



## **STANDARD DETAILS (08-01-09)**

### **A. Muellner Green Roof (MGR)**

#### **Light Weight Applications**

- MGR 1A** Flat Application for Turf
- MGR 1B** Sloped Application for Turf
- MGR 2A** Flat Application for Landscape Vegetation
- MGR 2B** Sloped Application for Landscape Vegetation

#### **Heavy Weight Applications**

- MGR 3** Flat Application for Turf
- MGR 4** Flat Application for Landscape Vegetation

#### **Miscellaneous**

- MGR 5** Roof Deck Planter Box
- MGR 6** Concrete Sidewalk
- MGR 7** PICP Sidewalk
- MGR 8** Netpave 50 Sidewalk
- MGR 9** Building Wall Edge Condition w/Concrete Sidewalk
- MGR 10** Building Wall Edge Condition w/RME
- MGR 11** Outlet Pipe Through Roof
- MGR 12A** EPIC Chamber Zero Drain/Return Header Pipe Connection (Side View)
- MGR 12B** EPIC Chamber Zero Drain/Return Header Pipe Connection (Plan View)

### **B. RESI Sportsfields**

#### **Netlon Advanced Turf System Sand Based Sportsfield (ATS)**

- ATS 1** 4" ATS Light Duty Detail
- ATS 2** 6" ATS Medium Duty Detail
- ATS 3** 8" ATS Heavy Duty Detail

#### **EPIC Sportsfield (ES)**

- ES 1A** 16" Profile Standard Detail
- ES 1B** 16" Profile w/Zero Drain Standard Detail

#### **McCully Sustainable Sportsfield (MSS)**

- MSS 1A** 16" Profile w/4" ATS Light Duty Detail
- MSS 1B** 16" Profile w/4" ATS & Zero Drain Light Duty Detail
- MSS 2A** 18" Profile w/6" ATS Medium Duty Detail
- MSS 2B** 18" Profile w/6" ATS & Zero Drain Medium Duty Detail
- MSS 3A** 18" Profile w/8" ATS Heavy Duty Detail
- MSS 3B** 18" Profile w/8" ATS & Zero Drain Heavy Duty Detail

### **C. Stormwater Management Applications (WMA)**

#### **Commercial Infiltration or Detention Facilities**

- WMA 1A** 16" Profile Standard Detail
- WMA 1B** 24" Deep Profile Detail

#### **Commercial Non-Infiltration Facility**

- WMA 2A** 16" Profile Standard Detail

**WMA 2B** 24" Deep Profile Detail

#### **Biofiltration Facility**

**WMA 3A** 29" Profile w/Landscape Vegetation  
**WMA 3B** 29" Profile w/Landscape Vegetation & Pre-Treatment  
**WMA 3C** 18" to 26" Profile w/Turf & Pre-Treatment (End View)  
**WMA 3D** 18" to 26" Profile w/Turf & Pre-Treatment (Side View)  
**WMA 3E** 18" to 26" Profile w/Turf & Pre-Treatment (Plan View)

#### **Spillways And Curbcuts**

**WMA 5A** Netpave 50 Spillway w/Turf  
**WMA 5B** Netpave 50 Spillway w/Gravel

#### **Energy Dissipation for Pipe Outlets**

**WMA 5C** Netpave 50 Energy Dissipation

### **D. Landscape Irrigation Applications**

#### **Commercial Irrigation**

**CLI 1A** 14" Profile w/Turf (Larger than 10,000SF)  
**CLI 1B** 14" Profile w/Turf (Smaller than 10,000SF)  
**CLI 1C** 14" Profile w/Turf and Zero Drain

#### **Residential irrigation**

**RLI 1A** 14" Profile w/Turf (Smaller than 5,000SF)  
**RLI 1B** 14" Profile w/Turf and Zero Drain

### **E. Permeable Applications**

#### **Netlon Advanced Turf System (ATS)**

##### **Commercial Applications for Medium Duty Applications**

**ATS 1A** Parking Lot or Access Route w/6" ATS Layer  
**ATS 1B** Parking Lot or Access Route w/6" ATS Layer and Sub-base  
**ATS 1C** Parking Lot or Access Route w/6" ATS Layer, Sub-base & EPIC Drainage Trench  
**ATS 1D** Parking Lot or Access Route w/6" ATS Layer and EPIC Irrigation

