

CASE FILE



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SITE CIVIL IMPROVEMENT ↔ EROSION CONTROL ↔ SURFACE WATER QUALITY

GeoPro® Learning Tool

October 23, 2008

Cedar Street *Nutrient Separating Baffle Boxes*, Holt, MI Full-Flow Stormwater Treatment With Installation Ease

Hoffman Brothers cracker-jack underground crew installed two **Nutrient Separating Baffle Boxes** [NSBBs] on October 14th in spite of a weather-delayed start and unfamiliarity with this product. Starting at approximately 11:00 am, they placed the larger 6-12 model first, retrofitting it into an existing 36" system. By 5:30 pm, they had all four concrete sections installed, pipes sealed and risers well on the way to completion. During this same time expanse, the *Hoffman Brothers* crew completed installing the 4-8, two-section unit, including sealing the up-gradient pipe into a new 21" storm system. Installation speed & ease - benefits often questioned until experience proves the reality.

The **NSBB's** capability to treat all design flows rather than only 'first flush' events influenced its selection by *Tetra Tech MPS* for both Cedar Street systems. With proper pipe grades available within the new system, all sumps were eliminated, making full-system maintenance significantly more efficient and cost effective for the Owner. And since **NSBBs** uniquely separate most of the light organic matter and litter from the water using a ramped screen system, which enables storage of these contaminants above the static water line between events, subsequent storm flushes cause far less bacteriological, nutrient, BOD and COD loads from entering receiving waters.

More complete stormwater treatment - in terms of both quantity of flow and breadth of contaminants - makes the **Nutrient Separating Baffle Box** the logical choice for storm drain system water quality improvement.

For addition information, visit [our web site](#), contact your *Regional Representative* or visit [Suntree Technologies, Inc.'s web site](#), manufacturer of the **Nutrient Separating Baffle Box** system.



NSBB 6-12 unit retrofitted into 36" system



NSBB 4-8 bottom unit - screen systems are pre-installed at the plant



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