



Truro Select Board Remote Meeting

Tuesday, March 21, 2023

Executive Session-1:00PM

Regular Meeting-2:00PM

via GoToMeeting

EXECUTIVE SESSION

<https://meet.goto.com/351013261>

1-866-899-4679 Access Code: 351-013-261

This will be a remote meeting. The meeting will begin in open session solely for the purpose of moving, as set forth below, to enter into Executive Session. The meeting will be locked and closed to the public once the Board votes to enter into Executive Session.

Move that the Select Board enter into Executive Session for the following purposes:

- (1) in accordance with the provisions of Massachusetts General Law, Chapter 30A, §21 (a) 3, to discuss strategy with respect to collective bargaining (American Federation Of State, County And Municipal Employees, Council 93, Local 1462) and the chair so declares; and not to reconvene in open session.*

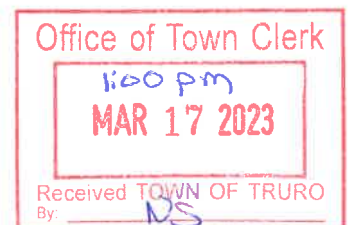
REGULAR MEETING

<https://meet.goto.com/674506181>

1-877-899-4679 Access Code: 674-506-181

This will be a remote meeting. Citizens can view the meeting on Channel 18 in Truro and on the web on the "Truro TV Channel 18" button under "Helpful Links" on the homepage of the Town of Truro website. Click on the green "Watch" button in the upper right of the page. **To provide comment during the meeting please call-in toll free at 1-877-899-4679 and enter the following access code when prompted: 674-506-181 or you may join the meeting from a computer, tablet or smartphone by entering the follow URL into your web browser:** <https://meet.goto.com/674506181> Please note that there may be a slight delay (15-30 seconds) between the meeting and the live-stream (and television broadcast). If you are watching the meeting and calling in, please lower the volume on your computer or television during public comment so that you may be heard clearly. We ask that you identify yourself when calling in to help us manage multiple callers effectively.

1. PUBLIC COMMENT
2. PUBLIC HEARINGS—NONE
3. INTRODUCTION TO NEW EMPLOYEES—NONE
4. BOARD/COMMITTEE/COMMISSION APPOINTMENTS—NONE
5. TABLED ITEMS – None
6. **SELECT BOARD ACTION**
 - A. Charging Station Site Approval for 311 Shore Road and 36 Shore Road
Presenter: Jarrod Cabral, Public Works Director
 - B. Select Board Reconsideration of Votes to Recommend Warrant Articles



Presenter: Kristen Reed, Chair

- C. Discussion and Approval of Revised Charge of Charter Review Committee
Presenter: Kristen Reed, Chair and Liaison to the Charter Review Committee
A quorum of the Charter Review Committee may be present
- D. Discussion and Possible Votes on Warrant Articles- Charter Review Committee Recommendations
Presenter: Darrin Tangeman, Town Manager
A quorum of the Charter Review Committee may be present
- E. Discussion and Possible Votes on Warrant Articles- Override Articles
Presenter: Darrin Tangeman, Town Manager
- F. Discussion and Possible Votes on Warrant Articles- Petitioned Articles
Presenter: Darrin Tangeman, Town Manager
- G. Discussion and Possible Votes on Warrant Articles- Zoning Articles
Presenter: Darrin Tangeman, Town Manager
- H. Discussion and Possible Votes on Warrant Articles- All Other
Presenter: Darrin Tangeman, Town Manager
- I. Review and Approve Revised Select Board Policy Memorandum #48: Construction/Staging Permit for Use of Town-Owned Property and/or Beach Access
Presenter: Emily Beebe, Health & Conservation Agent

7. STAFF/ COMMITTEE UPDATES

- A. Mill Pond Road Frequently Asked Questions
Presenter: Jarrod Cabral, Public Works Director

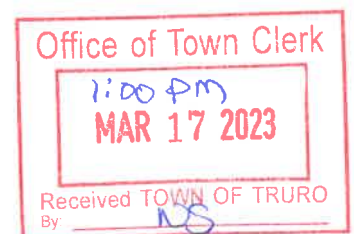
8. CONSENT AGENDA

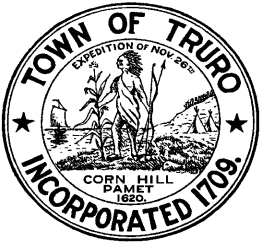
- A. Review/Approve and Authorize Signature: None
 - 1. Application for Permit for Organized Bike Ride: Harbor to the Bay
- B. Review and Approve Appointment Renewals: None
- C. Review and Approve Select Board Minutes: Budget Task Force Meeting Minutes of 1.17.2023; Budget Task Force Meeting Minutes of 1.24.2023; Budget Task Force Meeting Minutes of 2.14.2023

9. Select Board Reports/Comments

10. Town Manager Report

11. Next Meeting Agenda: March 28, 2023





TOWN OF TRURO

Select Board Agenda Item

DEPARTMENT: DPW

REQUESTOR: Jarrod J. Cabral

REQUESTED MEETING DATE: March 21, 2023

ITEM: Charging Station Site Approval

EXPLANATION: Eversource has initiated phase two of the make ready program for funding the base infrastructure for charging stations. Eversource has evaluated and approved three locations, and prepared conceptual design plans for your review. As the Select Board is the Custodian of all Town property, staff requests that the Board approve the sites for the installation of charging stations to be located at 311 Shore Road, Truro Center Rd Parking lot, and 36 Shore Rd.

FINANCIAL SOURCE (IF APPLICABLE): Base infrastructure funded by Eversource.

IMPACT IF NOT APPROVED: Charging stations will not be installed.

SUGGESTED ACTION: *Motion to approve the charging station locations for 311 Shore Road, Truro Center Rd parking lot, and 36 Shore Rd.*

ATTACHMENTS:

1. Conceptual design plans for three locations are attached.

EVERSOURCE ENERGY

ELECTRIC VEHICLE CHARGING STATIONS
 SITE NAME: TRURO DPW, 11 CENTER ROAD, TRURO, MA 02666
 SITE TYPE: EV INFRASTRUCTURE ELECTRICAL OPTION 3
 JURISDICTION: BARNSTABLE COUNTY

EVERSOURCE APPROVED

NAME: _____
 SIGNED: _____
 DATE: _____

CLIENT/OWNER APPROVED

NAME: _____
 SIGNED: _____
 DATE: _____

CLIENT POST CONSTRUCTION APPROVED

NAME: _____
 SIGNED: _____
 DATE: _____



1 Westinghouse Plaza,
 Suite D6, Boston,
 Massachusetts, 02136
 +1 617-361-6700



800 Boylston St,
 Boston,
 Massachusetts, 02199
 +1 800-592-2000

PROJECT NO: 10-19-0005.536
 DRAWN BY: T.R.
 CHECKED BY: D.C.

| REV | DATE | DESCRIPTION |
|-----|------------|-------------------|
| 1 | 12/16/2022 | ISSUED FOR REVIEW |
| 0 | 11/11/2022 | ISSUED FOR REVIEW |

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

TRURO DPW, 11
 CENTER ROAD, TRURO,
 MA 02666
 ELECTRIC VEHICLE
 CHARGING STATIONS

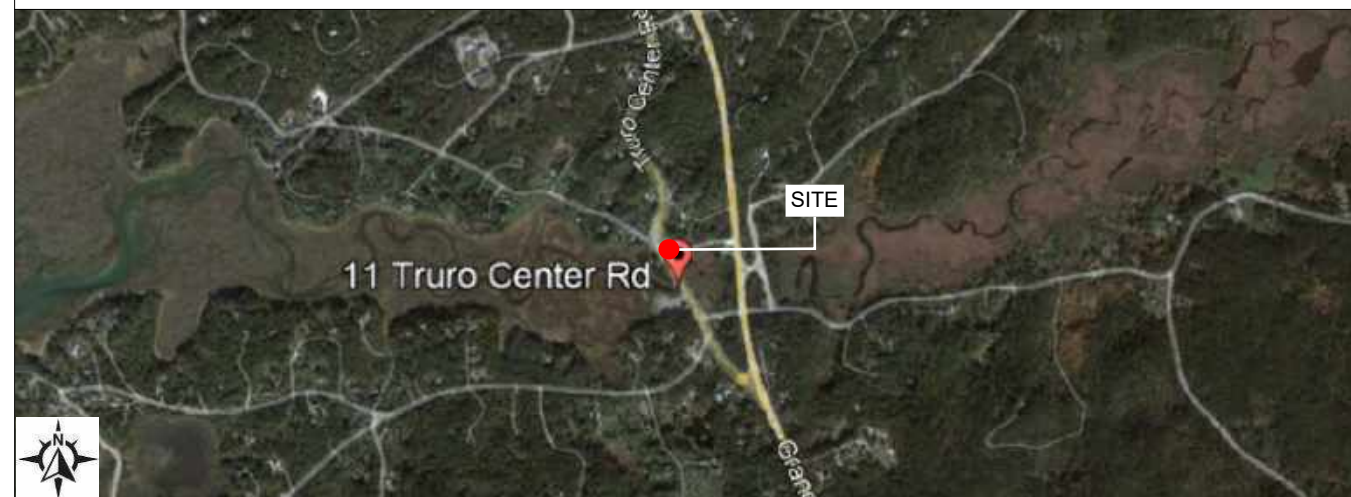
SHEET TITLE
**TITLE SHEET
 & PROJECT DATA**

SHEET NUMBER
T-1

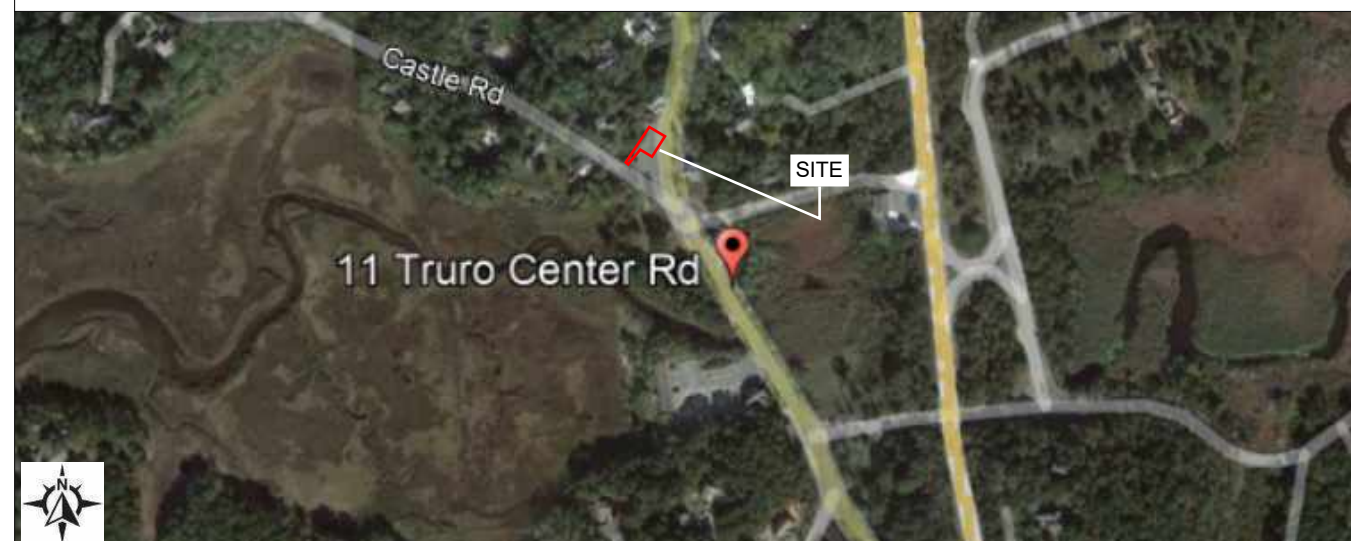
SITE INFORMATION

PROPOSED EV SITE ADDRESS: 11 CENTER ROAD, TRURO, MA 02666
 PROPERTY OWNER: TRURO DPW
 EQUIPMENT SUPPLIER: MERRIMAC INDUSTRIAL
 POWER COMPANY: EVERSOURCE ENERGY
 JURISDICTION: BARNSTABLE COUNTY
 LATITUDE: 41°59'39.14"N
 LONGITUDE: 70° 3'1.68"W
 CONTACT ENGINEER: SEAN TULLY
 EVERSOURCE SUPPLY TRANSFORMER: #7/2
 EVERSOURCE WO#: TBD

AREA MAP



LOCATION MAP



IMPORTANT SITE NOTES

THE EXISTING CONDITIONS REPRESENTED HEREIN ARE BASED ON VISUAL OBSERVATIONS AND INFORMATION PROVIDED BY OTHERS. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. REPORT ALL CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION.

