GOVERNMENT OF BERMUDA

Ministry of Public Works
Department of Works and Engineering

SCOPE OF WORKS

Installation of 100A 1ph 120/240v Services for Pedestrian Crossing, North Shore Road, Flatts (Aquarium)

Work to be carried out by the Contractor

1. Carry out replastering of the outside of the Bermuda Stone structure that houses the BELCO vault and Bus Shelter;
2. Same trench west (BELCO):

A. Install 1x 4" pvc duct from the BELCO vault to be capped off near the East bound lane sidewalk curb;
B. Install 2 x 6" pvc duct from the BELCO vault, to be capped off near the East bound lane sidewalk curb.

3. Trench east:

Install 1 x 4" pvc duct to be connected to the existing 4" spare BELCO pvc duct in the East bound lane near eastbound bus shelter and connected to the traffic light control chamber there.

4. Same lane & conduit trench west:

install 1 x4” pvc duct from this conduit in the eastbound lane to the bus shelter (Aquarium water side driveway, BELCO vault). At bus shelter this 4” pvc will be lined up with slate roof, adjusted to a 1 x2” pvc duct and go over roof to water side to the load side of the new BELCO meter to be installed, NW wall of bus shelter.

5. NW wall of bus shelter:

Install wooden wall plugs that will support the mounting of the new BELCO meter

Work to be carried out by BELCO

BELCO will be responsible for:
1. Supply lengths of 2 x 4" pvc duct, bends and cap.
2. Supply lengths of 2 x 6" pvc duct and caps.
3. Supply lengths of 2" pvc duct and bends to be connected to the 4" pvc duct that will be turned into the Pedestrian Control Chamber. This duct will be used by the MPW Electrical section and installed along the Bus Shelter to the load side of the new meter switch.
4. Turn over a section of the spare 4" pvc duct that was previously installed in the East bound lane in front of the Aquarium between the Eastern and Western Bus Shelters to the Ministry of

Public Works - Highways, to be used to house internal wiring for the new Pedestrian Crossing at this location.
5. Supply and install a lO0A lph 120/240v meter switch, to be installed on the water side of the Bermuda Stone structure that houses the existing BELCO vault and West bound Bus Shelter.
6. Test and commission all newly installed equipment

BELCO Conditions

1. High voltage (HV) cable trenches need to be dug to the required depth and the bottom then filled with 6 inches of sand or other soft backfill material free from stones or other sharp edged objects, which could damage our cable. High voltage cables must be laid at a minimum depth of 3 feet. BELCO will provide yellow plastic warning tape to be laid directly above the ducts and about 6 inches below grade.
2. Low voltage (LV) cable trenches need to be dug to the required depth and the bottom then filled with 6 inches of sand or other soft backfill material free from stones or other sharp edged objects, which could damage our cable. Low voltage cables must be laid at a minimum depth of 2 feet. BELCO will provide yellow plastic warning tape to be laid directly above the ducts and about 6 inches below grade.
3. There may be existing underground utility cables or pipes in the areas of the proposed trenching. Therefore, prior to any excavation or drilling, we request that you contact our Records & Technical Services department to have any electrical cables identified, located and re-marked, as necessary. You should also contact our Project Manager prior to starting excavation to ensure that trenches are dug correctly with regard to position, depth and routing.
4. We require in place any applicable wayleaves and/or easements relating to the pad mounted transformer, cable and equipment and/ or BELCO staff access, for the infrastructure.

Proposed Trenching Site Plan For The New 100A 1ph 120/240v Service
For The New Pedestrian Crossing at Flatts Aquarium