NOTE: BASINS LESS THAN 20' IN LENGTH MAY USE 2 BAFFLES.

SUMMARY:
- **Primary Spillway:** Trapezoidal Spillway with Impermeable Membrane
- **Maximum Drainage Area:** 10 Acres
- **Minimum Volume:** 1800 Cubic Feet per Acre of Disturbed Area
- **Minimum Surface Area:** 325 Square Feet per CFS of Q25 Peak Inflow
- **Minimum L/W Ratio:** 2:1
- **Maximum L/W Ratio:** 6:1
- **Minimum Depth:** 2 Feet
- **Dewatering Mechanism:** Skimmer
- **Minimum Dewatering Time:** 2 Days
- **Design Basin Life:** 3 Years or Less
- **DAM Height:** 5 Feet Maximum
- **Baffles Required:** 3 Baffles

SEE NC Erosion and Sediment Control Planning and Design Manual.

*NOTE: Basins less than 20' in length may use 2 baffles.*

1. Locate Sediment Inflow to the Basin away from the dam to prevent short circuits from inlets to outlets.
2. Basin must be stabilized immediately upon construction and prior to site inspection approval.

**Notes:**
- Support rope to wire to prevent sagging
- Support post 24" into bottom or sides
- Stake to support wire
- Design life of fabric is 6-12 months
- Coir mesh or jute, trenched into bottom and side

**Sketch Notes:**
- Extend baffles up sides as to not allow flow around the ends.
- Inlet zone 25% of surface area
- First chamber 25% of surface area
- Second chamber 25% of surface area
- Outlet zone 25% of surface area

**City of Raleigh Standard Detail**