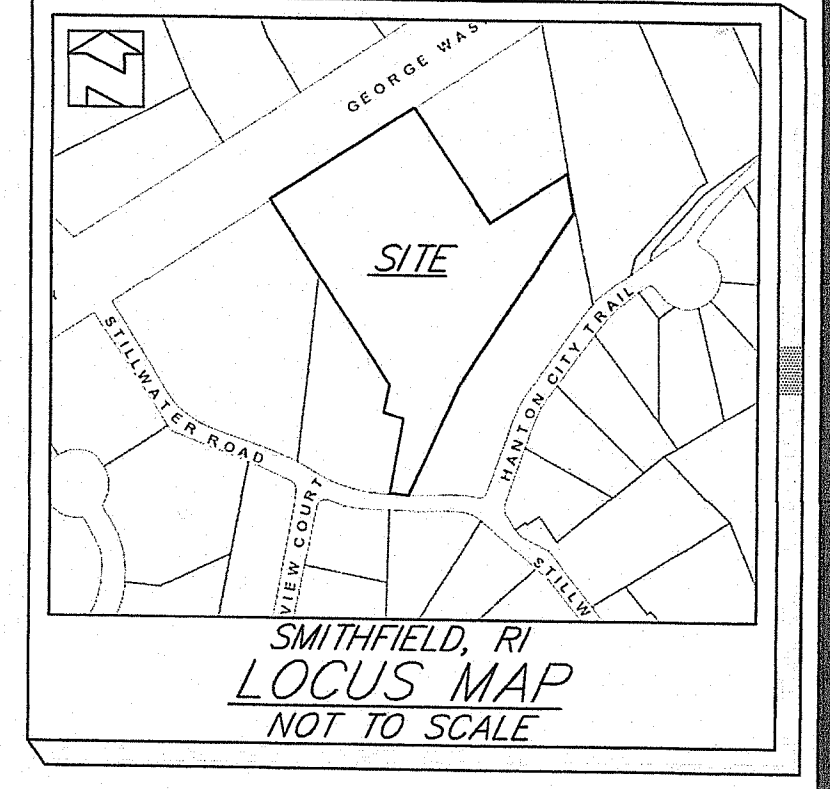
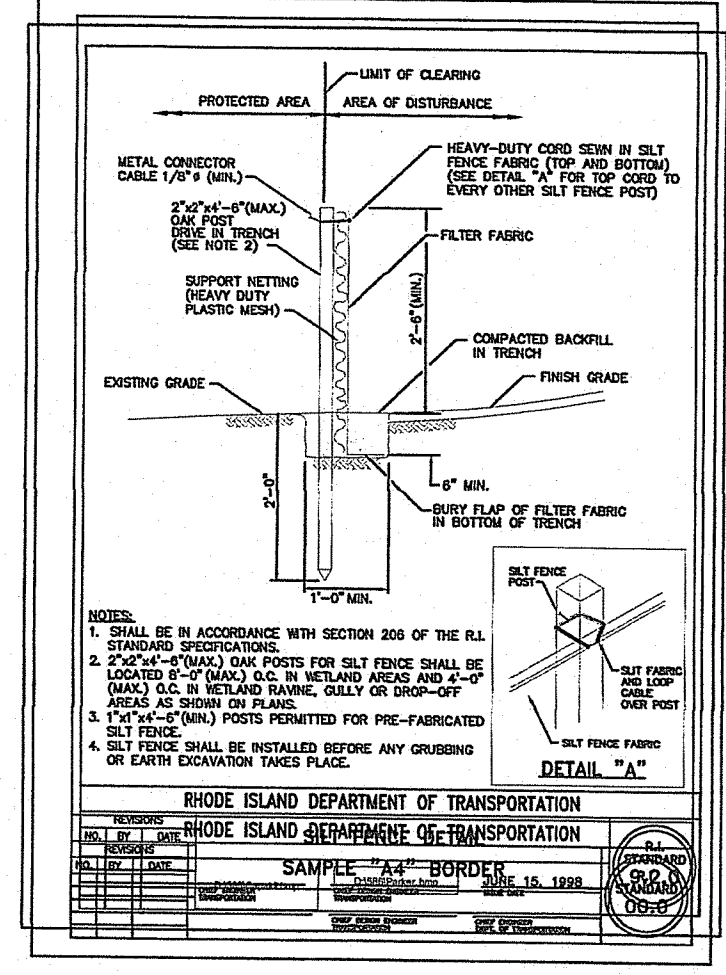
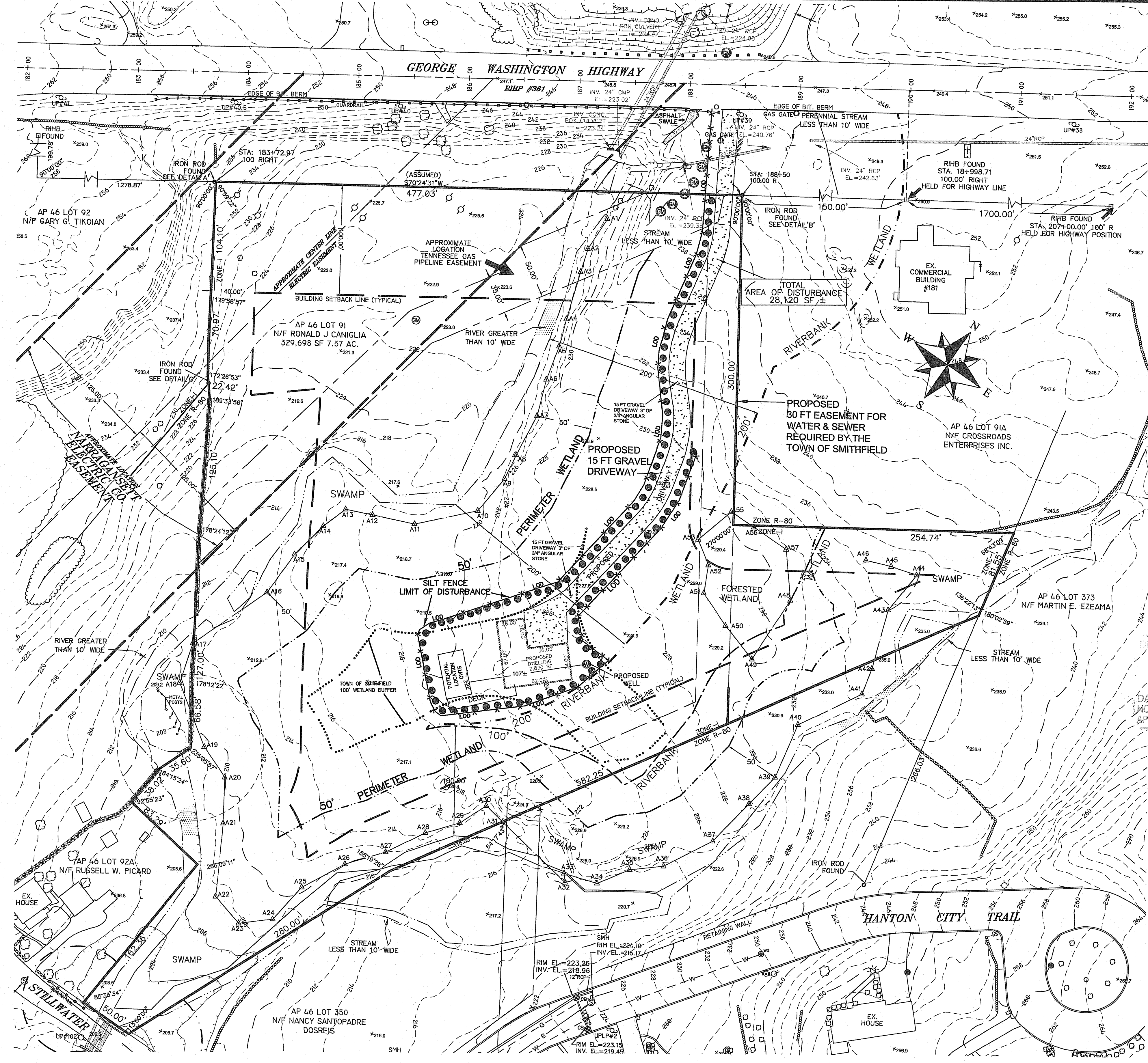


