VERMONT COORDINATE SYSTEM OF 1983 (HORIZONTAL) AND NAVD88 (VERTICAL) INTENDED TO BE USED AS ONE.
PROPERTY LINE INFORMATION SHOWN IS BASED ON ANALYSIS OF DEEDS & DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER. THE CONTRACTOR SHALL LOCATED UPON OR ADJACENT TO THE SURVEYED PREMISES. EXISTING UTILITY SITE INFORMATION IS BASED ON A FIELD SURVEY PERFORMED BY CIVIL ENGINEERING ZONING REQUIREMENTS:

- PAVEMENT
  - 4" x 4" CMF
- UTILITIES
  - 0.2 BG
- 234.1 +
- 236.8 +
- 234.2 +
- 10'±
- UE
- OE
- 2 BOLE
- GARDENS
- EX. TRASH
- GATE
- OE
- 237.3 +
- EXISTING GRAVEL PARKING
- CONC. WALKWAY
- 18" ASH
- EX. PAVEMENT
- 24" DECIDUOUS
- GAS VALVE?
- "VAN ACCESSIBLE"
- EX. ADA SIGN
- EXISTING BUILDING
- T
- OE
- 234.8 +
- 100
- GATE
- PICKET FNC.
- UE
- S
- S
- G
- 239.5 +
- EXISTING GRAVITY SEWER
- PLANTER
- VAULT
- EXISTING COM.
- EXISTING DECIDUOUS TREE
- EXISTING SIGN
- EXISTING GUY WIRE/POLE
- EXISTING LIGHT POLE
- EXISTING SHUT OFF
- EXISTING ELECTRIC MANHOLE
- EXISTING TELEPHONE MANHOLE
- EXISTING DUG OUT
- EXISTING SHED
- EXISTING GARAGE
- EXISTING MINOR
- EXISTING SWIMMING POOL
- EXISTING SUMP PUMP
- EXISTING IN-GROUND TREE
- HIGH ROOFER HOUSE
- CONCRETE Mainsport Field

LOCATION MAP
EXISTING CONDITIONS PLAN

C.O.T.S.
Main Street Shelter
278 MAIN STREET
CITY OF BURLINGTON, VT

CONSOLIDATED COMMUNICATIONS

NOTES:
1. INFORMATION IS BASED ON A FIELD SURVEY PERFORMED BY CIVIL ENGINEERING ASSOCIATES, INC. DURING EXISTING SURVEY. SURVEY INFORMATION IS TO BE TAKEN AS AN ACCURATE BASIS FOR LOCAL AND REGIONAL ISSUES.
2. UTILITIES SHOWN DO NOT CONSTITUTE OR IMPLY ANY REPRESENTATION OR GUARANTEE AS TO THE LOCATION OF UTILITIES. IN ACCORDANCE WITH LAW, CIVIL ENGINEERING ASSOCIATES, INC. DISCLAIMS ANY AND ALL RESPONSIBILITY FOR THE LOCATION OF UTILITIES WHICH CANNOT BE CONFIRMED WITH ACCURATE SURVEY INFORMATION.
3. CONTRACTOR MAY USE THIS SURVEY FOR PRELIMINARY CONSTRUCTION PURPOSES. OFFICIAL SURVEY LEGENDS SHOWN IN APPEARANCE BASED ON SURVEY CONDITIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY ALL SURVEY INFORMATION BEFORE PROCEEDING WITH WORK.
4. INFORMATION SHOWN IS BASED ON METHODS USED AND WILL BE UP TO THE CONTRACTOR TO VERIFY ADEQUATELY.
5. EXISTING UTILITY INFORMATION SHOWN IS BASED ON METHODS USED. A VERIFICATION OF INFORMATION IS RECOMMENDED. THIS PLAN IS NOT A BOUNDARY SURVEY AND IS NOT INTENDED FOR USE OTHER THAN FOR CONTRACTOR'S USE.
6. THIS PROPERTY IS LOCATED IN THE RESIDENTIAL/LOW-DENSITY ZONE DISTRICT (R1D)
2. The Contractor shall repair/restore all disturbed areas to the Owner at the completion of the project.

3. The Contractor shall maintain as-built plans (with ties) for underground utilities prior to start of any excavation.

4. Utilities shown do not purport to constitute or represent or directed by the Engineer.

5. All grassed areas shall be maintained until full vegetation is established.

6. All existing utilities not incorporated into the final design shall be located by a private utility locating firm to locate Owner owned utilities. Discrepancies shall be reported to the Engineer. The Engineer shall be directed by the Owner at all times. The Paving shall be the Contractor's responsibility.

7. The Tolerance for finish grades for all pavement, walkways and materials incorporated into the site work. Work shall be performed in accordance with the grading plans.

8. Realign Ex. pavement.

9. The Contractor shall submit shop drawings for all items shown.

10. The Contractor shall be responsible for all work directed by the Engineer.

11. All existing manhole covers, valves, curb stops and other appurtenances to be maintained by the Owner at all times.

12. In the event of any discrepancies, differences with the plans, the plans shall control. The Contractor shall comply with the plans or specifications. The Contractor shall complete the work in accordance with the plans and specifications. The Contractor shall construct the work in accordance with the specifications.

13. The Contractor shall coordinate all work within the Town of Burlington, VT. The Contractor shall be responsible for all work directed by the Engineer.

14. The Pavement shall be 4" x 4" CMF.

15. The Contractor shall maintain as-built plans (with ties) for underground utilities prior to start of any excavation.

16. The Contractor shall coordinate all work within the Town of Burlington, VT. The Contractor shall be responsible for all work directed by the Engineer.

