



South End City Market EVSE Civil RFP

RFP #007-27

8/12/26

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I. Request for Proposal

The City of Burlington Electric Department invites proposals for the installation of underground conduit, pad mounted transformer vault, and concrete pads for Level 3 EVSE stations at the South End City Market parking lot.

II. Project Location

207 Flynn Ave
Burlington, VT 05401

III. Detailed Requirements

A. General

Bids for this project will be accepted for the following construction techniques:

1. Traditional excavation and conduit placement.
2. Directional boring / conduit moling.
3. Contractors may propose alternate construction techniques or perform the work by combining the techniques shown above.

This is a firm-fixed price (FFP) contract. This means the contract provides for a price that is not subject to any adjustment on the basis of the contractor's cost experience in performing the contract. Contract price is the price bid, with no incentives or fees added. The total payment to the Contractor for this project will be calculated based on all satisfactorily completed work. The Unit Pricing Work Sheets you submitted will also be used when making changes to the Project as detailed on page 5 of this document. The addition, deletion or any modification to the proposed Project Unit Pricing Work Sheets must be approved in writing by BED prior to any work or services being performed.

As this RFP will be awarded on a firm-fixed price (FFP) contract basis, this implies that excavation fees are strictly between the City of Burlington Department of Public Works (DPW) and the Contractor. Thus, contractor is responsible for paying the actual DPW administrative and excavation fees. Each Contractor is responsible for taking out the permits. Contractor is responsible for paying the permit fees.

Any addition or subtraction amounts to the project from this point forward will have to be done in the form of change orders that would need to be agreed upon by both parties in writing before the affected work begins. Any changes that deviate out in the field from the technical specifications, drawings or purchase order require prior approval by Burlington Electric Department in the form of a Change Order to the original purchase order agreement. If the Change Order is not secured by the Contractor before the work begins, then Burlington Electric Department is not responsible for any of the material or work performed by said contractor. If said unauthorized work would have resulted in a credit for Burlington Electric Department, then the Unit Pricing Work Sheets provided in the RFP will be used to determine the credits used for deduct. If the work that was done would have resulted in an extra cost to Burlington Electric Department, the contractor will not be receiving any payment for goods or services due to this non compliance of unauthorized work.

For technical questions concerning this bid package contact Stephen Scott
sscott@burlingtonelectric.com in the Engineering Department.

The Contractor is responsible for the installation of the conduit system, concrete pads, bollards, and transformer vault shown on BED's Project drawing # D15660100. This includes but is not limited to the following:

- 1) Excavate and backfill trench under the street, sidewalk and grass. Work includes excavation and disposal and restoration of concrete sidewalk and green space. It also includes installing plastic warning tape above the conduits during backfilling.
- 2) Contractor will be responsible for paving and line striping for new parking stalls.
- 3) Procure, excavate, place and backfill BED pad mounted transformer vault per attached BED specification #16 22. BED shall install ground grids during installation.
- 4) Excavate, form, and pour meter pedestal concrete foundations per attached BED specification #1629. BED shall provide metal flange base to be cast into concrete. BED shall install ground grids during installation.
- 5) Excavate, form, and pour EV charger foundations per attached DuBois and King Drawing #830611. BED shall provide anchor bolt and conduit template to be cast into concrete.
- 6) Protective bollards shall be installed to protect pad mounted transformer and EV charging unit per attached BED specification #1628.
- 7) Take all necessary means to protect excavation and work from erosion.
- 8) Perform at your own expense all required testing. Contractor shall employ an approved independent testing firm to take the required tests specified
- 9) Restore permanent surfaces to BED, City of Burlington Department of Public Works (DPW), property owner specifications, the specification on project drawings and all other attached documents.
- 10) All work as specified on the Project General Specifications document and drawings.

The Contractor shall provide unit pricing in the Work Item Bid Sheet. The unit pricing shall include all costs to install the conduit system, concrete pads, bollards, and new vaults, this includes but is not limited to equipment cost; cost to excavate and backfill the trench; [excavate, place and backfill hand holes; disposal of concrete sidewalk; disposal of asphalt; cost of conduits, conduit sweeps, spacers, pull rope, anchors; install the conduit system, core drilling of utility holes, concrete encasement of conduits per BED's specs, installing plastic warning tape above the conduits during backfilling, cost to restore temporary and permanent surfaces, digging access pits, drilling / moling, etc.

When there is a need to re-route section(s) of the proposed ductbank or conduit system, add or delete section of conduits or CDR boxes, the Contractor will provide BED with the excavation/administrative fee for this work. This excavation/administrative fee and the Total Cost (\$/ft) or (\$/CDR) Unit Pricing provided in the Work Item Bid Sheet will be used for re-routing the proposed ductbank, adding or deleting section of conduits or Utility Hole from the Project per all requirements on the Project General Specifications document, BED's project drawing # D15660100, DuBois & King Drawing #830611, and all attached documents. The addition, deletion or any modification to the proposed project must be approved in writing by BED's Director of Engineering.

Any addition or subtraction amounts to the project from this point forward will have to be done in the form of change orders that would need to be agreed upon by both parties in writing before the affected work begins. Any changes that deviate out in the field from the technical specifications, drawings or purchase order require prior approval by Burlington Electric Department in the form of a Change Order to the original purchase order agreement. If the Change Order is not secured by the Contractor before the work begins, then Burlington Electric Department is not responsible for any of the material or work performed by said contractor. If said unauthorized work would have resulted in a credit for Burlington Electric Department, then the Unit Pricing Work Sheets provided in the RFP will be used to determine the credits used for deduct. If the work that was done would have resulted in an extra cost to Burlington Electric Department, the contractor will not be receiving any payment for goods or services due to this non compliance of unauthorized work.

B. Site Walkthrough

A site visit is mandatory prior to the award of the project contract. The date of the site visit is per the schedule in Section IV. Location of the walk through is 207 Flynn Ave Burlington, VT August 18, 2026; 11 AM EST please confirm with Stephen Scott sscott@burlingtonelectric.com if you will be attending.

C. Safety

Prior to the start of contracted work, the assigned BED employee(s) will review, with the Contractor, the written safety information located on the BED Purchase Order. The information is:

THE CONTRACTOR SHALL COMPLETE A DAILY WRITTEN PRE-JOB SAFETY BRIEFING PRIOR TO COMMENCING ANY WORK FOR BED. THAT WRITTEN BRIEFING SHALL BE MADE AVAILABLE UPON REQUEST. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE STANDARDS (SPECIFICALLY INCLUDING OSHA, VOSHA AND ANY OTHER STATE AND LOCAL OSHA PROGRAM), LAWS, ORDINANCES, RULES, REGULATIONS AND ORDERS OF ANY PUBLIC BODY HAVING JURISDICTION FOR THE SAFETY OF PERSON OR PROPERTY TO PROTECT THEM FROM DAMAGE, INJURY, OR LOSS. CONTRACTORS SHALL ERECT AND MAINTAIN ALL NECESSARY SAFEGUARDS FOR SUCH SAFETY AND PROTECTION.

BED will transfer information (site specific) such as status of power lines and clearance orders, grounding requirements, environmental requirements, potential hazards, and BED expectations. All this shall be documented through a BED safety tailboard prior to work beginning. BED will also update Contractor immediately, via a new BED safety tailboard, if any such information changes. In addition to receiving this briefing, the Contractor is still required to complete their own task specific written job briefing. This is to be done daily and will be verified by the assigned BED employee(s) upon BED's daily communication with the Contractor.

D. Proposal Format

Part I -- Summary

This section should contain a summary of the company and contact information including name, mailing address, email address, and phone number.

Part II -- Technical Proposal

This section should describe the proposer's approach and plans for accomplishing the specified scope of work. This section should contain but is not limited to the following:

- Materials – description of all materials used for construction (PVC, HDPE, etc.)
- Strategic approach to installation of conduit and underground structures.
- Any expected conflicts with existing utilities, private property, vegetation, etc.
- A summary description of the project plan; milestone tasks with expected timeline. This should include materials staging, equipment rental, outside subcontractors, expected outages to BED equipment or services, etc.

Part III -- Cost Proposal

The following fixed cost unit pricing chart shall be filled out by the contractor:

DESCRIPTION	Estimated Distance (ft)	Estimated Quantities	Trench Backfill Cost (\$) (A)	Restoration Cost (\$) (B)	Conduits & Installation Cost (\$) (C)	Concrete Encasement Cost (\$) (D)	Total Cost (\$/ft) (A+B+C+D)/ft	Utility hole installation Cost (\$) (E)	Total BED Cost = A+B+C+ D+E (\$)
P4064 to PM#684: (2)	40								

RFP# 007-27 South End City Market EVSE Civil

4" PVC SCH 80 conduit									
PM#684 to Meter Pedestal #1: (1) 4" PVC SCH80 conduit	45								
PM#684 to Meter Pedestal #2: (1) 4" SCH80 PVC conduit.	25								
Meter Pedestal #1 to EVSE#1: (1) 2" and (1) ¾" PVC SCH80 conduit	5								
Meter Pedestal #1 to EVSE#2: (1) 2" and (1) ¾" PVC SCH80 conduit	5								
Meter Pedestal #2 to EVSE#3: (1) 2" and (1) ¾" PVC SCH80 conduit	5								
Meter Pedestal #2 to EVSE#4: (1) 2" and (1) ¾" PVC SCH80 conduit	5								
EVSE#1 to EVSE#2: (1) 3" and (1) ¾" PVC SCH80 conduit	10								
EVSE#3 to EVSE#4: (1) 3" and (1) ¾" PVC SCH80 conduit	10								
Install 4" sweeps	6								
Install 3" sweeps	4								
Install 2" sweeps	8								

RFP# 007-27 South End City Market EVSE Civil

Install 3/4" sweeps	12								
Install Pad Mounted Transformer Vault		1							
Install 30"x22" meter pedestal pad		2							
Install 45"x45" EVSE pad		4							
Install bollard		17							
Paving and line striping for new parking stalls		1							
Fees* (excavation)									
Total Project Cost									

* Contractor is responsible for paying the actual DPW fees.

** All Cost includes removal and planting of trees.

P = Pole, HH = Handhole, PM=Pad Mount

Bid ItemGrand Total Project Cost

Total BED's Cost:

\$ _____

Comments/Exceptions: _____

Part IV -- Professional Experience & References – Unit Information

This section should contain all pertinent information relating to the proposer's organization, including licensure and experience demonstrating that the proposer is well-qualified to complete the project. This information must also include any sub-contractors that would be involved in the project.

Part V -- Additional Information

This section should contain any additional information that the proposer feels is pertinent information that has not been mentioned anywhere else in the RFP.

IV. Proposed Schedule

Milestone	Date
Release of Formal RFP	8/12/2026
Site Walkthrough	8/18/2026 11:00 AM
Last Date to Submit Written Proposal	8/24/2026 5 PM
Evaluation of Proposals	8/24/2026 – 8/26/2026
Selection of contractor	8/26/2026
Date project may begin	8/31/2026
Date project must be completed	11/2/2026

V.

Evaluation of Proposals

Proposal evaluation criteria will include but are not limited to:

- Quality of the proposal
- The cost of the proposal along with any additional cost BED would incur.
- Risks associated with the proposal
- Qualifications and experience of company/personnel
- The ability to meet the requirements of the RFP
- Prior performance of the proposer on projects of similar scope and size
- Compliance with the terms, conditions, and other provisions of the RFP
- Proof of insurance.
- Livable Wage Certificate
- Outsourcing Ordinance
- Union Deterrence

A. Amendment or Cancellation of RFP

The Department reserves the right to amend or cancel this RFP at any time if the best interest of the Department requires such action. The Department also reserves the right to award all or partial parts of the RFP to any or several suppliers or whatever is in the best interest of the Department.

