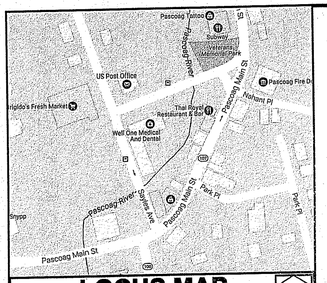


LOCUS MAP

NOT TO SCALE

NOTES:

1. THE ENTIRE SITE IS WITHIN THE 200 FOOT RIVERBANK WETLAND ASSOCIATED WITH THE PASCOAG RIVER .

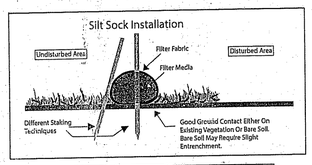
2. THE PROPOSED ADDITION IS ABOVE THE AE FLOOD ZONE ELEVATION .

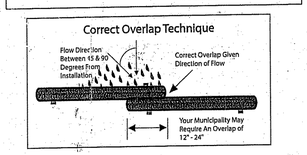
3. NO GRADE CHANGES ARE PROPOSED WITHIN IDENTIFIED LIMIT OF DISTURBANCE .

4. FLOOD PLAIN ELEVATION AT ELEVATION 408.0 AS PER FIRM MAP NUMBER 44007C0130G PANEL 130 OF 451 EFFECTIVE DAT MARCH 2, 2009

5. THE LOCATION AND DEPTH OF EXISTING UTILITIES ARE APPROXIMATE AND HAVE BEEN PLOTTED FROM THE LATEST AVAILABLE INFORMATION. THE UTILITY LOCATIONS ARE APPROXIMATE AND MAY NOT BE ALL INCLUSIVE. THE CONTRACTOR SHALL CHECK AND VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, BOTH OVERHEAD AND UNDERGROUND, AND "DIG-SAFE" MUST BE NOTIFIED PRIOR TO COMMENCING ANY CONSTRUCTION OPERATIONS. RESTORATION AND REPAIR OF DAMAGE TO EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WITH NO ADDITIONAL COST THE OWNER. NO EXCAVATION SHALL COMMENCE UNTIL ALL INVOLVED UTILITY COMPANIES AND/OR TOWN WHOSE FACILITIES MIGHT BE AFFECTED BY ANY WORK TO BE PERFORMED BY THE CONTRACTOR ARE NOTIFIED AT LEAST 72 HOURS IN ADVANCE.

1-888-DIG-SAFE
PROTECT YOURSELF, GIVE TWO WORKING DAYS NOTICE





Tables 7. and 8. Rain Garden Sizing Guidance

Rain Garden Surface Area in Sandy Soils (Sands, Loamy Sands and Sandy Loams) (square feet)

Drainage Area (Square feet)	for 4 inch deep garden	for 6 inch deep garden	for 8 inch deep garden
100	19	15	8
200	38	30	16
300	57	45	24
400	76	60	32
500	95	75	40
600	114	90	48
700	133	105	56
800	152	120	64
900	171	135	72
1000	190	150	80

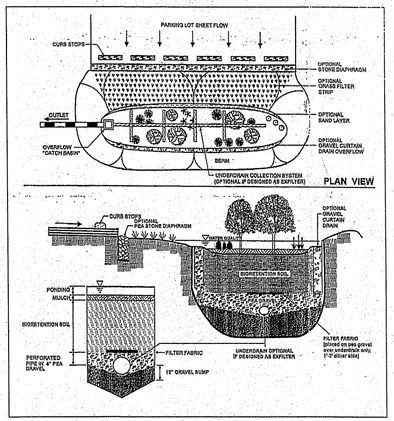
Rain Garden Surface Area in Silty Soils (Loams and Silt Loams) (square feet)

Drainage Area (Square feet)	for 4 inch deep garden	for 6 inch deep garden	for 8 inch deep garden
100	34	25	16
200	68	50	32
300	102	75	48
400	136	100	64
500	170	125	80
600	204	150	96
700	238	175	112
800	272	200	128
900	306	225	144
1000	340	250	160

