COLCHESTER TOWN GREEN ELECTRICAL SERVICE UPGRADES
ADDENDUM NO. 1
July 7, 2023

CLARIFICATIONS:

1- It is not shown on the plans but will it be acceptable to install a hand hole in existing panel locations so that the wires can be spliced and brought over to the new panel location.
RESPONSE: Yes.

2- Circuit "2" shows 500 MCM wires in one conduit going to the 2, 200 amp main breakers, the breakers will not have big enough lugs to accept that size wire and there really is no need, Using the Tap rule in the NEC we can size these wires to the main breaker at 200 amp and run a set from each panel back to the meter. You also could decrease the size of the grounding system because it is based off of the size of the service entrance conductors, these changes could be a decent overall cost savings for the town.
RESPONSE: With utility and inspector approval, SE conductors, if tapped length is under 10 circuit feet, can be 3/0 (cu-200A). Grounding could then be reduced to a #4 cu.

3- Did the engineering company have a specific enclosure that they designed off of, I am having trouble finding a pad mounted enclosure that is not taller than 48" and is long enough to mount the panels in with good working clearances and have room for the receptacles, and time clock to be mounted. Can we use a larger box? A more standard size is 60"X60" they generally come with feet on the bottom that are 12" so the overall height would be 72" in theory we could cut them off prior to painting the enclosure, generally when they get that wide they have feet for mounting. Having the 12" feet I think is a good idea so that the snow, moisture, grass and everything isn't building up on the bottom and rotting out the enclosure.
RESPONSE: The Town's Historic District Commission (HDC) stipulated the enclosure size shall not exceed 48" tall and 60" long. If the equipment necessary to complete this project can't fit into this stipulated maximum enclosure size, please identify the smallest enclosure necessary to complete this work. Furthermore, we recognize the importance of preventing the enclosure from rotting but feel that 12" feet will elevate the enclosure above the HDC's allowable height. The Town would be in support of the contractor installing a corrosion resistant uni-strut or similar system to elevate the enclosure off the pad 1" +/- and reduce moisture transfer.

4- Panel 1 says that it needs subfeed lugs, are these required? Both panels would be fed off of the meter directly and removing the subfeed lugs would help save space in the enclosure.
RESPONSE: With utility and inspector approval of tapping both panels directly off meter, subfeed lugs can be eliminated.

5- The plans show a time clock, and photo cell to control the lighting contactor, how would you like these wired in where the photo cell overrides the timer or the timer overrides the photocell, In the current setup the timer is not used the photo cell controls everything and there is a hand-off-auto switch to override it for the charismas tree lightings.
RESPONSE: At this time, proceed with wiring the timer to override the photocell. The contractor shall revisit this item with Town staff prior to start of work, to confirm this configuration and/or review alternatives.

6- Who is responsible for the Eversource fees, if the contractor is can they be added to the final bill with no markup since Eversource will not quote this, or will the town pay them directly.
RESPONSE: Eversource's fees shall be added to the contractor's base bid via change order and be invoiced to the Town of Colchester at no mark up.

7- Is there a bid bond, and or performance bond required?
RESPONSE: No bid bond or performance bonds are required for this project.

8- Is this project subject to prevailing wage requirements?
RESPONSE: If the bidder's schedule of values for this project exceeds $100,000 then prevailing wage requirements shall be included in the bid.

9. Is there any spec or name brand requirement on the gear?
RESPONSE: Square-D, Siemens, GE or Eaton.

10. Can the existing enclosure be unlocked so that the bidders can get a look at what is there currently?
RESPONSE: Yes, any bidder who is interested in gaining access to the existing enclosure shall contact Demian Sorrentino at (860) 537-7282 or dsorrentino@colchesterct.gov to schedule a time.

11. Something seems off with the conductor count on the circuit legend. How can I confirm the main feeder coming in from the pole. They are listed as 4 – 500MCM.
    a. Copper or aluminum?
    RESPONSE: Unknown.

    b. Why are there 4? The new gear is listed as "2P", which I'm assuming means 2 pole. Should only have 2 hots and a neutral from the pole…the ground is generated at the service. Please confirm this conductor count is accurate.
    RESPONSE: Circuit Legend (1) should read: (3) #500 KCMIL: 3-1/2"C (Contractor to Verify)