



#### **ADS/Hancor/Prinsco Stormwater Quality Units**

1. Operations and Maintenance Manual shall include:
  1. The maximum sediment depth in inches, not referenced to the size of the unit.
  2. A graphical and written procedure for measuring the sediment.
  3. A procedure for removing oils and hydrocarbons.
  4. A maximum inspection frequency of 6 months.
  5. That the unit shall be cleaned at least once a year.
  6. That the unit is to be refilled after cleaning.
2. SWPPP sheet shall include:
  1. A construction detail that shows a minimum of 6" of #57 or #8 crushed aggregate for the bedding.
  2. The installation details, including the 6 step detail that is available on the manufacturers' websites.
  3. Concrete collars for risers when used in traffic loading conditions.
  4. A minimum of two 24" access openings (maintenance risers).

#### **AquaShield Aqua-Swirl Stormwater Quality Units**

1. Operations and Maintenance Manual shall include:
  1. A clearly specified maximum sediment depth.
  2. A graphical and written procedure for measuring the sediment.
  3. A procedure for removing oils and hydrocarbons that includes absorbent pads.
  4. A maximum inspection frequency of six months.
  5. That the unit shall be cleaned at least once a year.
  6. An inspection of each chamber of the unit is to be addressed.
2. SWPPP sheet shall include:
  1. A construction detail that shows a minimum of 12" of Class I bedding, compacted to 90% proctor density, extending at least 3.5' beyond the unit.
  2. A construction detail that shows Class I backfill, compacted to 90% proctor density, extending for the full height of the unit.
  3. A construction detail that shows the connection is made with a flexible connector and a shear guard.
  4. A reinforced concrete pad over the unit when used in traffic loading conditions. The pad shall extend beyond the outside of the unit by 12".
  5. Bollards are required around the unit when in a non-traffic condition.



**Contech *VortSentry* Stormwater Quality Units**

1. Operations and Maintenance Manual shall include:
  1. A clearly shown maximum sediment depth.
  2. A graphical and written procedure for measuring the sediment.
  3. A procedure for removing oils and hydrocarbons.
  4. A maximum inspection frequency of six months.
  5. That the unit shall be cleaned at least once a year.
2. SWPPP sheet shall include:
  1. A construction detail that shows a minimum of 6" of crushed aggregate for the bedding.

**Contech *Stormvault* Stormwater Quality Units**

1. Operations and Maintenance Manual shall include:
  1. A clearly shown maximum sediment depth.
  2. A graphical and written procedure for measuring the sediment.
  3. A procedure for removing oils and hydrocarbons that includes absorbent pads.
  4. A maximum inspection frequency of six months.
  5. That the unit shall be cleaned at least once a year.
  6. Inspection of each chamber of the unit is to be addressed.
2. SWPPP sheet shall include:
  1. A construction detail of the unit that includes the bedding and backfill requirements as specified by the manufacture.

**Contech *Vortechs* Stormwater Quality Units**

1. Operations and Maintenance Manual shall include:
  1. A clearly specified maximum sediment depth.
  2. A graphical and written procedure for measuring the sediment.
  3. A procedure for removing oils and hydrocarbons.
  4. A maximum inspection frequency of 6 months.
  5. That the unit shall be cleaned at least once a year.
  6. That inspection of each chamber of the unit is to be addressed.
2. SWPPP sheet shall include:
  1. A construction detail of the unit that includes 6" of stone bedding.
  2. A note for the contractor to level the unit.
  3. The Inlet 90° to the side of the unit.
3. The unit must be off-line if peak design flow greater than 100 gpm/ft<sup>2</sup> (0.22275 cfs/ft<sup>2</sup>) of treatment (grit) chamber.



### **Continuous Deflective Separation (CDS) Stormwater Quality Units**

1. Operations and Maintenance Manual shall include:
  1. A clearly specified maximum sediment depth.
  2. A graphical and written procedure for measuring the sediment.
  3. A procedure for removing oils and hydrocarbons.
  4. The maximum inspection frequency of 6 months.
  5. That the unit shall be cleaned at least once a year.
  6. That the inspection of the inner and outer areas of the screen for sediment.
2. SWPPP sheet shall include:
  1. A construction detail that shows a minimum of 6" of crushed aggregate for the bedding.
  2. A detail of the unit with a 2400\_m screen specified. The 4800\_m screen is prohibited.
  3. A minimum of a 24" access openings (maintenance risers).

### **Hydro International Downstream Defender Stormwater Quality Units**

1. Operations and Maintenance Manual shall include:
  1. A clearly specified maximum sediment depth.
  2. A graphical and written procedure for measuring the sediment.
  3. A procedure for removing oils and hydrocarbons.
  4. The maximum inspection frequency of 6 months.
  5. That the unit shall be cleaned at least once a year.
2. SWPPP sheet shall include:
  1. A construction detail that shows a minimum of 6" of crushed aggregate for the bedding.
  2. A construction detail of the unit that includes the backfill requirements as specified by the manufacture.

### **Imbrium Stormceptor Stormwater Quality Units**

1. Operations and Maintenance Manual shall include:
  1. A clearly specified maximum sediment depth.
  2. A graphical and written procedure for measuring the sediment. This should include the use of a dipstick tube equipped with a ball valve (e.g. Sludge Judge)
  3. A procedure for removing oils and hydrocarbons.
  4. A maximum inspection frequency of 6 months.
  5. That the unit shall be cleaned at least once a year.
2. SWPPP sheet shall include:
  1. A construction detail that shows a minimum of 6" of crushed aggregate for the bedding.
  2. A construction detail that shows the elevation of the outlet pipe should be a minimum of one-inch below the elevation of the inlet pipe.
  3. A minimum requirement of 2' of cover above the crown of the pipe to grade for the unit.
3. The velocity of the water entering the unit must be less than 4.27 feet per second.