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK

SCOPE OF WORK

MAKE READY INSTALLATION FOR ELECTRIC VEHICLE CHARGING STATIONS AND ASSOCIATED SUPPORT EQUIPMENT AT GROUND AND UNDERGROUND LEVEL

APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES: MA STATE BUILDING CODE, 9TH EDITION
 MA STATE PLUMBING CODE
 MA STATE MECHANICAL CODE
 MA ELECTRICAL CODE
 MA FIRE PREVENTION REGULATIONS
 IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL

DRAWING INDEX

| SHEET NO. | SHEET TITLE |
|-----------|----------------------------------|
| T-1 | TITLE SHEET & PROJECT DATA |
| C-1 | AERIAL SITE VIEW |
| C-2 | PROPOSED GROUND LEVEL SITE VIEW |
| C-3 | PROPOSED SITE PLAN |
| C-4 | EVERSOURCE SKETCH |
| D-1 | INSTALLATION DETAILS |
| L-1 | LEGEND AND NOTES |
| E-1 | EV INFRASTRUCTURE RISER DIAGRAMS |
| E-2 | EV INFRASTRUCTURE RISER DIAGRAMS |
| E-3 | ELECTRICAL DETAILS SHEET 1 |
| E-4 | ELECTRICAL DETAILS SHEET 2 |
| E-5 | ELECTRICAL DETAILS SHEET 3 |
| E-6 | ELECTRICAL DETAILS SHEET 4 |
| E-7 | ELECTRICAL DETAILS SHEET 5 |
| GN-1 | GENERAL NOTES |
| GN-2 | GENERAL NOTES |
| GN-3 | GENERAL NOTES |

ARCHITECT/ENGINEER



One Westinghouse Plaza,
 Suite D6, Boston,
 Massachusetts, 02136



MM MAVERICK

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Suite D6, Boston,
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+1 617-361-6700

EVERSOURCE
ENERGY

800 Boylston St,
Boston,
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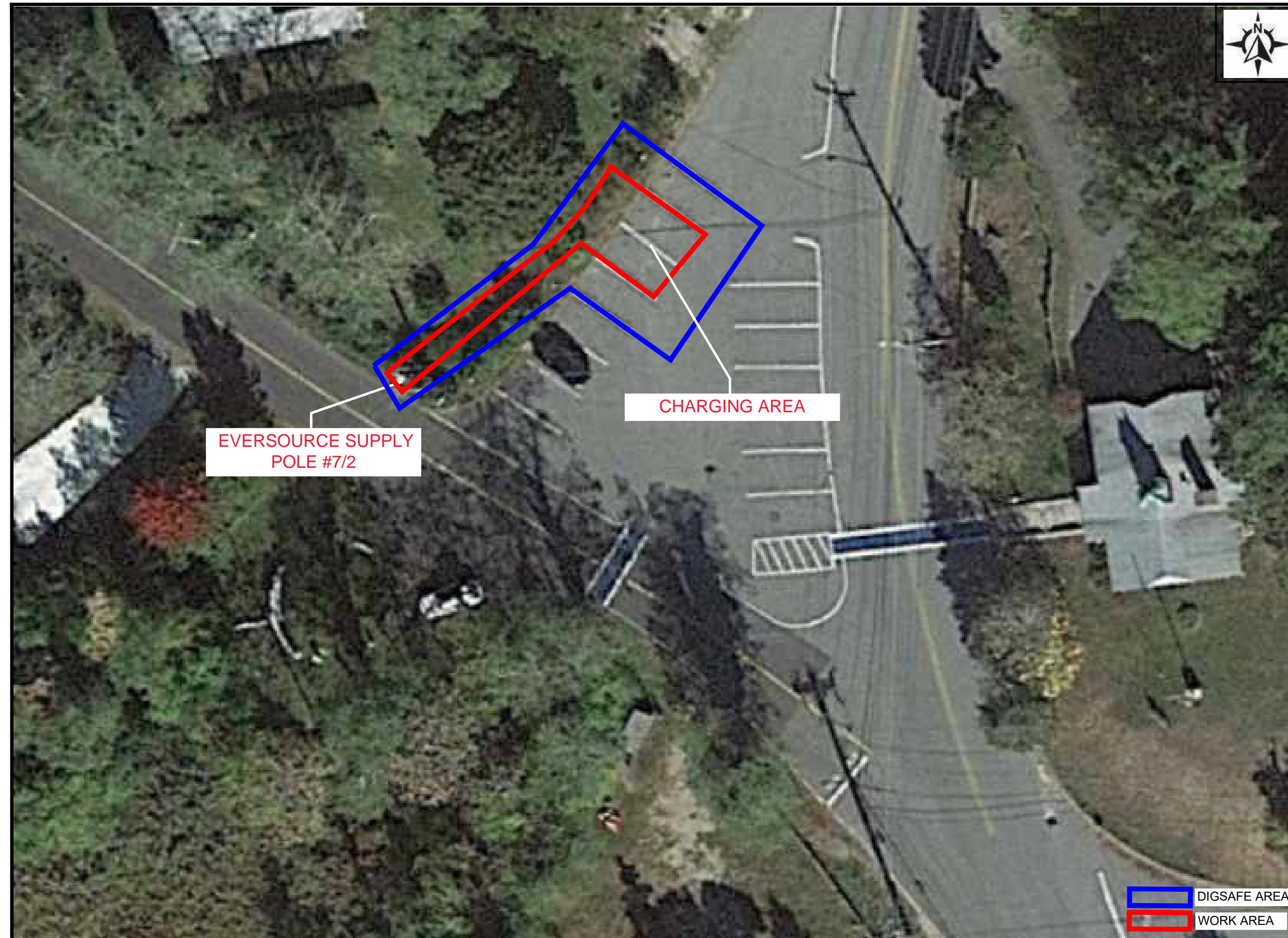
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TRURO DPW, 11
CENTER ROAD, TRURO,
MA 02666

ELECTRIC VEHICLE
CHARGING STATIONS



SHEET TITLE
AERIAL SITE VIEW

SHEET NUMBER
C-1

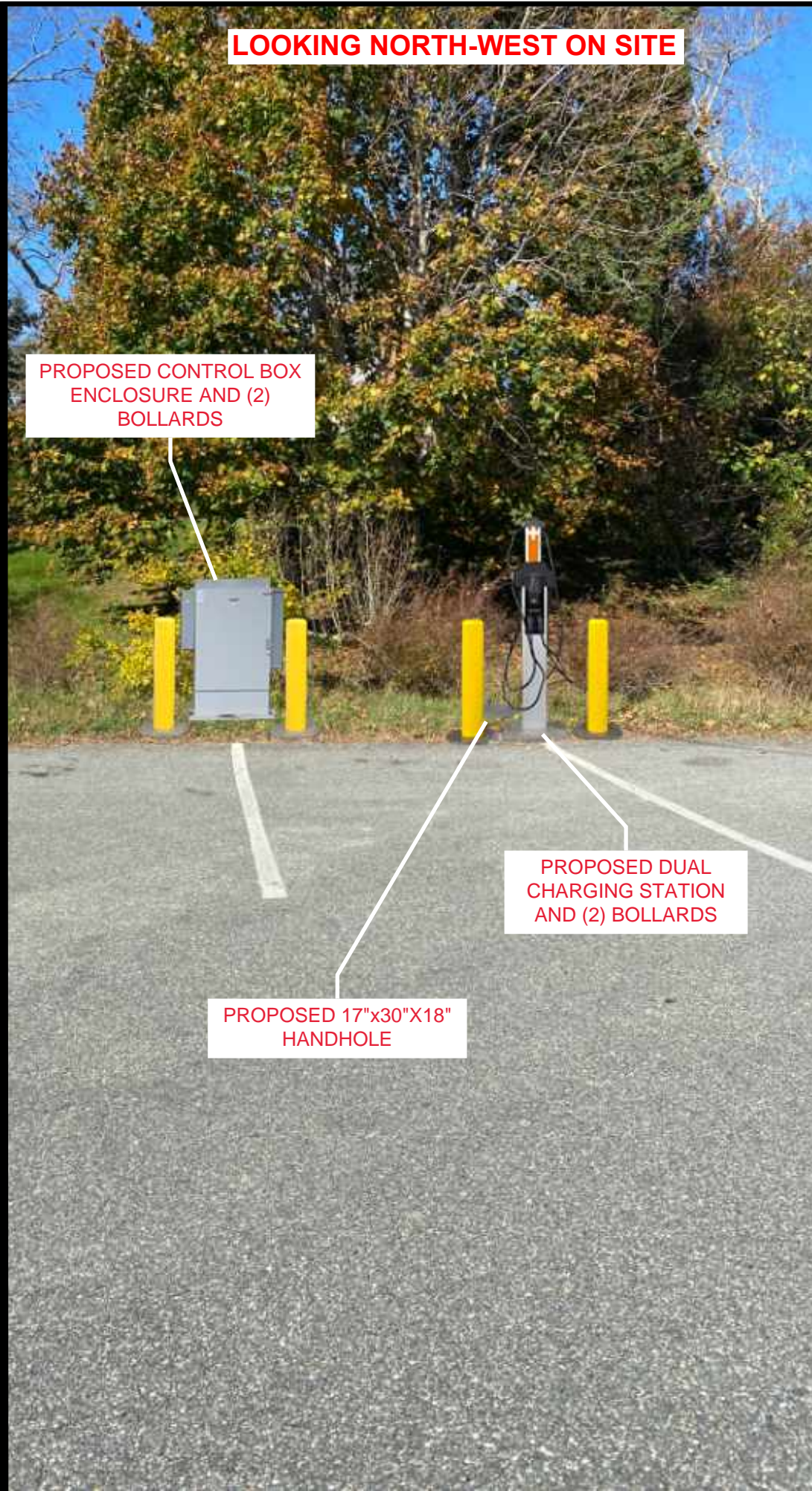


**EVERSOURCE SUPPLY
POLE #7/2**

CHARGING AREA

 DIGSAFE AREA
 WORK AREA

LOOKING NORTH-WEST ON SITE



**PROPOSED CONTROL BOX
ENCLOSURE AND (2)
BOLLARDS**

**PROPOSED DUAL
CHARGING STATION
AND (2) BOLLARDS**

**PROPOSED 17"x30"x18"
HANDHOLE**



1 Westinghouse Plaza,
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MA 02666

ELECTRIC VEHICLE
CHARGING STATIONS

SHEET TITLE
**PROPOSED GROUND
LEVEL SITE VIEW**

SHEET NUMBER
C-2

EV CHARGING STATIONS INSTALLED BY OWNER UNDER SEPERATE CONTRACT



MAVERICK

1 Westinghouse Plaza,
Suite D6, Boston,
Massachusetts, 02136
+1 617-361-6700

EVERSOURCE
ENERGY

800 Boylston St,
Boston,
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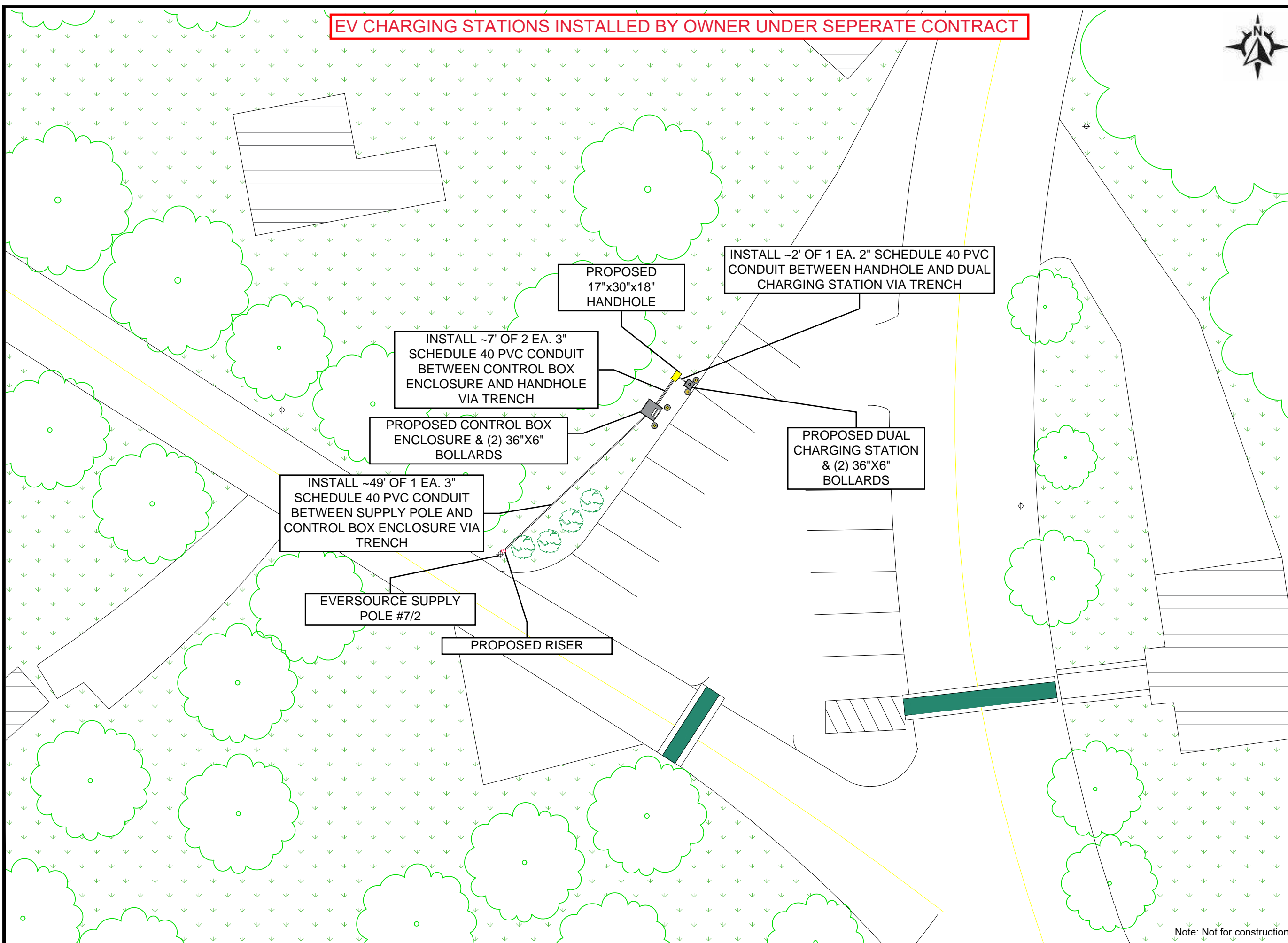
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CENTER ROAD, TRURO,
MA 02666