ZONING CRITERIA

ZONING DISTRICT	VC VILLAGE COMMERCIAL
MINIMUM LOT AREA	NONE
MINIMUM LOT FRONTAGE	NONE
MINIMUM FRONT YARD SETBACK	35'
MINIMUM SIDE YARD SETBACK	15'
MINIMUM REAR YARD SETBACK	30'
MAXIMUM BUILDING COVERAGE	30%
MAXIMUM BUILDING HEIGHT	35'

NO.	DATE	DESCRIPTION	BY
1	2/16/2017	AS PER DEM COMMENTS	WCR



BIORETENTION DETAIL

NOT TO SCALE

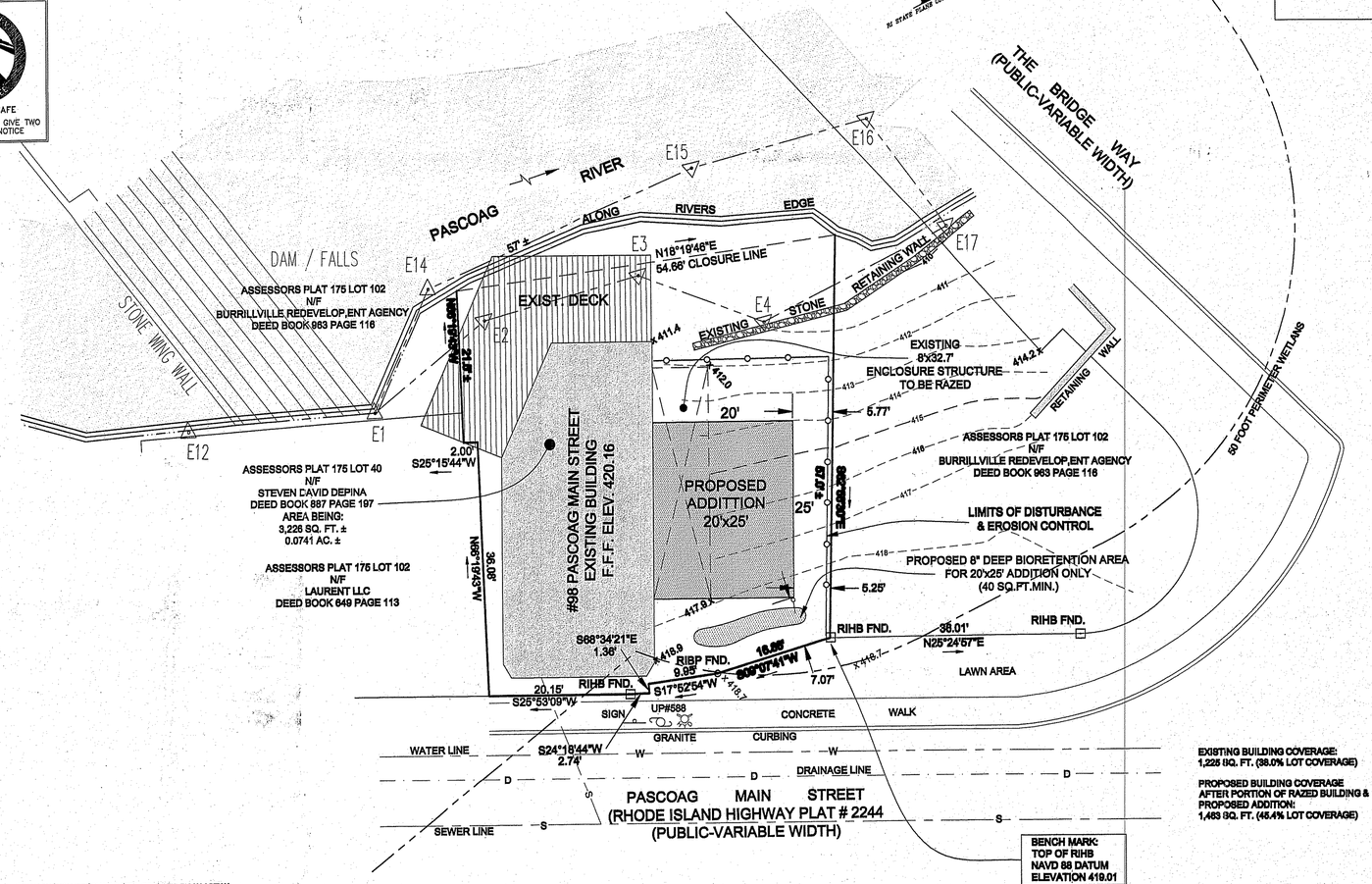
MAINTENANCE

REQUIRED ELEMENTS

- A legally binding and enforceable maintenance agreement shall be executed between the facility owner and the responsible authority to ensure the following:
  - Sediment shall be cleaned out of the sediment forebay when it accumulates to a depth of more than ½ the design depth. Vegetation within the sediment forebay shall be limited to a height of 18 inches. The sediment chamber outlet devices shall be cleaned/repaired when drawdown times exceed 36 hours. Trash and debris shall be removed as necessary.
  - Silt/sediment shall be removed from the filter bed when the accumulation exceeds one inch. When the filtering capacity of the filter diminishes substantially (i.e., when water ponds on the surface of the filter bed for more than 48 hours), the top few inches of discolored material shall be removed and shall be replaced with fresh material. The removed sediments shall be disposed in an acceptable manner at an approved and permitted location.
- For unique installations in extremely tight sites or redevelopment/infill projects where pretreatment strips have been downsized, enhanced maintenance shall be required through more frequent inspections, more frequent sediment removal, and enhanced landscape maintenance.
- During the six months immediately after construction, filter practices shall be inspected following at least the first two precipitation events of at least 1.0 inch to ensure that the system is functioning properly. Thereafter, inspections shall be conducted on an annual basis and after storm events of greater than or equal the 1-year, 24-hour Type III precipitation event.

Design Guidance

- Organic filters or sand filters that have a grass cover should be mowed a minimum of three times per growing season to maintain maximum grass heights less than 12".