- Legend:**
- 24" RCP = REINFORCED CONCRETE PIPE
 - 48" CMP = CORRUGATED METAL PIPE
 - ⊙ = EXISTING SEWER MANHOLE
 - UP#1 = UTILITY POLE
 - RHFB FOUND = RHODE ISLAND HIGHWAY BOUND
 - 227' = EXISTING CONTOURS
 - ⊙ = EXISTING GAS MARKER
 - - - = SUBJECT PROPERTY LINE
 - - - = ADJUTER PROPERTY LINE
 - - - = EDGE OF ELECTRIC EASEMENT
 - - - = EXISTING STREAM
 - - - = EXISTING STONE WALL
 - - - = BUILDING SETBACK
 - - - = WETLAND FLAG
 - - - = 50' PERIMETER WETLAND
 - - - = TOWN OF SMITHFIELD 100' WETLAND BUFFER
 - - - = 100' RIVERBANK WETLAND
 - - - = 200' RIVERBANK WETLAND
 - = THUJA OCCIDENTALIS NORTHERN WHITE CEDAR PLANTED 10' ON CENTER
 - - - = LIMIT OF DISTURBANCE & EROSION CONTROL LIMIT



- REFERENCE PLANS:**
- MINOR SUBDIVISION OF LAND PLAN AP 46 LOT 91 SMITHFIELD, RI, OWNER GOLD REALTY CO., P.O. BOX 996 PAWTUCKET, RI, TEL. # 401-724-3200 SCALE: 1" = 60' DRAWN: J.T. BY N. VELTRI SURVEY, INC. SURVEYING - LAND PLANNING 266 PUTNAM FIRE SMITHFIELD, R.I. 02917 (401) 231-9200 FOUND IN PLAT BOOK 5 PAGE 43
 - DELAIR SUBDIVISION MINOR SUBDIVISION - DEFINITIVE PLAN FOR OWNER, DELAIR REALTY, LLC P.O. BOX 999 PAWTUCKET, R.I. 02862 A.P. 46, LOT 90 GEORGE WASHINGTON HIGHWAY & HANTON CITY TRAIL TOTAL AREA = 14.6308 ACRES SMITHFIELD RHODE ISLAND BY N. VELTRI SURVEY, INC. SURVEYING - LAND PLANNING 266 PUTNAM FIRE SMITHFIELD, R.I. 02917 (401) 231-9200 FOUND IN PLAT BOOK 5 PAGE 69
 - RHODE ISLAND HIGHWAY PLAN # 361
 - SMITHFIELD, RI EXISTING CONDITIONS PLAN PREPARED FOR JAY RUOTOLO CLASS 1 SURVEY OF AP 46 LOT 91 GEORGE WASHINGTON HWY. & STILLWATER ROAD BY MARSH SURVEYING INC. 640 GEO. WASH. HWY. LINCOLN, RI (401) 334-0600 ZONE - INDUSTRIAL APRIL 13, 2006

- NOTES:**
- THIS PARCEL LIES WITHIN ZONE X FOUND ON FLOOD INSURANCE RATE MAP COMMUNITY-PANEL NUMBER 44007C0167H ZONE X = AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN. MAP REVISED: OCTOBER 2, 2015
 - HORIZONTAL DATA ON THIS PLAN WAS OBTAINED BY FIELD SURVEY.
 - BUILDING SETBACK LINES SHOWN MUST BE REVIEWED AND APPROVED BY THE TOWN OF SMITHFIELD ZONING OFFICIAL FOR ACCURACY / INTERPRETATION.
 - THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE CONTRACTOR SHALL NOTIFY "DIG-SAFE" PRIOR TO EXCAVATION AND SHALL NOTIFY LOCAL UTILITY COMPANIES BEFORE COMMENCEMENT OF WORK TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES AND RELOCATE UTILITIES AS REQUESTED SHOULD THERE BE A CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
 - TOPOGRAPHIC CONDITIONS SHOWN TAKEN FROM REFERENCE PLAN # 4.
 - GAS & WATER ON HANTON CITY TRAIL TAKEN FROM REF. PLAN # 1 AND SHOULD BE CONSIDERED APPROXIMATE.
 - ENGINEERING DESIGN TO BE SUPPLIED BY OTHERS.
 - TOTAL OF DISTURBANCE = 28,120 SF ±

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED 4/6/21 FILE # 20-0241
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

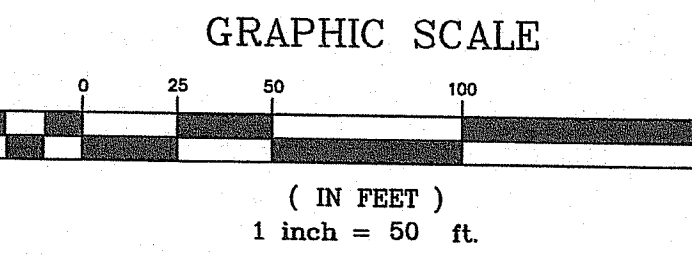
Martin D. Wencsek

ZONING: INDUSTRIAL

MIN. AREA = 200,000 S.F. AND 40,000 S.F. FOR INDUSTRIAL CLUSTER
MIN. FRONTAGE AND LOT WIDTH = 300 FT.
MIN. FRONT YARD = 100 FT.
MIN. SIDE YARD = 40 FT.
MIN. REAR YARD = 50 FT.
MAX. LOT COVERAGE = 50%.
MAX. HEIGHT = 45'
(SEE REGULATIONS FOR ADDITIONAL INF..)