B. Proposal Modifications

No additions or changes to any vendor's proposal will be allowed after the proposal's due date unless such modification is specifically requested by the Department.

C. RFP Events and Timing

See section IV. Proposed Schedule

The timing and sequence of events for this project will be determined by the Department. The schedule is planned as above; vendor contacts will be notified of any amendment to this schedule during the RFP Process.

D. Proposal Expenses

The Department assumes no liability for payment of any expenses incurred by any vendor in responding to this RFP.

E. Acceptance or Rejection of Proposals

The Department reserves the right to accept or reject any or all proposals submitted for consideration in whole or in part; and to waive technical defects, irregularities, or omissions, if in its sole judgement the best interests of the Department will be served. The Department further reserves the right to accept a proposal for a contract other than that with the lowest cost, and to negotiate separately with any source whatsoever in any manner necessary to serve the best interests of the Department. The Department also reserves the right to award all or partial parts of the RFP to any or several suppliers that are in the best interest of the Department.

F. Ownership of Proposals

All proposals submitted in response to this RFP shall become the sole property of the Department.

G. Oral Agreements and Arrangements

Any oral agreement or arrangement made by a vendor with the Department or any Department employee will be disregarded in any Department proposal evaluation or associated award.

H. Provider Presentation of Supporting Evidence/Surety

Vendors must be prepared to provide any evidence of experience, performance ability, and/or financial surety that the Department deems necessary to fully establish the performance capabilities represented in their proposals.

I. Vendor Demonstration of Proposed Services

Not applicable.

J. Vendor Misrepresentation or Default

The Department reserves the right to reject the proposal of any vendor and void any award resulting from this RFP to a vendor who materially misrepresents any product or defaults on any Department contract.

K. Erroneous Awards

The Department reserves the right to correct inaccurate awards resulting from its clerical errors.

L. Public Records

Due regard will be given for the protection of proprietary information contained in all proposals received; however, vendors should be aware that all materials associated with the procurement are subject to the terms of the Vermont Access to Public Records Act (1 V.S.A. Chapter 5, Subchapter 3) and all rules, regulations and interpretations resulting from, and any other applicable rules, regulations or judicial decisions regarding access to the records of government.

It will not be sufficient for vendors to state generally that the proposal is proprietary in nature and not therefore subject to release to third parties. Those particular pages or sections which a vendor believes to be proprietary and of a trade secret nature must be specifically identified as such and must be separated from other sections or pages of their proposal. Convincing explanation and rationale sufficient to justify each exemption from release consistent with Section 316 of Title 1 of the Vermont Statutes Annotated must accompany the proposal. The rationale and explanation must be stated in terms of the prospective harm to the competitive position of the vendor that would result if the material were to be released and the reasons why the materials are legally exempt from release pursuant to the above cited statute. Between a vendor and the Department, the final administrative authority to release or exempt any or all material so identified, rests with the Department. **All materials for which a respondent would like to claim confidential treatment should be uploaded, along with the rational for confidentiality, to the web site <https://www.burlingtonelectric.com/rfp> in a separate file and with "CONFIDENTIAL" as part of the file name.**

M. Offer of Gratuities

The vendor warrants, represents and certifies that no elected or appointed official or employee of the Department has or will benefit financially or materially from this procurement. Any Contract and/or award arising from this RFP may be terminated by the Department if it is determined that gratuities of any kind were either offered to, or received by any of the aforementioned officials or employees from the vendor, the vendor's agent of the vendor's employees.

N. Inspection of Work Performed

BED will inspect work as it is performed and upon completion of the project. BED reserves the sole right to judge if work is completed satisfies the requirements as specified in this RFP and project contract.

O. Collusion

By responding, the vendors implicitly state that the proposal is not made in conjunction with any competing vendor submitting a separate response to this RFP and that it is in all respects fair and without collusion or fraud.

P. Employee Contact

Any contact with any employee that is not authorized by the Purchasing Department could be considered a violation of the RFP process and could make your submission null and void.

Q. Questions

All technical questions should be directed to Stephen Scott (sscott@burlingtonelectric.com) and purchasing questions directed to Burlington Electric Department Purchasing Department (purchasing@burlingtonelectric.com) all questions must include the RFP Number in the Subject Line.

VI. Contract Provisions

The obligations of the Department may only be established by a final contract, executed by both parties, that has received all required local and state approvals. Any contract to be entered into between the Department and the successful proposer shall contain negotiated provisions based on the specific requirements set forth in this RFP and the successful proposer's treatment thereof as contained in this proposal, as well as general Department contract provisions.

1. Termination

The contract to be entered into between Burlington Electric Department and the successful proposer shall contain the following provisions dealing with termination. If the Contractor fails to fulfill any of the terms of the agreement on time, the Department shall have the right to terminate the said agreement immediately and award a new contract to another Proposer and the Contractor shall be responsible for damages and for additional costs incurred in reletting the contract.

2. Disclaimer

The Burlington Electric Department is not liable for any costs incurred by proposers in the preparation of proposals or for any work performed prior to the approval of an executed contract.

3. Delivery of Proposals

There will be no formal RFP opening. All RFPs are to be uploaded to our secure web site <https://www.burlingtonelectric.com/rfp> using your unique login (registration is required).

When registering, please select "Consultant" for the category. We will not accept any mailed or emailed responses. In order to be accepted they must be uploaded to the website by the specified date and time. Sending the response to anyone other than this method will make your submission void and will not be accepted.

4. RFP Opening

There will be no formal RFP opening. Information in the RFPs will not be released until the contract is awarded. If you would like to receive the RFP overview results after the award you may do so only in writing (email) to our Purchasing Department. If you would like to review the RFPs that were submitted, you must submit a letter to our Purchasing Department requesting a meeting to review the files in person.

5. Notification of Selection

Award of this bid will be by "Letter of Award" issued by communication from the Department along with a draft contract for the provision of services.

6. Contract Negotiation

Upon award, the Department and the successful proposer will negotiate a contract. The final terms of the contract shall be subject to negotiation between the parties. The selected proposal in whole or in part as well as content from this RFP may be incorporated into and made a part of the final contract. BED reserves the right to terminate such negotiations at any time, and select another proposal, issue a new RFP, or take other action consistent with the best interest of the Department at its sole discretion.

By issuing this RFP the Department is not obligated to award a contract.

7. Right to Submit a Proposal on BED Contracts

Any supplier that is in good standings with all city departments within the City of Burlington may submit a proposal for provision of energy supply as described above. If a potential supplier is found to owe funds or has been removed from any RFP lists within any city department, their RFP will not be considered. Supplier must comply with all provisions as outlined in this RFP in order to be considered.

The contractor shall comply with all applicable federal, state, and local laws, including but not limited to the Burlington Livable Wage Ordinance, the Non-Outsourcing Ordinance, and the Union-Deterrence Ordinance and shall provide the required certifications attesting to compliance with these ordinances (see attached ordinances and certifications).

8. BED Rights:

RFP# 007-27 South End City Market EVSE Civil

BED reserves the right to accept or reject any or all proposals received in response to this RFP or to take other action consistent with the best interest of BED. BED reserves the right to negotiate separately with any source to serve the best interest of BED. ALL SUBMITTED BIDS BECOME THE PROPERTY OF BURLINGTON ELECTRIC DEPARTMENT. AFTER THE AWARDING OF THE CONTRACT TO THE SUCCESSFUL BIDDER, ALL BIDS ARE OPEN FOR PUBLIC VIEWING subject to any confidentiality requirements applicable under Vermont's Access to Public Records Law exclusions.

BURLINGTON ELECTRIC DEPARTMENT (BED)
GENERAL SPECIFICATIONS FOR CONTRACTORS

I. GENERAL:

- A. The Contractor is responsible for all damage to property, public or private, occurring in connection with this construction.
- B. BED reserves the right to withhold a 10% retainage of the total bid amount until such time as BED is completely satisfied with the work performed by the Contractor.
- C. Refer to attached drawings for site and construction details. The Contractor shall contact Dig Safe a minimum of 48 hours prior to construction. The Contractor shall be responsible for working adjacent to all utilities.
- D. The Contractor (from here on to also mean “Bidder”) shall provide unit pricing, as requested on attached Work Item Bid Sheets, for each item noted. These unit prices shall be used for determining extra costs or refunds if additional duct banks, coring, conduit system relocation, additional utility holes or CDR boxes, elimination of utility holes or CDR boxes, etc are required during the course of the project. Unit pricing shall include any and all costs associated with procurement of sumps, hydraulic (“hot box”) conduit benders and other devices, as needed to perform work; individual rental or unit price costs for such items shall not be approved. Therefore, it is the responsibility of the bidder to differentiate the costs for locations where work may be more difficult, including but not limited to, unit costs for like systems in different locations. Failure to provide unit pricing as described shall indicate the unit pricing provided on the Work Item Bid Sheet covers all work within the construction area.
- E. BED shall provide an inspector when necessary during Contractor excavation, installation and back-fill operation. The Inspector shall make all attempts to be present at the site, however it shall be understood by the Contractor that the Inspector may have to leave the site as needed for other projects, and therefore the Contractor shall be prepared to perform other work in the interim at no additional cost to BED. Prior to backfilling any trench involving new duct bank systems, contact BED (865-7463), to schedule the inspection of the new duct bank system location and depth. All work is subject to inspection and approval of BED. Non-complying construction will be brought into compliance as directed at the expense of the Contractor. It is the responsibility of the Contractor to notify BED prior to backfilling. The Contractor shall provide notice at least one full business day ahead of the day backfilling is expected; the specific time may be determined the day of backfilling. If notice is not given prior to backfilling, BED shall have the right to require any or all work to be exposed for visual inspection at the expense of the Contractor.
- F. BED shall make every effort to provide assistance to enter utility holes, vaults, transformers, pedestals and other similar locations that require BED assistance. The

Contractor shall provide a minimum of 24 hours of advance notice when BED assistance is required for access. The Contractor shall be responsible for coordinating work for their crews for the interim. BED shall not cover any costs associated with work stoppage, unless agreed to by BED.

- G. The City of Burlington's Women and Construction Trades Ordinance may apply to this project. The Contractor shall complete and return the "Statement of Intent to Comply" with their quote. The Contractor shall work with the Community and Economic Development Office for compliance with this ordinance.
- H. All applicable permits and fees, including excavation fees, are the responsibility of the Contractor.
- I. The Contractor shall maintain at the job site a separate set of plans, which shall be used for as-built records. These as built records shall be provided to BED upon completion of work.
- J. Throughout construction, the Contractor shall provide BED with upgraded schedules to accurately reflect the time frame of work.
- K. There are energized electrical cables in the project area. Any work around these cables shall be coordinated and approved by BED.
- L. The Contractor shall provide all materials, unless otherwise noted.
- M. Throughout construction, the Contractor shall provide appropriate traffic control. The Contractor shall conduct all work so as to ensure the least possible obstruction to traffic. The safety and convenience of the general public and the residents along the highway within the construction area and the protection of persons and property shall be provided for by the Contractor.
- N. An accessible sidewalk route must be available for pedestrians at all times when a sidewalk or roadway is closed. Provide a sign, "Sidewalk Closed Ahead", at both ends of the street when the sidewalk is closed. Only one sidewalk on a street can be closed at a time.
- O. Working hours shall be 7am-7pm Monday through Friday, and 7am-5pm on Saturday. Work on Sundays and Holidays must be submitted to the Owner in writing or during a meeting a minimum of 48 hours prior to the date being requested. Work hour limitations include running/warming up of stationary construction equipment outside of the designated or approved work hours that exceed the Noise Ordinance limits for Quiet Hours as set forth in the City Ordinances. City Holidays occurring within this contract include:
 - 1. Memorial Day – Special permissions are required to work on Memorial Day.
 - 2. Juneteenth - Special permissions are required to work on Juneteenth.
 - 3. Independence Day –Special permissions are required to work on Independence Day which is observed by the City of Burlington on July 4th. No work shall be

- done on July 3rd after 12pm without permission.
4. Bennington Battle Day – Special permissions are required to work on Bennington Battle Day.
 5. Labor Day – Special permissions are required to work on Labor Day.
 6. Columbus Day – Special permissions are required to work on Columbus Day.
 7. Veterans Day – Special permissions are required to work on Veterans Day.