- For bioretention areas, pruning or replacement of woody vegetation should occur when dead or dying vegetation is observed. Separation of herbaceous vegetation rootstock should occur when over-crowding is observed, or approximately once every 3 years. If at least 80 percent vegetation coverage is not established after two years, a reinforcement planting should be performed. The mulch layer should be replenished (to the original design depth) every other year, as directed by inspection reports. The previous mulch layer should be removed, and properly disposed of, or roto-tilled into the soil surface.
- Sediment testing may be required prior to sediment disposal when a LUHPPL is present.
- Minor soil erosion gullies should be repaired when they occur.



EXISTING BUILDING COVERAGE:
1,225 SQ. FT. (38.0% LOT COVERAGE)

PROPOSED BUILDING COVERAGE AFTER PORTION OF RAZED BUILDING & PROPOSED ADDITION:
1,463 SQ. FT. (45.4% LOT COVERAGE)

LEGEND

NOT TO SCALE

- BOUNDARY
- ABUTTER
- WETLANDS EDGE
- STREAM
- BUILDING ENVELOPE
- LIMITS OF DISTURBANCE
- IRON PIN
- BOUND
- DRILL HOLE
- x410.0 EXISTING SPOT ELEVATIONS

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED APR 10 2017 FILE # 16-0316
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Wendy L. Freeman

RECEIVED MAR 6 2017

Thomas J. Principe, III
No. 9107
REGISTERED PROFESSIONAL ENGINEER

PRINCIPE COMPANY, INC.
ENGINEERING DIVISION
PO BOX 298
TIVERTON, RI 02878
401.816.5385
PRINCIPEENGINEERING@GMAIL.COM

* I CERTIFY THAT THE INFORMATION SHOWN HEREON HAS BEEN OBTAINED BY AN ACTUAL SURVEY ON THE GROUND, THAT IT IS CORRECT AND THIS SURVEY AND PLAN CONFORM TO A CLASS ____ STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS.

BY: _____
NORBERT A. THERIEN P.L.S.

NORBERT A. THERIEN
No. 1739
PROFESSIONAL LAND SURVEYOR

NATIONAL
Surveyors-Developers Inc.
42 Hamlet Ave., Woonsocket, R.I.
(401) 769-7779

STEVEN DAVID DEPINA
ASSESSORS PLAT 175 LOT 40
98 PASCOAG MAIN STREET
BURRILLVILLE, RHODE ISLAND

PLOT PLAN
SCALE: 1"=10'

DRAWN BY: W.C.R.	CHECKED BY: N.A.T.	FIELD BY: J.N.,R.C.
DECEMBER 2016	JOB No. 2016-257	SHEET 1 OF 1

R.I.D.E.M. COPY