**SMITHFIELD, RI
PROPOSED IMPROVEMENTS**
PREPARED FOR
RONALD J. CANIGLIA
SURVEY OF
A.P. 46 LOT 91
GEORGE WASHINGTON HWY. &
STILLWATER ROAD
BY

450 GEO. WASH. HWY. SMITHFIELD, RI
PHONE: (401) 231-0800

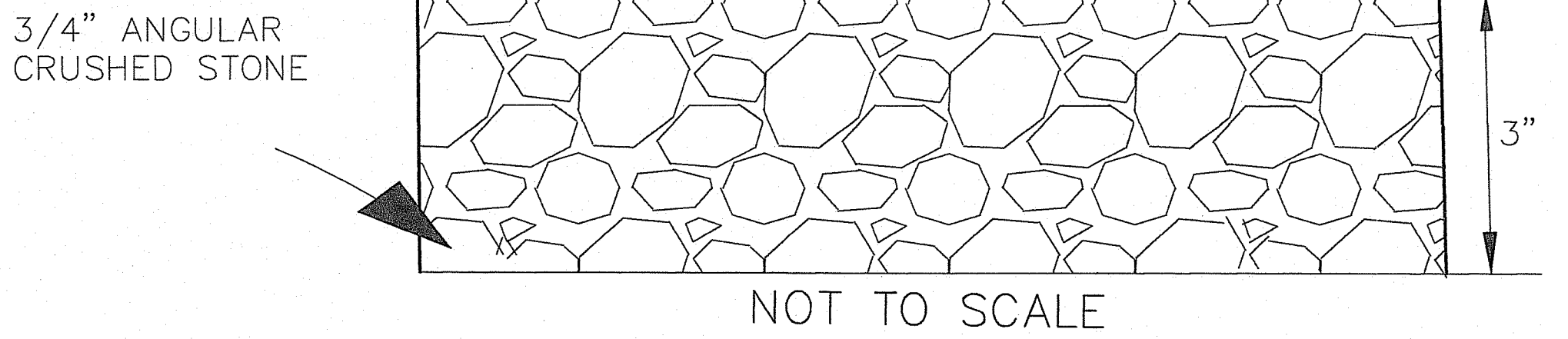
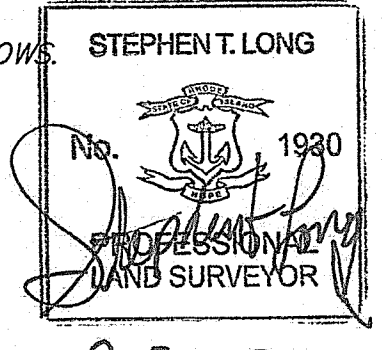


Advanced Civil Design, Inc.
SITE/CIVIL ENGINEERS
88 PEPTOAD ROAD
SQUATTA, RI 02857
PH: (401) 473-4404

CURTIS S. RUOTOLO
No. 8756
REGISTERED PROFESSIONAL ENGINEER (CIVIL)
3/15/2021
Stamp for Engineering Purposes Only

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, EFFECTIVE, JANUARY 2016
THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THIS PLAN IS AS FOLLOWS:
BUILDING LOCATION SURVEY / PROPOSED IMPROVEMENTS
LIMITED CONTENT BOUNDARY SURVEY - MEASUREMENT SPECIFICATION - 1
TOPOGRAPHIC SURVEY ACCURACY T-2

