



STORMWATER DETENTION

Stormwater Detention expands on the existing pond at the Sherman Community Nature Center to reduce peak flows downstream via detention and controlled stormwater outflow in lieu of just providing storage.

- 1 VEGETATED BERM**
Vegetated berm to separate detention pond from wet pond and increase aesthetics and habitat diversity.
- 2 OVERFLOW**
Overflow into detention pond at 1567.0' designed to allow water from wet pond to flow into detention pond once full where outflow is controlled via outlet control device.
- 3 OUTLET CONTROL DEVICE**
- 4 UNDERGROUND OUTLET TO STREAM**
- 5 FLOW DIVERSION**
- 6 FOREBAY**
- 7 SPILLWAY**
- 8 GABION BAFFLE**
Gabion baffle to direct flow into detention area.
- 9 EMERGENCY SPILLWAY**
Emergency spillway designed for flood release during 100-year storms or greater.
- 10 REDUCE PEAK STORM FLOWS**
Provide off-line water quantity storage to reduce flooding in downstream areas including the school athletic fields by preventing localized flooding from a 1-year storm.
- 11 RELOCATED DOCK**
Relocate dock to allow proper flow of the stormwater into the detention area.