

PROJECT: \_\_\_\_\_

DATE: \_\_\_\_\_

## BIORETENTION AREA CONSTRUCTION PLAN CHECKLIST

### GENERAL INFORMATION:

- |  |   |
|--|---|
| <input type="checkbox"/> BIO-CELL LOCATION             | <input type="checkbox"/> UTILITY CONFLICTS                        |
| <input type="checkbox"/> EX. & PROP. TOPOGRAPHY        | <input type="checkbox"/> 100 YR. FLOODPLAIN                       |
| <input type="checkbox"/> ACCESS & MAINTENANCE EASEMENT | <input type="checkbox"/> LABEL CELL "PERMANENT BIORETENTION AREA" |
| <input type="checkbox"/> VICINITY MAP                  | <input type="checkbox"/> CERTIFICATION OF RUNOFF CONTROL          |
| <input type="checkbox"/> NORTH ARROW & GRAPHIC SCALE   | <input type="checkbox"/> ENGINEER - NAME, ADDRESS, TELEPHONE      |
| <input type="checkbox"/> PE SEAL & SIGNATURE           | <input type="checkbox"/> OWNER - NAME, ADDRESS, TELEPHONE         |
| <input type="checkbox"/> COORD. WITH CITY REQUIREMENTS |   |

### FILTER DESIGN:

- |   |  |
|---|--|
| <input type="checkbox"/> DRAINAGE AREA < 5 ACRES                | <input type="checkbox"/> INLET PROTECTION                            |
| <input type="checkbox"/> LAYOUT DIMENSIONS                      | <input type="checkbox"/> BYPASS OUTLET                               |
| <input type="checkbox"/> CROSS SECTION                          | <input type="checkbox"/> OUTLET PROTECTION                           |
| <input type="checkbox"/> SURFACE AREA                           | <input type="checkbox"/> SLOPE ON EMBANKMENT (3:1 MIN.)              |
| <input type="checkbox"/> PONDING DEPTH (6" MAXIMUM)             | <input type="checkbox"/> 10' BENCH FOR MAINT. AROUND FILTER          |
| <input type="checkbox"/> RUNOFF VOLUME CAPTURED                 | <input type="checkbox"/> UNDERDRAIN SYSTEM (SIZE & TYPE OF MATERIAL) |
| <input type="checkbox"/> HARDWOOD MULCH (2"-3", SHREDDED, AGED) | <input type="checkbox"/> NUMBER OF UNDERDRAIN LINES                  |
| <input type="checkbox"/> WATER TABLE 2' BELOW BOTTOM OF CELL    | <input type="checkbox"/> GRAVEL ENVELOPE 2" OVER UNDERDRAIN          |
| <input type="checkbox"/> DIVERSION DITCHES                      |  |

### PLANTS:

- HERBACIOUS GROUND COVER
- TREE DENSITY (100 TREES PER ACRE)
- SHRUB DENSITY (300 SHRUBS PER ACRE)
- SIZE REQUIREMENTS MET
- PLANT SPECIES

### PLANTING SOIL:

- DEPTH
- CLAY (15% MAXIMUM)
- SILT (25% MAXIMUM)
- SAND (65-75%)
- ORGANIC MATERIAL
- Ph (5.5-6.5)

### NOTES:

- |  |   |
|--|---|
| <input type="checkbox"/> POND MAINTENANCE RESPONSIBILITY | <input type="checkbox"/> PE CERTIFICATION OF COMPLETION |
| <input type="checkbox"/> PRECONSTRUCTION MEETING         | <input type="checkbox"/> RIGHT OF ACCESS FOR INSPECTION |
| <input type="checkbox"/> FULL DESIGN VOLUME              |   |

### OTHER:

- |  |   |
|--|---|
| <input type="checkbox"/> OPERATION & MAINTENANCE MANUAL                  | <input type="checkbox"/> SPECIFICATIONS |
| <input type="checkbox"/> OTHER PERMITS (WETLAND, FLOODPLAIN, DAM SAFETY) |   |

### COMMENTS:

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