Grass Seeding

Name: BBR 51

Legal Desc: ________________________________  Ident. No: ________________________________

County: Marshall  Program: ________________________________

1. Type of Seeding: streambank  Meets Practice Code: 322

2. Seedbed Preparation: Kind of Seedbed: construction final grade
   (clean, stubble mulched, etc.)
   Planned: Kind: _______________  Row Spacing: _______________  Height: _______________
   Applied: Kind: _______________  Row Spacing: _______________  Height: _______________
   Recommended Seeding Date: Any: _______________  Date Seeded: _______________

   Mulch Planned: Kind: native or brome hay  Rate: 4,000 per acre  Date: _______________
   Mulch Applied: Kind: _______________  Rate: _______________  Date: _______________
   Chemical(s) Planned: None: _______________  Rate: _______________  Date: _______________
   Chemical(s) Applied: None: _______________  Rate: _______________  Date: _______________

3. Fencing: Required (feet): None: _______________  Installed (feet): _______________  Date: _______________

4. Seeding: See page 2 for seeding mix and fertilizer.
   Seeding Method: Hand or Machine Broadcast
   Approved Seeding Dates: _______________________________  to  _______________________________
   Acres Seeded and Field Number: _______________________________  Date(s) Seeded: _______________________________

Natural Resources Conservation Service Representative or Technical Service Provider

Layout by: _______________________________  Date: _______________

Designed by: _______________________________  Date: _______________

Checked by: _______________________________  Date: _______________

Approved by: _______________________________  Date: _______________

Producer's Statement
The design of this practice has been discussed with me, and I concur with the design.
No changes are allowed without the approval of the NRCS Representative or the Technical Service Provider

Signature: _______________________________  Date: _______________

Attach a copy of an ArcGIS generated conservation plan map denoting field boundary, field number, land use, acres, and north arrow as per National Planning Procedures Handbook, Part 600.31.
### Grass

<table>
<thead>
<tr>
<th>Species</th>
<th>Variety</th>
<th>PLS (lbs/acre)</th>
<th>Percent of Mix</th>
<th>Acres</th>
<th>Total PLS (lbs)</th>
<th>Bulk Seeded (lbs)</th>
<th>Percent PLS *</th>
<th>Total PLS Seeded (lbs)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oats</td>
<td>any</td>
<td>100.0</td>
<td>100</td>
<td>2.0</td>
<td>197.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Switchgrass</td>
<td>Kanlow or Blackwel</td>
<td>6.0</td>
<td>12</td>
<td>0.72</td>
<td>1.42</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Virginia Wildrye</td>
<td>Omaha</td>
<td>25.0</td>
<td>49</td>
<td>12.25</td>
<td>24.13</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Western Wheatgrass</td>
<td>Barton or Flintlock</td>
<td>20.0</td>
<td>39</td>
<td>7.80</td>
<td>15.37</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Remark**: 200

### Forb

<table>
<thead>
<tr>
<th>Kind</th>
<th>Rate per Acre (Available)</th>
<th>Acres</th>
<th>Total Fertilizer Planned (Available) (lbs)</th>
<th>Applied (lbs)</th>
<th>Percent Available</th>
<th>Total Available</th>
<th>Remarks</th>
</tr>
</thead>
</table>

### Fertilizer

<table>
<thead>
<tr>
<th>Kind</th>
<th>Rate per Acre (Available)</th>
<th>Acres</th>
<th>Total Fertilizer Planned (Available) (lbs)</th>
<th>Applied (lbs)</th>
<th>Percent Available</th>
<th>Total Available</th>
<th>Remarks</th>
</tr>
</thead>
</table>

* Percent PLS (Pure Live Seed) from seed tag

\[
\frac{\left( \% \text{ Germ} + \% \text{ Firm Seed} \right) \times \text{Purity}}{100} = \% \text{ PLS}
\]

(1) To be obtained from specifications
(2) May be obtained from Plant Materials Technical Notes
(3) Minimum PLS lbs/acre for pure seeding obtained from specifications
(4) To be obtained from specifications after on site investigation of needs
(5) Multiply columns 3 and 4 and enter in column 5
(6) Acres to be seeded
(7) Multiply columns 5 and 6 and enter in column 7
(8) Enter bulk pounds actually seeded
(9) Enter PLS (pure live seed) obtained from seed tag
(10) Multiply columns 8 and 9 and enter in column 10

Column 10 should equal or exceed column 7

**Certification**

This applied practice meets Kansas standards and specifications.

NRCS Representative or Technical Service Provider  
Date

This practice has been applied as designed.

