EXAMPLE PLANTING PLAN

<table>
<thead>
<tr>
<th>ZONE</th>
<th>DESCRIPTION</th>
<th>TABLE REFERENCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>UPLAND PERMANENT TURF GRASS, CONTAINERIZED TREES AND SHRUBS, TEMPORARY SEEDING</td>
<td>SEE NOTE</td>
</tr>
<tr>
<td>B</td>
<td>TERRACE SLOPE PERMANENT TURF GRASS, CONTAINERIZED TREES AND SHRUBS, TEMPORARY SEEDING</td>
<td>SEE NOTE</td>
</tr>
<tr>
<td>C</td>
<td>FLOODPLAIN BENCH PERMANENT NATIVE GRASS, CONTAINERIZED TREES AND SHRUBS, TEMPORARY SEEDING</td>
<td>SEE NOTE</td>
</tr>
<tr>
<td>D</td>
<td>STREAM BANK PERMANENT NATIVE GRASS, LIVE STAKING, TEMPORARY SEEDING</td>
<td>SEE NOTE</td>
</tr>
<tr>
<td>E</td>
<td>EMERGENT ZONE PLUGGING</td>
<td>SEE NOTE</td>
</tr>
</tbody>
</table>

NOTE: THE DESIGNER SHALL CROSS REFERENCE APPROPRIATE TABLE(S) LISTING PLANT SPECIES, SIZE, SPACING AND OTHER SPECIFIC REQUIREMENTS (SEE EXAMPLE TABLES, SHEET 2).

THIS FIGURE IS ONLY MEANT TO DEFINE THE MINIMUM INFORMATION REQUIRED BY THE CITY OF CHARLOTTE TO BE INCLUDED IN A DETAIL FOR THIS TYPE OF TECHNIQUE. THIS FIGURE IS NOT MEANT TO REPRESENT A STANDARD DESIGN METHOD FOR THIS TYPE OF TECHNIQUE AND SHALL NOT BE USED AS SUCH.
EVERGREEN TREES
DECIDUOUS TREES
TURF GRASSES
NATIVE GRASSES
SHRUBS
EMERGENT PLANTS
APPROXIMATE BASE FLOW WATER SURFACE BANKFULL
ZONE A
ZONE B
ZONE C
ZONE D
ZONE E
STREAM CHANNEL
ZONE D
ZONE C
ZONE B
ZONE A
INSIDE MEANDER BEND AND RIFFLE SECTION (BOTH SIDES)
OUTSIDE MEANDER BEND
SMALL TREES
STREAM BANK
FLOODPLAIN BENCH
TERRACE SLOPE
UPLAND TERRACE SLOPE
FLOODPLAIN BENCH
STREAM BANK
EMERGENT ZONE
EMERGENT ZONE
NOTE: THIS TABLE IS AN EXAMPLE ONLY. THE DESIGNER SHALL SPECIFY VEGETATION FOR ALL ZONES ON PROJECT.

EXAMPLE TREES AND SHRUBS TABLE

<table>
<thead>
<tr>
<th>SPECIES</th>
<th>COMMON NAME</th>
<th>SIZE</th>
<th>SPACING</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMELANCHEIR CANADENSIS</td>
<td>SERVICE BERRY</td>
<td>3 GALLON</td>
<td>4' O.C.</td>
</tr>
<tr>
<td>CALLICARPUS AMERICAN</td>
<td>BEAUTY BERRY</td>
<td>3 GALLON</td>
<td>4' O.C.</td>
</tr>
<tr>
<td>CERCIS CANADENSIS</td>
<td>REDBUD</td>
<td>5 GALLON</td>
<td>6' O.C.</td>
</tr>
<tr>
<td>CORNUS FLORIDA</td>
<td>FLOWERING DOGWOOD</td>
<td>5 GALLON</td>
<td>6' O.C.</td>
</tr>
<tr>
<td>DIOSPYROS VIRGINIANA</td>
<td>PERSIMMON</td>
<td>5 GALLON</td>
<td>6' O.C.</td>
</tr>
<tr>
<td>ITEA VIRGINICA</td>
<td>VA. SWEETSPIRE</td>
<td>3 GALLON</td>
<td>4' O.C.</td>
</tr>
<tr>
<td>PLATANUS OCCIDENTALIS</td>
<td>SYCAMORE</td>
<td>2' CALIPER</td>
<td>10' O.C.</td>
</tr>
<tr>
<td>VIBURNUM DENTatum</td>
<td>ARROWWOOD ALBURNUM</td>
<td>3 GALLON</td>
<td>4' O.C.</td>
</tr>
</tbody>
</table>

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EXAMPLE RIPARIAN SEED MIX TABLE

<table>
<thead>
<tr>
<th>SPECIES</th>
<th>PERCENT</th>
<th>SEEDING RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELYMUS VIRGINICUS</td>
<td>15</td>
<td>N/A</td>
</tr>
<tr>
<td>PANICUM VIRGATUM</td>
<td>10</td>
<td>N/A</td>
</tr>
<tr>
<td>AGROSTIS STOLONIFERA</td>
<td>5</td>
<td>N/A</td>
</tr>
<tr>
<td>RUDBECKIA HIRTA NC ECOTYPE</td>
<td>10</td>
<td>N/A</td>
</tr>
<tr>
<td>COREOPSIS LANCEOLATA</td>
<td>10</td>
<td>N/A</td>
</tr>
<tr>
<td>PANICUM CLAUSITINUM</td>
<td>5</td>
<td>N/A</td>
</tr>
<tr>
<td>ANDROPOGON GERARDI</td>
<td>5</td>
<td>N/A</td>
</tr>
<tr>
<td>JUNCUS EFFUSUS</td>
<td>5</td>
<td>N/A</td>
</tr>
<tr>
<td>TRIPSACUM DACTYLOIDES</td>
<td>5</td>
<td>N/A</td>
</tr>
<tr>
<td>CHAMAECRISTA FASCICULATA</td>
<td>25</td>
<td>N/A</td>
</tr>
<tr>
<td>CAREX INTUMESCENS</td>
<td>5</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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CROSS SECTION