BY: *Stephen T. Long*
STEPHEN T. LONG, No. 1430
C.O.A. LS-A538

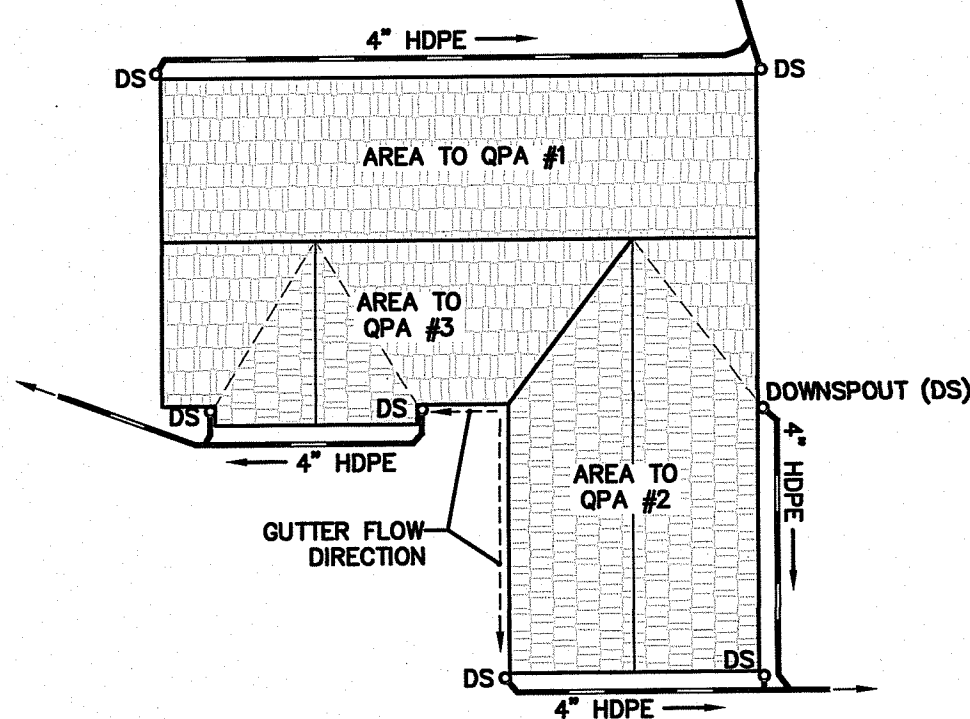


NO.	DATE	DESCRIPTION	BY
1.	7/29/20	REVISE HOUSE SIZE, LOD, POOL	MCL
2.	8/10/20	REVISE TRENCH CROSSING	MCL
3.	9/1/20	REVISE HOUSE, DRIVEWAY	MCL
4.	9/30/20	REVISE HOUSE, DRIVEWAY	MCL
5.	10/14/20	REVISE TITLE BLOCK	MCL
6.	10/20/20	AREA OF DISTURBANCE	MCL
7.	10/26/20	DETAIL, VARIOUS EDITS	MCL
7.	1/9/21	WETLAND REVISIONS	NMS

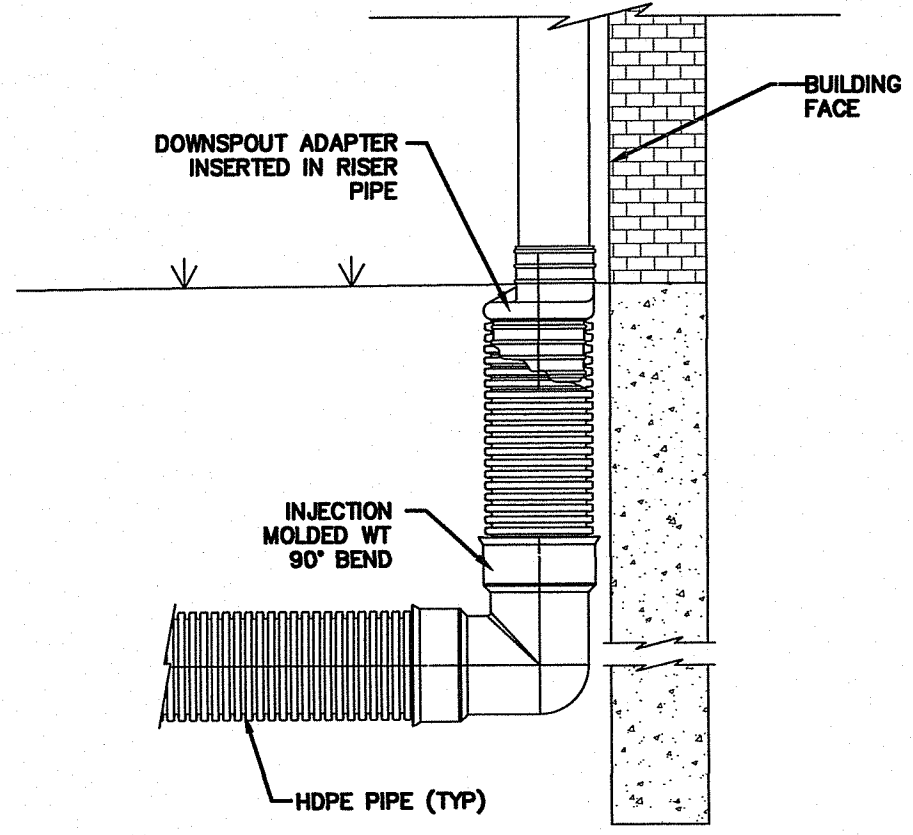