Producer  
Date
Name: BBR 51

Legal Desc: 

County: Marshall

Soil Map Unit: 7123

Program: Tree/Shrub Suitability

1. **Planting Purpose**: Riparian Buffer (i.e., windbreak/shelterbelt, riparian forest, living snowfence) Meets Practice Code: 322 -

2. **Site Preparation**: Tillage X Hand Scalp _____ Chemical _____
   - Chemical Planned
   - Application Rate
   - Planned Site Prep Date
   - Applied Site Prep Date
   - Notes: Trees and Shrubs shall be planted in final construction graded slope

3. **Planting Methods**: Tree Planter _____ Hand Plant X Broadcast Seed _____ Drill Seeder _____
   - Planned Planting Date
   - Applied Planting Date
   - Notes: 

4. **Post Plant Weed Control**: Mechanical _____ Chemical _____ Fabric _____
   - Chemical Planned
   - Application Rate
   - Fabric Planned (ft)
   - Fabric Applied (ft)
   - Planned Weed Control Date
   - Applied Weed Control Date
   - Notes: 

5. **Acres Planted (Includes width of maintenance area adjacent to planting)**
   - Acres Planned
   - Acres Applied

**Natural Resources Conservation Service (NRCS) Representative or Technical Service Provider**

- Layout by __________________________ Date ________________
- Designed by __________________________ Date ________________
- Checked by __________________________ Date ________________
- Approved by __________________________ Date ________________

**Producer’s Statement**

The design of this practice has been discussed with me, and I concur with the design. **No changes are allowed without the approval of the NRCS Representative or the Technical Service Provider.**

- Signature __________________________ Date ________________

Attach a copy of an ArcGIS generated conservation plan map denoting field boundary, field number, land use, acres, and north arrow as per National Planning Procedures Handbook, Part 600.31.
Name: BBR 51

Use of Seedlings

<table>
<thead>
<tr>
<th>Row No.</th>
<th>Species</th>
<th>Kind of Stock**</th>
<th>Length of Row (ft.)</th>
<th>Within Row Spacing (ft.)</th>
<th>Distance Between This Row and the Next (ft.)</th>
<th>Number of Seedlings Per Row</th>
</tr>
</thead>
<tbody>
<tr>
<td>1*</td>
<td>Willow</td>
<td>CU</td>
<td>1600</td>
<td>1</td>
<td>8</td>
<td>1600</td>
</tr>
<tr>
<td>2</td>
<td>Cottonwood</td>
<td>BR</td>
<td>1600</td>
<td>10</td>
<td>8</td>
<td>160</td>
</tr>
<tr>
<td>3</td>
<td>Cottonwood</td>
<td>BR</td>
<td>1600</td>
<td>10</td>
<td>8</td>
<td>160</td>
</tr>
<tr>
<td>4</td>
<td>Sycamore</td>
<td>BR</td>
<td>1600</td>
<td>10</td>
<td>10</td>
<td>160</td>
</tr>
<tr>
<td>5</td>
<td>Sycamore</td>
<td>BR</td>
<td>1600</td>
<td>10</td>
<td>10</td>
<td>160</td>
</tr>
<tr>
<td>6</td>
<td>Sycamore</td>
<td>BR</td>
<td>1600</td>
<td>10</td>
<td>10</td>
<td>160</td>
</tr>
<tr>
<td>7</td>
<td>American Plum</td>
<td>BR</td>
<td>1600</td>
<td>10</td>
<td>6</td>
<td>160</td>
</tr>
<tr>
<td>8</td>
<td>American Plum</td>
<td>BR</td>
<td>1600</td>
<td>10</td>
<td>6</td>
<td>160</td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
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<td></td>
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<tr>
<td>11</td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

** BR = Bare Root; CO = Containerized; CU = Cutting

Total Number of Seedlings by Species

<table>
<thead>
<tr>
<th>Species</th>
<th>Total Number by Species</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Planned</td>
</tr>
<tr>
<td>Cottonwood</td>
<td>1600</td>
</tr>
<tr>
<td>Cottonwood</td>
<td>325</td>
</tr>
<tr>
<td>Sycamore</td>
<td>475</td>
</tr>
<tr>
<td>American Plum</td>
<td>325</td>
</tr>
</tbody>
</table>

Total: 1125

Notes: ____________________________________________

Direct Seeding

<table>
<thead>
<tr>
<th>Row No.</th>
<th>Species</th>
<th>Acres to be Planted</th>
<th>Planned</th>
<th>Applied</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Pounds of Seed/Acre</td>
<td>Total Pounds of Seed</td>
</tr>
<tr>
<td>1*</td>
<td></td>
<td></td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>3</td>
<td></td>
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<tr>
<td>4</td>
<td></td>
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<tr>
<td>5</td>
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<tr>
<td>6</td>
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</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
<td>0.0</td>
<td>0.0</td>
</tr>
</tbody>
</table>

* Row No. 1 is always on the north or west side for windbreak/shelterbelt plantings and always nearest streamside for riparian forest buffer plantings. If direct seed broadcasting is the method used for establishment, disregard the Row No. column.

Certification

This applied practice meets Kansas standards and specifications. This practice has been applied as designed.

NRCS Representative or Technical Date
Service Provider
Producer Date