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1. All erosion and sediment control devices must be installed and stabilized BEFORE THE START OF CONSTRUCTION.
2. Loose, seed and mulch-all disturbed areas (TP)
3. Install temporary stabilization of disturbed soils through the use of temporary erosion control mats or straw. Mulch no more than 7 days after work has ceased in a particular area.
4. Slopes 1:5 (1' drop to 1' rise) for erosion control matting.
5. Maximum amount of disturbed soils to be limited to no more than 3 acres.
6. Silt fence contributory area to be limited to 0.4 acre - 160' L.P.
7. Soil information provided by Natural Resources Conservation Services WEB Soil Survey 09/13/2021

Construction Vehicles:
- Do not park construction vehicles on city owned green space. Vehicles disturb vegetation and compact the soil, thereby reducing its ability to infiltrate stormwater. Any green-belt disturbance will need to be permanently stabilized.
- Prevent sediment from leaving the project by cleaning the tires of vehicles, or use clean gravel at project access points to clean tires.
- Clear city streets, sidewalks and bike paths daily or as needed to remove sediment transported from the project.

Tree Protection (TP)
- Tree fences may be either of high tensile wire, 37 gauge or no more than a minimum of 250msi.
- Construct tree fences in an area of minimum potential disturbance to underground utilities.
- Signage must be maintained at fence line, and adjacent areas, if applicable, to prevent disturbance to underground utilities.
1. Minimize the exposure of the following to precipitation and to stormwater: building materials, or more than 1 or more acres.

Requirements for Final Stabilization:
Plan ahead and phase the construction activities to ensure that no more than the permitted 1.

How to install:

Requirements for Temporary Stabilization:

Specific BMP's which are critical to allowing the project to be considered a Low Risk site include the  


Oct. 15 - April 15 -- Straw: 2 inch deep (2-4 bales/1,000 s.f.)

Straw Mulch

Limit the amount of disturbed earth to two acres or less at any one time.

Remove the track-out by sweeping, shoveling, or vacuuming these surfaces, or by using other  

herbicides, detergents, sanitary waste, and other materials present on the site.

similarly effective means of sediment removal.

It is the responsibility of the Contractor to implement the necessary BMP's to comply with the Low  

The following narrative and implementation requirements represent the minimum standard for  

Remove all sediment accumulated behind the check dams and dispose of in an upland location.

If there is a concentrated flow (e.g. in a ditch or channel) of stormwater on your site, then you are  

Inlet Protection Installation:

Requirements:

Perimeter controls must be installed:

Water bars should have stable outlets, either natural or constructed. The spacing should follow  

These can be constructed per the following detail, with side slopes no steeper than 4:1 where  

Concrete Washout Maintenance:

Stormwater and groundwater from dewatering activities shall be uncontaminated and shall be  

To minimize and prevent discharges of sediment as a result of dewatering activities.

Requirements:

Ensure stakes are on the downhill side of the fence

Install multiple rows of perimeter control on long slopes to intercept flow.

Maximum drainage area is ¼ acre for 100 feet of silt fence and erosion control berm.

Requirements:

Ensure that there is no erosion stabilization.

Ensure the berm drains to an outlet stabilized with riprap. Ensure that there is no erosion stabilization.

Additional narrative and implementation requirements are provided below. These requirements are  

Earthen check dams are flood control devices used to hold water temporarily and provide  

Earth check dams are flood control devices used to hold water temporarily and provide  

It is recommended that check dams be constructed at the same time as the construction of the  

Check dams are often required for a project because the elevation of the existing water table  

Check dams are often required for a project because the elevation of the existing water table  

Chainsaw, in some cases, can be used to clear the vegetation cover.
**Site Details**

**Civil Engineering Associates, Inc.**
10 Mansfield View Lane, South Burlington, VT 05403
P: 802-864-2323     FAX: 802-864-2271    web: www.cea-vt.com

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**Committee on Temporary Shelter**
P.O. Box 1616
Burlington, VT 05402

**Main Street Shelter**
278 Main Street
City of Burlington, VT

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**Typical Pavement Section**

- **S-002b** Bit Conc Walk
  - 6" Bitumen Topcoat, Seed, and Gravel
  - 6" Bitumen Topcoat, Seed, and Gravel
  - 6" Bitumen Topcoat, Seed, and Gravel
  - Undisturbed Soil or Approved Compacted Granular Fill
  - Drainage Geotextile

**Bituminous Concrete Sidewalk Detail**

- **S-002b** Bit Conc Sidewalk
  - 6" Bitumen Topcoat, Seed, and Gravel
  - 6" Bitumen Topcoat, Seed, and Gravel
  - 6" Bitumen Topcoat, Seed, and Gravel
  - Undisturbed Soil on Approved Compacted Granular Fill
  - Drainage Geotextile

**MEP Site Pad Detail**

- **M-017** MEP Pad
  - 4" Reinforced Concrete Pad
  - 4" Reinforced Concrete Pad
  - 4" Reinforced Concrete Pad
  - Undisturbed Soil or Approved Compacted Granular Fill
  - 4" Reinforced Concrete Pad

**Bollard Detail**

- **S-011** Bollard
  - 18"Ø Concrete Filled Sono Tube
  - 6"Ø Steel Pipe (Standard / Shop Primed)

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**Line Striping Detail**

- **S-015** Parking Space Striping
  - 5' x 8' x 18'
  - 4" White Painted Markings
  - 9' x 18'

**Accessible Parking Marking Detail**

- **S-015a** HC Pave Marking
  - 3'-6" Width

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**NOTE:**

- Coordinate required size and location(s) with MEP plans and shop drawings.
- Provide yellow Grainger bollard cover or approved equal (confirm color selection with architect or owner).