DRAWING NO.
1
SHEET 1 OF 2

THIS PLAN TO BE INDEXED BY THE FOLLOWING:
GEORGE WASHINGTON HWY.
STILLWATER ROAD

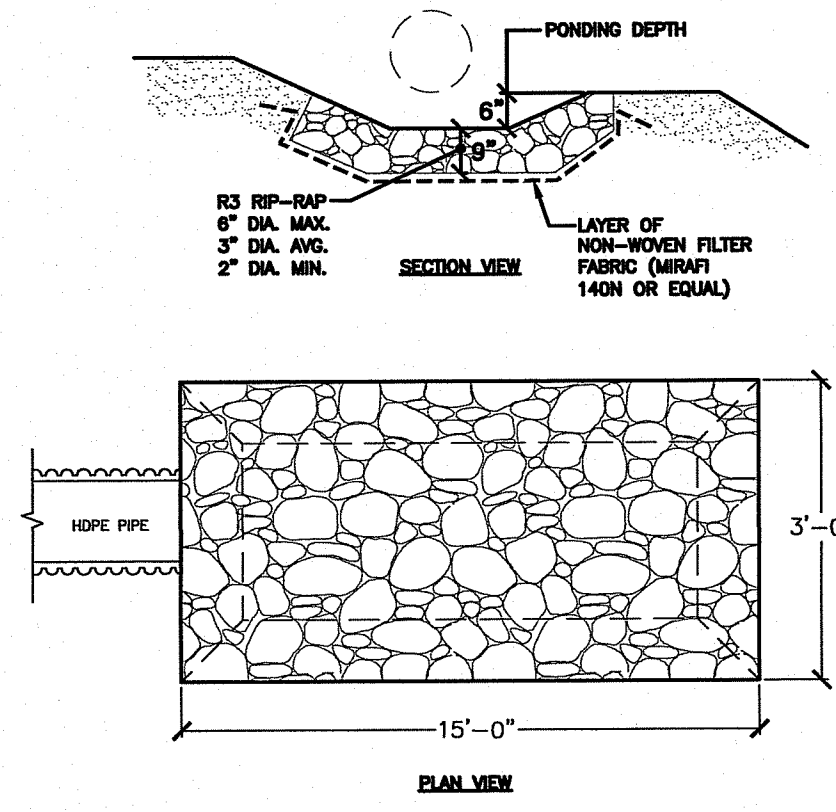
ROOF DRAIN AND DOWNSPOUT LOCATIONS ARE SHOWN FOR INTENDED ROUTING OF STORMWATER RUNOFF FROM ROOF AREA REQUIRED TO EACH QUALIFYING PERVIOUS AREA (QPA). FINAL ROOF DRAIN ROUTING SHALL BE COORDINATED ON SITE WITH OTHER UTILITIES AND IMPROVEMENTS, BUT SHALL ROUTE TO THE INTENDED LOCATIONS AS SHOWN ON THIS PLAN.