ELECTRIC VEHICLE
CHARGING STATIONS

SHEET TITLE
PROPOSED SITE PLAN

SHEET NUMBER
C-3



INSTALL ~7' OF 2 EA. 3" SCHEDULE 40 PVC CONDUIT BETWEEN CONTROL BOX ENCLOSURE AND HANDHOLE VIA TRENCH

PROPOSED 17"x30"x18" HANDHOLE

INSTALL ~2' OF 1 EA. 2" SCHEDULE 40 PVC CONDUIT BETWEEN HANDHOLE AND DUAL CHARGING STATION VIA TRENCH

PROPOSED CONTROL BOX ENCLOSURE & (2) 36"x6" BOLLARDS

PROPOSED DUAL CHARGING STATION & (2) 36"x6" BOLLARDS

INSTALL ~49' OF 1 EA. 3" SCHEDULE 40 PVC CONDUIT BETWEEN SUPPLY POLE AND CONTROL BOX ENCLOSURE VIA TRENCH

EVERSOURCE SUPPLY POLE #7/2

PROPOSED RISER

Note: Not for construction

EVERSOURCE W.O.#: TBD



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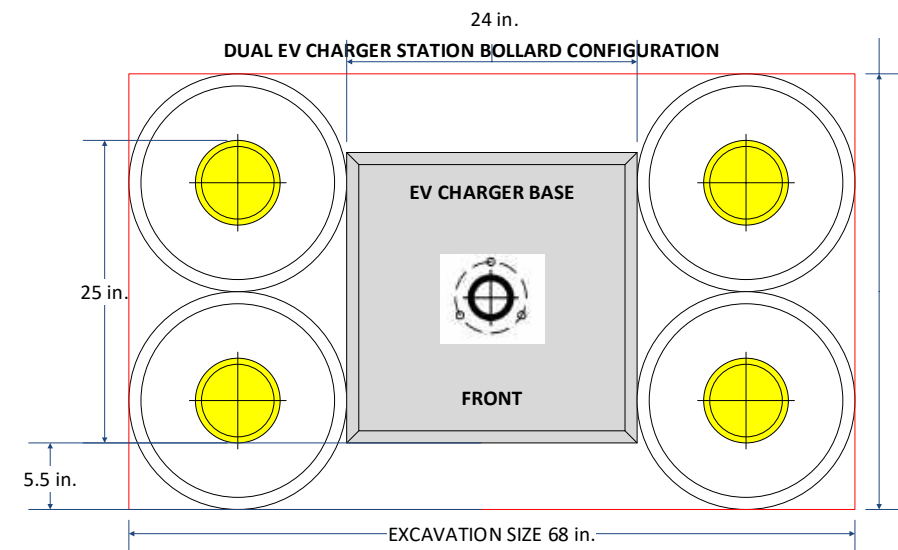
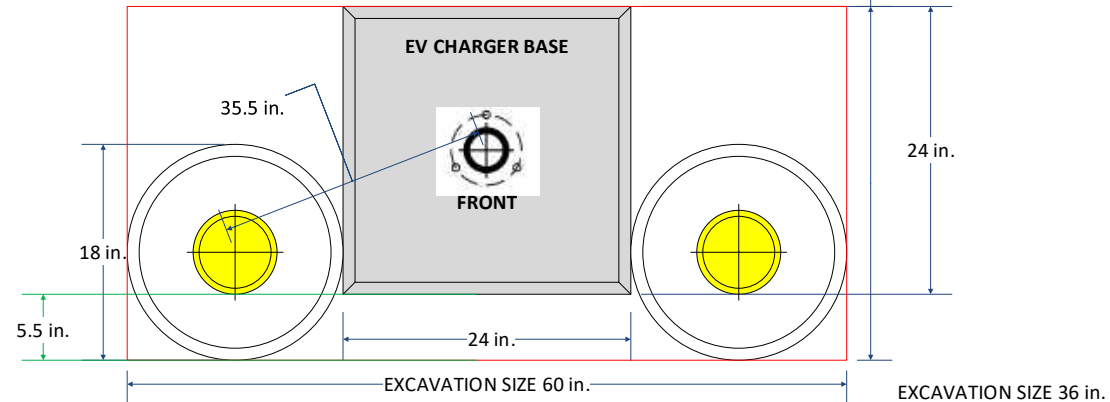
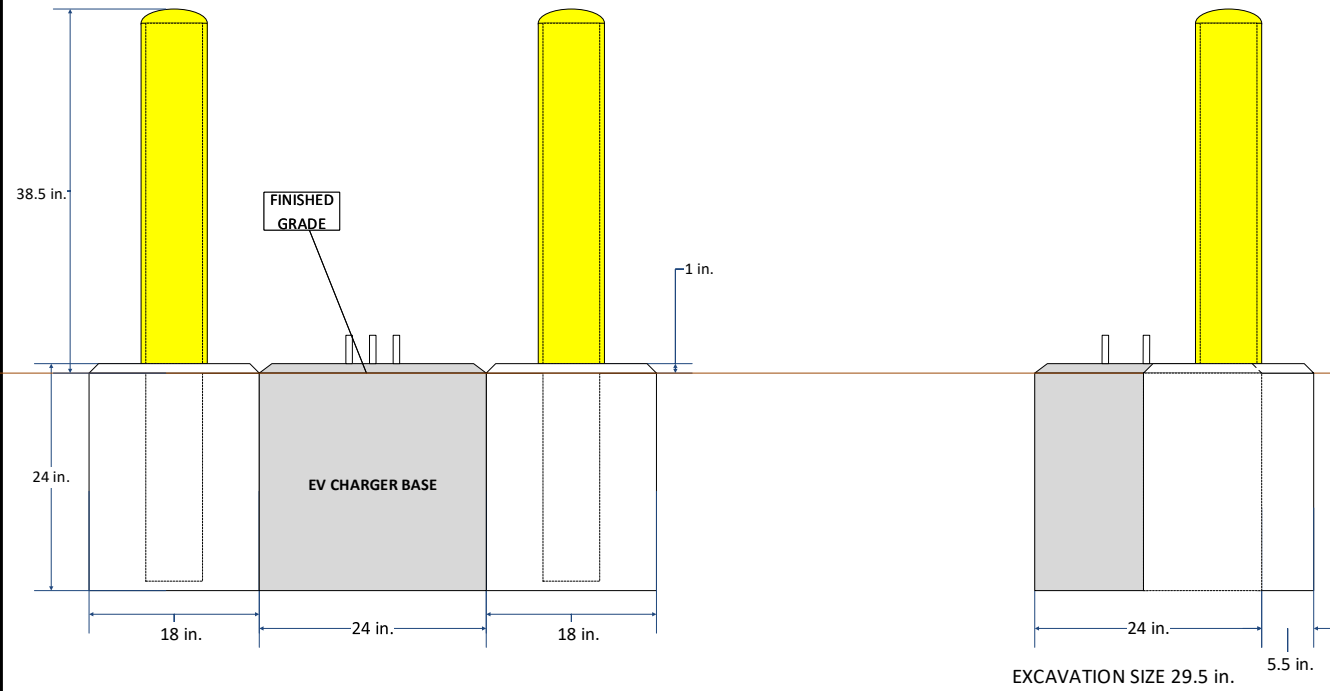
TRURO DPW, 11
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ELECTRIC VEHICLE
CHARGING STATIONS

SHEET TITLE
EVERSOURCE SKETCH

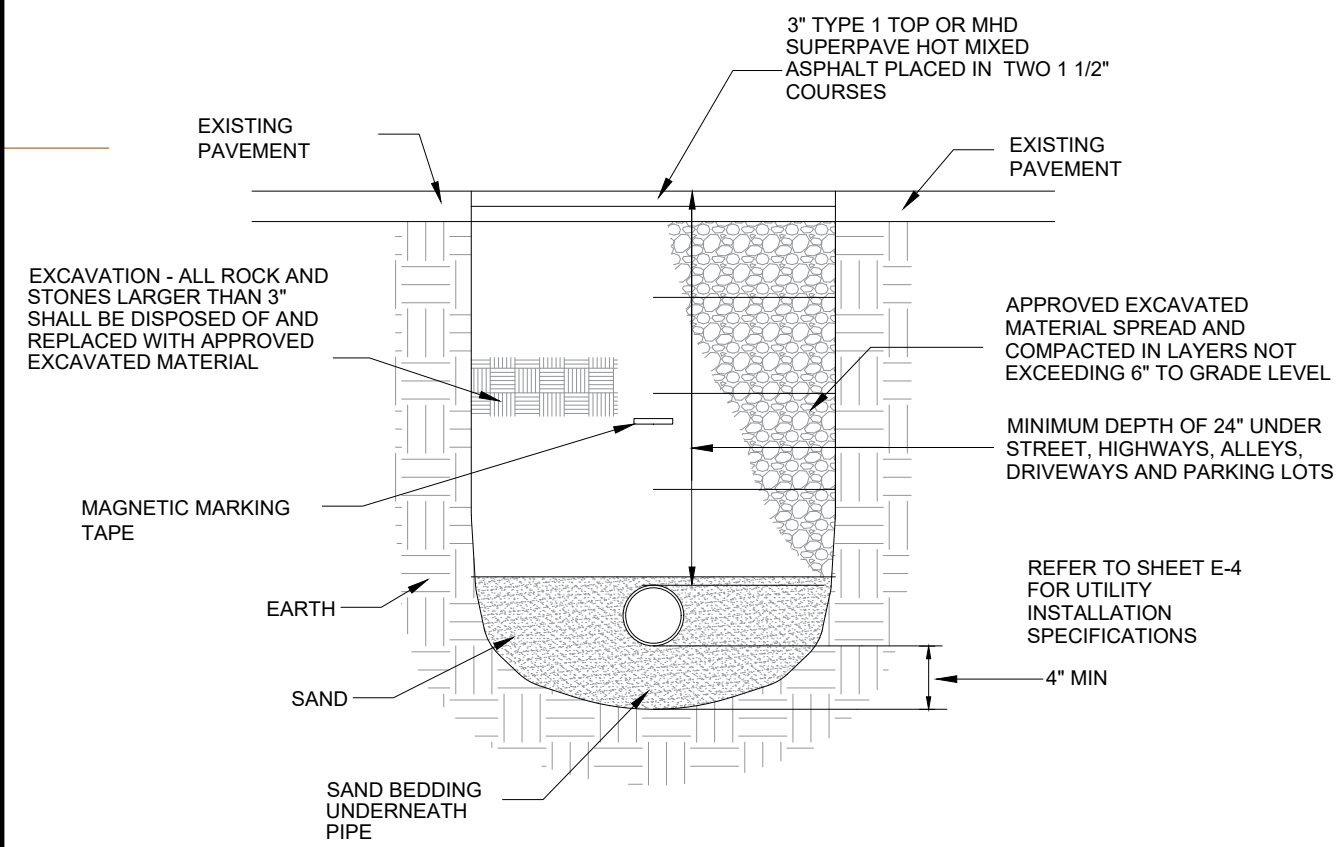
SHEET NUMBER
C-4

TYPICAL BOLLARD INSTALLATION *SUBJECT TO VARIATIONS DUE TO SITE CONDITIONS



QUADRUPLE EV CHARGER STATION BOLLARD CONFIGURATION

PAVEMENT RESTORATION



1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING AND MAINTAINING RESURFACING AND/OR PLATING FOR ALL EXCAVATIONS IN PAVED STREETS AND SIDEWALKS UNTIL PERMANENT RESURFACING IS COMPLETE.
2. JOINTS BETWEEN NEW BITUMINOUS CONCRETE ROADWAY PAVEMENT AND SAWCUT EXISTING PAVEMENT SHALL BE SEALED WITH BITUMEN AND BACKSANDED.
3. THE CONTRACTOR SHALL REPLACE ALL DISTURBED TRAFFIC SIGNAL LOOP DETECTORS TO GOOD WORKING CONDITION AS REQUIRED BY THE LATEST STANDARDS OF THE MUNICIPAL TRAFFIC DEPARTMENT.
4. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT MARKINGS IN THEIR ENTIRETY THAT HAVE BEEN DAMAGED BY TRENCH EXCAVATION OR OPERATIONS OF THE CONTRACTOR WITH SIMILAR COLOR AND SIZE THERMOPLASTIC MARKINGS.



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TRURO DPW, 11
CENTER ROAD, TRURO,
MA 02666
ELECTRIC VEHICLE
CHARGING STATIONS

