

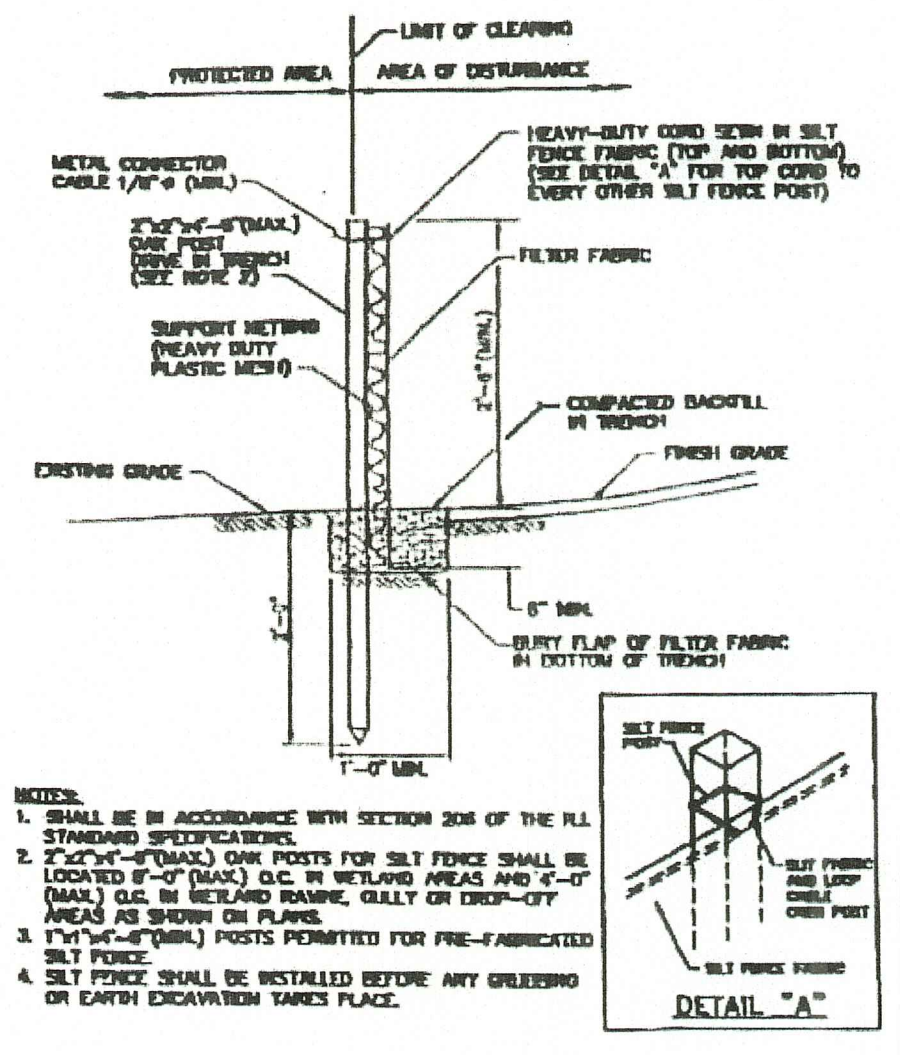
**EROSION CONTROL NOTES**

- Prior to any construction or earthwork activity, a line of stable vegetation under all standing shall be placed on down and established throughout the construction process for each lot.
- All disturbances to be limited to the areas shown, and it is to be kept to an absolute minimum.
- All excavated materials (soil) to be used on landfill shall be stockpiled. This stockpiled material shall be surrounded by silt fencing.
- All excess excavated materials, construction debris etc., shall be removed from the site and disposed of in a proper manner.
- No disturbances shall occur below the silt fence/berm line during construction.
- All disturbances, including backfill and graded areas shall be limited and worked as soon as possible after completion of all construction. All slopes and exposed areas shall be stabilized with straw mulch.
- All silt fencing/berms and silt fence posts shall be placed in place until after the grass has properly rooted, approximately six to eight weeks.
- The following silt fence to be used in all disturbed and exposed areas. Details regarding, however, a minimum of four inches of compacted base to be placed in the affected areas at a rate of 12.4 cubic yards per 1000 square feet.

**SILT FENCE GENERAL PURPOSE**

SILT MIXTURE	LESIACRE	LB/1000 SF
Red Ferns	75	1.75
Kennedy Blueberry	13	.35
Ornamental Bayberry	5	.11
Perennial Blueberry	5	.11

The straw mulch is to be applied at a rate of 30 lbs. per 1000 square feet. The grass seed should be planted between April 1 - June 15 and August 15 - September 30.