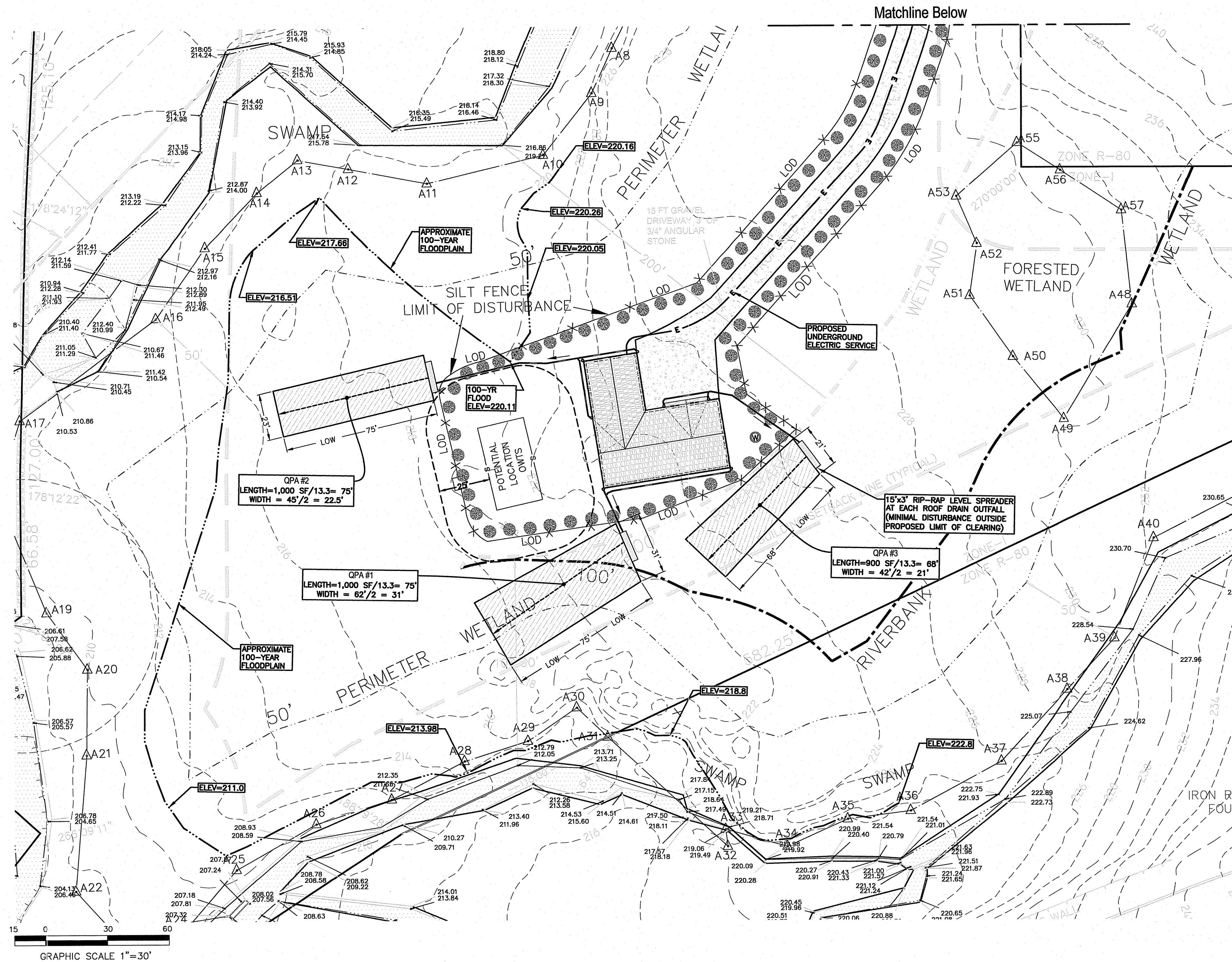
PROPOSED ROOF DRAIN PLAN
1"=20'