SHEET TITLE
INSTALLATION DETAILS

SHEET NUMBER
D-1

ABBREVIATIONS

| | | | |
|---------|---|-----------------|---|
| A | AMPERE | MFR. | MANUFACTURER |
| AFCI | ARC-FAULT CIRCUIT INTERRUPTOR | MG SET | MOTOR-GENERATOR SET |
| AFF | ABOVE FINISHED FLOOR | MDI | MUSICAL INSTRUMENT DIGITAL INTERFACE |
| AHJ | AUTHORITY HAVING JURISDICTION | MISC | MISCELLANEOUS |
| AK | AMPERE INTERRUPTING CURRENT | MLO | MAIN LUGS ONLY |
| AI | ALUMINUM | MSHA | MINE SAFETY AND HEALTH ADMINISTRATION |
| ANSI | AMERICAN NATIONAL STANDARDS INSTITUTES | MTD | MOUNTED |
| ATS | AUTOMATIC TRANSFER SWITCH | MW | MEGAWATTS |
| AWG | AMERICAN WIRE GAUGE | NC | NORMALLY CLOSED |
| CONDUIT | CONDUIT | NEC | NATIONAL ELECTRICAL CODE |
| CATV | COMMUNITY ANTENNA TELEVISION | NECA | NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION |
| CB | CIRCUIT BREAKER | NEMA | NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION |
| CKT | CIRCUIT | NESCA | NATIONAL ELECTRICAL SAFETY CODE |
| cmil | CIRCULAR MIL | NFPA | NATIONAL FIRE PROTECTION ASSOCIATION |
| CO/ALR | COPPER-ALUMINUM, REVISED | NOT IN CONTRACT | NOT IN CONTRACT |
| COPS | CRITICAL OPERATIONS POWER SYSTEMS | NIU | NETWORK INTERFACE UNIT |
| CSA | CANADIAN STANDARDS ASSOCIATION | NORMALLY OPEN | NORMALLY OPEN |
| Cu | COPPER | NO | NATIONAL (AMERICAN) STANDARD PIPE TAPER |
| DIA | DIAMETER | NPT | NATIONALLY RECOGNIZED TESTING LABORATORIES |
| DCOA | DESIGNATED CRITICAL OPERATIONS AREAS | NRTL | NOT TO SCALE |
| DS | DISCONNECT SWITCH | NTS | NONMETALLIC UNDERGROUND CONDUIT WITH CONDUCTORS |
| EC | ELECTRICAL CONTRACTOR | NUCC | OVERCURRENT PROTECTIVE DEVICE |
| EGC | EQUIPMENT GROUNDING CONDUCTOR | OCPD | OPTICAL NETWORK TERMINAL |
| EM | EMERGENCY | ONT | POLE |
| EMF | ELECTROMOTIVE FORCE | P | PULLBOX OR PUSHBUTTON |
| EMT | ELECTRICAL METALLIC TUBING | PB | POWER CONVERSION SYSTEM |
| ENT | ELECTRICAL NONMETALLIC TUBING | PCS | POWER-CONDITIONING UNIT |
| EPO | EMERGENCY POWER OFF | PCU | POLYETHYLENE |
| ESS | ENERGY STORAGE SYSTEM | PE | POWER FACTOR |
| EV | ELECTRICAL VEHICLE | PF | PLUG-IN HYBRID ELECTRIC VEHICLE |
| EVPE | ELECTRIC VEHICLE POWER EXPORT EQUIPMENT | PHEV | PROGRAMMABLE LOGIC CONTROLLERS |
| EVSE | ELECTRIC VEHICLE SUPPLY EQUIPMENT | PLC | POWER-LIMITED FIRE ALARM |
| F | FUSE | PLFA | PANEL |
| FLA | FULL-LOAD AMPERES | PNI | POWER OVER ETHERNET |
| FMC | FLEXIBLE METAL CONDUIT | PoE | POWER |
| FMT | FLEXIBLE METAL TUBING | PWR | RIGID METAL CONDUIT |
| FT | FEET | RMC | ROOT-MEAN-SQUARE |
| FURN. | FURNISHED | RMS | RIGID NONMETALLIC CONDUIT |
| GC | GENERAL CONTRACTOR | RNC | RIGID NON-METALLIC CONDUIT |
| GCC | GROUNDING ELECTRODE CONDUCTOR | RNMC | REVOLUTIONS PER MINUTE |
| GEC | GROUND FAULT | RPM | REINFORCED THERMOSETTING RESIN CONDUIT |
| GF | GROUND FAULT INTERRUPTER | RTRC | SUPERVISORY CONTROL AND DATA ACQUISITION |
| GFI | GROUND-FAULT CIRCUIT INTERRUPTER | SCADA | SILICON CONTROLLED RECTIFIER |
| GFCI | GROUND-FAULT PROTECTION OF EQUIPMENT | SCR | INTERNATIONAL SYSTEM OF UNITS |
| GFPE | GROUND | SI | SPARE |
| GND | HEATING, AIR CONDITIONING, AND REFRIGERATION | SP | SURGE-PROTECTIVE DEVICE |
| HACR | HIGH DENSITY POLYETHYLENE | SPD | SWITCH |
| HDPE | HEIGHT | SW | SWITCHING DUTY |
| HGT. | HIGH INTENSITY DISCHARGE | SWD | SYMMETRICAL |
| HID | HAND, OFF, AUTOMATIC SWITCH | SYM | TOTALLY ENCLOSED FAN-COOLED |
| HOA | HORSEPOWER | TEFC | TEMPERATURE |
| hp | HEATING, VENTILATION, AND AIR CONDITIONING | TEMP | THERMAL MAGNETIC CIRCUIT BREAKER |
| HVAC | HERTZ (CYCLE PER SECOND) | TMCB | TAMPER-RESISTANT |
| Hz | INTERNATIONAL ASSOCIATIONS OF ELECTRICAL INSPECTORS | TR | TRANSIENT VOLTAGE SURGE SUPPRESSOR |
| IAEI | INTERNATIONAL ASSOCIATIONS OF ELECTRICAL INSPECTORS | TVSS | TYPICAL |
| IBT | INTERSYSTEM BONDING TERMINATION | TYP. | UNDERWRITERS LABORATORIES |
| IEC | INTERNATIONAL ELECTROTECHNICAL COMMISSION | UL | UNINTERRUPTIBLE POWER SUPPLY |
| IEEE | INSTITUTE OF ELECTRICAL ELECTRONICS ENGINEERS | UPS | UNIVERSAL SERIAL BUS |
| IG | ISOLATED GROUND | USB | VOLT |
| IMC | INTERMEDIATE METAL CONDUIT | V | VOLT-AMPERE |
| IS | INTRINSICALLY SAFE | VA | VOLTS ALTERNATING CURRENT |
| ITE | INFORMATION TECHNOLOGY EQUIPMENT | V ac | VOLT-AMPERE REACTIVE |
| JB | JUNCTION BOX | V ar | VOLTS DIRECT CURRENT |
| kcMil | ONE THOUSAND CIRCULAR MILS | V dc | VARIABLE FREQUENCY DRIVE |
| kVA | KILOVOLT-AMPERES | VFD | VOLTAGE TRANSFORMER |
| kVAr | KILOVOLT-AMPERES REACTIVE | VT | VOLT-OHM-MULTIMETER |
| kW | KILOWATTS | WOM | WIRE |
| LCDI | LEAKAGE-CURRENT DETECTOR-INTERRUPTER | W | WATT-HOUR |
| LED | LIGHT-EMITTING DIODE | W-hr | WIRELESS POWER TRANSFORMER |
| LFMC | LIQUIDTIGHT FLEXIBLE METAL CONDUIT | WPT | WIRELESS POWER TRANSFORMER EQUIPMENT |
| LFNC | LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT | WPTE | WEATHER RESISTANT TRANSFORMER |
| LSW | LOAD INTERRUPTER SWITCH | WR | DELTA |
| LNG | LIQUEFIED NATURAL GAS | XFMR | WYE |
| LP-GAS | LIQUEFIED PETROLEUM GAS | Δ | PHASE |
| LRG | LOCKED-ROTOR CURRENT | Y | |
| MC | MECHANICAL CONTRACTOR | φ | |
| MCB | MAIN CIRCUIT BREAKER | | |
| MDC | MODULAR DATA CENTER | | |

ONE-LINE LEGEND

| | |
|--|--|
| | CIRCUIT BREAKER - MOLDED CASE "AF" DENOTES AMPERE FRAME SIZE "AT" DENOTES AMPERE TRIP SETTINGS |
| | SWITCH AND FUSE "400AS" DENOTES AMPERE SWITCH SIZE "300AF" DENOTES AMPERE FUSE SIZE |
| | PRIMARY DISCONNECT SWITCH (BOLTED PRESSURE TYPE) |
| | AUTOMATIC TRANSFER SWITCH "ATS" |
| | FUSE |
| | POWER TRANSFORMER |
| | WYE |
| | DELTA |
| | CURRENT TRANSFORMERS |
| | GROUND BUS CONNECTION TO EARTH |
| | SYSTEM GROUND OR EQUIPMENT GROUND |
| | METER SOCKET |
| | PRIMARY UTILITY METERING |

LEGEND NOTES

- SUBSCRIPTS ILLUSTRATED ON THE LEGEND WITH ONE SYMBOL ONLY TO MINIMIZE SPACE. ANY SUBSCRIPT INDICATED WITH A LEGEND FAMILY MAY BE APPLIED TO A CORRESPONDING SYMBOL.
- ABBREVIATIONS SUCH AS "WP" MAY BE APPLIED TO ANY SYMBOL.

GENERAL NOTES

- THE SCOPE OF WORK SHALL INCLUDE ALL WORK INDICATED UNLESS OTHERWISE SPECIFICALLY INDICATED AS EXISTING OR WORK BY OTHERS, AND COORDINATION WITH ALL TRADES. SCOPE OF WORK IS INDICATED ON THE CONTRACT DOCUMENTS INCLUDING THE DRAWINGS AND THE SPECIFICATIONS, WHICH ARE COMPLIMENTARY. WORK INDICATED IN ANY CONTRACT DOCUMENT SHALL BE CONSIDERED PART OF THE SCOPE OF WORK, UNLESS SPECIFICALLY INDICATED AS EXISTING OR WORK BY OTHERS. IN GENERAL, WORK REQUIREMENTS ARE NOT INDICATED IN BOTH DOCUMENTS. WHERE DOCUMENTS CONFLICT WITHIN THEMSELVES OR WITH CODES AND REGULATIONS, PROVIDE THE HIGHER QUANTITY AND QUALITY AND FOLLOW THE STRICTER REQUIREMENTS.
- WORK, AT A MINIMUM, SHALL BE IN ACCORDANCE WITH OSHA, NFPA STANDARDS, THE ELECTRIC CODE AND THE LOCAL GOVERNING AUTHORITIES. THE DRAWINGS AND SPECIFICATIONS DO NOT ATTEMPT TO INDICATE ALL WORK REQUIRED BY CODES AND AUTHORITIES. DO NOT INSTALL WORK THAT DOES NOT MEET MINIMUM REQUIREMENTS. IF NECESSARY, REQUEST CLARIFICATION FROM ARCHITECT BEFORE PROCEEDING.
- IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO PROVIDE A WORKING INSTALLATION IN EVERY DETAIL AND ALL ITEMS REQUIRED FOR SUCH AN INSTALLATION SHALL BE PROVIDED WHETHER OR NOT SPECIFICALLY INDICATED OR MENTIONED.
- CONTRACTOR SHALL PAY FOR ALL PERMITS, INSURANCE, AND TESTS, AND SHALL PROVIDE LABOR AND MATERIAL TO COMPLETE THE ELECTRICAL WORK SHOWN.
- TEST ALL EQUIPMENT AND SYSTEMS INSTALLED TO CERTIFY COMPLIANCE WITH DRAWINGS, SPECIFICATIONS, CODES, LOCAL AUTHORITIES AND REGULATIONS. INCLUDE LABOR AND COSTS FOR TESTING, REVIEWS, APPROVALS AND CERTIFICATIONS.
- ALL CUTTING AND PATCHING REQUIRED FOR ELECTRICAL WORK SHALL BE INCLUDED AS PART OF THIS SECTIONS.
WORK SHALL CONFORM TO THE MASSACHUSETTS ELECTRICAL CODE, NATIONAL ELECTRICAL CODE, AND REQUIREMENTS OF LOCAL AUTHORIZES HAVING JURISDICTION.
- BUSWAY AND CONDUIT RUNS AS SHOWN ON THE PLANS ARE DIAGRAMMATIC ONLY; EXACT LOCATION AND METHOD OF SUPPORT SHALL BE DETERMINED IN THE FIELD.
- WHERE CONNECTIONS ARE MADE IN EXISTING PANELS, THE PANEL INDEX SHALL BE REVISED TO INDICATE THE NEW LOADS SERVED. NEW CIRCUIT BREAKERS ADDED TO EXISTING PANELS SHALL BE THE SAME FRAME, VOLTAGE RATING AND INTERRUPTING CAPACITY AS EXISTING PANEL AND CIRCUIT BREAKERS.
- ELECTRICAL SHUTDOWNS SHALL BE AT A TIME AND DATE APPROVED BY THE OWNER.

WIRING DEVICES LEGEND

| | |
|--|---|
| | 125 VOLT, 2 POLE, 3 WIRE, 20 AMP., DUPLEX RECEPTACLE. |
|--|---|

GROUNDING LEGEND

| | |
|--|-----------------------------------|
| | GROUND ROD - 3/4"x10' COPPER CLAD |
|--|-----------------------------------|

EXISTING EQUIPMENT LEGEND

| | |
|-----|--|
| XM | EXISTING DEVICE TO BE MAINTAINED |
| X | EXISTING DEVICE TO BE REMOVED AND CIRCUIT PULLED BACK TO POINT OF ORIGIN. |
| XR | EXISTING DEVICE TO BE RELOCATED |
| XN | NEW LOCATION OF EXISTING DEVICE. EXTEND BRANCH/FEEDER CIRCUIT TO NEW LOCATION. |
| XRP | EXISTING DEVICE AND COVER TO BE REMOVED AND REPLACED WITH NEW. MAINTAIN BACK BOX AND CIRCUIT. |
| XD | EXISTING DEVICE AND COVER TO BE REMOVED AND REPLACED WITH NEW. MAINTAIN BACK BOX AND PROVIDE A NEW CIRCUIT AS INDICATED. |
| XW | EXISTING TO BE REWORKED |
| | BOLD-DASHED LINEWEIGHT INDICATES TO BE REMOVED |
| | LIGHT OUT OF FUNCTION LINEWEIGHT INDICATES TO REMAIN AS IS |
| | BOLD LINEWEIGHT INDICATES NEW OR AFFECTED WORK |

SITE PLAN LEGEND

| | |
|--|--|
| | DUCTBANK "UG" INDICATES UNDERGROUND |
| | ELECTRIC UTILITY MANHOLE "U" DENOTES UTILITY, "15KV" DENOTES 15KV CAMPUS LOOP "T" DENOTES TELECOMMUNICATION |
| | HANDHOLE |

WIRING NOTES

- WIRING IS INDICATED ON DRAWINGS ONLY FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS.
- FEEDERS SHALL BE IN INDEPENDENT RACEWAYS AND BOXES, UNLESS OTHERWISE INDICATED.



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800 Boylston St,
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PROJECT NO: 10-19-0005.536

DRAWN BY: T.R.