**Installation of Silt Fence**

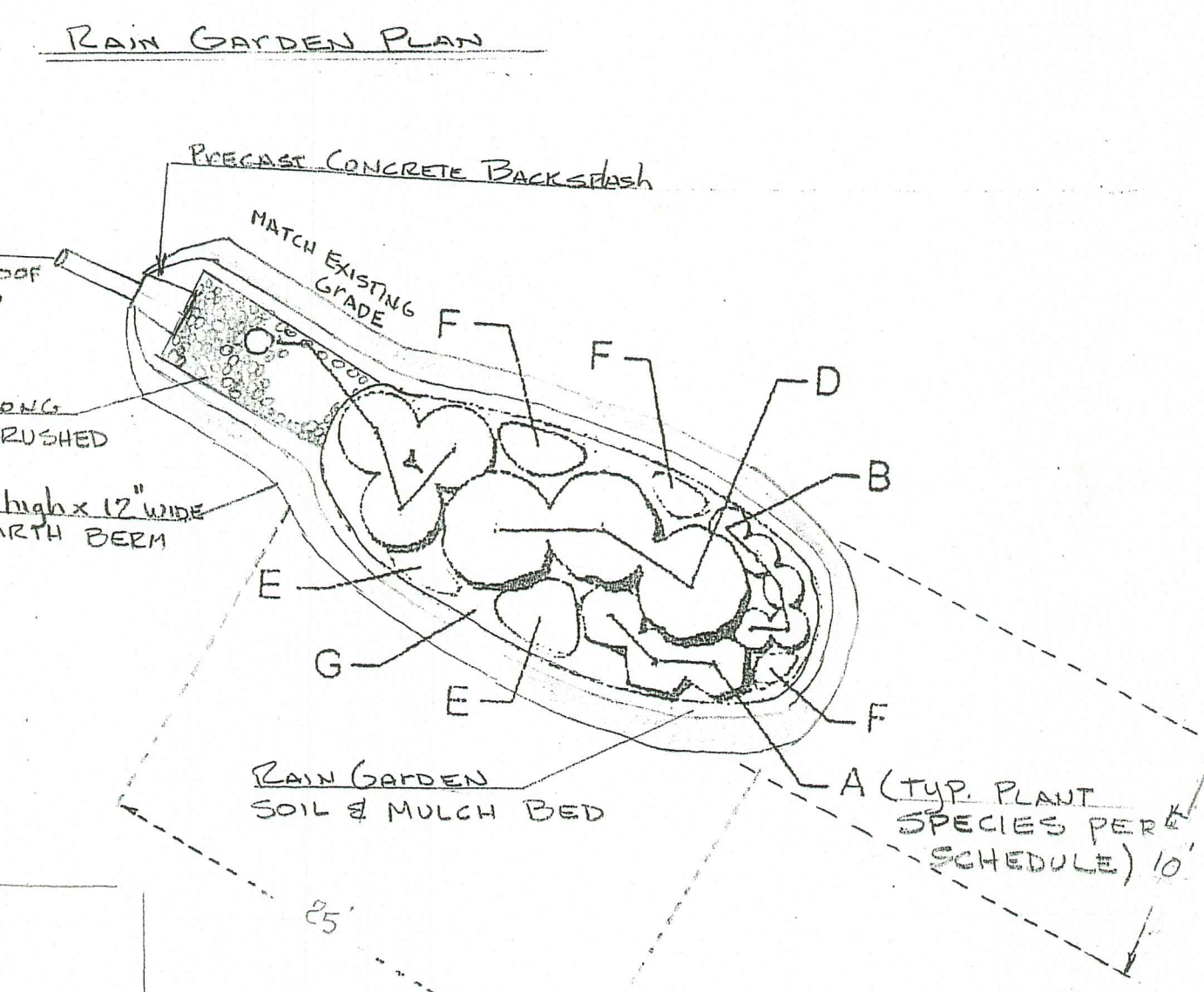
12/16/2016 Extreme Precipitation Tables: 41.658°N, 71.716°W

**Extreme Precipitation Tables**  
Northeast Regional Climate Center  
Data represents point estimates calculated from partial duration series. All precipitation amounts are displayed in inches.