ROOF DRAIN DOWNSPOUT CONNECTION
NOT TO SCALE



RIP-RAP LEVEL SPREADER DETAIL
NOT TO SCALE

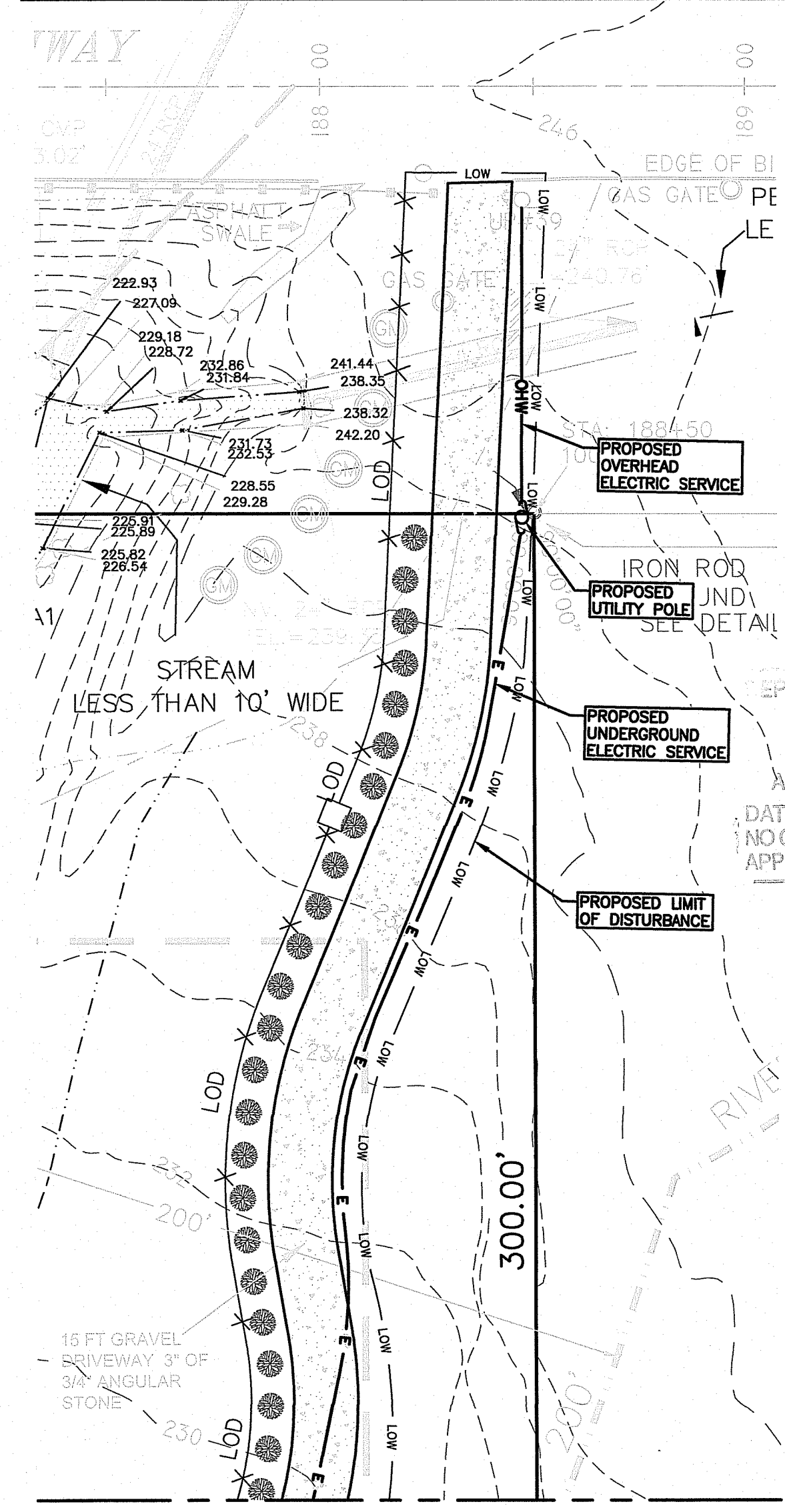


Stormwater Management Practices for Individual Single-Family Residential Lots

A. Qualifying Pervious Areas

Qualifying Pervious Areas (QPAs) are natural or restored upland vegetated areas that meet specific requirements such as maximum slope and soil characteristics, which can be used to infiltrate storm water runoff. Wetland areas or coastal features may not be used as QPAs, with the exception of perimeter or riverbank wetlands as defined in DEM Rules Section 4.00. For individual single-family residential lot applications, QPAs must be areas of vegetation that are not highly managed or fertilized. Lawn areas may not be used as QPAs for individual single-family residential projects. In general, QPAs are relatively flat with well-drained soils, and receive small volumes of runoff as sheet (unconcentrated) flow. To utilize this practice, simply direct storm water flow to an area that meets the criteria in Table 3 below.