CHECKED BY: D.C.

| REV | DATE | DESCRIPTION |
|-----|------------|-------------------|
| 1 | 12/16/2022 | ISSUED FOR REVIEW |
| 0 | 11/11/2022 | ISSUED FOR REVIEW |

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TRURO DPW, 11
CENTER ROAD, TRURO,
MA 02666

ELECTRIC VEHICLE
CHARGING STATIONS

SHEET TITLE
LEGEND & NOTES

SHEET NUMBER

L-1

| REV | DATE | DESCRIPTION |
|-----|------------|-------------------|
| 1 | 12/16/2022 | ISSUED FOR REVIEW |
| 0 | 11/11/2022 | ISSUED FOR REVIEW |

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TRURO DPW, 11
CENTER ROAD, TRURO,
MA 02666

ELECTRIC VEHICLE
CHARGING STATIONS

SHEET TITLE
EV INFRASTRUCTURE
RISER DIAGRAMS

SHEET NUMBER

E-1

EACH BLOCK REPRESENTS ONE FOOT IN THE SCALE INDICATED

| DATE | DESCRIPTION | REV. |
|------|-------------|------|
| | | |



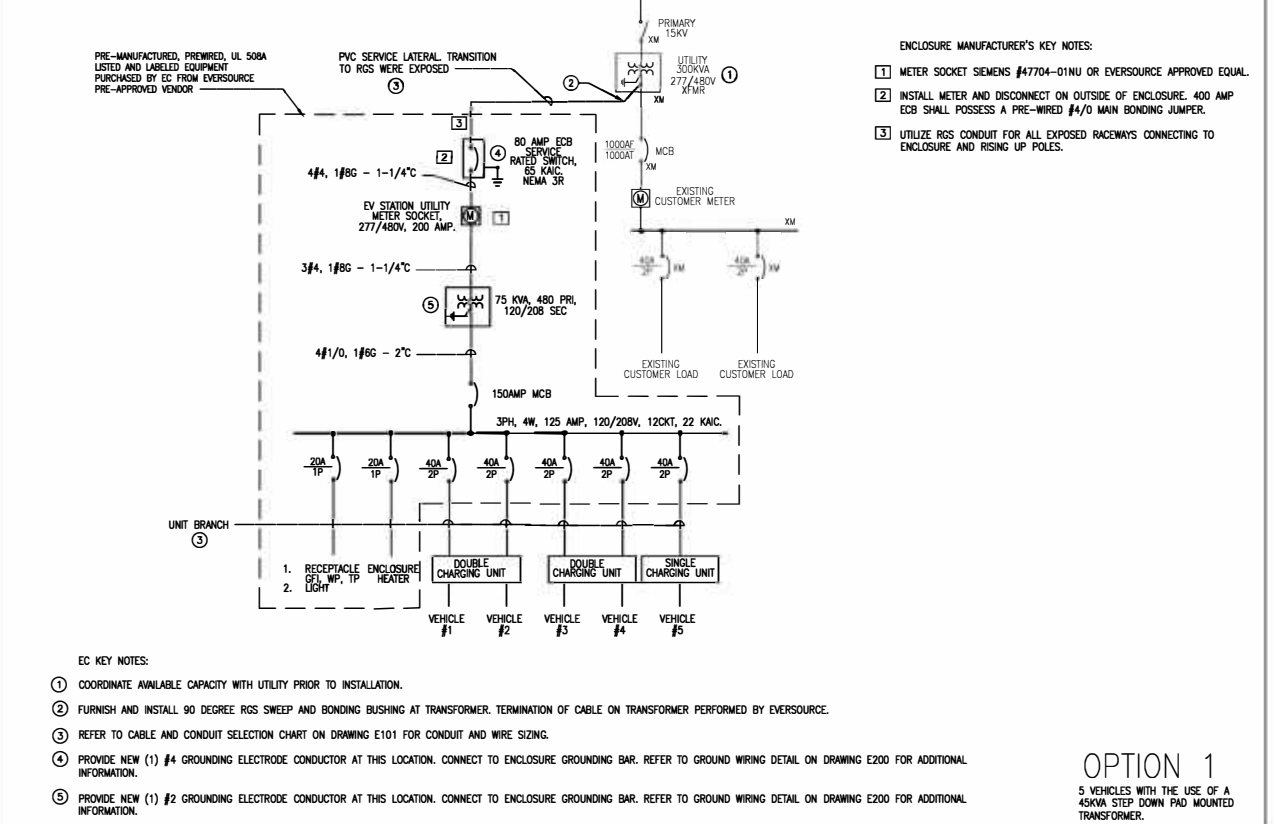
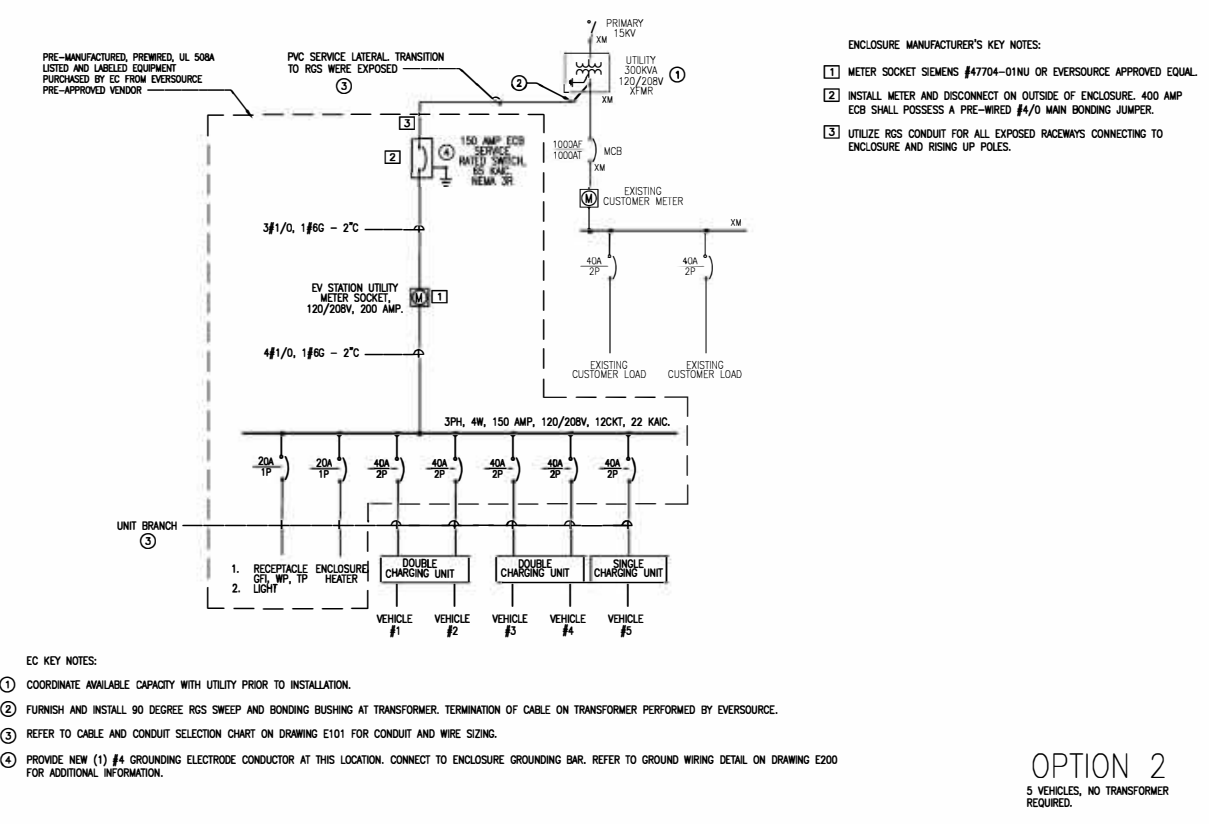
LEVEL 2
EV INFRASTRUCTURE
RISER DIAGRAMS

EVERSOURCE
EV MAKE READY
2020 LEVEL 2 EV
MODIFICATIONS

OWNER REVIEW

SCALE: AS NOTED
DATE: TBD
DRAWN BY: YE
REVIEWED BY: MOB
JOB NUMBER: BEEV19C
DRAWING NO.

E1.00



EV CHARGER STATION CABLE AND CONDUIT SELECTION CHART

| OPTION | NUMBER OF VEHICLES | FLA/VOLT/PH | WIRE SIZE | | |
|-------------|--------------------|-------------|-----------------------------|-------------------------------|--------------------------------|
| | | | 100 FT | 200 FT | 300 FT |
| 1 | 5 VEHICLE | 54/480/3 | 4#4 & 1#4GND IN 3" C | 4#4 & 1#4GND IN 3" C | 4#4 & 1#4GND IN 3" C |
| 2 | 5 VEHICLE | 104/208/3 | 4#1/0 & 1#4GND IN 3" C | 4#2/0 & 1#4GND IN 3" C | 4#4/0 & 1#4GND IN 3" C |
| 3 | 5 VEHICLE | 155/240/1 | 3#4/0 & 1#4GND IN 3" C | 3#4/0 & 1#4GND IN 3" C | 3#250KCMIL & 1#4GND IN 3" C |
| 4 | 10 VEHICLE | 90/480/3 | 4#1/0 & 1#4GND IN 3" C | 4#1/0 & 1#4GND IN 3" C | 4#2/0 & 1#4GND IN 3" C |
| 5 | 10 VEHICLE | 208/208/3 | 4#4/0 & 1#4GND IN 3" C | 4#500KCMIL & 1#4GND IN 4" C | (2)#1/0 & 1#4GND IN 4" C |
| 6 | 10 VEHICLE | 330/240/1 | 3#600KCMIL & 1#4GND IN 4" C | (2)3#4/0 & 1#4GND IN 2-1/2" C | (2)3#250KCMIL & 1#4GND IN 3" C |
| ALL OPTIONS | 1 BRANCH CIRCUIT | 36/208/1 | 2#6 & 1#8GND IN 2" C | 2#4 & 1#8GND IN 2" C | 2#2 & 1#8GND IN 2" C |

NOTES:

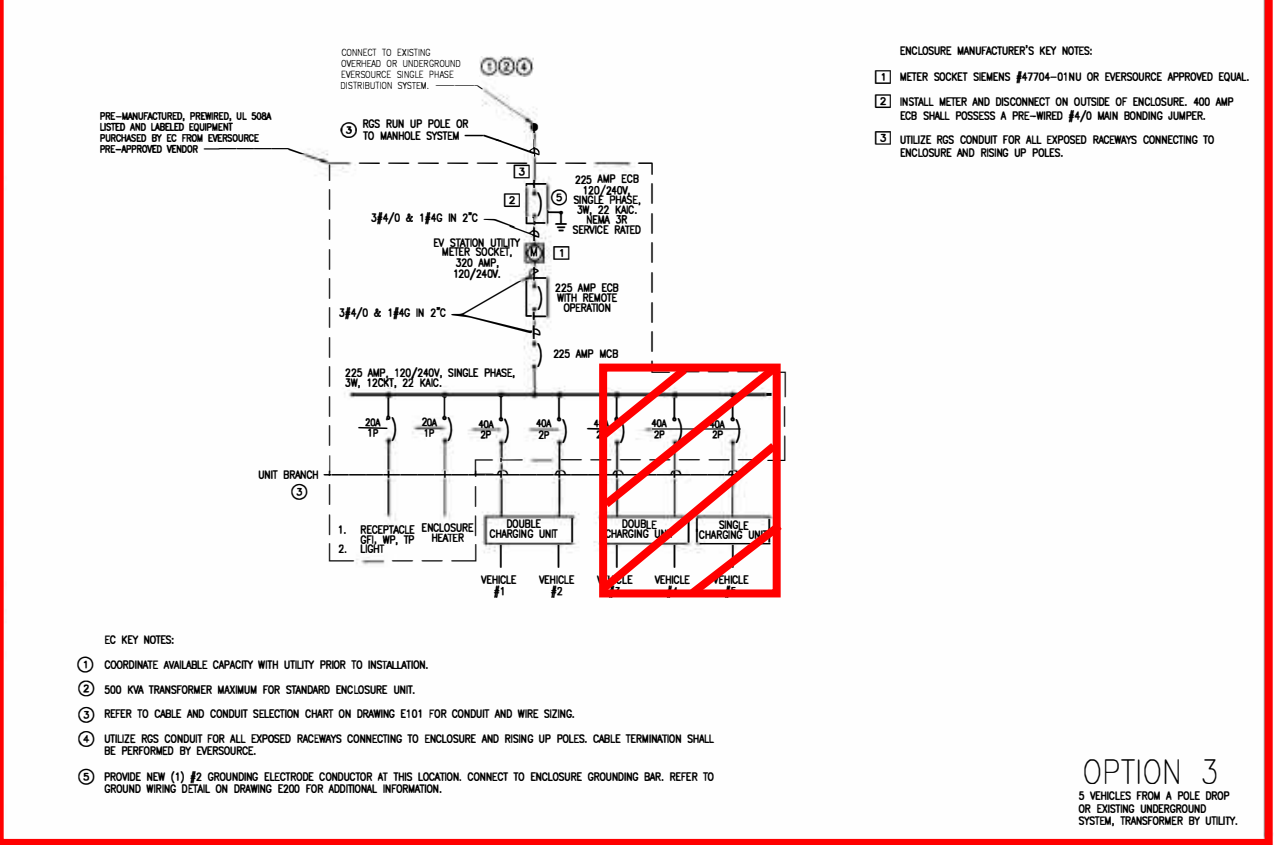
- ALL UNDERGROUND WIRING SHALL BE XHHW-2 COPPER WIRE.
- ABOVE GROUND WIRING SHALL BE THHNW-2 COPPER WIRE.
- PROVIDE RGS CONDUIT WHEN CABLE RUN IS EXPOSED TO MECHANICAL DAMAGE. PROVIDE EXPANSION FITTINGS AS REQUIRED.

