NOTES:
1. PROVIDE ALL CALCULATIONS FOR ORIFICE DESIGN.
2. PROVIDE ANTI–FLOTATION BLOCK CALCULATIONS.

STANDARD RISER-BARREL SEDIMENT BASIN

EMERGENCY SPILLWAY CONSTRUCTED OVER UNDISTURBED GROUND AND ARMORED WITH RIP RAP

SEDIMENT TRAP

DISSIPATER PAD RIP RAP

OUTLET PIPE

EARTH DAM

PLAN VIEW

PAINTED RED CLEANOUT MARK LOCATED HALFWAY UP RISER PIPE

CMP RISER (PERFORATED)

TRASH RACK & ANTI–VORTEX DEVICE

1″-0″ MINIMUM FREEBOARD

TOP OF DAM

EMERGENCY SPILLWAY ELEVATION

MINIMUM SLOPES 2-1/2 : 1

DISSIPATER PAD RIP RAP

CROSS SECTION

WATER LEVEL DURING STORM

SEDIMENT STORAGE AREA

GRAVEL FILTER

ANTI–FLOTATION DEVICE

ANTI–SEEP COLLAR

CMP OUTLET PIPE

iredeLL couNty • nc

EFFECTIVE: 01/31/08