II. TECHNICAL:

A. General (applies to all following sections of this specification):

1. The Contractor shall be responsible for all excavation, conduit / pipe system installation, fiberglass pad installations, transformer vault installations, utility hole installations, CDR box installations, core drilling of utility hole and/or transformer vault walls for conduit entries, backfilling, and site restoration.
2. Conduit installation shall be accomplished by traditional excavation and conduit placement.
3. Conduits installed under the street shall be schedule 40, UL listed, confirming to NEMA Standard TC-2, concrete encased per BED specs and shall be installed using traditional excavation.
4. Conduits under sidewalks or driveways shall be schedule 40, UL listed, confirming to NEMA Standard TC-2, concrete encased per BED specs and shall be installed using traditional excavation.
5. In areas where the new conduit system will run near the root system of trees the conduits shall be installed to minimize damage to the root system. Hand digging or use of pneumatic devices such as the AirSpade CGP system will be used to expose roots for cutting if roots are visible after the existing sidewalk panels have been removed. These methods will be used for the excavation of dirt, soil and organic matter within 8 feet of the base of the tree. The Cutting of roots greater than 1 inch in diameter will be completed with the use of a hand pruning saw or reciprocating saw to ensure a clean cut.

Replacement cost of trees requiring removal due to damage sustained through the work covered under this contract will be determined by the value as listed in the City's current tree inventory. The contractor will be responsible for this replacement cost. The Contractor shall coordinate and verify locations of work with the City Arborist and Engineer.

6. The Contractor shall saw cut the existing streets, sidewalks and driveways to prevent jagged, uneven or broken edges of the existing pavement or concrete.

7. The Contractor shall take appropriate steps to protect the existing pavement, concrete sidewalks, curbing, foundation walls, driveways, pavers, shrubs, trees, etc. from damage during construction. If damage occurs, Contractor shall repair all damages at his/her expenses.
8. Refer to all project drawings for associated work prior to beginning installation.
9. The Contractor shall install the number, size and type conduit shown on all project drawings.
10. The project drawings indicate approximate locations only and are not intended to establish exact locations. In laying out the work, if the Contractor encounters conditions that indicate conflict with the intent of the plans he/she shall promptly notify BED and request adjustment before proceeding with the work in the affected area.
11. The Contractor shall coordinate final excavation details with BED prior to starting any excavation. Failure to do so, and any subsequent expenses due to such failure, shall be the responsibility of the Contractor.
12. In general, the top of the conduit shall be at 36 inches below finished grade unless specified on the project drawings (refer to project drawings for each installation).
13. The Contractor shall insure that the installed conduit is free of dirt or debris.
14. The conduit system shall maintain a minimum clearance from water, sewer and gas lines of 10 feet. Where this is not feasible, a lesser clearance may be authorized with written approval of all involved parties. The requesting party shall submit approvals to BED.
15. The conduit system shall maintain a minimum clearance from communication conduits, and customer-owned electrical conduits of 12 inches.
16. Conduits crossing water, sewer or gas lines will be installed so as not to place any strain on these services.
17. Contractors shall submit a detailed construction plan with their proposal. In their plans, Contractors may divide the work between the conduit installation methods according to their professional judgement.
18. A 1/4" nylon or polypropylene pull line having a 500-pound rating shall be installed and secured in each conduit.
19. See the project drawings for proposed conduit routing. Contractors may present alternative conduit routing for consideration by BED. Approval of conduit routing,

placement and other items deemed necessary shall be obtained from BED in writing prior to construction.

20. Temporary restoration of trenches in the street:

- a) The Contractor shall wait a minimum of 12 hours after the pours of the concrete before backfilling the trench with loose material. The wait period can be reduced to 6 hours if 5,000 PSI concrete mix with 2% “non-chloride” accelerator are used. The Contractor will then install a top layer of hard surface material with a minimum of 2” of approved material. Until the trench is backfilled, steel plates shall be placed over the open trenches in road-crossings and other street locations. For areas other than road crossings, the Contractor may elect to barricade the area until the trench is backfilled. The Contractor shall obtain all permits and meter bags from the City of Burlington Department of Public Works (DPW) for the parking spaces they will be barricading and shall be responsible for all related expenses.
- b) The backfill material shall be one of the following:
 - (1) Re-cycled asphalt.
 - (2) Standard mix asphalt.
 - (3) Cold patch compound.
 - (4) Concrete.
- c) All areas covered with the temporary surface will be compacted per City of Burlington Department of Public Works (DPW) specifications.

21. Permanent site restoration:

- a) The Contractor shall permanently backfill the trench with loose material Backfill. Material shall be placed in maximum 6 inch lifts, with each lift compacted to 95% Proctor. Permanent backfill/compaction shall not take place until the concrete has cured for a minimum of 48 hours after pouring
- b) The Contractor shall completely restore all disturbed areas of the private property, street, greenbelt, curbing and sidewalk to the satisfaction of the City of Burlington DPW, BED, and the property owners.
- c) Affected areas of the concrete sidewalk shall be replaced with concrete per City of Burlington DPW specifications.
- d) The Contractor shall repave the excavated areas in the street or driveway to match the existing pavement.
- e) The Contractor shall repave the excavated areas in asphalt sidewalks to match the existing pavement.
- f) After backfilling, the Contractor shall loam, rake smooth, roll and mulch grass areas as required by Burlington DPW specifications.

B. Traditional excavation and conduit placement:

1. Installation:

- a) The bottom of the trench designed by BED shall be undisturbed original ground or firmly compacted earth free from voids, rocks or rubble and of relatively smooth arch. The bottom of the trench shall be lined with a minimum of 2 inches of clean sand.
- b) A maximum of 270 degrees in bends will be permitted in a single run of conduit. Bends and sweeps shall be of a 36" radius at the riser poles and minimum of 48" along the conduit system, unless otherwise indicated on the project drawings. No change of direction greater than 5 degrees will be permitted between lengths of rigid conduit without the use of a formed bend. No kinks or distortions will be accepted in formed bends.
- c) Duct bends required for passing under existing lines or duct banks shall be a made using field bends. Field bends shall be made using hot-box benders as recommended by the duct manufacturer. The bends shall not cause any change in the configuration or internal cross section area of the duct.
- d) PVC duct joints shall be made watertight by the use of brush-applied cement as recommended by the manufacturer.
- e) Duct spacers shall be installed not more than 6 feet apart along runs and not more than 2 feet from fiberglass pads or lateral takeoff elbows. Base spacers shall be set on a firm base and anchored to prevent movement during pour.
- f) In areas not requiring encasement, the material used for conduit separation shall be clean sand. A minimum of 6 inches of sand shall cover the conduits.
- g) A two-inch (2") spacing shall be maintained between adjacent conduits (1"- 4" conduits).
- h) All conduits in each run shall be the same type. Mixing is not acceptable.
- 1. All backfill shall be free of any material that may damage the conduits.
- J) The Contractor shall install BED furnished plastic warning tape, describing buried electrical lines, along the entire length of the duct bank, at a depth of 12 inches below finished grade.

2. Encasement and Anchoring:

- a) All BED conduits installed in trenches under the street shall be encased with concrete, unless otherwise noted.
- b) The concrete shall be of a grade no less than 3,000 psi compressive strength rating. If the top of the conduit is less than 34 inches below finished grade, the concrete shall be of a grade no less than 4,000 psi comprehensive strength rating. Slump shall be 3 to 5 inches, and the concrete shall be worked in to completely surround all conduits.
- c) Concrete encasement shall extend a minimum of four inches (4") away from the outermost conduits in all directions. If the top of the conduit is less than 34 inches below finished grade, the concrete encasement shall extend at least six inches (6") away from the outermost conduits in all directions.

- d) When it is expected that there will be an interval of four hours or longer between pours of concrete, reinforcement bars shall be installed across the construction joint. The bars shall be size #4 and not less than 6 feet in length. One bar shall be installed in each corner, and between ducts in the top and bottom of the concrete envelope, two inches (2") from the outside surface. Each bar shall extend approximately equal distances into the two pours of concrete.
- e) Prior to pouring concrete, the duct shall be securely anchored to prevent movement during the pour. Anchors shall be within two feet (2') and on each side of a joint, at each end of a bend, and at a maximum distance of ten feet (10') between anchors.
- f) Where lateral takeoffs of ducts from concrete envelopes are made; the forms shall be slotted for the installation of the elbow with slotted sheet metal forms placed over the elbow to retain concrete during pour. Lateral takeoff conduits shall be rigidly supported during pour and cure.
- g) Before placing forms or conduits, the Contractor shall confirm that the surface on which concrete is to be poured is undisturbed original ground or firmly compacted earth free of voids, rocks, or rubble.
- h) Forms for duct sections shall be provided in all cases except, with BED approval, when the soil conditions are such that the trench can be excavated to the required width and depth, leaving firm and vertical walls that may be suitably employed as a substitute for fabricated forms.
- i) All forms and other materials shall be completely removed when installation is complete.
- j) The duct envelope should be square or rectangular in cross section and shall provide for concrete thickness over the outside ducts as previously specified.

3. Conduit used for traditional excavation or directional drilling / moling:

- a) For traditional excavation, all BED conduits shall be utility grade, schedule 40 PVC, UL listed, confirming to NEMA Standard TC-2, concrete encased, unless otherwise noted.
- b) For directional drilling or conduit moling, all BED conduits shall be schedule 80 PVC, UL listed, confirming to NEMA Standard TC-2, unless otherwise noted.
- c) The number, type and size of conduits shall be as shown in the project drawings.
- d) PVC fittings, couplings, elbows, bell ends and spacers shall be the product of the same manufacturer as the duct and designed for use with the type duct installed, or be approved by BED.

4. Directional boring / conduit moling:

- a) Sections of the new conduit system deemed appropriate by BED and the Contractor may be installed using directional boring or conduit moling techniques.
- b) The Contractor shall install pipe or conduit of the quantity, size and strength specified in the project drawings.
- c) Sweeps shall be 36" radius a riser poles and minimum 48" radius along the

conduit system and shall have compatible inside and outside diameters with the conduit or HDPE pipe.

- d) The Contractor shall submit a detailed construction plan with their bid. At a minimum, this plan shall indicate:

1. The proposed pipe / conduit routing.
2. The expected location and size of all necessary access pits.
3. Ground shoring and bracing techniques.
4. Ground water stabilization and dewatering techniques.
5. Method of spoil disposal.
6. Grade and alignment system details.
7. Pipe jointing method and details.