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NOT TO SCALE
1. **Plant Materials** shall be installed using a variety of methods and materials as specified by the designer and may include one or more of the following:

   A. **Seeding and Mulching**
   
   B. **Soil Bioengineering** (e.g., live stakes, brush mattress, brush layer, vegetated geogrid, live fascines, etc.)
   
   C. **Tree, Shrub, and Groundcover Planting**
   
   D. **Plugging**
   
   E. **Transplants (including sod mats)**

2. **All information for planting this site is not necessarily included on the plan sheets. Additional information is contained in the technical specifications and the City's Landscape Construction Standards.**

3. See tables, other details, and/or specifications for plant species name(s), size, type, application rate, and/or spacing for each installation method. If the contractor is not required to install every species listed they shall inform the City which species have been selected for use at least one (1) week in advance of installation.

4. Depending upon local availability and cost, species substitutions may be acceptable. All substitutions (including pre-packaged seed mixes) shall be submitted to the City at least one (1) week prior to installation for approval.

5. **Labels** shall be attached securely to all planting materials (seed, dormant cuttings, fertilizer, etc.). Labels shall be durable, legible, use weather-resistant ink or other resilient lettering, so the City may determine that all materials conform to the specifications (size, species, origin, etc.).

6. The best source of plant material is from the area local to the project. Plant materials may be harvested from local sites (with approval from the City) or obtained from commercial nurseries. If materials are harvested by the contractor, the positive identification of the species must be made/documented and permission from the harvest site property owner must be obtained by the contractor and documented to the City, in writing.

7. **Plant Materials** shall be handled with care at all times including during harvesting, packing, delivery, unloading, handling, and installation. Plants shall be protected from disturbance from on-going construction activities after installation (with flagging, fencing, etc., as necessary).

8. All plantings shall be maintained to ensure survival through a one (1) year warranty period. Such maintenance shall include, but not be limited to, watering, weed control, pest control, etc.

9. **All planting areas** shall be prepared in accordance with the plans and specifications (including the City's Landscape Construction Standards) prior to seeding, live staking, and/or other types of plant material installation, including:
   
   A. **All tree, shrub, and groundcover plantings** shall be performed in accordance with the plans and specifications (including the City's Landscape Construction Standards) and otherwise direct that the plant supplier shall provide such requirements.
   
   B. **All tree, shrub, and groundcover methods and materials, including temporary and permanent seeding**, shall be per the City's Landscape Construction Standards unless otherwise required by the type of seed used and specified by the designer.
   
   C. **Prior to planting, the contractor shall test the soil and present the City with results showing that the nutrient requirements of the plants have been met.** If soil amendments are required then the contractor shall submit a list of proposed soil amendments to the City for approval one (1) week prior to application.
   
   D. **The contractor shall not sow seed or apply mulch in windy or any other weather conditions that may affect application rate or surface coverage.**

10. All seeding and mulching shall be performed in accordance with the plans and specifications (including the City's Landscape Construction Standards), including:

   A. **The designer shall consider the nutrient requirements of the proposed vegetation and adjust the soil preparation requirements from the Landscape Construction Standards** or otherwise direct that the plant supplier shall provide such requirements.

   B. **The designer shall specify the locations requiring temporary erosion control, cover crop, nurse crop, and/or permanent seeding. This shall include project access, project areas, and any other locations disturbed by construction activities.**

   C. **Plants shall be and installed at the spacing indicated and with species mixed randomly as indicated by the designer.**

11. **Soil Bioengineering** stream bank stabilization (e.g., live staking, brush mattress, brush layer, vegetated geogrid, live fascines, etc.) is a part of the planting plan. The designer shall provide information regarding those methods here or otherwise incorporate applicable details into this detail by reference.

12. **All tree, shrub, and groundcover plating shall be performed in accordance with the plans and specifications (including the City's Landscape Construction Standards), including:**

   A. **The designer shall specify the locations requiring tree, shrub, and groundcover planting.**

   B. **The designer shall not sow seed or apply mulch in windy or any other weather conditions that may affect application rate or surface coverage.**

13. All plant plugs shall be performed in accordance with the plans and specifications (including the City's Landscape Construction Standards), including:

   A. **The designer shall specify the locations requiring plugging.**

   B. **Plugging methods and materials shall be as specified by the designer.**

14. All vegetation transplants shall be performed in accordance with the plans and specifications (including the City's Landscape Construction Standards), including:

   A. **Transplant species and existing locations must be approved by the City prior to commencing plant removal.** If source material for transplants is outside the limits of construction the contractor shall obtain written permission from the property owner.

   B. **The designer shall specify the locations requiring transplants.**

   C. **All transplanting methods and materials shall be as specified by the designer.**

   D. **Transplants shall be removed and installed in their proposed locations one at a time unless otherwise specified by the designer.**

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