

**NOTICE TO PROSPECTIVE BIDDERS****LOWELL HOUSING AUTHORITY  
HIGHLAND PARKWAY ELECTRICAL DISTRIBUTION  
580 CHELMSFORD STREET  
LOWELL, MA 01851**

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*The attention of bidders submitting bids for the above subject project is called to the following addendum to the specifications and drawings. The items set forth herein, whether of omission, addition, substitution, or clarifications are all to be included in and form a part of the bid submitted.*

**SECTION 1: QUESTIONS AND CLARIFICATIONS**

- 1.01 Question 1: Drawing E200 duct bank section detail notes 1, says (4) 4” conduit but the section AA detail show 2 conduits. Please clarify. Is section AA on drawing E200 2- 4” and section BB of the same drawing (2) 2” conduits?

**Response: (2) 4” conduit for A-A and (2) 2” for B-B.**

- 1.02 Question 2: Addendum # 1 response to question 17 states that the electrical contractor is responsible for F&I primary conduit sizes per electrical drawings. Drawing E002 says primary conduit shall be 2- 5” / pull strings. However, drawing E001 detail seven says that the primary pole riser conduit is 4” RGS. Will this transition require a hand hole, or can the primary duct bank conduit be 4” PVC?

**Response: Primary conduit to be 4” PVC throughout and transition to 4” RGS at pole riser via a coupling.**

- 1.03 Question 3: Addendum #1 response to question 11 provided a detail. Note 2 of the detail says, “the entire pedestal including meter socket and service conductors, furnished, owned and maintained by customer”. Please clarify who is responsible for furnishing and installing the meter socket. If it is the EC, please provide a specification.

**Response: Electrical Contractor is responsible for entire pedestal. Provide 320-meter socket throughout.**

- 1.04 Question 4: Addendum #1 response to question 11 provided a detail. Note 3 of the detail says, “service disconnect with overcurrent protection may be required”. Please clarify if a service disconnect with overcurrent protection will be required at the meter location

**Response: Service disconnect is not required at the meter location.**

- 1.05 Question 5: Temporary Facilities and Controls, SECTION 01 50 00, 1.07 FIELD OFFICES, B: Please confirm / advise if a field office for the owner is required.

**Response: No, a field office for the owner is not required.**

- 1.06 Question 6: Drawing ED100: indicates the approx. locations of the existing meter stack and

**All bidders are required to acknowledge addenda in the appropriate section of the bid documents.  
Failure to do so may result in rejection of the bid.**

house panel, however in order to reconnect to the existing distribution equipment the secondary conduit entering the building extends beyond the code requirement and therefore overcurrent and short circuit protection is needed before entering the building. The 400amp disconnect should be mounted on the exterior of the building rated @ NEMA3R and fused.

**Response: Disconnects will be installed within the buildings.**

- 1.07 Question 7: Please confirm all utility fees / backchargers are by the owner and not included with this proposal.

**Response: Utility fees/back chargers are by owner.**

- 1.08 Question 8: Please confirm if permit fees are waived.

**Response: Contractor to own all fees. Fees are not waived**

- 1.09 Question 9: Drawing E100 note #2: states primary conduit is provided by utility installed by EC and final connections at transformer by utility. Please confirm this is correct. It is my understanding the utility will not supply the conduit, nor terminate the secondary of the transformer.

**Response: Primary conduit furnished and installed by EC.**

- 1.10 Question 10: Drawing E100 note #3: states National Grid shall make all connections to service the transformer. It is my understanding they will not terminate the secondary. National Grid will only terminate the primary side of the transformer. Please confirm.

**Response: Utility company makes all connections to transformers.**

- 1.11 Question 11: Drawing E001 Demolition note #7: States the EC shall disposal of all ground mounted transformers. Please clarify if these are oil filled, If so, please provide the amount of oil to be disposed of, also please advise if there are any asbestos containing materials inside.

**Response: We cannot confirm oil fill, amount or asbestos. Contractor is still required to remove.**

- 1.12 Question 12: Drawing E002: Legend of feeder sizes: note #1 states all feeders greater than 150 feet shall be increased to the next available feeder to accommodate for voltage drop. Please advise if this note applies. If so, it is the engineers responsible to indicate where and provide direction because about half of the building feeders will be affected by this, thus changing the conduit quantity and duct bank size.

**Response: This is for branch circuit wiring, not feeders.**

- 1.13 Question 13: Drawing E002: Please clarify / advise if the existing meter stacks have a tap box or tap section available to connect the new service conductors. Will these meter stacks be able to accommodate (3) #600MCM.

**Response: Tap box exist with existing meter stacks**

- 1.14 Question 14: Please provide the location of the water meter at each building in order to determine the grounding.

**Response: Grounding exists in each building. Existing grounding to be reused.**

- 1.15 Question 15: Please clarify if an intersystem bonding is required.

**Response: No, it is not required.**

- 1.16 Question 16: Drawing E200: Sheet Note #1 states existing underground conduit system to be reused. Please clarify where this occurs. From what is shown, this entire drawing appears to be new conduit and fiber.

**Response: All conduit is new. Provide new underground conduit as indicated on drawing E200 to support Tele/Data and Security.**

- 1.17 Question 17: Drawing E200: Please clarify the fiber type (SM or MM) and number of strands required.

**Response: Single Mode and 2 strands per run**

- 1.18 Question 18: Drawing E200: Please clarify if the CAT6 CCTV cabling within the basement is required to be in conduit for the entire length.

**Response: Conduit is not required**

- 1.19 Question 19: Drawing E200: some buildings don't have cameras being installed, however there is an associated duct bank indicated to those buildings. Please clarify.

**Response: Provide duct banks as indicated on construction drawings**

- 1.20 Question 20: Drawing E200 – ductbank section detail: Section “A-A” shows (2) 4” PVC conduits. However, the note below states (4) 4” PVC conduits. Please clarify.

**Response: Response: (2) 4” conduit for A-A and (2) 2” for B-B.**

- 1.21 Question 21: Drawing E200 – ductbank section detail and security riser are not consistent with regards to quantity of conduits.

**Response: Quantity of conduits shall be as indicated in the ductbank detail.**

- 1.22 Question 22: Drawing 1/E011 – ductbank section detail: Please confirm/clarify all concrete encasement ductbanks require the re-bar as shown in the topmost section detail.

**Response: Rebar required as indicated.**

- 1.23 Question 23: Drawing E200, security riser diagram: Riser note #2 states cabling is CAT6E, riser diagram indicates CAT6, specifications state CAT6A. Please clarify the cable requirements.

**Response: Cable shall be CAT6**