

# KEY NOTE



**PRICE & COMPANY**  
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SITE CIVIL IMPROVEMENT ↔ EROSION CONTROL ↔ SURFACE WATER QUALITY

GeoPro® Learning Tool

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## Nutrient Separating Baffle Box - Contractor Information

Price and Company [PCI] offers the following information to assist its customers in preparing reliable bids and construction sequencing when deploying **Nutrient Separating Baffle Boxes** [NSBBs].

### Overview

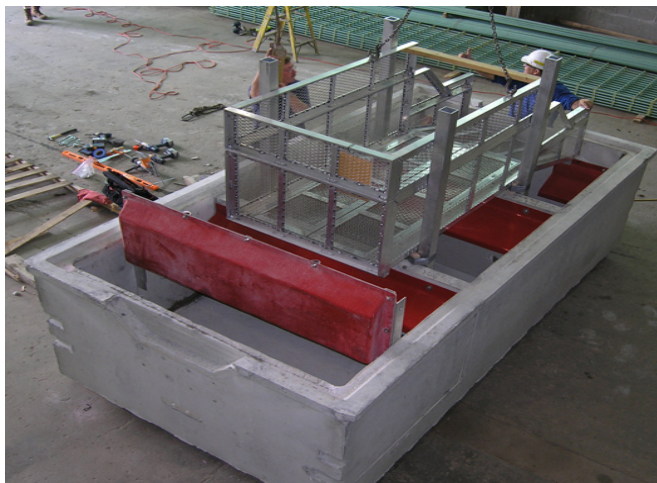
NSBBs are delivered with the basket system, deflectors & flow divider assembled into the lower concrete box. No adjustments to the basket system, deflectors or flow divider are needed during installation. Each NSBB will also include a top section of concrete which includes openings for access into the NSBB from the top. For deeper installations, one or more mid-sections of concrete may be required. All concrete sections, i.e., lower box, any mid-sections and the top, are fabricated using ship lap joints and sealed using two strips of butyl rubber per joint.

2. Concrete mid-section(s) [if needed],
3. Concrete top,
4. Butyl rubber sealing strips and exterior joint wrap,
5. Skimmer & Storm Boom system,
6. Specified frames & grates, rings & covers or hatches, and
7. Delivery to the job site, Freight-On-Board.

Spacing rings or risers are typically needed between the NSBB top and finish grade. The contractor is responsible for furnishing these items.

### Lead Times

1. If adjustments to the NSBB details [unit working drawings] are required, please allow 3-5 days for altered details preparation.
2. Once an order is placed with PCI, allow 4-6 weeks for unit delivery.
3. Delivery is often accomplished using a crane truck. Allow up to 5 working days for delivery from the date of delivery request. If the date is altered, call PCI to determine the next available date.



Screen, deflectors & flow deflectors are preassembled prior to delivery

### Materials Supplied By Price and Company

Unless noted otherwise on our 'Quotation for Materials', the unit price indicated includes the following:

1. Base concrete unit with assembled screen system



Knockouts are typically needed with larger pipe sizes



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# KEY NOTE

## Order Placement

PCI will order NSBB fabrication once it receives the following documentation from its customer:

1. 'Approved' details, signed by the Project Engineer or other entity having authority for such approval [contractor is responsible for obtaining appropriate 'Approval'], and
2. A signed copy of the PCI 'Quotation for Materials' (this document is an integral part of the PCI 'Quotation for Materials').

## Nutrient Separating Baffle Box Installation

### Contractor Responsibilities

With the exception of finalizing skimmer and Storm Boom installation [described below], the Contractor is responsible for all work required to properly position and install NSBB units, sealing materials, pipes (knockout removals included), risers, backfilling and access covers.

Standard fabrication of NSBBs provides 6+” opening 'diameters' greater than that of the outside pipe diameters, enabling simple installation within both new and retrofitted systems. *Final pipe positions require that the pipe ends must be set or cut flush with the interior walls or be recessed a small distance into the NSBB wall, i.e., they cannot extend into the interior of the unit.* All pipes should be sealed within the NSBB walls per specification or local code requirements.

Knockouts such as shown in both pictures on the previous page may prevent sliding of the assembled unit beneath an existing pipe during installation. Contact your **PCI Technical Representative** for more detailed information.

The Skimmer and Storm Boom system requires minor assembly once after the lower box, any mid-sections and top are installed. This work is typically completed by PCI personnel or with the direction of PCI personnel during unit installation. This minor assembly must occur during initial box setting operations. Therefore, PCI personnel must be on-site during each NSBB installation. Please allow a 3 day lead time for PCI personnel to be on-site. If other-than-PCI personnel will be completing the required assembly tasks, please contact PCI with regard to what tasks, tools and time values are expected. The coordination of this minor assembly will help prevent excessive delays on the part of the crane or crane truck use.

### NSBB Models 4-8, 5-10 and 6-12

Delivery will be made using a crane truck, which has the ability to both unload and assist the contractor in 'setting' NSBBs.

1. Unloading is provided without charge provided that excessive delay times are not experienced by the carrier,
2. The crane truck will assist in 'setting' NSBBs, without additional cost, provided:
  - a. The box weight-reach combination is not exceeded [see Table 1],
  - b. The crane truck can operate without obstruction [overhead wires, trees, limiting site restrictions, etc.],
  - c. The crane truck has adequate soil support to safely operate, and
3. If the crane truck off-loads and the contractor elects to set the NSBB at a later time, the contractor is responsible to provide the appropriate spreader bar-cable system for this operation. Contact your **PCI Technical Representative** for detailed information.

**Table 1: NSBB Weights & Crane Truck Limits**

NSBB Model	Maximum Weight (lbs)	Max. Boom Truck Reach <sup>1</sup> (feet)
4-8	9,000	30
5-10	14,500	26
6-12	18,500	23
7.5-14	Call	NA
10-16	Call	NA

<sup>1</sup> Measured from center of crane post to center point of NSBB.

### NSBB Models 7.5-14, 10-16 and 12-20

The contractor is responsible for providing a crane, spreader bar and chains/cables appropriate to off-load and set these NSBBs. PCI will supply the contractor with required lengths for both the spreader bar and chains.

1. All Models come fabricated with floor *Swift Lift* inserts which require *Swift Lifts* for off-loading and setting operations.
2. If unit 'setting' is completed, without excessive delays and on the same day as off-loading, carrier-supplied *Swift Lifts* may be used.
3. For delayed 'sets', the contractor is responsible for providing appropriate 8 ton *Swift Lifts*.

**If questions arise relevant to the information contained herein, please feel free to contact your Regional Representative.**