELATED SOIL AND DUST CONTROL.
9. STOCK PILES OF EARTH MATERIALS SHALL NOT BE LOCATED NEAR WATERWAYS OR WETLANDS. STOCK PILES SHALL HAVE SIDE SLOPES NO GREATER THAN THIRTY PERCENT (30 %). STOCK PILES SHALL BE SURROUNDED ON THE DOWN GRADIENT OF THE EXISTING GROUND SURFACE BY HAY BALES OR SILT FENCE. THE STOCK PILES SHALL ALSO BE SEEDED OR STABILIZED IN SOME MANNER TO PREVENT SOIL EROSION.
10. THE SMALLEST POSSIBLE SITE AREAS SHALL BE DISTURBED OR EXPOSED AT ONE TIME AND DENUDED SLOPES OR WORK AREAS SHALL NOT BE LEFT EXPOSED FOR EXCESSIVE PERIODS OF TIME, SUCH AS INACTIVE PERIODS OR SITE WORK SHUT DOWNS.
11. TO THE EXTENT POSSIBLE, ALL DISTURBED AREAS MUST BE SEEDED OR STABILIZED WITHIN THE CONSTRUCTION SEASON. STABILIZATION OF ONE FORM OR ANOTHER SHALL BE ACHIEVED WITHIN FIFTEEN (15) DAYS OF FINAL GRADING.
12. EXPOSED STEEP OR LONG SLOPES SHOULD BE TREATED WITH "CRIMPING" OR "TRACKING" TO REDUCE EROSION AND SEDIMENT AND TO TACK DOWN SEEDING OR MULCH APPLICATIONS.
13. IF CONCRETE IS TO BE USED ON SITE, THE CONTRACTOR MUST ESTABLISH AND MAINTAIN SPECIFIC WASHOUT AREAS FOR THE CONCRETE TRUCKS WITH APPROPRIATE PROTECTION CONTROLS.
14. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING COLLECTION AND STORAGE LOCATIONS ON-SITE FOR ALL CONSTRUCTION DEBRIS AND TRASH SO THAT THIS MATERIAL DOES NOT BECOME A NEIGHBORHOOD NUISANCE.
15. EXISTING TREES AND VEGETATION WILL BE RETAINED WHENEVER FEASIBLE.
16. SITE SOIL EROSION AND SOIL STABILIZATION AND SEDIMENT CONTROLS MUST CONFORM TO ALL REQUIREMENTS OF THE APPLICABLE LOCAL COMMUNITY ORDINANCES AND STATE REGULATIONS.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
REVIEWED SITE PLAN APPLICATION # 22-0244
DATED: NOV 01 2022
SEE LETTER OF SAME DATE

Nancy L. Freeman

LEGEND

- SE SOIL EVALUATION (pipe installed)
- 100 EXISTING CONTOUR ELEVATION
- PROPOSED CONTOUR ELEVATION

VEGETATIVE COVER AND PLANTING

1. THE NORMAL ACCEPTABLE SEASONABLE SEEDING DATES ARE APRIL 1ST THROUGH OCTOBER 15TH.
2. TOP SOIL FOR PERMANENT OR LONG TERM TEMPORARY SEEDING SHOULD HAVE A SANDY LOAM TEXTURE, RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS. TOP SOIL SHALL CONFORM WITH RHODE ISLAND SPECIFICATIONS M18.01.
3. THE DESIGN SEED MIX UTILIZED IN ALL DISTURBED AREAS TO BE SEEDED SHALL BE COMPRISED OF THE FOLLOWING:

TYPE	% BY WEIGHT	SEEDING DATE
CREeping RED FESCUE	70	APRIL 1 - JUNE 15
ASTORIA BENTGRASS	5	APRIL 1 - JUNE 15
BIRDFOOT TREFOL	15	AUG. 15 - OCT. 15
PERENNIAL RYE GRASS	10	AUG. 15 - OCT. 15

APPLICATION RATE - 100 LBS PER ACRE

SEED MIX SHALL BE INOCULATED WITHIN 24 - HOURS BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULATION FOR EACH SEED VARIETY. ALTERNATE SEED TYPES DUE TO SITE SPECIFIC CONDITIONS AND SOILS ARE ACCEPTABLE WITH THE ENGINEER'S APPROVAL.

4. IN TOPSOIL SEEDING AREAS, THE CONTRACTOR WILL LIME AND FERTILIZE AS REQUIRED TO COMPLIMENT OR UPGRADE SOIL CONDITIONS.
5. THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY PERMANENT VEGETATIVE COVER AREAS THAT DO NOT DEVELOP OR WHICH ERODE WITHIN A ONE (1) YEAR

CERTIFICATION:

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 SURVEY: MEASUREMENT SPECIFICATION:

DATA ACCUMULATION SURVEY CLASS III

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

TO PROVIDE INFORMATION IN ORDER TO DESIGN AN OWTS NEW BUILDING CONSTRUCTION.

