Available Q4’23

Direct-Bury Tower (10”OD)

Product Summary:

EasyStreet Systems provides a game-changing solution to 5G/small cell infrastructure demands—at a fraction of current construction methods.

Imagine a tower that can be easily installed into a 12” dia. bored-hole, secured with a 2-part foam mixture, set with a light-duty boom-truck, and blend with the surrounding aesthetic. Our product is light-weight, customizable and impacts the environment much less than traditional solutions. A 20’ EasyStreet direct-bury 10” Outer Diameter (OD) tower weighs ~340 lbs. as opposed to ~2,000 lbs for a steel tower, cutting installation costs significantly. The tower, foam-kit, and cover-plates for access-ports are all provided in an all-inclusive and easy to use kit.

Specifications

Applications:	4G/5G Small-Cell as well as Internet of Things (IoT) sites
Height Ranges:	20’-32’ typical (above grade; ~8’ embedment) but can be up to 40’
Weight (Lbs.):	20’H (~28’ total): 340; 25’H (~33’ total): 400; 30’H (~38’ total): 460
Outer Diameter:	10” Standard OD (9.25” ID)
Cable-Access:	5"H x 2.5"W handhole with secure cover 24" above grade
Conduit-Entry: (Below Grade)	5"H x 2.5"W oval port for conduit-routing (factory-installed or easily field-configured with standard tools)
Colors:	Gray, Black, Brown & Dark Green standard (custom available)
Construction:	Patented composite structure with reinforced UV-resistant coating.
Equipment:	Accommodates all Small Cell, Microwave and IoT equipment
Wind Speeds:	Up to 180 mph (depending on loading)
Structural:	Analysis per TIA-222, AASHTO and local building codes
Electrical:	Hand-hole and conduit-port available for routing power, fiber & data cables.
Hardware Mounting:	Pullout (Lbs.): #8 Screw: 600; 1/4” Rivnut: 1230; 3/8” Rivnut: 1700 Shear (Lbs.): 5/16” Screw: 1750; 3/8” Rivnut: 4300

20’ Base-Flange product shown to demonstrate how lightweight it is

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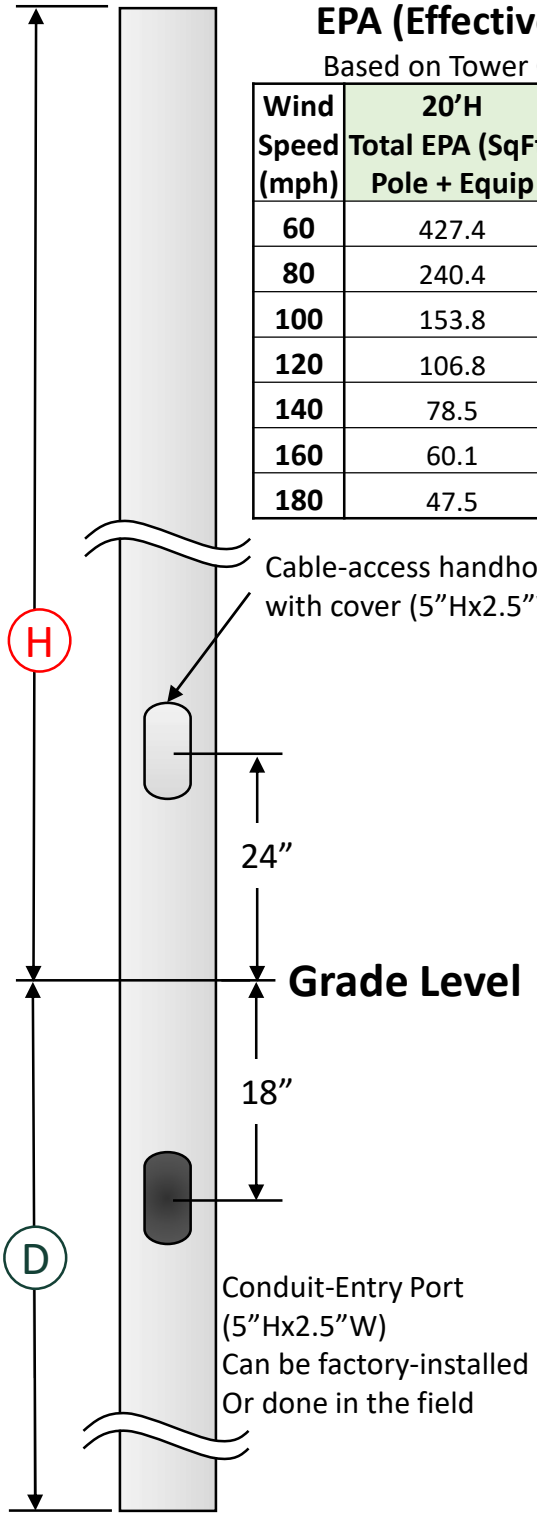
Hurricane resistant composite-based direct-bury tower

Height (H)	Depth (D)	Diameter	Standard Colors	Customer Options
20: 20’ above grade	**6**: 6’ embedded	**10**: 10.0”	**G**: Gray	Various light-mounts,
25: 25’ above grade	**7**: 7’ embedded		**B**: Black	luminaires, toppers,
30: 30’ above grade	**8**: 8’ embedded		**N**: Brown	IoT equipment, etc.
Custom Heights up to ~50 ft	**10**: 10’ embedded		**R**: Green	



EPA (Effective Projected Area) Capacities for 20’, 30’, 40’H Towers

Based on Tower Overturning-Moment (OM) Load Capacity of 40,000 Ft-Lbs (40 Kip-Ft)*

Wind Speed (mph)	20’H Total EPA (SqFt) Pole + Equip	20’H EPA (SqFt) Equip Only	30’H Total EPA (SqFt) Pole + Equip	30’H EPA (SqFt) Equip Only	40’H Total EPA (SqFt) Pole + Equip	40’H EPA (SqFt) Equip Only
60	427.4	416.2	284.9	268.2	213.7	191.3
80	240.4	229.2	160.3	143.5	120.2	97.9
100	153.8	142.7	102.6	85.8	76.9	54.6
120	106.8	95.7	71.2	54.5	53.4	31.1
140	78.5	67.3	52.3	35.6	39.2	16.9
160	60.1	48.9	40.1	23.3	30.0	7.7
180	47.5	36.3	31.7	14.9	23.7	1.4

*Value based on PE-calculations

Direct-Bury Foundation Capacity*

(Based on Soil Types and Overturning-Moment Capacity)

*Engineering study and data provided by Paul J. Ford Professional Engineering

PAUL J. FORD & COMPANY

Non-Cohesive Soils

	Soil Properties			Depths (Ft) for Listed Applied Moment		
	Unit Weight (pcf)	Friction Angle (degree)	Cohesion (psf)	15 kip*ft	20 kip*ft	25 kip*ft
Poor	90	26	0	8	8.75	9.25
Average	110	30	0	7.25	7.75	8.25
Good	130	34	0	6.5	7	7.25

Cohesive Soils

	Soil Properties			Depths (Ft) for Listed Applied Moment		
	Unit Weight (pcf)	Friction Angle (degree)	Cohesion (psf)	15 kip*ft	20 kip*ft	25 kip*ft
Poor	90	0	250	9	10	11
Average	110	0	600	6	6.75	7.25
Good	130	0	1000	5	5.5	5.75

Notes:
1. Foundation depth calculated for 12” dia. hole with foam backfill
2. Water table is assumed to be below the depth of the foundation
3. Frost depth is not considered