THE PRESERVER™ CURB CUT INLET

**PLAN VIEW**

- **CURB FLOW LINE**
- **DISSIPATOR**
- **SKIMMER**
- **NOTE 1:** THE PRESERVER™ ENERGY DISSIPATOR WAS DESIGNED AND TESTED TO FUNCTION WITH OR WITHOUT A SKIMMER. DISSIPATORS & SKIMMERS CAN BE UTILIZED IN TANDEM OR INDEPENDENTLY.

**CROSS SECTION AA**

- **NEENAH R-5900-F FLUSH MOUNT CASTING, OR EQUAL**
- **CURB CUT FLOW LINE**
- **DISSIPATOR**
- **SKIMMER**
- **OPTIONAL Ø8" HOLE & STONE BASE MATERIAL TO PROMOTE DRAIN-DOWN**
- **Ø, SEE NOTE 2**

**GENERAL NOTES:**
- GRAVITY FLOW CAPACITY OF 5.25 CFS
- RIPRAPH STILLING BASIN RECOMMENDED AT STRUCTURE OUTLET

**NOTE 2:** 4" MIN. STRUCTURE DIAMETER. 5" MIN. STRUCTURE DIAMETER WHEN USING DISSIPATOR & SKIMMER IN TANDEM

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**BENEFITS:**

- **REDUCE DOWNSTREAM BMP MAINTENANCE WHILE PRESERVING FUNCTIONALITY**
- **OPTION TO INCLUDE A SKIMMER FOR CAPTURE OF FLOATABLE POLLUTANTS**
- **DISSIPATOR INCREASES REMOVAL EFFICIENCIES & DECREASES RESUSPENSION & WASHOUT OF CAPTURED MATERIAL**
- **LARGE STORAGE CAPACITY FOR CAPTURED MATERIAL**
- **NO STRUCTURE SEPARATION FROM THE CURB CUT**
- **EASY TO INSTALL, ACCESS, & MAINTAIN**
- **TREAT LARGE AREAS / HIGH FLOWS**
- **FIELD VERIFIED PERFORMANCE**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PRESERVER™</th>
<th>RAIND GUARDIAN™ BUMP</th>
<th>CALIFORNIA BUMP</th>
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</thead>
<tbody>
<tr>
<td>TREATMENT FLOW CAPACITY</td>
<td>5.25 CFS</td>
<td>777 CFS (3.45 CFS INCLUDING BYPASS FLOW)</td>
<td>*4 CF</td>
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<tr>
<td>MATERIAL STORAGE CAPACITY</td>
<td>36 CF MIN. (Ø8&quot;, 3' SUMP)</td>
<td>*4 CF</td>
<td></td>
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<tr>
<td>INSPECTION/MAINT. FREQUENCY</td>
<td>ONCE PER YEAR</td>
<td>AFTER EVERY STORM</td>
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**WEST STRUCTURE**

- **DISTRIBUTOR ONLY INSTALLED W/ 4" DIA. STRUCTURES & 3' SUMPS**

**Background:**
- 1.75 acre commercial site
- 37.5' total rental

**Monitoring Results:**
- 1,000 lbs material captured, including:
  - 0.72 lbs phosphorus
  - 1.85 specific gravity
  - Significant heavy metals

**Preserver Performance - Maplewood Restaurant**