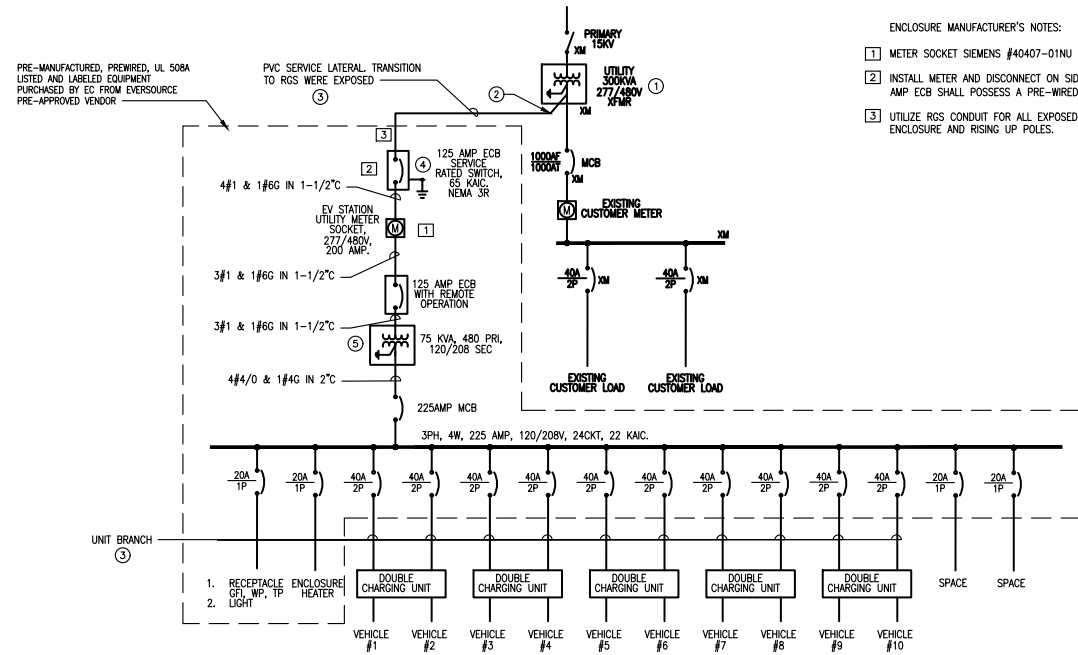
EQUIPMENT SCHEDULE

| EQUIPMENT | MANUFACTURER OPTION 1 | MANUFACTURER OPTION 2 |
|--------------------------------------|-----------------------|-----------------------|
| COLD SEQUENCE METER MAIN | KINNEY ELECTRIC | ERICKSON ELECTRIC |
| IRON CONDUIT BODY | OZ GEDNEY | CROUSE HINDS |
| MALLEABLE CONDUIT STRAP AND FITTINGS | APLETON | GARVIN |
| RGS CONDUIT | ALLIED PIPE | REPUBLIC |
| PVC CONDUIT | CARLON PRODUCTS | NATIONAL PIPE |
| CONCRETE POLYMER HANDHOLE | MACLEAN | ARMOCAST |
| CABLE: XHHW-2 | SOUTHWIRE | ALLIED |
| CABLE: THHNW-2 | SOUTHWIRE | ALLIED |

NOTES:

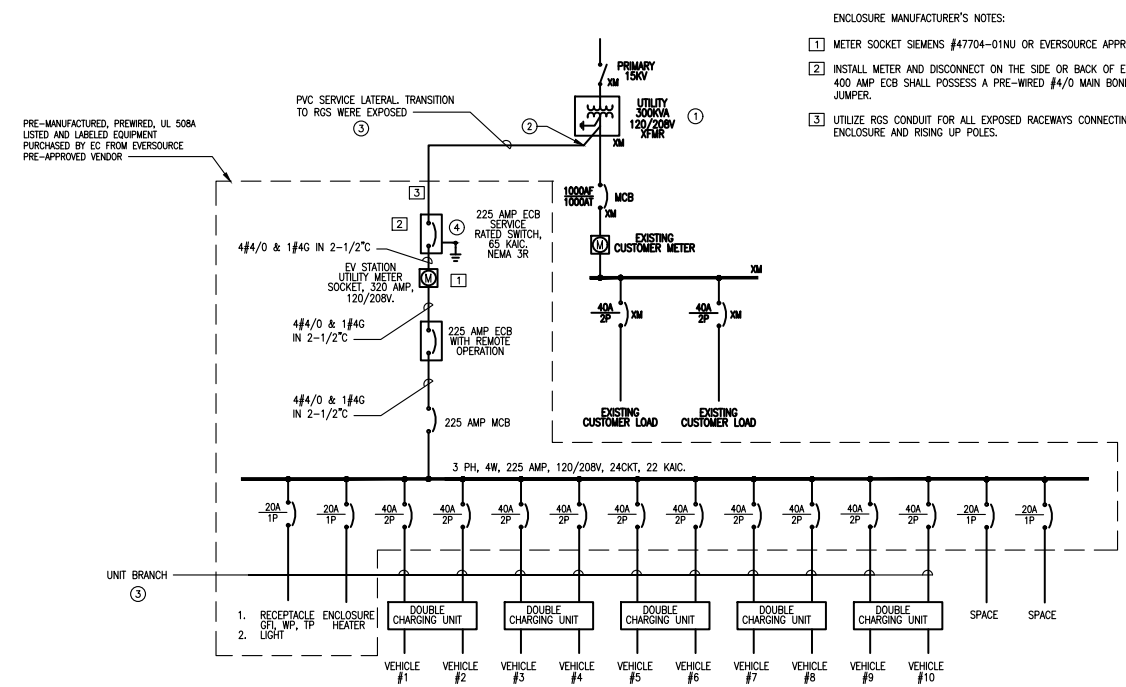
- APPROVED EQUAL EQUIPMENTS WILL BE CONSIDERED FOR ALL COMPONENTS.





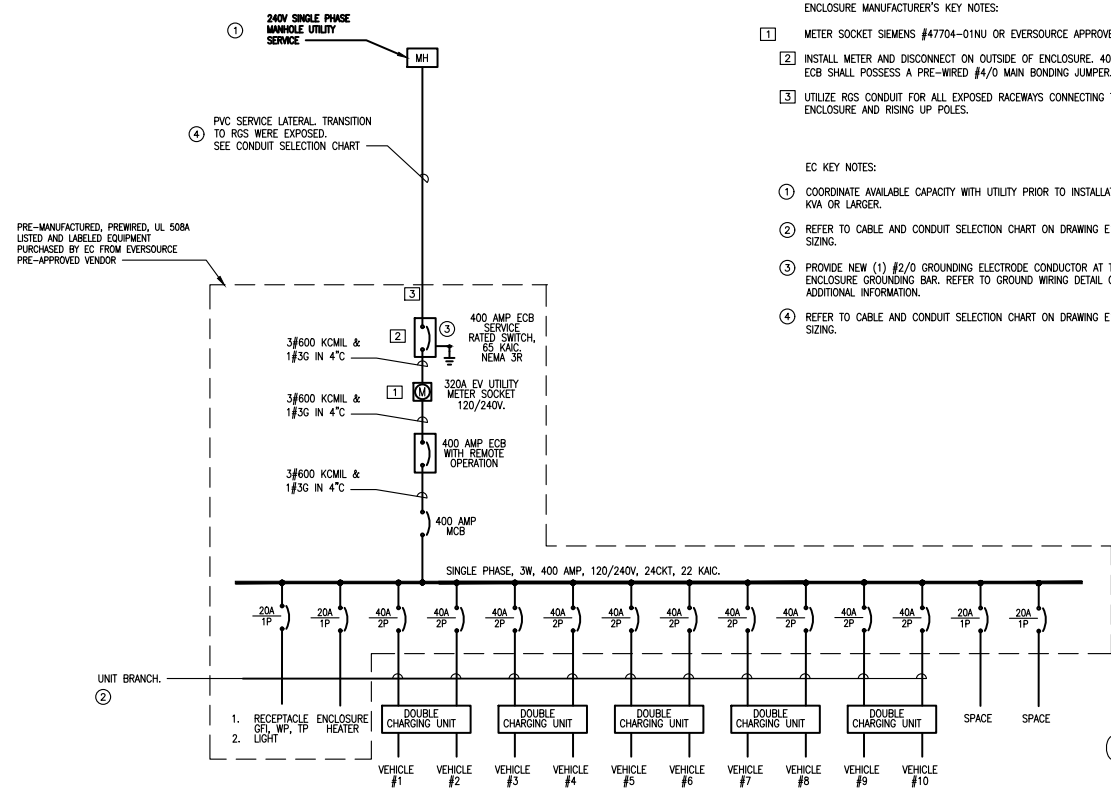
- EC KEY NOTES:
- 1500 KVA TRANSFORMER MAXIMUM FOR STANDARD ENCLOSURE UNIT.
 - FURNISH AND INSTALL 90 DEGREES RGS SWEEP AND BONDING BUSHING AT TRANSFORMER. TERMINATION OF CABLE ON TRANSFORMER SHALL BE PERFORMED BY EVERSOURCE.
 - REFER TO CABLE AND CONDUIT SELECTION CHART ON DRAWING E101 FOR CONDUIT AND WIRE SIZING.
 - PROVIDE NEW (1) #4 GROUNDING ELECTRODE CONDUCTOR AT THIS LOCATION. CONNECT TO NEW ENCLOSURE GROUNDING BAR. REFER TO GROUND WIRING DETAIL ON DRAWING E200 FOR ADDITIONAL INFORMATION.
 - PROVIDE NEW (1) #2 GROUNDING ELECTRODE CONDUCTOR AT THIS LOCATION. CONNECT TO ENCLOSURE GROUNDING BAR. REFER TO GROUND WIRING DETAIL ON DRAWING E200 FOR ADDITIONAL INFORMATION.

OPTION 4
10 VEHICLES WITH THE USE OF A 75KVA STEP DOWN PAD MOUNTED TRANSFORMER.



- EC KEY NOTES:
- 500 KVA TRANSFORMER MAXIMUM FOR STANDARD ENCLOSURE UNIT.
 - FURNISH AND INSTALL 90 DEGREES RGS SWEEP AND BONDING BUSHING AT TRANSFORMER. TERMINATION OF CABLE ON TRANSFORMER SHALL BE PERFORMED BY EVERSOURCE.
 - REFER TO CABLE AND CONDUIT SELECTION CHART ON DRAWING E101 FOR CONDUIT AND WIRE SIZING.
 - PROVIDE NEW (1) #2 GROUNDING ELECTRODE CONDUCTOR AT THIS LOCATION. CONNECT TO ENCLOSURE GROUNDING BAR. REFER TO GROUND WIRING DETAIL ON DRAWING E200 FOR ADDITIONAL INFORMATION.

OPTION 5
10 VEHICLES, NO TRANSFORMER REQUIRED.



PRE-MANUFACTURED, PREWIRED, UL 508A LISTED AND LABELED EQUIPMENT PURCHASED BY EC FROM EVERSOURCE PRE-APPROVED VENDOR

- EC KEY NOTES:
- COORDINATE AVAILABLE CAPACITY WITH UTILITY PRIOR TO INSTALLATION ON ALL SOURCE 500 KVA OR LARGER.
 - REFER TO CABLE AND CONDUIT SELECTION CHART ON DRAWING E101 FOR CONDUIT AND WIRE SIZING.
 - PROVIDE NEW (1) #2/0 GROUNDING ELECTRODE CONDUCTOR AT THIS LOCATION. CONNECT TO ENCLOSURE GROUNDING BAR. REFER TO GROUND WIRING DETAIL ON DRAWING E200 FOR ADDITIONAL INFORMATION.
 - REFER TO CABLE AND CONDUIT SELECTION CHART ON DRAWING E101 FOR CONDUIT AND WIRE SIZING.

OPTION 6
10 VEHICLES, SINGLE PHASE, NO TRANSFORMER REQUIRED.

| OPTION | NUMBER OF VEHICLES | FLA/VOLT/PH | 100 FT | 200 FT | 300 FT |
|-------------|--------------------|-------------|-----------------------------|-------------------------------|--------------------------------|
| | | | WIRE SIZE | WIRE SIZE | WIRE SIZE |
| 1 | 5 VEHICLE | 54/480/3 | 4#4 & 1#4GND IN 3" C | 4#4 & 1#4GND IN 3" C | 4#4 & 1#4GND IN 3" C |
| 2 | 5 VEHICLE | 104/208/3 | 4#1/0 & 1#4GND IN 3" C | 4#2/0 & 1#4GND IN 3" C | 4#4/0 & 1#4GND IN 3" C |
| 3 | 5 VEHICLE | 155/240/1 | 3#4/0 & 1#4GND IN 3" C | 3#4/0 & 1#4GND IN 3" C | 3#250KCMIL & 1#4GND IN 3" C |
| 4 | 10 VEHICLE | 90/480/3 | 4#1/0 & 1#4GND IN 3" C | 4#1/0 & 1#4GND IN 3" C | 4#2/0 & 1#4GND IN 3" C |
| 5 | 10 VEHICLE | 208/208/3 | 4#4/0 & 1#4GND IN 3" C | 4#500KCMIL & 1#4GND IN 4" C | (2)4#1/0 & 1#4GND IN 4" C |
| 6 | 10 VEHICLE | 330/240/1 | 3#600KCMIL & 1#4GND IN 4" C | (2)3#4/0 & 1#4GND IN 2-1/2" C | (2)3#250KCMIL & 1#4GND IN 3" C |
| ALL OPTIONS | 1 BRANCH CIRCUIT | 36/208/1 | 2#6 & 1#6GND IN 2" C | 2#4 & 1#6GND IN 2" C | 2#2 & 1#6GND IN 2" C |

NOTES:
 1. ALL UNDERGROUND WIRING SHALL BE XHHW-2 COPPER WIRE.
 2. ABOVE GROUND WIRING SHALL BE THHNW-2 COPPER WIRE.
 3. PROVIDE RGS CONDUIT WHEN CABLE RUN IS EXPOSED TO MECHANICAL DAMAGE. PROVIDE EXPANSION FITTINGS AS REQUIRED

| EQUIPMENT | MANUFACTURER OPTION 1 | MANUFACTURER OPTION 2 |
|--------------------------------------|-----------------------|-----------------------|
| COLD SEQUENCE METER MAIN | KINNEY ELECTRIC | ERICKSON ELECTRIC |
| IRON CONDUIT BODY | OZ GEDNEY | CROUSE HINDS |
| MALLEABLE CONDUIT STRAP AND FITTINGS | APLETON | GARVIN |
| RGS CONDUIT | ALLIED PIPE | REPUBLIC |
| PVC CONDUIT | CARLON PRODUCTS | NATIONAL PIPE |
| CONCRETE POLYMER HANDHOLE | MACLEAN | ARMOCAST |
| CABLE: XHHW-2 | SOUTHWIRE | ALLIED |
| CABLE: THHNW-2 | SOUTHWIRE | ALLIED |

NOTES:
 1. APPROVED EQUAL EQUIPMENTS WILL BE CONSIDERED FOR ALL COMPONENTS.