Table 3. Minimum Criteria for Qualifying Pervious Areas on Single-Family Residential Lots	
Drainage Area and Size	<ul style="list-style-type: none"> The rooftop, driveway or parking area draining to any one QPA cannot exceed 1,000 ft². For roof runoff, the length of the flow path through the QPA shall be equal to or greater than the contributing rooftop area divided by 13.3. The width of the QPA shall be equal to or greater than the length of the contributing rooftop area. For driveway runoff, the length and width of the QPA shall be no less than the length and width of the driveway. For example, if a driveway is 15 feet wide and 40 feet long, the QPA width shall be no less than 15 feet wide and 40 feet long.
Location	<ul style="list-style-type: none"> In locations where there is a history of groundwater seepage and/or basement flooding, QPAs should not be utilized. The flow path through the QPA must be 25 feet from any onsite wastewater treatment system (OWTS). The slope of the QPA shall be less than or equal to 5.0%. Although they may abut, there shall be no overlap between QPAs. For example, the runoff from two 1,000 ft² sections of roof must be directed to separate QPAs. They shall not be directed to the same area.
Conveyance	<ul style="list-style-type: none"> Lawn areas may not be used as QPAs for individual single-family residential lots. Stormwater runoff may be conveyed across a lawn area to a QPA provided the area of lawn between the discharge point and the QPA is less than 25 feet wide. Wetlands and coastal features may not be used as QPAs, however part or all of an upland buffer zone, perimeter wetland or riverbank wetland (as defined in DEM Rules Section 4.00) may be used as a QPA. Activities such as planting or alteration of vegetation within a coastal buffer zone will require additional written approval from CRMC. To prevent basement seepage, at a minimum, runoff must be directed away from the building foundation and be infiltrated at the QPA at least 10 feet away from the foundation. Downspouts must discharge at least 10 feet away from the nearest impervious surface to prevent reconnection to any storm sewers. Downspouts must include appropriate provisions, such as a splash block or level spreader to induce non-erosive sheet flow.



Matchline Above

General Notes:

- EXISTING CONDITIONS AND PROPERTY LINE SURVEY WAS PROVIDED BY MARSH & LONG SURVEYING, INC. 450 GEORGE WASHINGTON HIGHWAY, SMITHFIELD, RI 02917.
- WETLAND FLAGS SHOWN ON THIS PLAN WERE DELINEATED BY NATURAL RESOURCE SERVICES, INC. OF BURRILLVILLE, RI.
- THE CONTRACTOR SHALL NOTIFY DIG-SAFE 72 HOURS PRIOR TO START OF CONSTRUCTION.
- PROPER EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO EARTH DISTURBING ACTIVITIES. THIS SHALL INCLUDE, AT A MINIMUM, SILT FENCE OR APPROVED EQUAL AT ALL DOWN GRADIENT AREAS AND A CRUSHED STONE CONSTRUCTION TRACKING PAD.
- LOCATION OF EXISTING UTILITIES SHOWN, ARE FROM GATE LOCATION AND EXISTING DOCUMENTATION, AND MAY NOT BE ACCURATE. EXACT LOCATION TO BE DONE BY THE APPROPRIATE UTILITY COMPANY OR MUNICIPALITY PRIOR TO EXCAVATION.
- THE DWELLING IS TO BE SERVICED BY AN ONSITE WASTEWATER TREATMENT SYSTEM AND PRIVATE WELL.

Advanced Civil Design, Inc.

SITE/CIVIL ENGINEERS
88 PEEPTOAD ROAD
SCITUATE, RI 02857
PH: (401) 473-4404

NO.	DATE	REVISION
1	3/2021	ADDRESS RIDEM COMMENTS

PROJECT TITLE:
Proposed Single Family Dwelling
A.P. 48 LOT 91
167 George Washington Highway
Smithfield, Rhode Island

OWNER/APPLICANT:
Ronald J. Caniglia
167 George Washington Highway
Smithfield, Rhode Island

DRAWING TITLE:
PROPOSED STORMWATER TREATMENT SITE PLAN

DATE: 10/9/2020
SCALE: 1"=30'

DESIGNED BY: C.S.R.
CHECKED BY: C.S.R.

CURTIS S. RHOTOLO
3/15/2021
No. 8756
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

DRAWING NO. **2**
SHEET 2 OF 2

Environmental Management
APR 01 2021
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN PERMITS OF APPROVAL
DATED AUG 11 2021 FILE # 20-C241
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Martin D. Wenczek