BY *Richard T. Bzdyma* DATE: 9/07/22
RICHARD T. BZDYRA, PLS. LICENSE #1786; COA # LS-480

SEP - 7 2022

Ocean State Planners, Inc.

SURVEYORS • DESIGNERS

1255 OAKLAWN AVENUE CRANSTON, RI 02920
PHONE (401) 463-9696 EMAIL: info@osplanners.com

REVISION:
SEPTEMBER 7, 2022

DATE: JUNE 22, 2022

DRAWN BY: OSP

SCALE: 1" = 100'

GRAPHIC SCALE

0 50 100 150 200

SHEET

1

OF 2 SHEETS

JOB NO. 9986

DWG. NO. 9986 - WET

SITE PLAN FOR RIDEM WETLANDS
NEW CONSTRUCTION/SUBDIVISION APPLICATION
A.P. 5 LOT 183, 284 OLD SNAKE HILL RD (PARCEL "A")
GLOCESTER, RI
Prepared For:
FRANK AND ROSE SILVA



REFERENCE:
 1. DEED BK. 340 PG. 2
 2. DEED BK. 218 PG. 275

- NOTE:
- FEMA ZONE X / MAP #44007C0235G / EFFECTIVE: 03-02-2009
 - SITE IS NOT WITHIN A NATURAL HERITAGE AREA.
 - SITE IS NOT WITHIN A WELLHEAD PROTECTION AREA.
 - SITE IS NOT WITHIN THE SCITUATE RESERVOIR WATERSHED.
 - NO KNOWN HISTORIC CEMETERIES ON OR WITHIN 25 FT. OF SITE.
 - NO AGRICULTURAL USE ON SITE.
 - SOIL LOCATIONS ARE APPROXIMATE FROM USDA SOIL SURVEY.
 - ChB AND SuB SOIL TYPES ARE SUITABLE FOR DEVELOPMENT, Rf SOILS ARE NOT SUITABLE FOR DEVELOPMENT.
 - THERE ARE NO SLOPES IN EXCESS OF 20% WITHIN THE DEVELOPMENT PARCEL.
 - TOTAL LAND UNSUITABLE FOR DEVELOPMENT: 143,953 S.F. (3.30 AC.)
 - TWO PROPOSED BUILDABLE LOTS
 - NO PROPOSED EASEMENTS OR RIGHTS OF WAY WITHIN SUBDIVISION.

RAIN GARDEN CALCULATIONS:
 DWELLING IMPERMEABLE TRIBUTARY AREA = 2,802 S.F. ~ 2,700 S.F.
 TRIB. AREA TO GARDEN SQUARE FOOTAGE CONVERSION = 0.16"
 *FROM RI SMG TABLE 5.
 2,700 S.F. * 0.16 = 432 S.F. RAIN GARDEN AREA REQUIRED.
 TWO RAIN GARDENS PROPOSED:

RAIN GARDEN ONE
 LENGTH = 22 FT, WIDTH = 11 FT.
 22 FT. * 11 FT. = 242 S.F. RAIN GARDEN PROPOSED.

RAIN GARDEN TWO
 LENGTH = 20 FT, WIDTH = 10 FT.
 20 FT. * 10 FT. = 200 S.F. RAIN GARDEN PROPOSED.

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	MEASUREMENT SPECIFICATION
LIMITED CONTENT BOUNDARY SURVEY	CLASS I
DATA ACCUMULATION SURVEY	CLASS III
COMPILATION MAP SURVEY	CLASS IV

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.

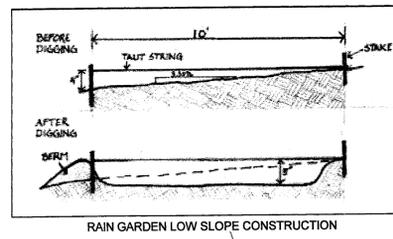
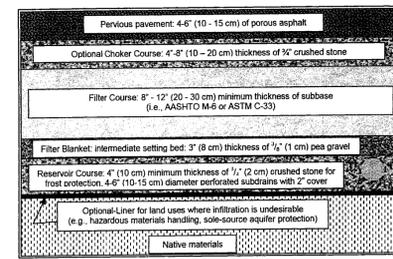
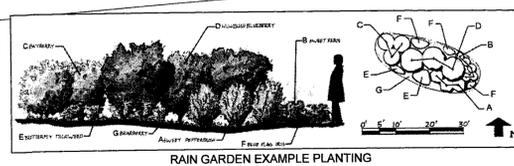
BY: *Richard T. Bzoyra* DATE: 9/6/22
 RICHARD T. BZOYRA, PLS. LICENSE #1789, COA # LS-A60