DATE: _____

DESCRIPTION: _____

REV: _____

CMTA
 161 WORCESTER RD SUITE 305
 FRAMINGHAM, MA 01701
 T: (508) 644-9200 F: (508) 683-1808
 www.cmta.com

LEVEL 2 EV INFRASTRUCTURE RISER DIAGRAMS

CLIENT: EVERSOURCE EV MAKE READY
 PROJECT: 2020 LEVEL 2 EV MODIFICATIONS

| REV | DATE | DESCRIPTION |
|-----|------------|-------------------|
| 1 | 12/16/2022 | ISSUED FOR REVIEW |
| 0 | 11/11/2022 | ISSUED FOR REVIEW |

OWNER REVIEW
 SCALE: AS NOTED
 DATE: TBD
 DRAWN BY: YE
 REVIEWED BY: MOB
 JOB NUMBER: BEEV19C
 DRAWING NO: **E1.01**

MAVERICK

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 Suite D6, Boston,
 Massachusetts, 02136
 +1 617-361-6700

EVERSOURCE ENERGY

800 Boylston St,
 Boston,
 Massachusetts, 02199
 +1 800-592-2000

PROJECT NO: 10-19-0005.536
 DRAWN BY: T.R.
 CHECKED BY: D.C.

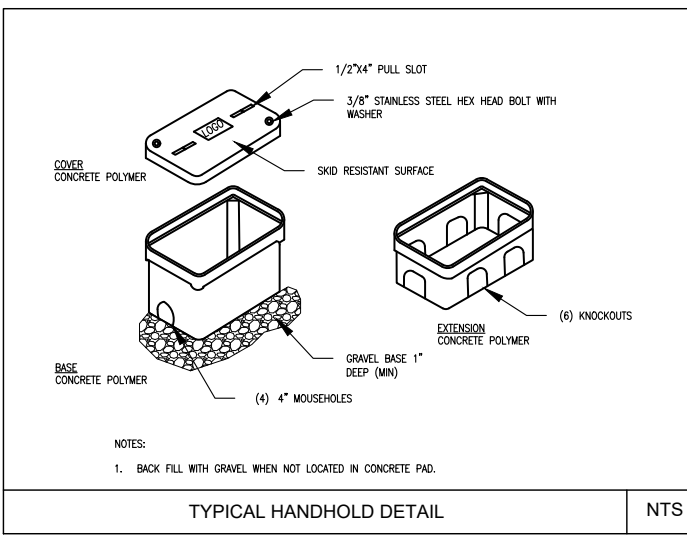
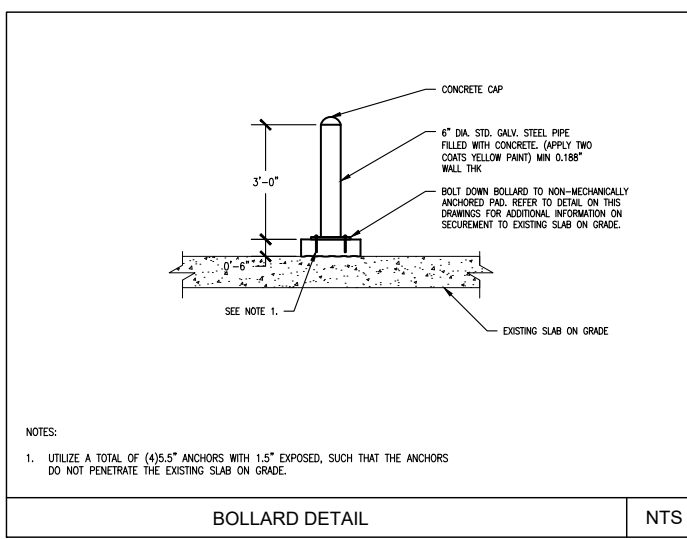
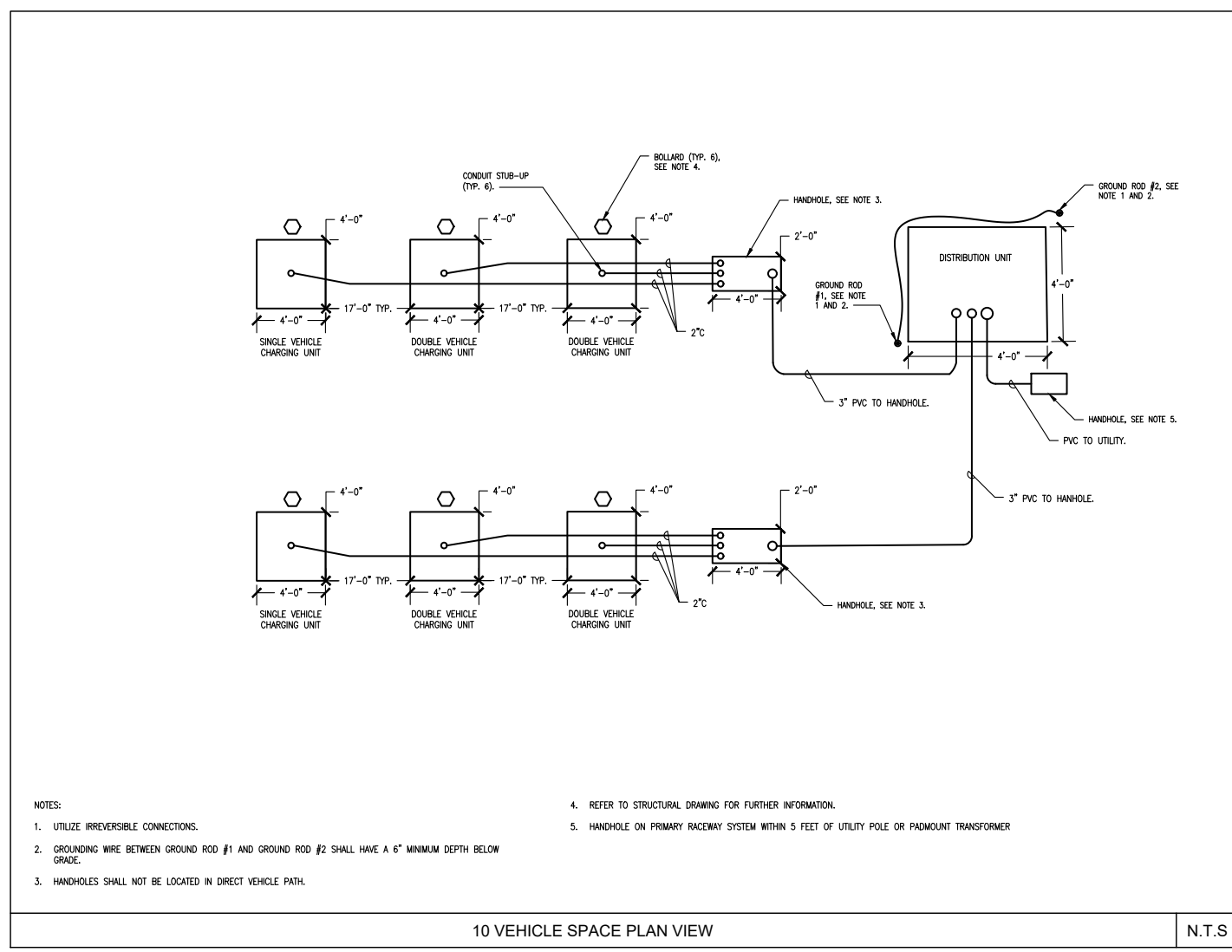
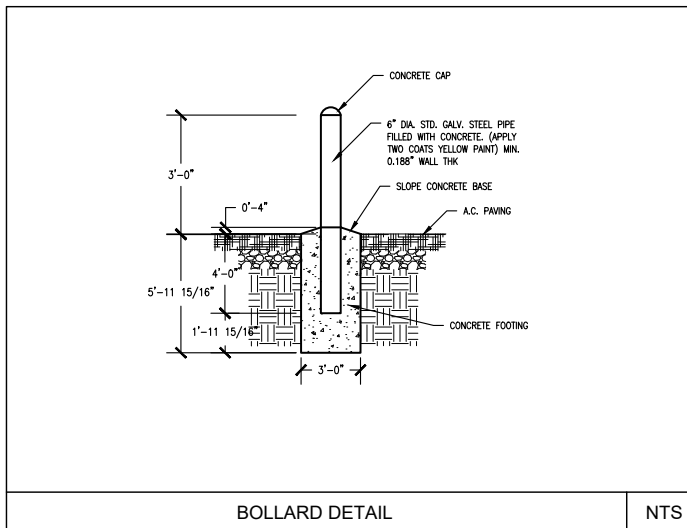
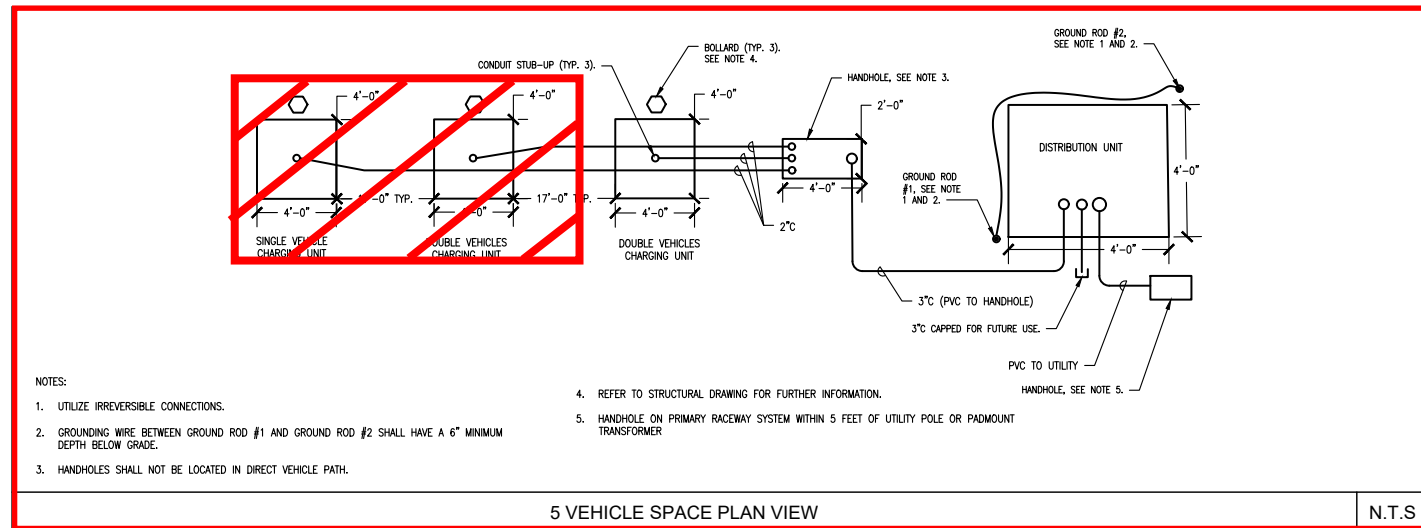
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TRURO DPW, 11 CENTER ROAD, TRURO, MA 02666

ELECTRIC VEHICLE CHARGING STATIONS

SHEET TITLE
EV INFRASTRUCTURE RISER DIAGRAMS

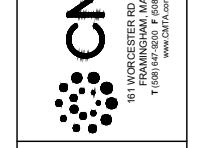
SHEET NUMBER
E-2



1" = 1'-0"

EACH BLOCK REPRESENTS ONE FOOT IN THE SCALE INDICATED

| DATE | DESCRIPTION | REV. |
|------|-------------|------|
| | | |
| | | |



EV INFRASTRUCTURE ELECTRICAL DETAILS, SHEET 1

CLIENT: EVERSOURCE EV MAKE READY

PROJECT: 2020 LEVEL 2 EV MODIFICATIONS

| SCALE | AS NOTED |
|-------------|----------|
| DATE | TBD |
| DRAWN BY | YE |
| REVIEWED BY | MOB |
| JOB NUMBER | BEEV19C |
| DRAWING NO. | E2.01 |

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EVERSOURCE ENERGY

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| | |
|-------------|----------------|
| PROJECT NO: | 10-19-0005.536 |
| DRAWN BY: | T.R. |
| CHECKED BY: | D.C. |

| REV | DATE | DESCRIPTION |
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TRURO DPW, 11
CENTER ROAD, TRURO,
MA 02666

ELECTRIC VEHICLE
CHARGING STATIONS

SHEET TITLE
ELECTRICAL DETAILS
SHEET 1

SHEET NUMBER
E-3



EV INFRASTRUCTURE
ELECTRICAL DETAILS,
SHEET 2

| REV | DATE | DESCRIPTION |
|-----|------------|-------------------|
| 1 | 12/16/2022 | ISSUED FOR REVIEW |
| 0 | 11/11/2022 | ISSUED FOR REVIEW |

CLIENT: EVERSOURCE
EV MAKE READY
PROJECT: 2020 LEVEL 2 EV
MODIFICATIONS

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CENTER ROAD, TRURO,
MA 02666

