**2013 Billerica, MA Type II LA-EDI**

**3. Influent Feedwell Well and Energy Dissipating Inlet (EDI)**

**a.** Baffled openings shall be provided near the water surface to allow scum

to exit the feedwell.

**b.** The influent well shall either be supported on each side of the stationary

well with beam or truss type supports spanning the tank diameter, or

alternatively shall be supported bythe center drive cage.

**c.** The feedwell shall be made of not less than 3/16"thick steel plate with

necessary stiffening angles.

**d.** An integrated influent feed well and energy-dissipating inlet **(EDI)** shall

be provided for the center feed arrangement. The design including

dimensions and details shall be provided by U.S.Patent Holder

(Licensee) of the LA-EDI to ensure proper performance

**e.** Contractor shall provide documentation of design byLicensee and

payment of all licensing fees.

***f.*** The LA-EDI shall be the Type IILA-EDI. The well shall be equipped

with multiple wing-type outlet nozzles attached to the bottom of the

influent well. The nozzle ports shall be arranged in an opposing jet

configuration to create flow impingement to dissipated energy and

promote flocculation.

**g.** The LA-EDIshall have four (4) 6"x l'-6" scum ports, spaced at 90

degree intervals, to allow for the passage of scum. The invert of the

scum ports shall be **I"** below the invert of the v-notch effluent weir, or as

recommended by the manufacturer.

**h.** The minimum depth of the LA-EDI shall be 3'.

**i.** The LA-EDI shall be fabricated of not less than1/4" carbon steel plate

with adequate thickness for support. The LA-EDI shall be supported

from the center cage and fabricated from 1/4" A36carbon steel.