Something	Yes
State	Rhode Island
Location	
Longitude	71.715 degrees West
Latitude	41.658 degrees North
Elevation	0 feet
Date/Time	Fri, 16 Dec 2016 17:13:37 -0500

**Extreme Precipitation Estimates**

Year	1hr	2hr	3hr	6hr	12hr	24hr	48hr	1day	2day	3day	7day	10day
1yr	0.31	0.47	0.59	0.77	0.97	1.21	1.51	1.80	2.09	2.34	2.76	3.03
2yr	0.37	0.57	0.71	0.93	1.17	1.47	1.81	2.13	2.42	2.67	3.13	3.43
5yr	0.43	0.67	0.84	1.13	1.45	1.84	2.25	2.67	3.04	3.34	4.02	4.39
10yr	0.49	0.76	0.96	1.31	1.70	2.18	2.67	3.13	3.53	3.87	4.79	5.17
25yr	0.57	0.91	1.16	1.60	2.11	2.73	3.33	3.97	4.54	5.02	6.20	6.68
50yr	0.64	1.03	1.32	1.85	2.49	3.24	3.97	4.71	5.38	5.91	7.37	7.94
100yr	0.72	1.17	1.51	2.15	2.93	3.85	4.71	5.58	6.37	7.01	8.79	9.46
200yr	0.80	1.25	1.75	2.51	3.46	4.57	5.58	6.58	7.51	8.29	10.41	11.18
500yr	0.99	1.64	2.13	3.09	4.33	5.74	7.01	8.39	9.79	11.44	14.92	16.48
1000yr	1.15	1.85	2.45	3.61	5.00	6.67	8.29	10.00	11.81	13.81	18.18	20.00

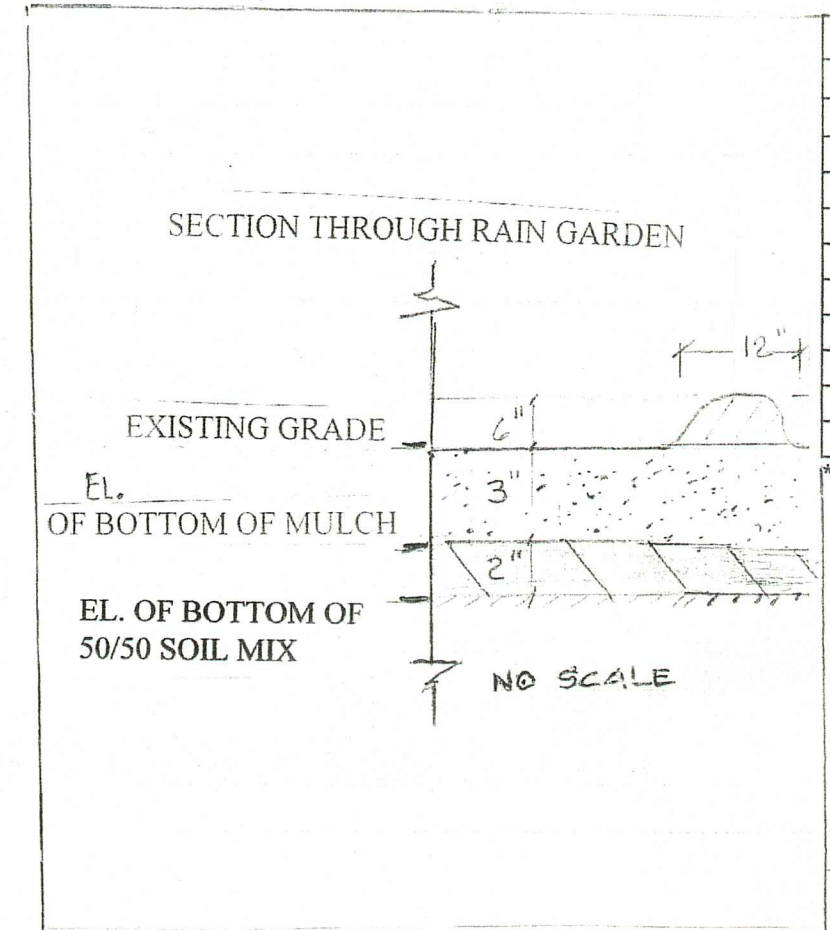


**PLANTING SCHEDULE**

LETTER	TYPICAL PLANT SPECIES
A	SWEET PEPPERBUSH
B	SWEET FERN
C	BAYBERRY
D	HIGHBUSH BLUEBERRY
E	BUTTERFLY MILKWEED
F	BLUEFLAG IRIS
G	LADY FERN

**Rain Garden Surface Area in Silty Soils (Loams and Silt Loams) (ft²)**

Drainage Area (ft²)	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
500	170	125	80
600	204	150	96
700	238	175	112
800	272	200	128
900	306	225	144
1000	340	250	160



**RAIN GARDEN CONSTRUCTION**

- Install a 2 ft. wide 5 ft long x 2" layer of crushed stone at the end of the roof gutter piping at the entrance to the rain garden.
- Grade the bottom of the rain garden level per details.
- Install a 2" inch layer of 50% native topsoil and 50% mature organic compost, and a 3" layer of non-dyed aged shredded mulch.
- Create a 6" high soil berm around the entire area of the rain garden.
- Ensure that the area is not compacted prior to installing the plants per the planting detail.