A.P. 5 / LOT 172
 N/F
 ARTHUR G. & PATTIA LAVOIE

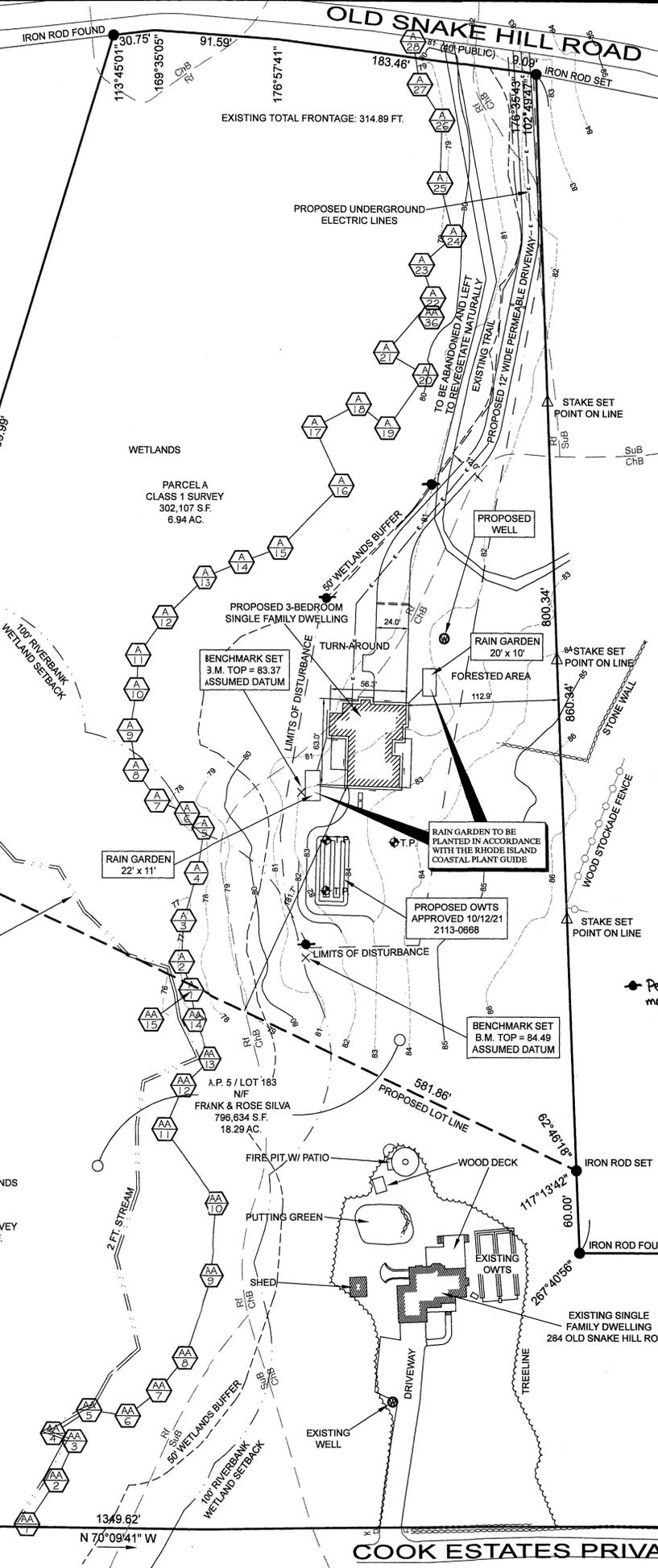


A.P. 5 / LOT 58
 N/F
 DAVID J. DECAST JR.

A.P. 5 / LOT 80
 N/F
 WEST GLOUCESTER, LLC



A.P. 5 / LOT 171
 N/F
 HENRY & JOYCE GOLD



GENERAL
 1. 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 ORDER, SAID ORDERS SHALL SUPERCEDE THE REQUIREMENTS SPECIFIED ON THIS PLAN.
 2. 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 TOWN OF GLOUCESTER OR THE STATE OF RHODE ISLAND, THEIR AGENTS, OR OTHER REGULATORY AGENCIES.

EROSION CONTROL MEASURES
 1. 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 ORDER ISSUED BY THE REGULATORY AGENCY HAVING JURISDICTION OVER THIS PROJECT.
 2. 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.
 3. 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.
 4. 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.
 5. 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.

