PART 1 - GENERAL

1.01 GENERAL

In ground pull boxes shall not be installed unless prior approval is obtained by Owner’s Representative.

1.02 SECTION INCLUDES

1. Pre-Fabricated Ground Pull Boxes (GPBs)
2. GPB Accessories

1.03 RELATED SECTIONS

1. Section 26 05 10 Basic Electrical Requirements.
2. Section 26 05 29 Supporting Devices.
3. Section 27 10 00 Structured Cabling.

1.04 PRE-BID PRODUCT APPROVAL

A. All Manufacturers, including the Basis of Design, shall submit product data for approval prior to bids. Accepted Manufacturers shall be approved in Addendum format—only those products approved prior to bid shall be allowed to be used on this project.

B. The pre-submittal shall include data on the specific products intended for use on this project. Provide data on dimensions, weight, construction, cover plates, accessories, etc.

1.05 SUBMITTALS

A. Submit shop drawings and product data under provisions of Division 01 and Section 26 05 10.

B. Indicate material specifications, dimensions, capacities, size and location of openings, reinforcing details, and accessory locations.

C. Provide product data for accessories.

D. Provide installation instructions.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

1. Quazite (Pre-Bid Submittal Required)
2. Brooks (Pre-Bid Submittal Required)
3. Others as submitted prior to Bid and approved via Addendum.

2.02 PRE-FABRICATED IN-GROUND PULL BOXES AND ACCESSORIES

A. Provide pre-fabricated, pre-cast ground pull boxes formed out of polymer concrete and reinforced by heavy weave fiberglass sized for indicated application +20%. Ground pull boxes shall be provided with composite traffic covers rated at 8,000 psi over 10" square, pulling irons, and gravel base. Units may be stackable to achieve required depth provided the boxes are designed for stacking.

B. Covers shall be labeled identifying the system enclosed and shall have a minimum coefficient of friction of 0.5.

C. Provide pull slots on covers. Provide two pulling irons to facilitate lifting of covers.

D. Provide necessary hangers to keep conduit and cable in an orderly fashion.

E. Provide pull rings on all sides of box to facilitate cable pulls.

PART 3 - EXECUTION

3.01 - INSTALLATION

A. In ground pull boxes shall not be installed unless prior approval is obtained by Owner’s Representative.

B. Excavate and install base material (gravel or crushed rock) to 6" below bottom of box. Compact base material prior to setting box. Set the top of the box's finished elevation flush with adjacent ground.

C. Size boxes accordingly.

D. Seal between punch outs and conduit after installing conduit.

E. Route internal cabling, conduit, and pull wires in a neat and orderly fashion.

F. Clearly and permanently mark each conduits' point of origin.

G. Backfill around all boxes and compact accordingly. Make any adjustments to the top of the box's height prior to backfilling.

H. After in ground pull box and conduits are installed, provide a one piece, poured in place, 2,500 PSI concrete apron around perimeter of box. Apron shall be minimum 6" deep and extend 12" out on all sides. Top of box and concrete shall be at same elevation.

I. Splices shall not be permitted.

**END OF SECTION**