

Utility Site Plan Description

A Utility Site Plan (USP) is a lateral diagram of the project site that shows the location of infrastructure needed to comply with the BSU Policy and the utility connections. A Utility Site Plan should include the following elements:

- a. The location where applicable utilities (water, sewer, drainage, gas, electric, telecom) are planned to be extended from the right-of-way (ROW) into the property/building.
- b. The proposed location and stormwater retention volume of Green Infrastructure and stormwater management assets within the parcels and/or the ROW, including street trees, permeable pavers, etc.
- c. The location of the electrical conduit(s) that will power the street lights along with the project and where this conduit will receive or already receives power from (i.e., direct connection to the utility in the ROW, connected to street light electrical conduit in an adjacent parcel/building).
- d. "Shadow" conduits running next to the main electrical conduit, showing:
 - i. The location of the electrical conduit(s) that will power the street lights along with the project and where this conduit will receive or already receives power from (i.e., direct connection to the utility in the ROW, connected to the street light electrical conduit in an adjacent parcel/building).
 - ii. Two conduits, one for extra electrical and one for extra fiber, running parallel to the street light conduit. Note: PIC is currently recommending one dual handhole for these conduits.
 - iii. Where this extra electrical conduit and extra fiber conduit would receive power/fiber from the electrical utility and telecom utility on the ROW, respectively. Note: a) the actual tie into the utility is not required, but we need to know where the utilities would allow for service to come into the sidewalk shadow conduit; b) the tie-into electric service should not be the power pull box used for the street light, but a separate direct connection to the utility.
 - iv. Where the handholes for these two conduits would be located. Handholes should be located at least at the nodes of the conduit, where the conduit will connect to the utility service or to an existing conduit in an adjacent parcel, and at the base of any pertinent street lights.
- e. Electrical Transformers: the proposed location of any electrical transformers on site.

- f. Gas meters: the proposed location of any gas meters on site, and whether they will be inside or outside the building(s).
- g. Any infrastructure needed to comply with the City of Boston [EV Readiness Policy for New Developments](#). This may include EV chargers, additional electrical services, transformers, empty conduit, etc.