5. Installation:

- a) Before beginning construction at any location of this project, the Contractor shall adequately protect existing structures and other permanent objects.
- b) The Contractor shall determine the necessary steps for directional boring or conduit moling, subject to approval by BED.
- c) The Contractor is responsible for the performance of the equipment and methods selected for directional boring.
- d) All work of excavating, shoring, bracing, and directional boring / conduit moling shall be so executed that settlement is minimized, the in-place pipe shall have full bearing against the earth, and no voids or pockets are left in any portion of the work.
- e) The Contractor shall determine the exact starting location for the directional boring / conduit moling process. The Contractor is responsible for maintaining proper alignment and depth below finished grade of the pipe.
- f) The excavation and run of pipe being installed shall be controlled such that any deviation from grade is below the design grade.
- g) The Contractor shall monitor ground movements associated with the work and make suitable changes in the construction methods to control ground movements and prevent damage or detrimental movement to the work and adjacent structures and pavements. Permissible tolerances with respect to settlement of ground surface and alignment of pipe shall not be exceeded.

6. Access pits:

- a) The Contractor shall construct pits to accommodate the installation of pipe and the directional boring / conduit moling equipment.
- b) The Contractor shall properly support all excavations and prevent all movement of the soil, pavement, utilities or structures outside of the excavation.
- c) The Contractor shall install seals in the pit walls as required to control ground movement where the casings enter and exit the ground.

C. HDPE pipe used for directional boring:

1. All pipe shall be High Density Polyethylene (HDPE), suitable for direct burial.
2. The Contractor shall install HDPE pipe of the size and strength shown in the project drawings.
3. The Contractor shall provide calculations showing that the pipe selected has been designed to support the maximum anticipated earth loads and superimposed live loads, both static and dynamic that may be imposed on the pipe. The Contractor shall determine the additional stresses imposed on the pipe during directional boring operations and upgrade the quality and strength of the pipe to the extent necessary.
4. The Contractor shall certify that all pipe used on this project conforms to approved certified tests, and has been stored and handled properly.
5. All HDPE to HDPE and HDPE to PVC pipe joints shall be made using watertight compression couplings. These couplings shall be 200 PSI rated, Flo Control, Inc. PVC Compression Fittings or equivalent.
6. The Contractor shall chamfer the inside of both conduits / pipes at each joint to provide a smooth transition between the conduits / pipes.

D. CDR box installation (24" x 36" x 24"):

1. The Contractor shall install the CDR boxes as shown on the project drawings.
2. BED shall provide the CDR boxes.
3. The Contractor shall be responsible for all excavation, CDR box installation, backfilling and site restoration.
4. The Contractor shall coordinate with BED at least 24 hours before installing the CDR box to schedule the inspection.
5. The top of the CDR box shall be one inch above finished grade.
6. The CDR box shall be level and rest on a bedding of compacted crushed stone 6 inches in depth per Section II. M. of these specifications. The bedding of crushed stone shall extend a minimum of 6 inches beyond the edge of the CDR box in each direction.
7. Conduit entry into the CDR box shall be made by use of conduit sweeps.
8. The Contractor shall cut off the tops of the sweeps inside the hand holes 3 inches above the top of the stone.
9. Grounding:
 - a) BED shall install a ground grid around the CDR box.
 - b) BED shall provide the ground wire, two ground rods, and connectors for the CDR box.
 - c) The Contractor shall coordinate with BED at least 24 hours before installing the CDR box to schedule the ground grid installation.
 - d) BED shall drive the ground rods such that the top of the rod is twelve inches (12") below finished grade.
 - e) All ground rod to ground wire connections shall be made with a compression connector. Mechanical connectors are not acceptable.

E. Fiberglass transformer and Modular Terminating Cabinet (MTC) pad installations:

1. BED shall provide the 37 inch by 43 inch by 32 inch fiberglass pads.
2. The Contractor shall install each fiberglass pad as shown on the project drawings.
3. Each fiberglass pad shall be installed as shown on BED Standard 1605. The top of each fiberglass pad shall be four inches above finished grade. Each fiberglass pad shall be level and rest on a bedding of compacted crushed stone 6 inches in depth per Section II. M. of these specifications. The bedding of crushed stone shall extend a minimum of 6 inches beyond the edge of each pad in each direction.
4. Conduits shall enter each fiberglass pad a minimum of 36 inches below finished grade. Conduit entry into each fiberglass pad shall be made by use of conduit sweeps.
5. The Contractor shall cut off the tops of the sweeps inside the fiberglass pads 3 inches above the top of the stone.
6. Grounding:
 - a) BED shall provide the ground wire, two ground rods, and connectors for each pad.
 - b) Prior to installing each fiberglass pad, the Contractor shall contact BED to arrange for the installation of the ground grid before back filling.
 - c) BED shall drive the ground rods such that the top of the rod is twelve inches (12") below finished grade.
 - d) All ground rod to ground wire connections shall be made with a compression connector. Mechanical connectors are not acceptable.

F. Utility Holes, 7' wide x 14' long x 7' high (ID):

1. Refer to the project drawings for construction and installation details.
2. Construction for Utility Hole:
 - a) Design Criteria:
 - (1) Minimum Concrete Compressive Strength: 5,000 PSI @ 28 days
 - (2) Entrained Air: 5% Minimum
 - (3) Steel: ASTM A615 Grade 60
 - (4) Size: 7' wide x 14' long x 7' high (inside dimensions), 6" walls and 8" base minimum.
 - (5) Other references: ASTM A153, A569, A48, A123, C857, C890, ACI301, 318, 347; CRSI; others as applicable.
 - b) The Contractor shall provide the pre-cast UH's. The precast utility holes shall meet the following criteria:
 - (1) ASTM C-857 and ASTM C-890 to support full H-20 loading
 - (2) Hydrostatic loading assuming groundwater to surface.
 - (3) The vault shall be designed for no more than 2 sections (a top section and bottom section). The bottom section shall be cast monolithically

with the base slab.

- c) Pull anchor forces as detailed in this specification.
- d) Contractor to provide vault design drawing that meets the full H-20 loading criteria.
- e) Conduit penetration knockouts shall be provided as shown on construction drawings. The Contractor shall coordinate conduit penetration knockout locations with the pre-cast UH vendor.
- f) The Contractor shall connect the new conduits to the conduit penetration knockouts at the positions indicated on the project drawings.
- g) Each UH shall have additional reinforcement at openings over 24" in diameter, and at all corners. The reinforcement shall be both vertical and horizontal, using #4 bars, minimum.
- h) Each UH shall be built and installed in two sections - top and bottom.
- i) The joint between the top and bottom sections shall be constructed as a shiplap or a "tongue and groove" (the "tongue" shall be built into the lower section and the "groove" shall be built into the upper section). The joint shall be sufficiently strong to prevent the two sections of the UH from moving in relation to each other under normally expected conditions (frost, vibration from vehicles, etc.).
- j) Mastic shall be applied between the top and bottom sections during installation to seal the joint against water penetration.
- k) Each UH shall have 1-1/4" galvanized steel shank pulling eyes with a 2" eye and a 4" galvanized steel square washer as in locations as directed by BED. Pulling eyes shall be suitable for 15,200 pounds @ 180 degree pull, and 3,800 pounds @ 90 degree pull, minimum.
- l) The UH shall have a 40 inch diameter opening in the roof.
- m) The Contractor shall provide all sealing compounds and other accessories necessary for complete installation of the UH.
- n) The UH shall have a 4 inch deep, 12 inch diameter sump hole centered under the opening in the roof.
- o) The Contractor shall be responsible for all excavation, UH installation, backfilling and site restoration.
- p) The UH shall be level and rest on 12 inches of compacted crushed stone meeting sieve requirements below:

<u>SIEVE DESIGNATION</u>	<u>% PASSING</u>
1 inch	100
3/4 inch	90 to 100
3/8 inch	0 to 55
NO. 4	0 to 10
NO. 8	0 to 5

- q) The setting depth of each UH will be such that the top of each UH will be a minimum of twelve inches (12") below finished grade.

- r) A 40 inch cast iron cover and frame (Neenah Foundry Co. catalog #R-5900-J),

provided by BED, shall be installed by the Contractor at finish grade, centered above the opening in the roof of each UH. The Contractor shall install the cover and frame and the throat, extensions, etc. to accommodate the distance from the top of the UH to the surface.

- s) The opening in the roof of the UH, the throats / extensions and the opening in the cast iron frame shall be aligned.
- t) The throat from top of the UH to the cast iron ring and cover shall be made up of concrete ring sections with a 40" diameter inside opening and minimum 8" thick walls, rated H-20 loading. The Contractor shall provide mastic sealant between the UH roof and bottom ring section, between ring sections and between the top ring section and the cast iron frame. The number of sections shall be kept to a minimum and shall be minimum 2" high.

3. Grounding:

- a) The UH shall be cast with two, one inch (1") diameter, PVC sleeves in the wall for grounding. The Contractor shall coordinate the location of the grounding sleeves with the precast UH vendor.
- b) Prior to installing the UH, the Contractor shall contact BED to arrange for the installation of the ground grid before back filling.
- c) BED shall provide four, eight foot ground rods, ground wire and connectors for the UH.
- d) The Contractor shall drive the ground rods such that the top of the rod is twelve inches (12") below finished grade.
- e) All ground rod to ground wire connections shall be made with a compression connector. Mechanical connectors are not acceptable.
- f) The Contractor shall coordinate with BED at least 48 hours before installing the UH to schedule the ground grid installation.

G. Transformer Vault:

- 1. Refer to the project drawings for construction and installation details. Contractor to certify the Vault meets the full H-20 loading criteria.
- 2. Construction for Transformer Vault:

A) Design Criteria:

- (1) Minimum Concrete Compressive Strength: 5,000 PSI @ 28 days
- (2) Entrained Air: 5% Minimum
- (3) Steel: ASTM A615 Grade 60
- (4) Size: 7' wide x 12' long x 7' high (inside dimensions), 6" walls and 8" base minimum. Top of vault shall be one concrete cover 9' wide x 14' long with cable window and access cover.

- (5) Other references: ASTM A153, A569, A48, A123, C857, C890, ACI301, 318, 347; CRSI; others as applicable.
- B) Contractor shall provide the pre-cast transformer vault. The precast transformer vault shall meet the following criteria:
- (1) ASTM C-857 and ASTM C-890 to support full H-20 loading
 - (2) Hydrostatic loading assuming groundwater to surface.
 - (3) The vault shall be cast monolithically with the base slab.
 - (4) Pull anchor forces as detailed in this specification.
- C) Contractor shall provide the top of vault. Top of the vault shall be provided with one concrete cover 9' wide x 14' long with cable window and access cover. All sections shall be rated for H-20 loading. Top of vault shall accommodate a transformer weight of 16,000 lb. Concrete pad shall have $\frac{3}{4}$ " chamfer on all sides. BED shall provide 30" x 60" access cover for setting into cover during concrete pour.
- D) Conduit penetration knockouts shall be provided as shown on construction drawings. The Contractor shall coordinate conduit penetration knockout locations with the pre-cast transformer vault vendor.
- E) The Contractor shall connect the new conduits to the conduit penetration knockouts at the positions indicated on the project drawings.
- F) Each transformer vault shall have additional reinforcement at openings over 24" in diameter, and at all corners. The reinforcement shall be both vertical and horizontal, using #4 bars, minimum.
- G) Each transformer vault shall have 1-1/4" galvanized steel shank pulling eyes with a 2" eye and a 4" galvanized steel square washer as in locations as directed by BED. Pulling eyes shall be suitable for 15,200 pounds @ 180 degree pull, and 3,800 pounds @ 90 degree pull, minimum.
- H) The Contractor shall provide all sealing compounds and other accessories necessary for complete installation of the switchgear vault.
- I) The transformer vault shall have a 4 inch deep, 12 inch diameter sump hole under the access cover opening in the roof.
- J) The Contractor shall be responsible for all excavation, transformer vault installation, backfilling and site restoration.
- K) The transformer vault shall be level and rest on 12 inches of compacted crushed stone meeting sieve requirements below:

<u>SIEVE DESIGNATION</u>	<u>% PASSING</u>
1 inch	100
$\frac{3}{4}$ inch	90 to 100
$\frac{3}{8}$ inch	0 to 55
NO. 4	0 to 10
NO. 8	0 to 5

3. Grounding:

- a) The transformer vault shall be cast with two, one inch (1") diameter, PVC sleeves in the wall for grounding. The Contractor shall coordinate the location of the grounding sleeves with the precast transformer vault vendor.
- b) Prior to installing the transformer vault, the Contractor shall contact BED to arrange for the installation of the ground grid before back filling.
- c) BED shall provide four, eight foot ground rods, ground wire and connectors for the transformer vault.
- d) The Contractor shall drive the ground rods such that the top of the rod is twelve inches (12") below finished grade.
- e) All ground rod to ground wire connections shall be made with a compression connector. Mechanical connectors are not acceptable.
- f) The Contractor shall coordinate with BED at least 48 hours before installing the transformer vault to schedule the ground grid installation.