##### **Commercial Applications for Heavy Duty Applications**

**ATS 2A** Parking Lot or Access Route w/8" ATS Layer  
**ATS 2B** Parking Lot or Access Route w/8" ATS Layer and Sub-base  
**ATS 2C** Parking Lot or Access Route w/8" ATS Layer, Sub-base & EPIC Drainage Trench  
**ATS 2D** Parking Lot or Access Route w/8" ATS Layer and EPIC Irrigation

#### **Permeable Interlocking Concrete Pavers (PICP)**

##### **Commercial Applications for Parking Lots**

**PICP 1A** Parking Lot Section w/ 21" Subcut Standard Detail  
**PICP 1B** Parking Lot Section w/ 33" Subcut Deep Profile Detail

##### **Residential Applications for Driveways**

**PICP 2A** Driveway Section w/12" Subcut Standard Detail  
**PICP 2B** Driveway Section w/18" Subcut Deep Profile Detail

##### **Residential Applications for Patios and Sidewalks**

**PICP 3** Patio / Sidewalk Section w/12" Subcut Standard Detail

#### **Netpave 50**

##### **Commercial Applications for Parking Lots or Access Routes**

**N50 1A** Parking Lot or Access Route w/Gravel and 20" Subcut Standard Detail

- N50 1B** Parking Lot or Access Route w/Grass, ATS Layer and Sub-base  
**N50 1C** Parking Lot or Access Route w/Grass, ATS Layer, Sub-base and EPIC  
 Drainage Trench

**Residential Applications for Driveways**

- N50 2A** Driveway Section w/Gravel and 12" Subcut Standard Detail  
**N50 2B** Driveway Section w/Grass and 12" Subcut Standard Detail

**F. MISCELLANEOUS DETAILS (MISC)**

**Tree / Shrub / Planter Box**

- MISC 1** EPIC Raised Planter Box  
**MISC 2A** Raised Tree Planter (24" Ht. Max.)  
**MISC 2B** Raised Tree Planter (12" Ht. Max.)  
**MISC 2C** EPIC Shrub and Tree Profile (24" Dia. Root Ball)

**Sloped Applications**

*Upon Request*

**Vaults / Storage Tanks**

- MISC 4A** EPIC Inlet Vault (2" Connection Pipes)  
**MISC 4B** EPIC Inlet Vault (4" Connection Pipes)  
**MISC 4C** EPIC Inlet Vault w/Water Supply (2" Connection Pipes)  
**MISC 4D** EPIC Inlet Vault w/Water Supply (4" Connection Pipes)  
**MISC 4E** EPIC Inlet Vault w/Water Supply (6" Connection Pipes)  
**MISC 4F** EPIC Inlet Vault w/Water Supply (8" Connection Pipes)  
**MISC 5A** EPIC Light Duty Drain Vault  
**MISC 5B** EPIC Medium Duty Concrete Drain Vault  
**MISC 5C** EPIC Heavy Duty Concrete Drain Vault  
**MISC 5D** EPIC Heavy Duty Concrete Drain Vault w/Pump  
**MISC 6A** Precast Concrete Storage Reservoir (Side View)  
**MISC 6B** Precast Concrete Storage Reservoir (Top View)

**EPDM Liner**

- MISC 7A** Termination Bar  
**MISC 7B** EPIC Liner Seaming Method

**Header Pipes**

- MISC 8A** Inlet/Supply Side  
**MISC 8B** Zero Drain/Return Side

**Chamber Spacing**

**Muellner Green Roof**

- MISC 9A** Chamber on Liner (1/25SF)

**RESI Sportsfield**

- MISC 9B** EPIC Level 1 (1/32SF)  
**MISC 9C** EPIC Level 2 (1/41SF)  
**MISC 9D** ATS OR Replacement for Traditional Drantile (1/109SF)

**Stormwater Management**

- MISC 9E** Infiltration or Detention Facilities (1/66SF)  
**MISC 9F** Non-Infiltration Facility (1/66SF)  
**MISC 9G** Bio-Filtration Facility (1/32SF)

**Landscape Irrigation**

- MISC 9H** Larger than 10,000SF w/Turf (1/41SF)  
**MISC 9I** Smaller than 10,000SF w/Turf (1/41SF)