**RAIN GARDEN MAINTENANCE**

- Inspect the rain garden following at least the first two precipitation events of at least 1.0 inch to ensure that the garden is functioning.
- Monitor and maintain the plants during the growing season and replace dead as necessary.
- Remove any silts or sediments to prevent ponding. The garden should drain effectively within 48 hrs.
- Replace the top few inches and replace with fresh soil and mulch as necessary.
- Repair any erosion gullies they occur.
- Prune all plants as necessary.
- Do not fertilize or add pesticides to plants within the garden.
- Perennial plants and ground cover shall be replaced as necessary to maintain adequate vegetated ground cover. Annual plants may also be used to maintain ground cover.

**PLANTING SCHEDULE (TYPICAL)**

LETTER	QUANTITY	PLANT SPECIES
A	3	SWEET PEPPERBUSH
B	5	SWEET FERN
C	3	BAYBERRY
D	3	HIGHBUSH BLUEBERRY
E	3	BUTTERFLY MILKWEED
F	3	BLUEFLAG IRIS
G	3	LADY FERN

**DRAINAGE CALCULATIONS**

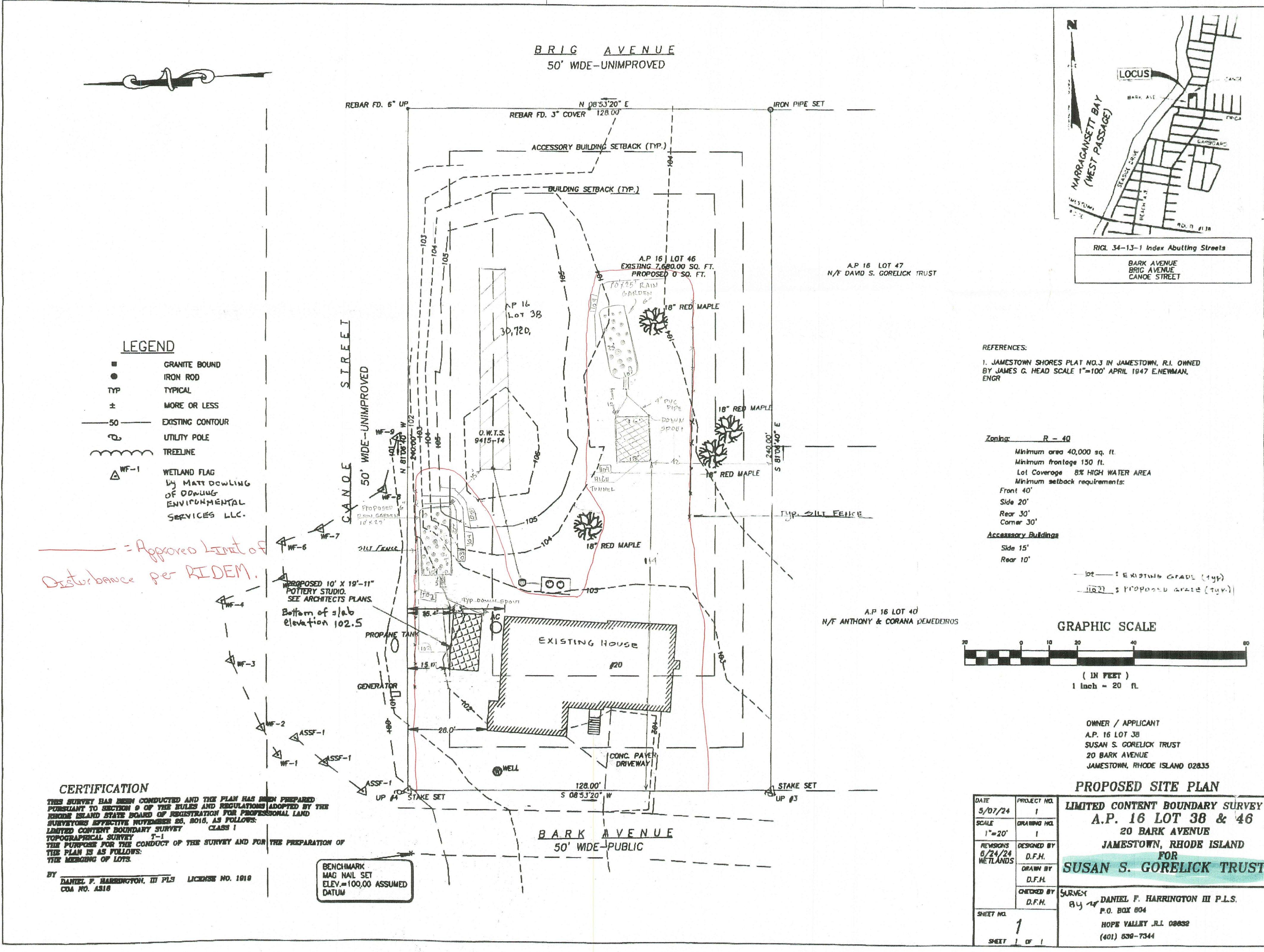
design basis 1 year 24 hr storm. Per the rainfall table the rainfall = 4.92"