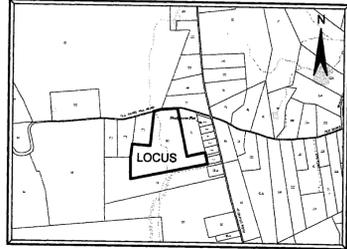
GENERAL CONSTRUCTION REQUIREMENTS
 1. NO ON-SITE DISPOSAL OF SOLID WASTE, INCLUDING BUILDING MATERIALS, IS ALLOWED. THE BURIAL OF STUMPS, DEMOLITION DEBRIS, CONSTRUCTION DEBRIS OR OTHER MATERIAL SHALL NOT BE ALLOWED ANYWHERE ON-SITE.
 2. NO MATERIALS SHALL BE DISPOSED OF INTO EXISTING OR PROPOSED SEWER 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.
 3. 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
 1. 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 PLACES UNTIL ALL TRIBUTARY SURFACES HAVE BEEN FULLY STABILIZED.
 2. 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.
 3. 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: HAY BALES, SILT FENCE AND CRUSHED STONE.
 4. THE CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL ON-SITE AND SHALL UTILIZED EROSION CONTROL MEASURES WHERE NEEDED, REGARDLESS OF WHETHER THE MEASURES ARE SPECIFIED HEREIN, ON THE PLAN OR IN ANY ORDERS.

PRELIMINARY SITE WORK
 1. 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.
 2. 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.
 3. IF INTENSE RAINFALL IS ANTICIPATED, THE INSTALLATION OF SUPPLEMENTAL HAY BALE DIKES, SILT FENCES, OR ARMORED DIKES SHALL BE UTILIZED.

A.P. 5 / LOT	OLD AREA	NEW AREA	BUILDABLE AREA	UNSUITABLE AREA
LOT 183	796,634 S.F. (18.29 AC.)	0 S.F. (0 AC.)	250,516 S.F. (5.92 AC.)	546,118 S.F. (12.90 AC.)
PARCEL A	0 S.F. (0 AC.)	302,107 S.F. (6.94 AC.)	105,830 S.F. (2.50 AC.)	196,277 S.F. (4.48 AC.)
PARCEL B	0 S.F. (0 AC.)	494,527 S.F. (11.35 AC.)	144,686 S.F. (3.42 AC.)	349,841 S.F. (8.26 AC.)

AREA TO BE CONVEYED = 796,634 S.F. (18.29 AC.)
 TOTAL AREA = 796,634 S.F. (18.29 AC.)



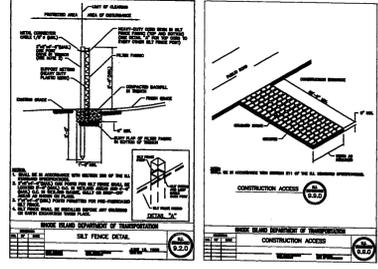
LOCUS MAP
 NOT TO SCALE

ZONING DISTRICT A-4
 SINGLE FAMILY

MINIMUM LOT AREA: 4 ACRES
 MINIMUM LOT WIDTH: 350 FT.
 MINIMUM SETBACKS: FRONT: 75 FT.
 SIDE: 50 FT.
 REAR: 100 FT.
 MAXIMUM STRUCTURE HEIGHT: 35 FT.
 MAXIMUM ACCESSORY HEIGHT: 25 FT.
 MAXIMUM LOT COVERAGE: 4%

- LEGEND**
- IRON ROD
 - ▲ SPIKE SET
 - STAKE SET
 - ◊ WETLANDS FLAG
 - ⊕ TEST PIPE
 - × BENCHMARK

RI Environmental Management
 SEP 7 2022
 Office of Water Resources



RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 REVIEWED SITE PLAN APPLICATION #: 22-0244
 DATED: NOV 01 2022
 SEE LETTER OF SAME DATE
Nancy L. Freeman

A.P. 5A / LOT 2
 N/F
 BLANCHE COURTOIS

RIDEM
 FRESHWATER WETLANDS SUBMISSION
 SILVA PLAT
 PROPOSED SUBDIVISION PLAN

A.P. 5 / LOT 183
 N/F
 284 OLD SNAKE HILL ROAD
 GLOUCESTER, R.I. 02814
 SCALE: 1"=50' DATE: JUNE 22, 2022
 REVISION: SEPTEMBER 7, 2022

OWNER/APPLICANT:
 FRANK SILVA
 284 OLD SNAKE HILL ROAD, GLOUCESTER, R.I. 02814
 PHONE: (401) 255-1756

PREPARED BY:
 OCEAN STATE PLANNERS, INC.
 1255 OAKLAWN AVENUE, CRANSTON, RI 02920
 PHONE: (401) 483-9696 info@osplanners.com
 JOB NO. 9986 / DWG. NO. 9986 - RIDEM - (AJB)
 SHEET: 2 OF 2
 GRAPHIC SCALE 1" = 50'

