

INVITATION FOR BIDS

LABOR ONLY

INSTALLATION OF CITY SUPPLIED BACKUP GENERATOR
AND
RELATED ELECTRICAL EQUIPMENT

ADDENDUM # 2 July 24, 2014

Project Description: Clark Cove Dike Pump Station Generator Installation Electrical Improvements

Project Location: Clark Cove Dike Pump Station, 1314 Cove Road, New Bedford MA

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Addendum # 2:

Item 1. It has come to the attention of the City of New Bedford that the one line electrical diagram sketch is unclear in depicting the one line wiring scheme for the automatic transfer switch intended for station service. The station service three source auto transfer switch is proposed to be mounted on the west wall of the pump gallery. The conduit runs to and from the ATS will include the first conduit for the load connection to the 480 Volt Motor Control Center where the station service breakers are located. The second conduit for the grid supplied source connection will be routed directly to the 45 KVA transformer and connected via the existing junction box at the transformer or through an additional junction box adjacent to the transformer. The third and fourth conduits will be routed to the east wall of the pump gallery either along the south wall with other conduits or high up along the north wall to avoid congestion. The third conduit will carry the conductors from Generator # 1 source at Spectra Panel #1 and the fourth conduit will be left in place to be connected to the future Spectra Panel #2. This clarification is intended to highlight the need for four conduit runs and the conduit destinations.

Item 2. It has come to the attention of the City of New Bedford that there is no detail provided with respect to the structural support system for the numerous conduits to be mounted along the south wall of the pump gallery and for the structural hanger supports for the individual motor service connections. The proposed support system will be based on what is available from the Unistrut Support System. The 1-5/8" channel will be purchased by the City as the primary surface mounted support to be attached to the wall using concrete insert anchors at the four pilasters along the south wall with

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additional surface mounted channels attached at intermediate locations at the actual south wall surface. At these four locations a horizontal channel will be connected via appropriate bracket to be cantilevered from the south wall over the pump gallery floor to a point adjacent to the individual motor disconnect junction boxes. These horizontal channels will be further supported using a top angle brace and the horizontal channel itself will be used as a hanger for the conduits using appropriate hanger brackets for the conduits. This clarification is intended to provide sufficient information to enable prospective bidders to estimate the time and effort involved in mounting the conduit support system and to show that the expectation is that the galvanized rigid steel conduits along the south wall are expected to stand off from the actual south wall and be hung vertically in a parallel array at the surface of the pilasters and will be secured directly to the wall mounted Unitstrut supports. There is an assumption that at changes in direction, the rigid conduits will be bent to the desired radius dimensions on site or an appropriate long radius sweep piece will be purchased by the City.