CONCRETE FORMS AND ACCESSORIES

PART 1 GENERAL
1.1 SECTION INCLUDES
A. Plastic, single use round forms for cast-in-place concrete applications including the following:
1. Concrete piers and footings.
2. Concrete light pole bases.
3. Concrete pour-in-place bollards.

1.2 RELATED SECTIONS
A. Section 03300 - Cast-in-Place Concrete.

1.3 SUBMITTALS
A. Submit under provisions of Section 01300.
B. Manufacturer's Data: Product data sheets and installation instructions.

1.4 DELIVERY, STORAGE, AND HANDLING
A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
B. Store forms in accordance with manufacturer's instructions.
C. Protect forms during handling and erection to prevent damage.

PART 2 PRODUCTS
2.1 MANUFACTURERS
A. Acceptable Manufacturer:
Ceme-Tube LLC, which is located at:
1293 Cty. Rd I
Hudson, WI 54016
Tel: 715.377.2133
Fax: 715-377-2135
Email: info@cemetube.com
Web: www.cemetube.com
B. Substitutions: Not permitted.
C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 CONCRETE PIER FORMS
A. Round Forms for Piers and Footings: Standard Ceme-Tube by Ceme-Tube with the following characteristics:
1. Material: Heavy duty seamless HDPE plastic, impervious to moisture.
2. Appearance: Uniform smooth appearance, without spiral form lines.
3. Length: 4 feet (1219 mm).
4. Diameter: 8 inch (203 mm).
5. Diameter: 10 inch (254 mm).
6. Diameter: 12 inch (305 mm).

7. Diameter: 18 inch (457 mm).
8. Diameter: 24 inch (610 mm).
9. Diameter: 30 inch (762 mm).
10. Diameter: Refer to the drawings.
11. Domed Cap: Match size of forming tube.
12. Integral Collar for Bracing and Stacking for Form Diameters up to 24 Inches: Integral collar on one end shall allow units to be braced and stacked to produce piers or footings up to 20 feet (6 meters) tall in one pour.
13. Integral Collar for Bracing and Stacking for Form Diameter of 30 Inches: Integral collar on one end shall allow units to be braced and stacked to produce piers or footings up to 12 feet (3.7 meters) tall in one pour.

2.3 LIGHT POLE FOOTING FORMS
A. Round Forms for Light Pole Footings: Light Pole Ceme-Tube by Ceme-Tube with the following characteristics:
1. Material: Reflective yellow color above grade and standard black color below grade, heavy duty seamless HDPE plastic, impervious to moisture.
2. Appearance: Uniform smooth appearance, without spiral form lines.
3. Length: 4 feet (1219 mm).
4. Diameter: 18 inch (457 mm), with a 15 inch (381 mm) diameter hole on top of the tube to facilitate pouring, finishing and light pole installation.
5. Diameter: 24 inch (610 mm), with a 17 inch (432 mm) diameter hole on top of the tube to facilitate pouring, finishing and light pole installation.
6. Diameter: 30 inch (762 mm), with a 17 inch (432 mm) diameter hole on top of the tube to facilitate pouring, finishing and light pole installation.
7. Integral Collar for Bracing and Stacking for Form Diameters up to 24 Inches: Integral collar on one end shall allow units to be braced and stacked to produce piers or footings up to 20 feet (6 meters) tall in one pour.
8. Integral Collar for Bracing and Stacking for Form Diameter of 30 Inches: Integral collar on one end shall allow units to be braced and stacked to produce piers or footings up to 12 feet (3.7 meters) tall in one pour.

2.4 BOLLARD FORMS
A. Round Forms for Bollards: Bollard Ceme-Tube by Ceme-Tube with the following characteristics:
1. Material: Reflective yellow color above grade and standard black color below grade, heavy duty seamless HDPE plastic, impervious to moisture.
2. Appearance: Uniform smooth appearance, without spiral form lines.
3. Length: 4 feet (1219 mm).
4. Diameter: 8 inches (203 mm).
5. Dome Cap: Match size of forming tube.

PART 3 EXECUTION
3.1 EXAMINATION
A. Examine areas to receive forming tubes. Notify Architect if areas are not acceptable. Do not begin erection until unacceptable conditions have been corrected.

3.2 INSTALLATION

A. Place and brace forming tubes in accordance with manufacturer's instructions.

B. Erect forming tubes at locations and to elevations as indicated on the Drawings. Erect forming tubes plumb.

C. Do not use forming tubes that are damaged or contain defects that could impair exposed concrete surfaces.

D. Place cap or waterproof sheeting over top of forms to prevent damage to interior surface by adverse weather conditions until placement of concrete.

E. Remove forms if necessary in accordance with manufacturer's recommendations after concrete has achieved design strength.

END OF SECTION