**STORM WATER MANAGEMENT POND CONSTRUCTION SPECIFICATIONS**

**Site Preparation**
- Excavation shall be performed in a manner that will provide for adequate drainage and will not create any subsurface water. The excavated area shall be backfilled to original grade with compacted fill material.
- Topsoil shall be removed to a depth of 12 inches and stockpiled for future use.
- All excavated material shall be removed from the site.

**Earth Fill**
- Fill material shall be compacted to a minimum density of 95% of the standard Proctor density.
- Fill shall be placed in lifts not exceeding 6 inches and compacted after each lift.
- Fill material shall be free of organic material, vegetation, and debris.

**Compaction Test Results**

<table>
<thead>
<tr>
<th>Lift</th>
<th>Number of Tests</th>
<th>Average Density</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>6</td>
<td>95%</td>
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**Structural Steel**
- Structural steel shall be fabricated and welded in accordance with the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section IX, and shall be certified by a qualified welding inspector.
- All welds shall be examined by radiography or ultrasonics.

**Concrete**
- Concrete shall be placed in lifts not exceeding 6 inches and compacted after each lift.
- All reinforcement shall be placed in accordance with the engineer's plans.

**Plastic Fleece**
- Plastic fleece shall be installed over the compacted fill material before the concrete is placed.

**Seepage Control**
- All seepage lines shall be installed before the concrete is placed.
- Seepage lines shall be verified by a competent professional before the concrete is placed.

**Rock Erosion**
- Rock erosion shall be protected by a rock curtain system.

**Care of Water during Construction**
- Water shall be diverted to the selected water management pond.
- All water shall be treated to meet the requirements of the state health department.

**Pipe Culverts**
- All culverts shall be installed in accordance with the engineer's plans.
- Culverts shall be backfilled with compacted fill material.

**Cement and Crushed Stone**
- Cement and crushed stone shall be placed in lifts not exceeding 6 inches and compacted after each lift.
- All reinforcement shall be placed in accordance with the engineer's plans.

**Sediment Erosion Control Notes**
- Silt fences shall be installed around the perimeter of the pond.
- All construction material shall be covered to prevent erosion.

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