- Impervious area of the pottery studio = 10' x 19'11" or 19.2 sf
- High tunnel area = 12' x 16' = 192 sf

Storm water design area for each rain garden = 200 sf

Per the Rain garden LID Table for a 1" rainfall the area required for a 6" rain garden = 50 sf. The area required for a 10 year storm = 50 x 4.92 = 246 sf

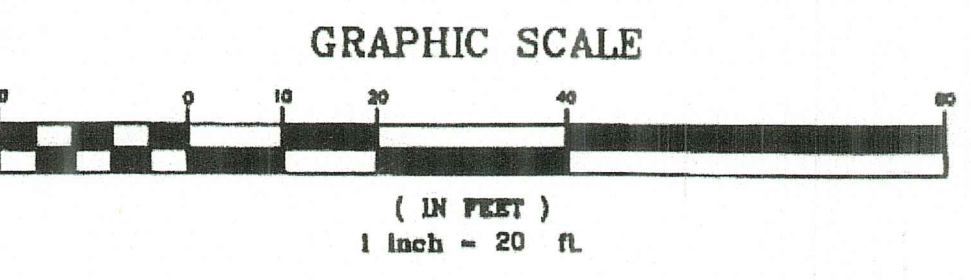
Sizing = 10' x 25' or 250 sf. The down spout must enter the stone sediment channel at the entrance into the garden per the attached detail. The species selected can be varies based on the plant size and separation distance for any annuals or perennials added for ground cover. Refer to the construction and maintenance notes.



**RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM

**NOTE PER DEM:**  
Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

**RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED: NOV 25 2016 FILE #: 24-071  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE



**PROPOSED SITE PLAN**

**LIMITED CONTENT BOUNDARY SURVEY**  
A.P. 16 LOT 38 & 46  
20 BARK AVENUE  
JAMESTOWN, RHODE ISLAND  
FOR  
**SUSAN S. GORELICK TRUST**

OWNER / APPLICANT  
A.P. 16 LOT 38  
SUSAN S. GORELICK TRUST  
20 BARK AVENUE  
JAMESTOWN, RHODE ISLAND 02835

DATE: 5/07/24  
PROJECT NO.: 1  
SCALE: DRAWING NO.: 1  
SCALE: 1"=20'  
REVISIONS: 8/24/24 WELANDS  
DESIGNED BY: D.F.H.  
DRAWN BY: D.F.H.  
CHECKED BY: D.F.H.  
SURVEY BY: DANIEL F. HARRINGTON III P.L.S.  
P.O. BOX 604  
HOPE VALLEY, R.I. 02832  
(401) 630-7344

SHEET NO. 1 OF 1

**LEGEND**

- GRANITE BOUND
- IRON ROD
- TYP TYPICAL
- ± MORE OR LESS
- EXISTING CONTOUR
- UTILITY POLE
- TREELINE
- WF-1 WETLAND FLAG BY MATT DOWLING OF DOWLING ENVIRONMENTAL SERVICES LLC.

= Approved Limit of Disturbance per RIDEM.

**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 EFFECTIVE NOVEMBER 20, 2010, AS FOLLOWS:  
LIMITED CONTENT BOUNDARY SURVEY CLASS 1  
TOPOGRAPHICAL SURVEY T-1  
THE PURPOSE FOR THE CONDUCT OF THIS SURVEY AND FOR THE PREPARATION OF THIS PLAN IS AS FOLLOWS:  
THE MEASURING OF LOTS.

BY DANIEL F. HARRINGTON, III PLS LICENSE NO. 1018  
CDA NO. AS18

BENCHMARK  
MAG NAIL SET  
ELEV.=100.00 ASSUMED  
DATUM

