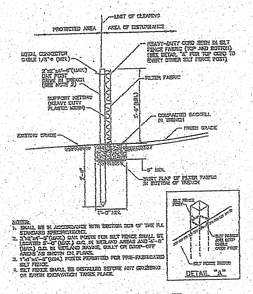
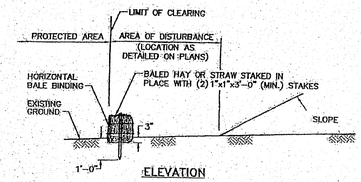
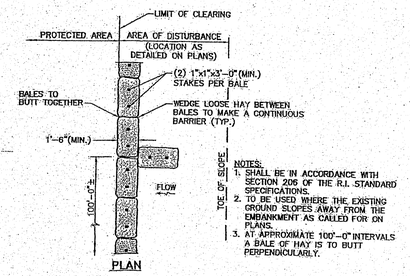


Installation of Silt Fence

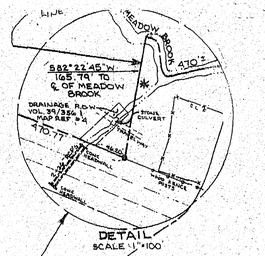


ELEVATION



PLAN

Installation of Hay Bales



EROSION CONTROL NOTES

1. Prior to any construction activity silt fencing shall be placed as shown and maintained throughout the construction process.
2. All disturbance is to be limited to the areas shown, and is to be kept to an absolute minimum.
3. All excavated material (soil) to be used, as backfill shall be stockpiled upland from the silt fencing. Silt fencing should surround this stockpile material. All excess unwanted excavated materials, construction debris etc., shall be removed from the site and disposed of in a proper manner.
4. No disturbances shall occur outside of the south silt fence line during construction of the proposed improvements.
5. All disturbed areas including back filled and graded areas shall be loamed and seeded as soon as possible upon completion of all construction. All slopes and exposed areas shall be stabilized with straw mulch. Jute netting or seed blankets should be utilized where the slope is 3:1 or greater.
7. All silt fencing and mulch are to remain in place until after the grass has properly rooted, approximately six to eight weeks.
8. The following seed mix is to be used in all disturbed and exposed areas. Before seeding, however, a minimum of four inches of compacted loam is to be placed in the affected areas at a rate of 12.4 cubic yards per 1000 square feet.

SEED MIXTURE-GENERAL PURPOSE

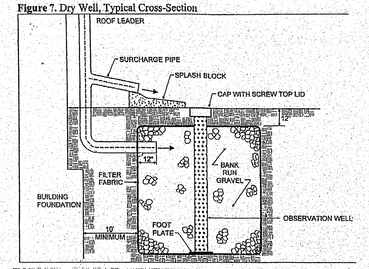
SEED MIXTURE	LBS/ACRE	LBS/1000 square SF
Red Fescue	75	1.75
Kentucky Bluegrass	15	.35
Colonial Bentgrass	5	.11
Perennial Ryegrass	5	.11

The straw mulch is to be applied at a rate of 90 lbs. per 1000 square feet. The grass seed should be planted between April 1-June 15 and August 15-September 30.

TABLE 11. Infiltration Trench / Dry Well Surface Area (ft²) in Silty Soils (Loams and Silt Loams)

Drainage Area(ft²)	6" deep	12" deep	18" deep	24" deep	30" deep	36" deep	48" deep
100	38	21	15	11	9	8	6
200	76	43	30	23	18	15	12
300	114	64	44	34	28	23	18
400	152	85	59	45	37	31	23
500	190	107	74	57	46	39	29
600	229	128	89	68	55	46	35
700	267	149	104	79	64	54	41
800	305	171	119	91	74	62	47
900	343	192	133	102	83	70	53
1000	381	213	148	113	92	77	59

