**Design Summary**

<table>
<thead>
<tr>
<th>Structure Number</th>
<th>Capacity</th>
<th>Dimensions (feet)</th>
<th>Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Actual (cfs)</td>
<td>Design (cfs)</td>
<td>Flow Depth, H (feet)</td>
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### Remarks

1/ Reinforcing steel should be No. 3 steel bars.

Total Concrete: __________ cubic yards
Total Reinforcing Steel: __________ lbs __________ feet
Total Welded Wire Reinforcement: __________ lbs __________ square yards

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Before any investigation or construction activity, the excavator is responsible for calling Kansas One-Call at 800-344-7233 (800-DIG-SAFE).

Cement Type

Concrete Design Strength

Remarks

Scale: 1" = __________
**Notes:**
1. The foundation soil shall be firm and uniform.
2. No water is to be ponded in front of the structure.
3. All concrete shall be 6 inches thick.
4. Use 3500 psi (minimum) concrete at 28-day test, with air-entrainment.
5. 6 x 6 - W2.9 x W2.9 (6 x 6 - 6 x 6) welded wire reinforcement (WWR) will be used in the slope, apron, toewalls, and sidewalls.
6. All joints are to be double-reinforced by laps of 15 inches or more.
7. WWR shall be placed near the center and adequately supported before concrete is placed.
8. WWR in slope and apron shall be bent into toewalls.
9. WWR in sidewalls shall be bent into slope and apron.
10. Reinforcing steel should be No. 3 steel bars—one bar in each wall.
11. Reinforcing steel should be placed in the upper portion of the walls a minimum of 2 inches from the surface of the concrete and bent 15 inches into the headwall and toewall.

**Table of Capacity and Quantity**

<table>
<thead>
<tr>
<th>Depth, H (feet)</th>
<th>Fall, F (feet)</th>
<th>Length, L (feet)</th>
<th>Capacity (cfs)</th>
<th>Concrete Volume (cubic yards)</th>
<th>Reinforcing Steel (feet-inches)</th>
<th>WWR (square yards)</th>
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</thead>
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