H. Transformer Vault:

1. Refer to the project drawings for construction and installation details. Contractor to certify the Vault meets the full H-20 loading criteria.

2. Construction for Transformer Vault:

A) Design Criteria:

- (1) Minimum Concrete Compressive Strength : 5,000 PSI @ 28 days
- (2) Entrained Air: 5% Minimum
- (3) Steel: ASTM A615 Grade 60
- (4) Size: 7' wide x 12' long x 7' high (inside dimensions), 6" walls and 6" base minimum. Top of vault shall be one concrete cover 7' wide x 12' long with cable window and access cover.
- (5) Other references: ASTM A153, A569, A48, A123, C857, C890, ACI301, 318, 347; CRSI; others as applicable.

B) Contractor shall provide the pre-cast transformer vault. The precast transformer vault shall meet the following criteria:

- (1) ASTM C-857 and ASTM C-890 to support full H-20 loading
- (2) Hydrostatic loading assuming groundwater to surface.
- (3) The vault shall be cast monolithically with the base slab.
- (4) Pull anchor forces as detailed in this specification.

C) Contractor shall provide the top of vault. Top of vault shall be provided with one concrete cover 9' wide x 14' long with cable window and access cover. All sections shall be rated for H-20 loading. Top of vault shall accommodate a transformer weight of 16,000 lb. Concrete pad shall have 3/4" chamfer on all

sides. BED shall provide 30" x 60" access cover for setting into cover during concrete pour.

- D) Conduit penetration knockouts shall be provided as shown on construction drawings. The Contractor shall coordinate conduit penetration knockout locations with the pre-cast transformer vault vendor.
- E) The Contractor shall connect the new conduits to the conduit penetration knockouts at the positions indicated on the project drawings.
- F) Each transformer vault shall have additional reinforcement at openings over 24" in diameter, and at all corners. The reinforcement shall be both vertical and horizontal, using #4 bars, minimum.
- G) Each transformer vault shall have 1-1/4" galvanized steel shank pulling eyes with a 2" eye and a 4" galvanized steel square washer as in locations as directed by BED. Pulling eyes shall be suitable for 15,200 pounds @ 180 degree pull, and 3,800 pounds @ 90 degree pull, minimum.
- H) The Contractor shall provide all sealing compounds and other accessories necessary for complete installation of the switchgear vault.
- I) The transformer vault shall have a 4 inch deep, 12 inch diameter sump hole under the access cover opening in the roof.
- J) The Contractor shall be responsible for all excavation, transformer vault installation, backfilling and site restoration.
- K) The transformer vault shall be level and rest on 12 inches of compacted crushed stone meeting sieve requirements below:

<u>SIEVE DESIGNATION</u>	<u>% PASSING</u>
1 inch	100
3/4 inch	90 to 100
3/8 inch	0 to 55
NO. 4	0 to 10
NO. 8	0 to 5

3) Grounding:

- a) The transformer vault shall be cast with two, one inch (1") diameter, PVC sleeves in the wall for grounding. The Contractor shall coordinate the location of the grounding sleeves with the precast transformer vault vendor.
- b) Prior to installing the transformer vault, the Contractor shall contact BED to arrange for the installation of the ground grid before back filling.
- c) BED shall provide four, eight foot ground rods, ground wire and connectors for the transformer vault.
- d) The Contractor shall drive the ground rods such that the top of the rod is twelve inches (12") below finished grade.
- e) All ground rod to ground wire connections shall be made with a compression connector. Mechanical connectors are not acceptable.
- f) The Contractor shall coordinate with BED at least 48 hours before installing the transformer vault to schedule the ground grid installation.

I. Switch vault:

1. Refer to the project drawings for construction and installation details. Contractor to certify the Vault meets the full H-20 loading criteria.
2. Construction for switch vault:
 - A) Design Criteria:
 - (1) Minimum Concrete Compressive Strength : 5,000 PSI @ 28 days
 - (2) Entrained Air: 5% Minimum
 - (3) Steel: ASTM A615 Grade 60
 - (4) Size: 7' wide x 14' long x 7' high (inside dimensions), 6" walls and 8" base minimum. Top of vault shall be one concrete cover 9' wide x 16' long with cable window and access cover.
 - (5) Other references: ASTM A153, A569, A48, A123, C857, C890, ACI301, 318, 347; CRSI; others as applicable.
 - B) Contractor shall provide the pre-cast switch vault. The precast switch vault meet the following criteria:
 - (1) ASTM C-857 and ASTM C-890 to support full H20 loading
 - (2) Hydrostatic loading assuming groundwater to surface.
 - (3) The vault shall be cast monolithically with the base slab.
 - (4) Pull anchor forces as detailed in this specification.
 - C) Contractor shall provide the top of vault. Top of the vault shall be provided with one concrete cover 9' wide x 16' long with cable window and access cover. All sections shall be rated for H-20 loading. Top of vault shall accommodate a switch weight of 16,000 lb. Concrete pad shall have 3/4" chamfer on all sides. BED shall provide 30" x 60" access cover for setting into cover during concrete pour.
 - D) Conduit penetration knockouts shall be provided as shown on construction drawings. The Contractor shall coordinate conduit penetration knockout locations with the pre-cast switch vault vendor.
 - E) The Contractor shall connect the new conduits to the conduit penetration knockouts at the positions indicated on the project drawings.
 - F) Switch vault shall have additional reinforcement at openings over 24" in diameter, and at all corners. The reinforcement shall be both vertical and horizontal, using #4 bars, minimum.
 - G) Switch vault shall have 1-1/4" galvanized steel shank pulling eyes with a 2" eye and a 4" galvanized steel square washer as in locations as directed by BED. Pulling eyes shall be suitable for 15,200 pounds @ 180 degree pull, and 3,800 pounds @ 90 degree pull, minimum.
 - H) The Contractor shall provide all sealing compounds and other accessories necessary for complete installation of the switchgear vault.

- I) The switchgear vault shall have a 4 inch deep, 12 inch diameter sump hole under the access cover opening in the roof.
- J) The Contractor shall be responsible for all excavation, switch vault installation, backfilling and site restoration.
- K) The switch vault shall be level and rest on 12 inches of compacted crushed stone meeting sieve requirements below:

<u>SIEVE DESIGNATION</u>	<u>% PASSING</u>
1 inch	100
¾ inch	90 to 100
3/8 inch	0 to 55
NO. 4	0 to 10
NO. 8	0 to 5

3) Grounding:

- a) The switch vault shall be cast with two, one inch (1") diameter, PVC sleeves in the wall for grounding. The Contractor shall coordinate the location of the grounding sleeves with the precast switch vault vendor.
- b) Prior to installing the switch vault, the Contractor shall contact BED to arrange for the installation of the ground grid before back filling.
- c) BED shall provide four, eight foot ground rods, ground wire and connectors for the switch vault.
- d) The Contractor shall drive the ground rods such that the top of the rod is twelve inches (12") below finished grade.
- e) All ground rod to ground wire connections shall be made with a compression connector. Mechanical connectors are not acceptable.
- f) The Contractor shall coordinate with BED at least 48 hours before installing the Switch vault to schedule the ground grid installation.

J. Left Blank

K. Street light conduit installations:

- 1. The Contractor shall install conduits to each existing street light location as shown on the project drawings.
- 2. As specified on the project drawings, street light conduits shall be Schedule 80 PVC (without concrete encasement).
- 3. The top of the street lighting conduit shall be at 36 inches below finished grade unless specified on the project drawings (refer to project drawings for each installation).
- 4. The Contractor shall coordinate the street light conduit installations with BED in advance to determine the best routing to the pole.

L. Building service conduit installations:

1. The Contractor shall install conduits to each building as shown on the project drawings. The Contractor shall coordinate the location of the conduit at each building with BED's Inspector.
2. Each conduit to a meter location shall come up to grade in a 36" radius sweep. The Contractor shall install a one foot length of schedule 40 PVC conduit above the sweep and cap the conduit.

M. Granular Fill under Slabs & Footings:

1. Prior to placing granular fill, all organic material, topsoil, debris and any other deleterious material shall be removed.
2. Granular fill shall be an approved, well graded bank run or crusher run gravel meeting the requirements of the following table:

<u>SIEVE DESIGNATION</u>	<u>% PASSING</u>
1 inch	100
¾ inch	90 to 100
3/8 inch	0 to 55
NO. 4	0 to 10
NO. 8	0 to 5

3. The material shall be placed in maximum 8" lifts and compacted to 95% of maximum density at optimum moisture content as determined by ASTM D-1557, modified proctor.
4. The Contractor will employ an approved independent testing firm to take four (4) density tests on each compacted fill lift. If the material tests less than 95%, corrective action and additional testing will be required, at the Contractor's expense.
5. Materials shall be placed in such a way as not to damage existing structures, existing utilities and concrete foundations and footings.

It shall be the Contractor's responsibility to obtain, from a testing firm approved by BED, a sieve analysis and a laboratory moisture-density curve for the proposed granular fill. The procedure shall be repeated until a material meeting the specification is provided.

N. Site Restoration:

1. The Contractor shall completely restore all disturbed areas of the grass, roads, curbing and sidewalk to the satisfaction of BED, City of Burlington DPW, and other property owners.
2. Affected areas of sidewalks shall be replaced per City of Burlington DPW specifications.

3. After backfilling, the Contractor shall restore grass areas on private property. The Contractor shall loam, rake smooth, roll, and mulch grass areas as required by City of Burlington DPW specifications.
4. After backfilling, the Contractor shall restore grass areas within the City right-of-way as required by City of Burlington DPW specifications.
5. The Contractor shall repave excavated areas in streets or driveways to match the existing pavement.



