October 26, 2012

Mr. Jonathan D. Moody, P.E.
Principal
Thirsty Duck, LTD
9400 River Crossing Blvd., Suite 104
New Port Richey, FL 34655

Address Reply To:
Robert A. Burnett, Director
NYS Department of Transportation
Geotechnical Engineering Bureau
50 Wolf Road, Mail Pod 42
Albany, NY 12232

RE: APPLICATION FOR THIRSTY DUCK
SUBMITTED TO NEW PRODUCT EVALUATION
COMMITTEE

Dear Mr. Moody:

The New Products Evaluation Committee of the NYSDOT has received and reviewed your application for the Thirsty Duck Buoyant Flow Device and Early Riser Buoyant Flow Device, described as floating weirs and orifices for use as discharge control devices for stormwater detention pond outlets.

NYSDOT finds that although these products include a floating, submerged orifice, which is similar in function to products that meet our special specification for Item 11661.02 Skimmer (enclosed), it does not meet the requirements of that special specification. However, these products are acceptable and may still be used on Department projects if:

- A project designer writes a special specification allowing their use, or;
- The Contractor proposes their use to the Department as a substitution on projects where Item 11661.02 Skimmer is used, or;
- Department Maintenance forces wish to use it.

This letter completes our evaluation of these products, and shall not be reproduced, except in full. This letter may not be used for advertising purposes. Acceptance of any product by the Department does not constitute endorsement.

Thank you for submitting your products for our consideration. If you have any questions, you may contact Dave Graves in the Environmental Science Bureau at Dave.Graves@dot.ny.gov.
Sincerely,
ROBERT A. BURNETT, Director
Geotechnical Engineering Bureau

By
Donald F. Dwyer
Associate Soils Engineer
Chair, New Product Evaluation Committee

DFD/DRG
Enclosure

cc: Robert Sack, Director, Office of Technical Services, Mail Pod 5-2
Matthew Ballien, Materials Bureau, Mail Pod 5-1
FHWA, New York Division
New Product Evaluation Committee
Regional Construction Engineer, All Regions
Regional Design Engineer, All Regions
Regional Materials Engineer, All Regions
Regional Traffic Engineers, All Regions
Dave Graves, Environmental Science Bureau, Mail Pod 4-1
ITEM 11661.02 M - SKIMMER

DESCRIPTION. This work consists of supplying and installing a skimmer as shown in the construction documents.

MATERIALS. Materials required for this work include the following:

Skimmer. The structure shall be made of high density polyethylene or other sturdy, crack- and corrosion resistant material approved by the Engineer. Color shall be black or very dark brown. Overall dimensions of the structure shall be approximately 0.521 meters long, .406 meters wide, and .635 meters tall. The structure shall have a 0.203 meter wide opening, approximately 0.1 meters tall, through which water will flow when the recirculating pump (paid for separately) is turned on. The opening shall have a door, hinged at the bottom, that closes when the pump is not running. The top of the opening shall be within 0.05 meters of the top of the structure. The interior of the structure shall function as follows: water from the pond will be sucked through the opening and through a durable synthetic mesh bag where large debris will be trapped. This bag must fit the opening snugly and must be easy to remove and put back in place. Trapped debris will be emptied from the bag manually. Water will continue to be sucked downward through a horizontal filter mat supported on a grate of plastic tubes where fine particles will be trapped. The water will then be sucked through the pump and into a flexible 76 millimeter diameter poly vinyl chloride pipe The Contractor shall receive approval from the Regional Landscape Architect and the Engineer for the skimmer to be used prior to purchasing it.

CONSTRUCTION DETAILS. The skimmer shall be installed as shown in the construction documents and as recommended by the manufacturer. The Contractor shall provide the Engineer with a copy of the manufacturer’s instructions prior to installation. After the pond has been filled with water, and the rest of the pond plumbing is installed and connected, the Contractor shall test the installation in the presence of the Engineer and make any adjustments needed to assure smooth functioning of the skimmer and the safety of users of the site. In addition, the Contractor shall provide three copies of the manufacturer’s maintenance recommendations to the Engineer.

METHOD OF MEASUREMENT. The quantity of skimmers will be the number of skimmers installed as shown on the plans, as required by this specification, and as approved by the Regional Landscape Architect and the Engineer.

BASIS OF PAYMENT. The unit price bid per skimmer shall include the cost of all labor, equipment, and materials necessary to complete the work.