

North Woods Subdivision

BMP Operation & Maintenance Plan

Infiltration Basins

1. Infiltration basins shall be inspected annually and after storms equal to or greater than the 1-year, 24-hour Type III storm event.
2. If sediment or organic debris build-up has limited the infiltration capabilities to below the design rate, the top 6 inches shall be removed and the surface roto-tilled to a depth of 12 inches. The basin bottom should be restored according to original design specifications.

Sand Filters & Rain Gardens

1. Sediment shall be removed from the filter bed when the accumulation exceeds 1".
2. When the filtering capacity of the filter diminishes substantially, the top few inches of discolored material shall be removed and shall be replaced with fresh material.
3. The removed sediments shall be disposed in an acceptable manner at an approved and permitted location.
4. 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" to ensure 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.
5. Pruning or replacement of woody vegetation shall occur when dead or dying vegetation is observed.
6. Fertilizer or pesticides shall not be applied to plants within rain gardens.
7. Perennial plants and ground covers shall be replaced as necessary to maintain an adequate vegetated ground cover. Annual plants may also be used to maintain ground cover.

Drainage Swales

1. Drainage Swales shall be inspected annually and after storms of greater than or equal to the 1-year, 24-hour Type III precipitation event.
2. Sediment build-up within the bottom of the channel shall be removed.
3. Eroded side slopes and channel bottoms shall be stabilized as necessary.

Qualified Pervious Areas

1. The QPA must be inspected and maintained at least yearly to remove deposited sediment and address any ponding or erosion, and replant vegetation within the QPA

Grassed Filter Strips

1. The grassed filter strips must be inspected and maintained semi-annually to remove deposited sediment and address any ponding or erosion, and replant vegetation within the filter strip.
2. The filter strip shall be mowed to maintain grass heights of not less than 3" and not more than 5".
3. In the case that grass dies or does not grow, the area shall be reseeded. If needed, the top 3" of soil shall be removed and replaced with sandy loam top soil and then reseeded.

Drywells

1. Drywells shall be inspected annually and after storms of greater than or equal to the 1-year, 24-hour Type III precipitation events. The cover of the precast drywell shall be removed and the structure shall be inspected to ensure adequate draining.
2. Any sediment buildup within the drywell shall be removed.
3. If sediment or organic debris build-up has limited the infiltration capabilities to below the design rate, the stone below the drywell structure shall be removed and replaced with new $\frac{3}{4}$ " – 1 $\frac{1}{4}$ " washed stone. The drywell shall be restored to its original design specifications.

Stormwater BMP Operation, Maintenance, and Management Inspection Checklist

Project:

Location:

Site Status:

Date:

Time:

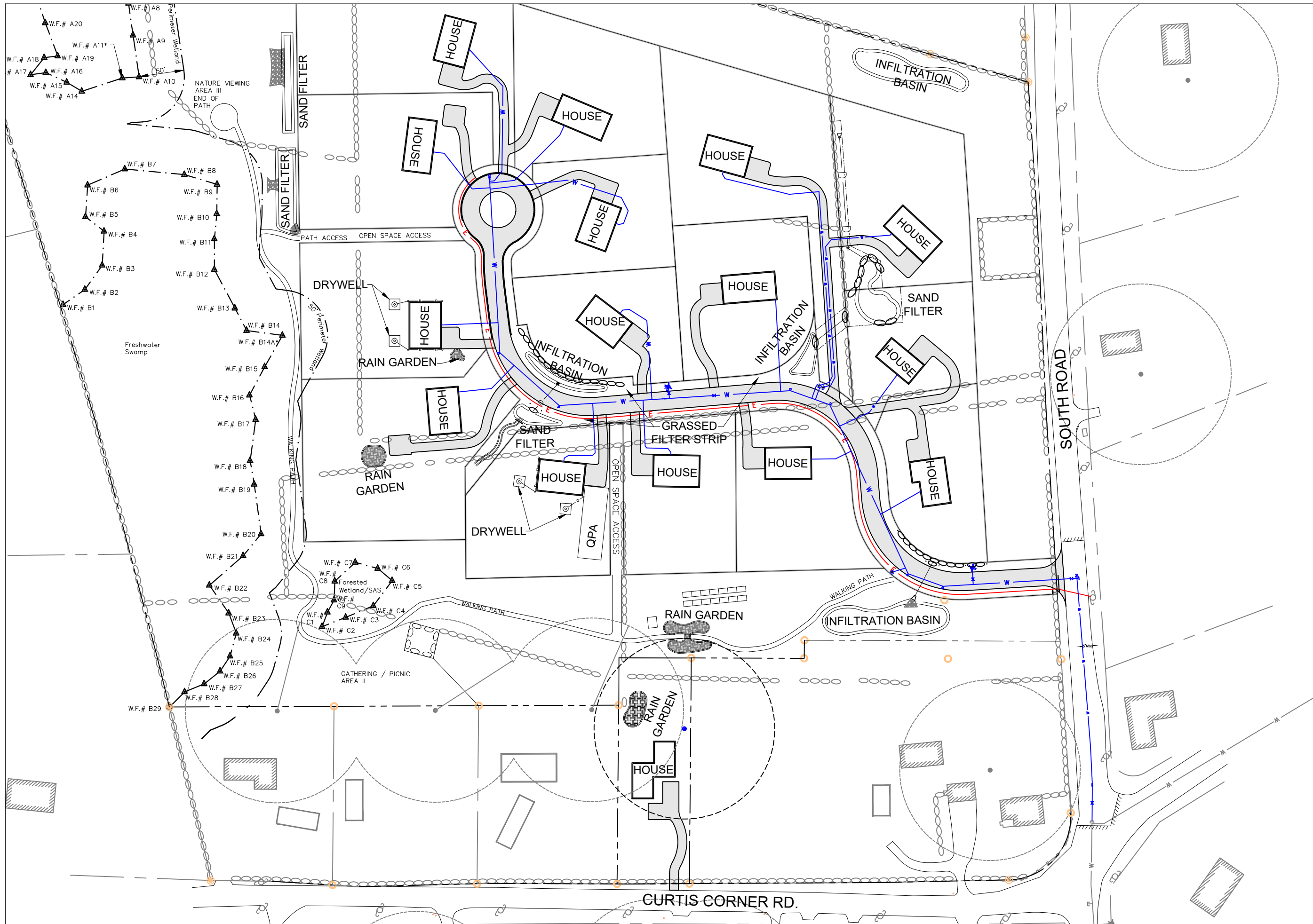
Inspector:

| Maintenance Item | Satisfactory/Unsatisfactory | Comments |
|--|-----------------------------|----------|
| 1. Embankment and emergency spillway (annual, after major storms) | | |
| 1. Vegetation and ground cover adequate | | |
| 2. Embankment erosion | | |
| 3. Animal burrows | | |
| 4. Unauthorized planting | | |
| 5. Cracking, bulging, or sliding of emergency spillway | | |
| 6. Slope protection or riprap failure | | |
| 7. Emergency spillway clear of obstructions and debris | | |
| 2. Basin Area (annual, after major storms) | | |
| 1. Vegetation adequate | | |
| 2. Undesirable vegetative growth | | |
| 3. Undesirable woody vegetation | | |
| 4. Standing water or wet spots | | |
| 5. Sediment and/or trash accumulation | | |
| 3. Condition of outfalls (annual, after major storms) | | |
| 1. Riprap failures | | |
| 2. Slope erosion | | |
| 3. Storm drain pipes | | |
| 4. Endwalls/headwalls | | |

North Woods Subdivision – South Kingstown

Comments:

Actions to be Taken:



RIDEM FWMP & SUBDIVISION SUITABILITY APPLICATION PLAN
NORTH WOODS SUBDIVISION
BMP LOCATION MAP
 A.P. 47-2, LOT 120
 SOUTH KINGSTOWN, RHODE ISLAND
 SCALE: AS SHOWN DATE: 07/29/22 SHEET 1 of 1

GROUNDBREAKING
DESIGNS, LLC
CIVIL ENGINEERING SOLUTIONS

90 HIGHLAND AVE., SOUTH KINGSTOWN, RI 02879 PHONE: (401) 622-2932