Maintenance Checklist
Eastham Library – Bioretention/Bioswales

Date:

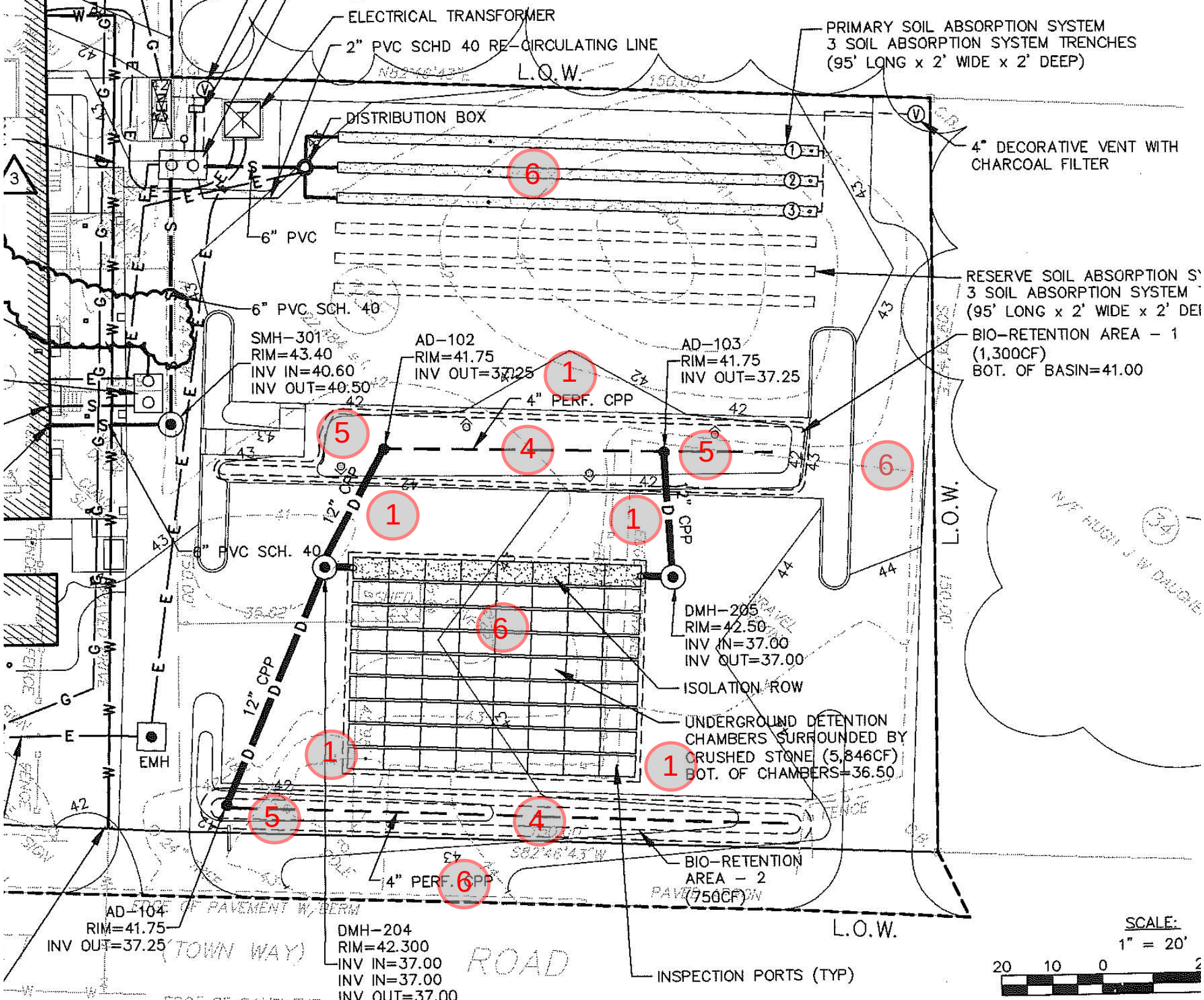
Time:

Inspector:

Maintenance Item	Description	Maintenance (Y/N)
1. Drainage Inlet: **Includes: Inlet Flumes, catch basins, diversion structure** **Inspect annually and after major storm events (2" of rain or greater)**		
Surface Debris Cleaning	Remove all trash, leaf litter and inlet clogging.	
Inlet Flumes	Check for clogging and sediment accumulation that impacts inflow. If sediment/debris accumulation	
Actions to be taken:		
2. Swales (if applicable) **Inspect annually and after major storm events (2" of rain or greater)**		
Debris Cleanout	Remove all trash and debris from the swale.	
Sediment/Organic Debris Removal	Removed and properly disposed of when build-up is greater than or equal to 3 inches.*	
Erosion	Check for areas of erosion/ gullies in the swale, particularly along the swale bottom. Repair/reseed as necessary	
Actions to be taken:		
2. Sediment Collection (if applicable): **Includes: Sediment Forebays, Structure/Deep Sumps** **Inspect bi-annually and after major storm events the first year.**		
Debris Cleanout	Remove trash and debris from the surface.	
Side Slopes	Signs of erosion gullies, animal burrowing, overtopping or slumping are observed. Repair as necessary.	
Sediment/Organic Debris Removal	Remove sediment accumulation and properly dispose when accumulation is greater than or equal to 3 inches or you cannot see stones.*	
Actions to be taken:		

Maintenance Item	Description	Maintenance (Y/N)
4. Treatment Area (Bioretention/Bioswale Area) **Inspect bi-annually and after major storm events the first year; then annually and after major storm events (2" of rain or greater)**		
Debris Cleanout	Remove trash and debris from the surface.	
Side Slopes	Signs of erosion gullies, animal burrowing, overtopping or slumping are observed. Repair as necessary.	
Sediment/Organic Debris Removal	Remove sediment accumulation and properly dispose when accumulation is greater than or equal to 3 inches or you cannot see stones.*	
Vegetation Maintenance Replacement	Area mowed twice per year minimum (12" grass height). Over seed bare or thin grass growth areas.	
Water Draining properly	If standing water is observed for more than 48 hours after a storm event, rototill or aerate the bottom 6 inches to breakup any hard-packed sediment, and replenished with mulch.*	
Actions to be taken:		
5. Outlet Structures/Spillways **Includes: Bio outlet structures and emergency/overflow spillways** **Inspect annually and after major storm events (2" of rain or greater)**		
Emergency Spillways	Check for settling gulling, erosion damage, settling & clogging. Repair as necessary and return to design grades.	
Spillway Overflow	Look for areas of erosion in the overflow swale between. Repair as necessary.	
Overflow Structure	Check for sediment accumulation that impacts inflow. If sediment accumulation. Schedule cleaning. Check for leaf litter, debris and inlet clogging.	
Actions to be taken:		
6. Surrounding Grounds Maintenance – Inspect frequently		
Debris Removal	Remove trash from perimeter areas.	
Pavement Sweeping	Sweep parking lot minimum once a year after spring thaw.	
Drainage Network	Ensure proper operation.	
Contributing drainage area	Contributing drainage area stabilized	
Actions to be taken:		

*Sediment shall be disposed of offsite in a pre-approved location.


ELECTRICAL TRANSFORMER
2" PVC SCHD 40 RE-CIRCULATING LINE
L.O.W.
PRIMARY SOIL ABSORPTION SYSTEM
3 SOIL ABSORPTION SYSTEM TRENCHES
(95' LONG x 2' WIDE x 2' DEEP)
DISTRIBUTION BOX
4" DECORATIVE VENT WITH
CHARCOAL FILTER
6" PVC
RESERVE SOIL ABSORPTION SY
3 SOIL ABSORPTION SYSTEM
(95' LONG x 2' WIDE x 2' DEI
6" PVC SCH. 40
SMH-301
RIM=43.40
INV IN=40.60
INV OUT=40.50
AD-102
RIM=41.75
INV OUT=37.25
AD-103
RIM=41.75
INV OUT=37.25
BIO-RETENTION AREA - 1
(1,300CF)
BOT. OF BASIN=41.00
4" PERF. CPP
12" CPP
6" PVC SCH. 40
DMH-205
RIM=42.50
INV IN=37.00
INV OUT=37.00
ISOLATION ROW
UNDERGROUND DETENTION
CHAMBERS SURROUNDED BY
CRUSHED STONE (5,846CF)
BOT. OF CHAMBERS=36.50
EMH
BIO-RETENTION
AREA - 2
(750CF)
4" PERF. CPP
AD-104
RIM=41.75
INV OUT=37.25
DMH-204
RIM=42.300
INV IN=37.00
INV IN=37.00
INV OUT=37.00
INSPECTION PORTS (TYP)
L.O.W.
(TOWN WAY)
ROAD
SCALE:
1" = 20'
20 10 0