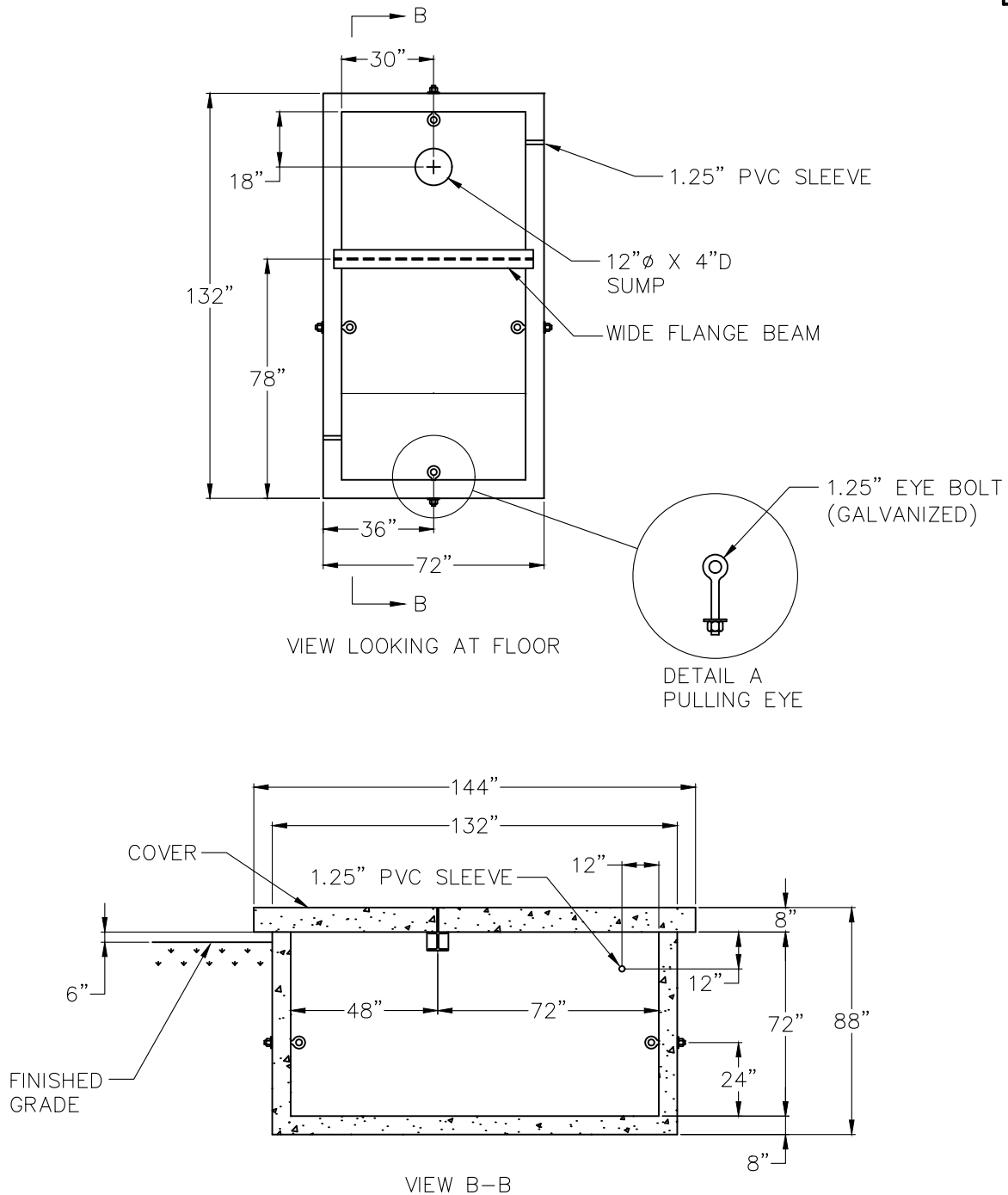
NOTES

- BURLINGTON ELECTRIC DEPT.

DISTRIBUTION STANDARDS

THREE Ø TRANSFORMER CONCRETE PAD

DATE: 10/16/14	DWG. NO.: 162201
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 2



NOTES

1. PULLING EYE LOCATIONS SHOWN ARE TYPICAL LOCATIONS, FINAL LOCATION/AMOUNT TO BE DETERMINED BY BED ENGINEERING. MASTIC IS TO BE PLACED BETWEEN WASHER AND VAULT WALL TO PREVENT WATER SEEPAGE. PULLING EYES MAY NOT BE RECESSED INTO THE WALL.

**BURLINGTON ELECTRIC DEPT.
DISTRIBUTION STANDARDS**

THREE Ø TRANSFORMER PAD

DATE: 05/22/23

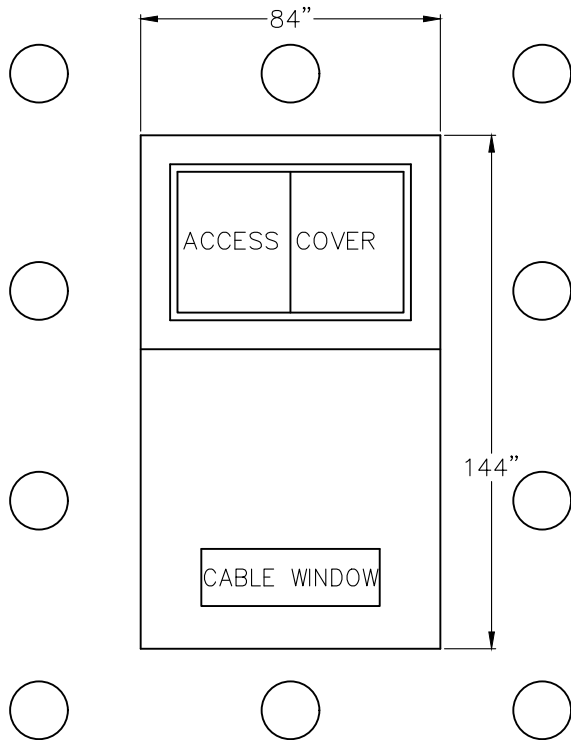
DWG. NO.: 162202

DWN BY: RG

APP. BY:

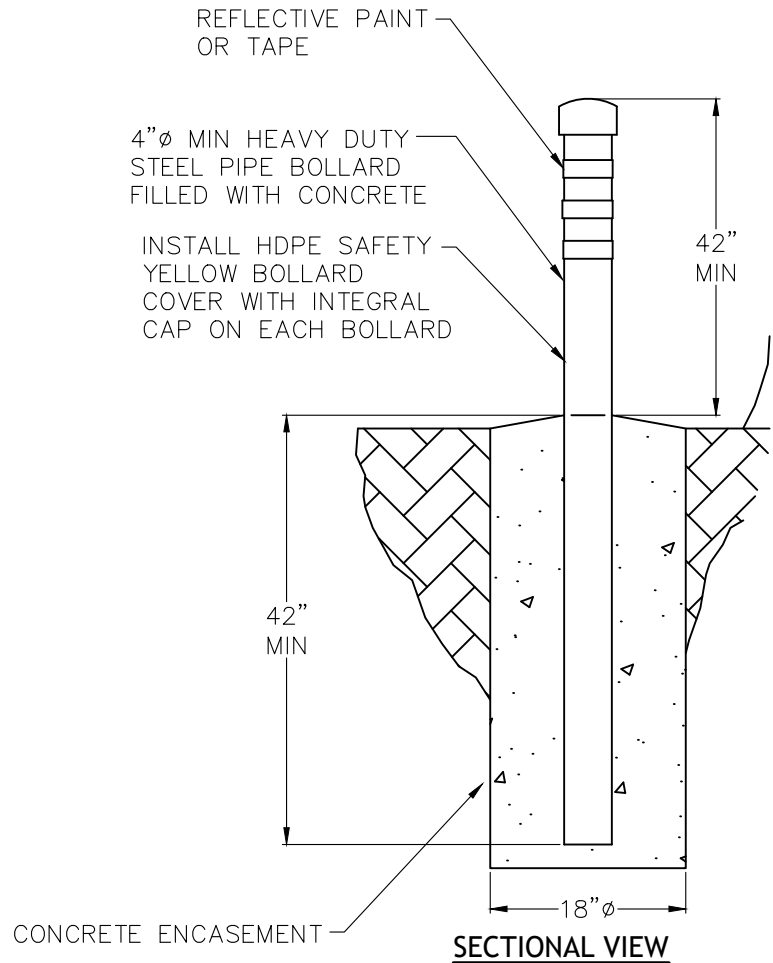
SCALE: NONE

SHEET 2 OF 2



PLAN VIEW

BOLLARD LOCATIONS ARE TYPICAL LOCATIONS. SEE NOTES #4 & #5.



NOTES

1. WHERE PAD MOUNTED EQUIPMENT WOULD BE EXPOSED TO POSSIBLE DAMAGE BY VEHICULAR TRAFFIC, PROTECTIVE BARRIERS ARE TO BE INSTALLED BY THE OWNER ON EXPOSED SIDES.
2. STEEL PIPES SHALL BE A MINIMUM DIAMETER OF 4" AND CONCRETE FILLED. SUCH PIPES SHALL EXTEND A MINIMUM OF 42" ABOVE AND BELOW GRADE. HEAVIER BARRIERS, SET DEEPER, SHALL BE USED WHERE PAD MOUNTED EQUIPMENT IS EXPOSED TO HEAVY TRUCKS OR TRAFFIC.
3. BARRIERS SHALL BE 42" MINIMUM FROM THE OPERATING SIDES OF THE EQUIPMENT OR PAD, WHICHEVER PROJECTS FURTHER. THE MINIMUM SPACING FROM NON-OPERATING SIDES OF THE EQUIPMENT PAD SHALL BE 12". THE MAXIMUM SPACING BETWEEN BARRIERS ON EXPOSED SIDES SHALL BE 60".
4. BOLLARD LOCATIONS SHOWN ARE TYPICAL LOCATIONS. FINAL LOCATION/AMOUNT TO BE DETERMINED BY BED ENGINEERING AND FIELD INSPECTOR.
5. LOCATION OF BOLLARDS SHALL NOT IMPEDE OPENING OF A DOOR 180° OR IMPEDE ELBOW OPERATION.

BURLINGTON ELECTRIC DEPT.

DISTRIBUTION STANDARDS

**BOLLARD
INSTALLATION**

DATE: 05/12/15

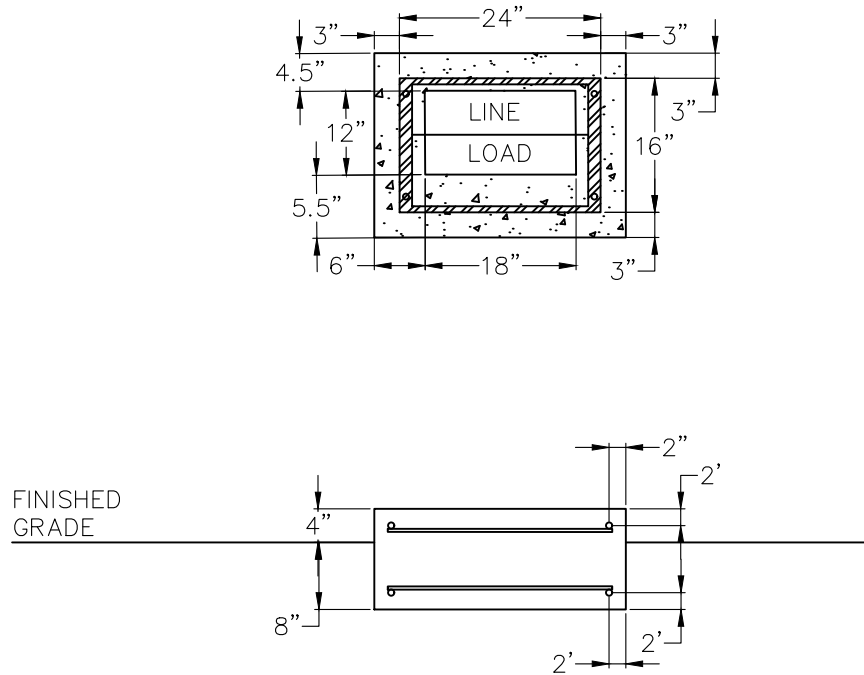
DWG. NO.: 162801

DWN BY: RG

APP. BY:

SCALE: NONE

SHEET 1 OF 1



NOTES

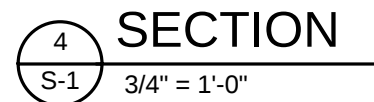
1. MOUNTING BASE TO BE INCASED IN CONCRETE SLAB, WITH TOP FLANGE OF BASE FLUSH WITH TOP OF PAD. WHEN CASTING, LEAVE MOUNTING HARDWARE INSTALLED IN MOUNTING BASE.
2. CONCRETE PAD TO EXTEND 8" BELOW GRADE AND A MINIMUM RISE 4" ABOVE GRADE.
3. STONE BASE FOR PAD TO BE 12" OF 3/4" CRUSHED STONE.
4. 36" MINIMUM CLEARANCE REQUIRED FOR FRONT OF METERING PEDESTALS PER NEC 110-16.
5. CABINET TO BE SECURED WITH STANDARD BED PADLOCK.
6. METER BREAKERS ARE LIMITED TO 14kA AIC RATING. SEE TABLE BELOW FOR PROPER CONDUCTOR LENGTH AND SIZE TO MEET AIC RATING.
7. INSTALL BOLLARDS PER BED STANDARD 1628 WHEN INSTALLED IN LOCATIONS NEAR VEHICLE TRAFFIC.
8. METER PEDESTAL SHALL HAVE (2) 8' GROUND RODS SEPARATED 6' APART AND CONNECTED WITH A CONTINUOUS RUN OF #4 STRANDED CU PER NEC STANDARDS.
9. CONCRETE PAD SHALL HAVE A 3/4" CHAMFER ON ALL SIDES.
10. CONCRETE PAD TO BE REINFORCED WITH (2) #6 REBAR RINGS AT 2" DEPTH FROM TOP AND BOTTOM OF PAD.

