Snout® Structure

The Snout Structure is a Nyloplast catch basin with a plastic composite hood device attached to the inside wall of the catch basin structure designed to cover the outlet pipe in such a manner to prevent the exit of floating debris and oil.

How the Snout Structure Works:
- Contaminated storm water is captured in the Nyloplast catch basin structure.
- Majority of floatable trash and debris, and some free oils and grease, separate from water and float to top.
- Portion of the suspended solids settle to the bottom.
- Cleaner water from beneath surface flows through outlet pipe.

Snout Structure Benefits:
- Effective low cost simple solution for storm water treatment.
- Captures up to 95% of floatables, while providing significant capture of free oils and suspended solids.
- Easy to clean.
- Very low head loss.
- Highly corrosion resistant for long service life.
- Prevents siphoning of trapped contaminants.

Snout Structure Specifications:

<table>
<thead>
<tr>
<th>Catch Basin Diameter</th>
<th>Maximum Outlet Pipe</th>
<th>Minimum Sump</th>
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</thead>
<tbody>
<tr>
<td>18”</td>
<td>12”</td>
<td>24”</td>
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<tr>
<td>24”</td>
<td>15”</td>
<td>30”</td>
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<tr>
<td>30”</td>
<td>18”</td>
<td>36”</td>
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</tbody>
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Flow Restrictor (optional):
- Controls discharge rate out of structure
- Provides clog-free quantity control (unlike orifice plate or trip tee)

Design Tip: To increase water quality benefit, use a larger structure size for a smaller pipe, or increase the sump depth. A bigger deeper structure means more volume for settling and less frequent maintenance.

Maintenance:
Normal maintenance consists of routine inspection and rinsing with a hose or pressure washer during the cleaning sequence of the catch basin and flushing the anti-siphon vent with water or air to verify that it is clear.