

PROJECT: _____

DATE: _____

BIORETENTION AREA CONSTRUCTION PLAN CHECKLIST

GENERAL INFORMATION:

- _____ BIO-CELL LOCATION
- _____ EX. & PROP. TOPOGRAPHY
- _____ ACCESS & MAINTENANCE EASEMENT
- _____ VICINITY MAP
- _____ NORTH ARROW & GRAPHIC SCALE
- _____ PE SEAL & SIGNATURE

- _____ COORD. WITH CITY REQUIREMENTS
- _____ UTILITY CONFLICTS
- _____ 100 YR. FLOODPLAIN
- _____ LABEL CELL "PERMANENT BIORETENTION AREA"
- _____ CERTIFICATION OF RUNOFF CONTROL
- _____ ENGINEER - NAME, ADDRESS, TELEPHONE
- _____ OWNER - NAME, ADDRESS, TELEPHONE

CELL DESIGN:

- _____ DRAINAGE AREA < 5 ACRES
- _____ LAYOUT DIMENSIONS
- _____ CROSS SECTION
- _____ SURFACE AREA
- _____ PONDING DEPTH (6" MAXIMUM)
- _____ RUNOFF VOLUME CAPTURED
- _____ HARDWOOD MULCH (2"-3", SHREDDED, AGED)
- _____ WATER TABLE 2' BELOW BOTTOM OF CELL
- _____ DIVERSION DITCHES

- _____ INLET PROTECTION
- _____ BYPASS OUTLET
- _____ OUTLET PROTECTION
- _____ SLOPE ON EMBANKMENT (3:1 MIN.)
- _____ 10' BENCH FOR MAINT. AROUND FILTER
- _____ UNDERDRAIN SYSTEM (SIZE & TYPE OF MATERIAL)
- _____ NUMBER OF UNDERDRAIN LINES
- _____ GRAVEL ENVELOPE 2" OVER UNDERDRAIN

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 (0 - 10%)
- _____ Ph (5.5 - 6.5)

NOTES:

- _____ POND MAINTENANCE RESPONSIBILITY
- _____ PRECONSTRUCTION MEETING
- _____ FULL DESIGN VOLUME

- _____ PE CERTIFICATION OF COMPLETION
- _____ RIGHT OF ACCESS FOR INSPECTION

OTHER:

- _____ OPERATION & MAINTENANCE MANUAL
- _____ SPECIFICATIONS

- _____ OTHER PERMITS (WETLAND, FLOODPLAIN, DAM SAFETY)

COMMENTS: ADDRESS ALL ITEMS WITH AN "O" BESIDE OF THEM ALONG WITH COMMENTS ON REDLINED COPY.

RESUBMIT TWO (2) REVISED COPIES ALONG WITH THE REDLINED COPY.