Figure 7. Dry Well, Typical Cross-Section

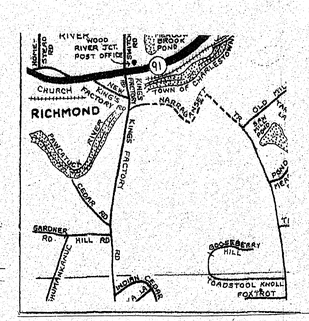


LID DRAINAGE CALCULATIONS FOR NEW IMPERVIOUS SURFACES

(1) New garage: 24' x24' = 576 sf
(2) New covered wrap around porch: 700 sf

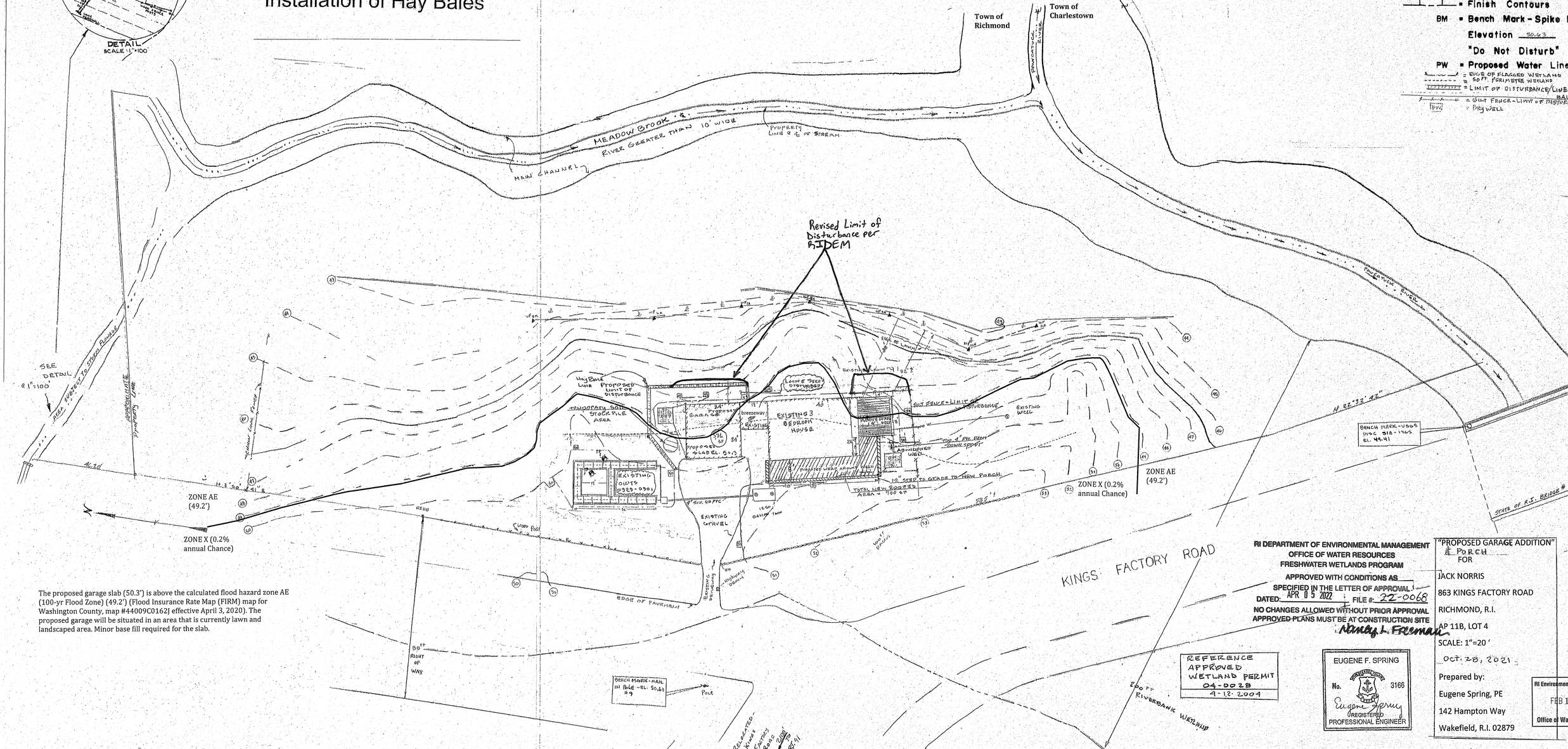
Garage drywells @ 3 ft deep. Per table 11, 600 sf requires 46 sf; provided drywell 7' x7' or 49 sf, 2 down spouts to be routed underground with 4", sdr 35 pvc pipes as shown.

Porch Area for 700 sf requires ; 54 sf; provided drywell (3' deep) Size of 7'x 8' or 56 sf., 2 downspouts to routed underground with 4", sdr 35 pve pipes as shown.



LEGEND

- ⊕ = Water Table Test
- P-1 P-2 = Percolation Tests
- △ = Well Location
- = Existing Contours - FIELD
- = Finish Contours
- BM = Bench Mark - Spike in Pole 49
- Elevation 50.63
- "Do Not Disturb"
- PW = Proposed Water Line
- = EDGE OF FLAGGED WETLAND
- 50 FT. PERIMETER WETLAND
- = LIMIT OF DISTURBANCE/LINE OF HAY BALES
- = SILT FENCE - LIMIT OF MAINTENANCE
- DRY = DRY WELL



The proposed garage slab (50.3') is above the calculated flood hazard zone AE (100-yr Flood Zone) (49.2') (Flood Insurance Rate Map (FIRM) map for Washington County, map #44009C0162J effective April 3, 2020). The proposed garage will be situated in an area that is currently lawn and landscaped area. Minor base fill required for the slab.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 05 2022 FILE #: 22-0068
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman

REFERENCE APPROVED WETLAND PERMIT 04-0028 4-12-2004

EUGENE F. SPRING
No. 3166
REGISTERED PROFESSIONAL ENGINEER

"PROPOSED GARAGE ADDITION" & PORCH
FOR
JACK NORRIS
863 KINGS FACTORY ROAD
RICHMOND, R.I.
AP 11B, LOT 4
SCALE: 1"=20'
OCT. 28, 2021

Prepared by:
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142 Hampton Way
Wakefield, R.I. 02879

RI Environmental Management
FEB 17 2022
Office of Water Resources