480Y/277V	MINIMUM CABLE LENGTH OF 4/0 AL (DISTANCE FROM TRANSFORMER TO METER CABINET)		
3Ø kVA	OH XFMR BANK	PADMOUNT XFMR	SUBMERSIBLE XFMR BANK
75	NO MIN	NO MIN	NO MIN
112.5	NO MIN	NO MIN	NO MIN
150	NO MIN	NO MIN	NO MIN
225	60'	70'	60'
300	100'	110'	100'
500	—	155'	150'
750	—	40'	120'
1000	—	85'	150'
1500	—	130'	—

BURLINGTON ELECTRIC DEPT. DISTRIBUTION STANDARDS

3Ø PAD MOUNTED METER PEDESTAL

DATE: 01/03/25	DWG. NO.: 162901
DWN BY: RG	APP. BY:
SCALE: NONE	SHEET 1 OF 1



ATTACHMENT E

Burlington Outsourcing Ordinance

Certification of Compliance with the City of Burlington's Outsourcing Ordinance

I, _____, on behalf of _____ (Contractor) and in connection with _____ (City contract/project/grant), hereby certify under oath that (1) Contractor shall comply with the City of Burlington's Outsourcing Ordinance (Ordinance §§ 21-90 – 21-93); (2) as a condition of entering into this contract or grant, Contractor confirms that the services provided under the above-referenced contract will be performed in the United States or Canada.

Dated at _____, Vermont this ____ day of _____, 20__ .

By: _____
Duly Authorized Agent

Subscribed and sworn to before me: _____
Notary

— A copy of the ordinance follows this Certification —

ATTACHMENT E – CONTINUED

NOTE: This ordinance only applies for contracts over \$50,000.

BURLINGTON'S OUTSOURCING ORDINANCE

ARTICLE VII. OUTSOURCING

21-90 Policy.

It is the policy of the City of Burlington to let service contracts to contractors, subcontractors and vendors who perform work in the United States.

(Ord. of 11-21-05/12-21-05)

21-91 Definitions.

- (a) *Contractor or vendor.* A person or entity that has a contract with the City of Burlington primarily for the furnishing of services (as opposed to the purchasing of goods), including any subcontractors of such contractor or vendor.
- (b) *Government funded project.* Any contract for services which involves any city funds and the total amount of the contract is fifty thousand dollars (\$50,000.00) or more. Burlington School Department contracts shall not be considered government funded projects under this article.
- (c) *Outsourcing.* The assigning or reassigning, directly, or indirectly through subcontracting, of services under a government funded project to workers performing the work outside of the United States.

(Ord. of 11-21-05/12-21-05)

21-92 Implementation.

- (a) No contract for a government funded project shall be let to any contractor, subcontractor, or vendor who is outsourcing, or causing the work to be performed outside of the United States or Canada.
- (b) Prior to the commencement of work on a government funded project a contractor, subcontractor or vendor shall provide written certification that the services provided under the contract will be performed in the United States or Canada.

(Ord. of 11-21-05/12-21-05)

21-93 Exemption.

An exemption from requirements of this article may be authorized by the chief administrative officer based upon a determination that the services to be performed for the government funded project are not available in the United States or Canada at a reasonable cost. Any such exemption decision by the chief administrative officer shall be reported to the board of finance in writing within five (5) days. The board of finance may, if it should vote to do so, override the exemption decision if such vote occurs within fourteen (14) days of the date of the chief administrative officer's communication to such board.

(Ord. of 11-21-05/12-21-05)

21-94 Enforcement.

(a) Any contractor, subcontractor or vendor who files false or materially misleading information in connection with an application, certification or request for information pursuant to the provisions of this article or outsources work on a government funded project shall be deemed to be in violation of this article.

(b) A violation of this article shall be a civil offense subject to a civil penalty of from one hundred dollars (\$100.00) to five hundred (\$500.00). All law enforcement officers and any other duly authorized municipal officials are authorized to issue a municipal complaint for a violation of this article. Each day any violation of any provision of this article shall continue shall constitute a separate violation.

(c) The City of Burlington shall have the right to modify, terminate and or seek specific performance of any contract for a government funded project if the contractor, subcontractor or vendor has not complied with this article.

(Ord. of 11-21-05/12-21-05)

21-95—21-99 Reserved.

ATTACHMENT F

Burlington Union Deterrence Ordinance

Certification of Compliance with the City of Burlington's
Union Deterrence Ordinance

I, _____, on behalf of _____ (Contractor)
and in connection with _____ (City contract/project/grant), hereby
certify under oath that _____ (Contractor) has not advised the conduct of
any illegal activity, it does not currently, nor will it over the life of the contract provide union deterrence
services in violation of the City's union deterrence ordinance.
Dated at _____, Vermont this _____ day of _____, 2018.

By: _____
Duly Authorized Agent

Subscribed and sworn to before me: _____
Notary

— A copy of the ordinance follows this Certification —

ATTACHMENT F – CONTINUED

BURLINGTON'S UNION DETERRENCE ORDINANCE

ARTICLE VIII. UNION DETERRENCE

21-100 Policy.

It is the policy of the City of Burlington to limit letting contracts to organizations that provide union deterrence services to other companies.
(Ord. of 3-27-06/4-26-06)

21-101 Definitions.

- (a) *Contractor or vendor.* A person or entity that has a contract with the City of Burlington primarily for the furnishing of services (as opposed to the purchasing of goods), including any subcontractors of such contractor or vendor.
- (b) *Government funded project.* Any contract for services which involves any City funds and the total amount of the contract is fifteen thousand dollars (\$15,000.00) or more. Burlington School Department contracts shall not be considered government funded projects under this article.
- (c) *Union deterrence services.* Services provided by a contractor, subcontractor or vendor that are not restricted to advice concerning what activities by an employer are prohibited and permitted by applicable laws and regulations, but extend beyond such legal advice to encouraging an employer to do any of the following:
 - 1) Hold captive audience, (i.e., mandatory) meetings with employees encouraging employees to vote against the union;
 - 2) Have supervisors force workers to meet individually with them to discuss the union;
 - 3) Imply to employees, whether through written or oral communication, that their employer may have to shut down or lay people off if the union wins the election;
 - 4) Discipline or fire workers for union activity;
 - 5) Train managers on how to dissuade employees from supporting the union.
- (d) *Substantial portion of income.* For the purposes of this article, substantial portion of income shall mean greater than ten (10) percent of annual gross revenues or one hundred thousand dollars (\$100,000.00), whichever is less.

(Ord. of 3-27-06/4-26-06)

21-102 Implementation.

- (a) No contract for a government funded project shall be let to any contractor, subcontractor, or vendor who
 - 1) Advises or has advised an employer to conduct any illegal activity in its dealings with a union.

- 2) Advertises union deterrence services as specialty services;
 - 3) Earns a substantial portion of its income by providing union deterrence services to other companies in order to defeat union organizing efforts.
- (b) Prior to the commencement of work on a government funded project a contractor, subcontractor or vendor shall provide written certification that it has not advised the conduct of any illegal activity, it does not currently, nor will it over the life of the contract provide union deterrence services in violation of this article.

(Ord. of 3-27-06/4-26-06)

21-103 Enforcement.

- (a) Any contractor, subcontractor or vendor who files false or materially misleading information in connection with an application, certification or request for information pursuant to the provisions of this article or provided union deterrence services during the life of a contract for a government funded project shall be deemed to be in violation of this article.
- (b) The City of Burlington shall have the right to modify, terminate and or seek specific performance of any contract for a government funded project if the contractor, subcontractor or vendor has not complied with this article.

(Ord. of 3-27-06/4-26-06)

21-104—21-110 Reserved.

Certification of Agreement to Comply with the City of Burlington's Livable Wage Ordinance

I, _____, on behalf of _____ ("the Contractor"), in connection with a contract for _____

services to be provided to the City of Burlington ("the City"), hereby certify, under oath, that the Contractor (and any of its subcontractors or subgrantees under this contract) shall comply with the City's Livable Wage Ordinance ("LWO"), B.C.O. 21-80 et seq., and that:

- (1) The Contractor shall pay all "covered employees" as defined by the LWO (including covered employees of subcontractors or subgrantees) a livable wage (as determined, or adjusted, annually by the City's chief administrative officer), and shall provide required paid time off for the term of the contract (*or the duration of the contracted project*);
 - (a) Employees are entitled to 12 days of paid time off per year, which may be prorated subject to B.C.O. Sec. 21-82(c); and
 - (b) For a covered employer that provides employer assisted health care, the livable wage shall be at least \$20.62 per hour; and
 - (d) For a covered employer that does not provide employer assisted health care, the livable wage shall be at least \$22.91 per hour.
- (2) The Contractor shall post a notice regarding the applicability of the LWO in the workplace or in other locations where covered employees normally work, and where such notice can be readily seen;
- (3) Upon request of the City's chief administrative officer, the Contractor, for itself and, as applicable, for any of its subcontractors or subgrantees, shall provide payroll records, health insurance enrollment records, and other relevant documentation, as deemed necessary by the chief administrative officer, within ten (10) business days from receipt of the City's request;
- (4) The Contractor shall cooperate in any investigation conducted pursuant to the LWO by the City's designated accountability monitors or the City's Office of City Attorney & Corporate Counsel;
- (5) The Contractor shall not retaliate, nor allow any of its subcontractors or subgrantees to retaliate, against an employee or other person because such employee or person has exercised rights or is planning to exercise rights protected under the LWO, or has cooperated in an investigation conducted pursuant to the LWO;
- (6) The Contractor is required to insert in all subcontracts the requirements of the LWO. The Contractor is liable for violations of the LWO committed by its covered subcontractors.

By signing below, I certify under the pains and penalties of perjury that I have personal knowledge of the foregoing or have made a reasonable inquiry therein, and that to the best of my knowledge and belief, the foregoing is true and correct. (See 13 V.S.A. 2904(b).)

Date: _____

By: _____
Contractor, or its duly authorized agent

IMPORTANT NOTE: Effective January 1, 2025, for covered employees not under a labor agreement and not working under an agreement subject to Davis-Bacon Act compliance for highway or heavy construction, if the contract or grant amount, inclusive of amendments, is \$50,000 or greater, the vendor is required to certify payroll with each invoice. An acceptable form of certification is attached. Backup documentation may be requested in connection with random compliance audits. Certification of subcontractor or subconsultant payroll is required only upon request.

City of Burlington, Vermont
Certified Payroll Record
Living Wage Ordinance, B.C.O. § 21-84(a)

B.C.O. Ch. 21, Art. VI



BURLINGTON
V E R M O N T

Instructions to Covered Employers: Use this form to report wages and benefits for covered employees, as defined in B.C.O. § 21-81(d). If three or fewer covered employees performed services pursuant to your agreement with the City of Burlington during the Reporting Period, then report information for each covered employee. If more than three covered employees performed services pursuant to your agreement with the City of Burlington during the Reporting Period, then report information for the three lowest paid covered employees only.

Reporting Period: from _____ (date) to _____ (date).

(Note: The Reporting Period should match the period covered by the invoice accompanying this Record.)

Employee No. 1

Initials, Last Four Digits of SSN, or other Unique Identifier: _____

Total Wages, Salary, and Tips Paid by Covered Employer During Reporting Period: _____

Total Number of Hours Worked for Covered Employer During Reporting Period: _____

Was the Covered Employee Provided Employer-provided Health Insurance as Specified in B.C.O. § 21-81(g)? Yes: _____ No: _____

Did the Covered Employer Offer Paid Time Off Pursuant to B.C.O. § 21-82(c)? Yes: _____ No: _____

Employee No. 2

Initials, Last Four Digits of SSN, or other Unique Identifier: _____

Total Wages, Salary, and Tips Paid by Covered Employer During Reporting Period: _____

Total Number of Hours Worked for Covered Employer During Reporting Period: _____

Was the Covered Employee Provided Employer-provided Health Insurance as Specified in B.C.O. § 21-81(g)? Yes: _____ No: _____

Did the Covered Employer Offer Paid Time Off Pursuant to B.C.O. § 21-82(c)? Yes: _____ No: _____

Employee No. 3

Initials, Last Four Digits of SSN, or other Unique Identifier: _____

Total Wages, Salary, and Tips Paid by Covered Employer During Reporting Period: _____

Total Number of Hours Worked for Covered Employer During Reporting Period: _____

Was the Covered Employee Provided Employer-provided Health Insurance as Specified in B.C.O. § 21-81(g)? Yes: _____ No: _____

Did the Covered Employer Offer Paid Time Off Pursuant to B.C.O. § 21-82(c)? Yes: _____ No: _____

I certify under the pains and penalties of perjury that I have personal knowledge of matters asserted herein or that I am readily familiar with, and have reviewed, the books and records of the covered employer, and that to the best of my knowledge and belief the foregoing is true and correct. I understand that the covered employer may be asked to provide reasonable backup documentation, which shall be provided upon request.

Authorized Representative: _____ Date: _____

Rights & Responsibilities

Under Burlington's Livable Wage Ordinance

\$20.62/hr

WHEN

employer *provides* employer assisted health insurance

\$22.91/hr

WHEN

employer *does not provide* employer assisted health insurance

and 12 days of paid time off per year*

*Subject to proration per B.C.O. Sec. 21-82(c)

The law requires employers to display this poster where employees can readily see it.

COVERAGE

Any employer who receives City contracts or grants totaling in excess of \$15,000 for any 12-month period is covered. Covered employees are entitled to livable wages, 12 days paid time off per year* for vacation, sick leave, or personal leave, and all rights under the Fair Labor Standards Act (FLSA), as well as other applicable state and federal laws.

Covered contractors are required to include in all subcontracts notice of the Livable Wage Ordinance (LWO), and are liable for LWO violations committed by their covered subcontractors.

ENFORCEMENT

The City is responsible for the administration of the LWO, and has the authority to recover back wages in instances of violations. Employers found in violation of the LWO may be assessed monetary penalties and be barred from future City contracts and grants. The law prohibits retaliation against workers who file a complaint or participate in any proceeding under the LWO.

ADDITIONAL INFORMATION

To obtain additional information about your rights and responsibilities under the LWO, visit the **LWO Webpage** (<https://www.burlingtonvt.gov/212/Livable-Wage-Ordinance>) or call 802-865-7000, option 1 (Office of the Clerk/Treasurer).

Livable Wage July 1, 2026 - June 30, 2027

Effective July 1, 2026

TERMS and CONDITIONS

1. These Terms and Conditions, together with the purchase order and/or contract issued by the Burlington Electric Department's (B.E.D.) Purchasing Office, constitute the entire agreement between B.E.D. and the supplier/contractor. Any modification to said agreement shall be submitted in writing by the party seeking said modification, to the other party. Said modification shall be agreed upon in writing by both parties in order for it to be enforceable. Absent said written modification, this form and said purchase order shall exclusively control the terms of the agreement between the parties.
2. Except as herein provided, no purchases ordered by unauthorized individuals shall be enforceable against B.E.D. Only individuals expressly designated as those vested with the authority to purchase on behalf of B.E.D. shall be considered persons possessing binding purchasing authority. Agreements entered into with unauthorized individuals shall be void and B.E.D. shall not be liable for any such unauthorized agreements.
3. Sellers, suppliers and contractors shall not assign, delegate, transfer, convey, sublet, or otherwise dispose of their rights, titles, interests or obligations under this contract, or their power to execute such contract to any other person, firm or corporation, without the previous written consent of B.E.D.'s Purchasing Office.
4. The parties to this agreement hereby agree that this contract is subject to the laws of the State of Vermont. The parties to this agreement further agree that Vermont's version of the Uniform Commercial Code, found in Title 9A of Vermont Statutes Annotated, shall apply.
5. B.E.D. may return any materials which are defective, unsatisfactory, or of inferior quality or workmanship, or fail to meet specifications or other requirements of this order.
6. B.E.D. reserves the right to cancel this order if goods are not shipped as directed. B.E.D. reserves the right to terminate its obligations under this order or any part hereof if any delivery/awarded service is not made in the time provided or, if no time is specified, within a reasonable time or if the material that is delivered/service provided is not as specified.
7. Seller shall ship in accordance with any instructions from B.E.D. and the requirements of common carriers to secure the lowest transportation costs. No shipments are to be made C.O.D., nor shall any such shipments be accepted. When goods or materials are shipped F.O.B. point of shipment, all freight charges are to be PREPAID by the Seller and added to the invoice total. An original copy of paid express or freight bill shall be attached to the invoice.
8. Seller shall furnish a packing slip with all shipments showing the purchase order number, seller name, catalog numbers, quantities (including back orders) and a full description of materials shipped.
9. Contractor shall furnish current Certificate of Insurance as outlined by B.E.D.'s Insurance Requirement Contractor's Order, a copy of which will be provided by B.E.D.'s Purchasing Office to the Seller. Such evidence of insurance shall be received at B.E.D. before the commencement of work, or Purchase Order and/or Contract is awarded, whichever is sooner, and such insurance shall be maintained throughout the duration of awarded contract. Seller shall be liable for any and/or all damages/claims (including but not limited to bodily/personal injury, property damage, loss of income, business interruption, or wrongful death), while performing or as a result of work assigned/related to the awarded contract.
10. The contractor shall be responsible for ensuring that all utilities are properly located, marked and identified through utilization of, and compliance with, the requirements of the "Dig Safe" program (30 V.S.A. §7001 et seq. and Vermont P.S.B. Rule 3.800). Contractor is responsible for working around existing utilities and agrees to indemnify and hold B.E.D. harmless for any damages to such utilities except for such damages whose sole proximate cause is due to negligence by B.E.D.
11. Seller shall follow all B.E.D. Safety Rules, a copy of which shall be provided, as well as follow good utility practices on details not covered in specification documents with preference given to B.E.D. Standard practices if suitable. Seller is responsible for following all applicable EPA/VOSHA/OSHA/NESC and NEC rules and regulations.
12. When the contract is awarded to provide services, the cost of service shall be a fixed fee or a time and material basis with a Not To Exceed amount. Expenses shall be billed at cost unless otherwise specified on the awarded contract. Seller shall furnish an invoice detailing Purchase Order number, scope of work, mileage and other expenses. If the contract is awarded on a time and material basis, the invoice shall also include dates worked, name of personnel, number of labor hours worked (traveled if chargeable), rate per hour and total labor, equipment rental hours and rates and materials. Seller shall be responsible to obtain all necessary permits and copies shall be furnished with each invoice. Seller shall also furnish documentation of all reimbursable expenses with each invoice.
13. Unless otherwise specified, payments shall be made on partial deliveries accepted by B.E.D. when the amount due on such deliveries so warrants. Progressive billing for services rendered shall be accepted unless fixed fee is quoted. Where there is a question of non-performance involved, payment in whole or part against which to charge back any adjustment required, shall be withheld. In the event cash discount is involved, the withholding of payment as provided herein shall not deprive B.E.D. from taking such discount.
14. In accordance with city regulations, invoices for completed purchase orders must be received by B.E.D.'s Accounts Payable by the 27th of each month to assure payment by approximately the 15th of the following month. Invoices received after that date shall be carried forward to the following month.
15. **All invoices shall be mailed to the ATTENTION of B.E.D.'s Accounts Payable.** Inquiries regarding the status of unpaid invoices shall likewise be directed to B.E.D.'s Accounts Payable.

BURLINGTON ELECTRIC DEPARTMENT (B.E.D.)

MINIMUM INSURANCE REQUIREMENTS: TYPE 3 Contractor's Order

- 1.1** Contractor shall purchase and maintain insurance coverage for not less than the following limits:

	<u>COVERAGE</u>	<u>MINIMUM LIMIT</u>
a.	Commercial General Liability: Bodily Injury and Property Damage	\$1,000,000 each occurrence \$2,000,000 in aggregate
c.	Automobile Liability: Bodily Injury and Property Damage	\$1,000,000 combined single limit
d.	Workers' Compensation and Employers Liability: WC: Statutory coverage EL: \$500,000 each accident \$500,000 each employee \$500,000 policy limit	
e.	Cyber Liability: Each Claim/Event Aggregate limit	\$2,000,000 each claim \$2,000,000 each event

- 1.2** Contractor shall purchase and maintain such comprehensive general liability and other insurance as set forth above which will provide protection from claims arising from the result of Contractor's performance and furnishing of services outlined in the awarded Purchase Order and/or Contract, whether it is performed or furnished by Contractor or by anyone directly or indirectly employed by the Contractor to perform or furnish any of the work outlined in the Purchase Order and/or Contract. The Contractor shall hold B.E.D. harmless for any and all damages/claims (including but not limited to bodily/personal injury, property damage, loss of income, business interruption, or wrongful death), while performing or as a result of, work assigned/related to the awarded contract.
- 1.3** Contractor shall provide B.E.D. with a certificate of insurance for coverages set forth above which shall not be subject to cancellation without at least thirty (30) days advance written notice to B.E.D. Such evidence of insurance shall be received at B.E.D. before the commencement of work, or Purchase Order and/or Contract is awarded, whichever is sooner, and such insurance shall be maintained throughout the duration of awarded contract. Forward certificate of insurance to Burlington Electric Department, 585 Pine St., Burlington, VT 05401, Attention: Director of Purchasing & Facilities.
- 1.4** Any claim in excess of limits set forth above or which are not covered by the Contractor's comprehensive general liability, automobile liability, or worker's compensation insurance are the sole responsibility of the Contractor.
- 1.5** B.E.D. and/or any affiliated or subsidiary companies shall be recognized as additional insureds with respect to all insurance **except Professional Liability**. Coverage provided by the contractor shall be primary to any other valid and collectible insurance available with respect to B.E.D. as additional insured.

Revised 8-22-25