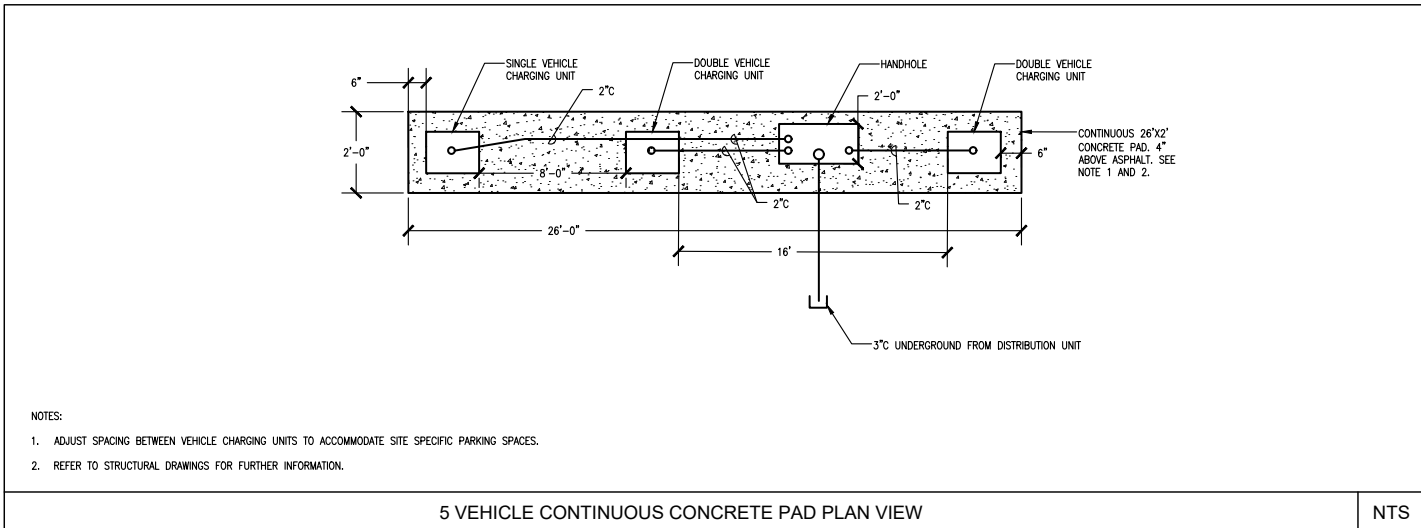
ELECTRIC VEHICLE
CHARGING STATIONS

SHEET TITLE
ELECTRICAL DETAILS
SHEET 2

SHEET NUMBER
E-4

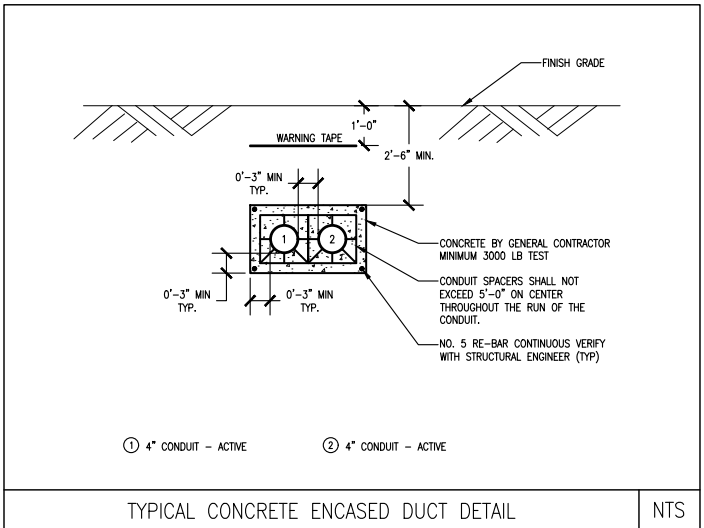
SCALE: 1" = 1'-0"
EACH BLOCK REPRESENTS ONE FOOT IN THE SCALE INDICATED

| DATE | DESCRIPTION | REV. |
|------|-------------|------|
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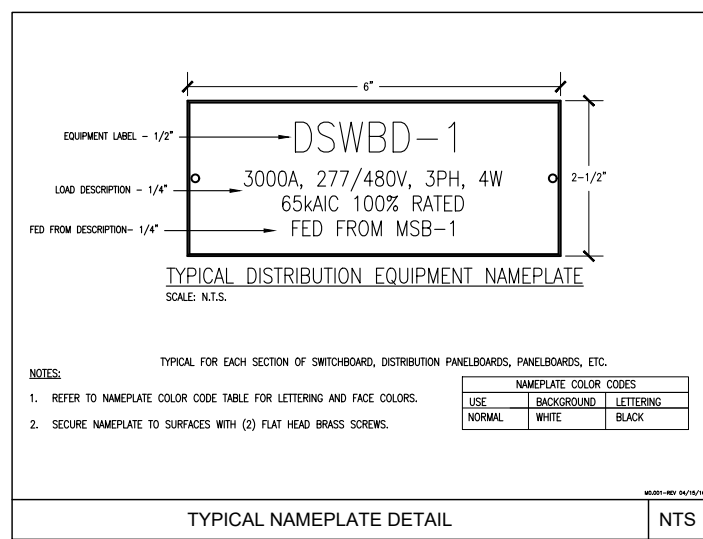
- NOTES:
- ADJUST SPACING BETWEEN VEHICLE CHARGING UNITS TO ACCOMMODATE SITE SPECIFIC PARKING SPACES.
 - REFER TO STRUCTURAL DRAWINGS FOR FURTHER INFORMATION.

5 VEHICLE CONTINUOUS CONCRETE PAD PLAN VIEW NTS



- ① 4" CONDUIT - ACTIVE ② 4" CONDUIT - ACTIVE

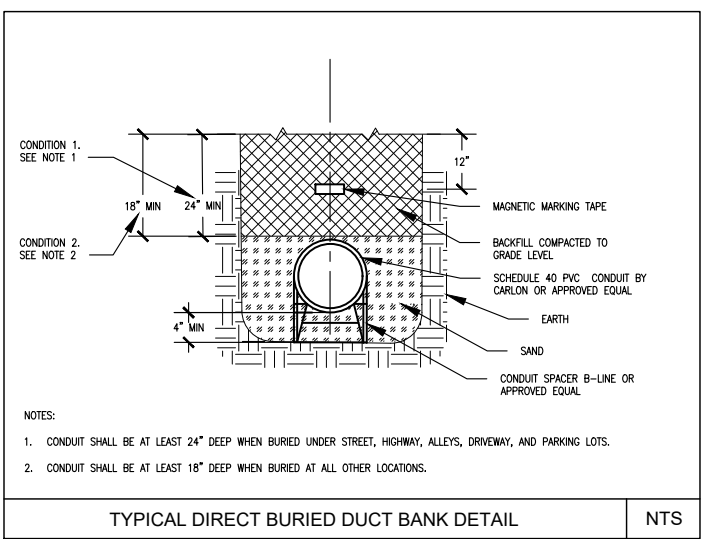
TYPICAL CONCRETE ENCASED DUCT DETAIL NTS



- NOTES:
- REFER TO NAMEPLATE COLOR CODE TABLE FOR LETTERING AND FACE COLORS.
 - SECURE NAMEPLATE TO SURFACES WITH (2) FLAT HEAD BRASS SCREWS.

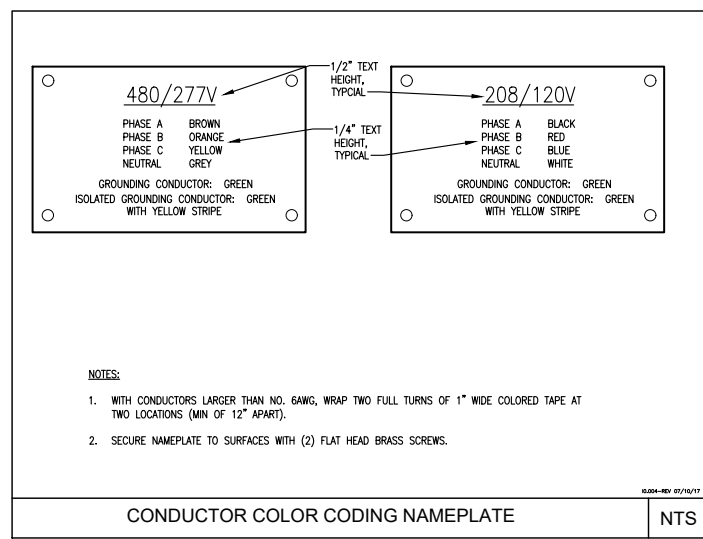
| USE | BACKGROUND | LETTERING |
|--------|------------|-----------|
| NORMAL | WHITE | BLACK |

TYPICAL NAMEPLATE DETAIL NTS



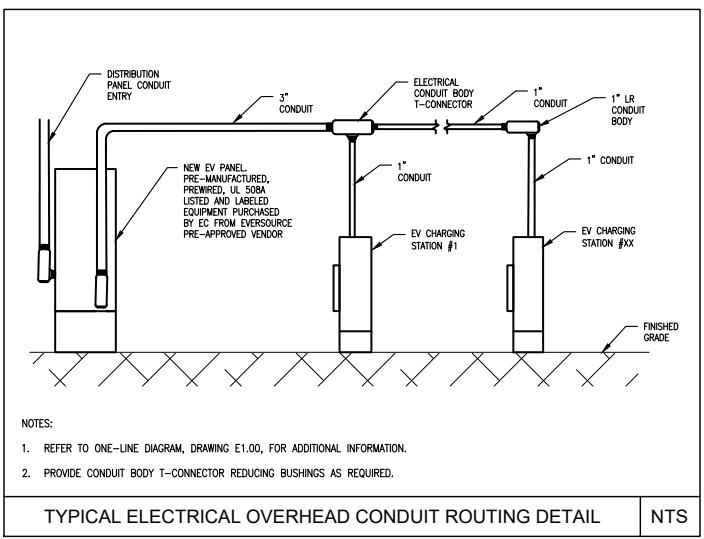
- NOTES:
- CONDUIT SHALL BE AT LEAST 24" DEEP WHEN BURIED UNDER STREET, HIGHWAY, ALLEYS, DRIVEWAY, AND PARKING LOTS.
 - CONDUIT SHALL BE AT LEAST 18" DEEP WHEN BURIED AT ALL OTHER LOCATIONS.

TYPICAL DIRECT BURIED DUCT BANK DETAIL NTS



- NOTES:
- WITH CONDUCTORS LARGER THAN NO. 6AWG, WRAP TWO FULL TURNS OF 1" WIDE COLORED TAPE AT TWO LOCATIONS (MIN OF 12" APART).
 - SECURE NAMEPLATE TO SURFACES WITH (2) FLAT HEAD BRASS SCREWS.

CONDUCTOR COLOR CODING NAMEPLATE NTS



- NOTES:
- REFER TO ONE-LINE DIAGRAM, DRAWING E1.00, FOR ADDITIONAL INFORMATION.
 - PROVIDE CONDUIT BODY T-CONNECTOR REDUCING BUSHINGS AS REQUIRED.

TYPICAL ELECTRICAL OVERHEAD CONDUIT ROUTING DETAIL NTS

OWNER REVIEW

SCALE: AS NOTED
DATE: TBD
DRAWN BY: YB
REVIEWED BY: MOB

JOB NUMBER: BEV19C

DRAWING NO.

E2.02

| REV | DATE | DESCRIPTION |
|-----|------------|-------------------|
| 1 | 12/16/2022 | ISSUED FOR REVIEW |
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TRURO DPW, 11
CENTER ROAD, TRURO,
MA 02666

ELECTRIC VEHICLE
CHARGING STATIONS

SHEET TITLE
ELECTRICAL DETAILS
SHEET 3

SHEET NUMBER
E-5

EACH BLOCK REPRESENTS ONE FOOT IN THE SCALE INDICATED

| DATE | DESCRIPTION | REV |
|------|-------------|-----|
| | | |
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| DATE | DESCRIPTION | REV |
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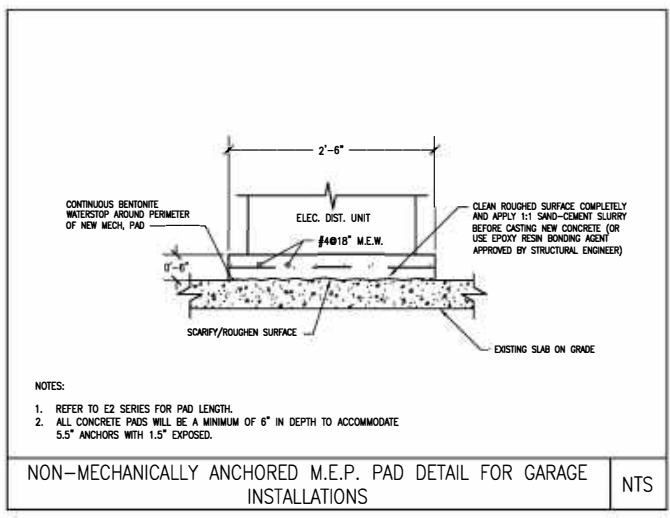
EV INFRASTRUCTURE ELECTRICAL DETAILS, SHEET 3

CLIENT: EVERSOURCE EV MAKE READY
PROJECT: 2020 LEVEL 2 EV MODIFICATIONS

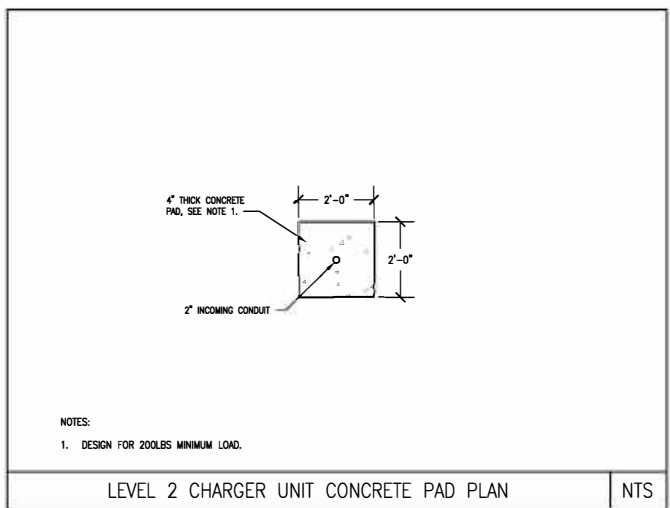


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JOB NUMBER: BEEV19C
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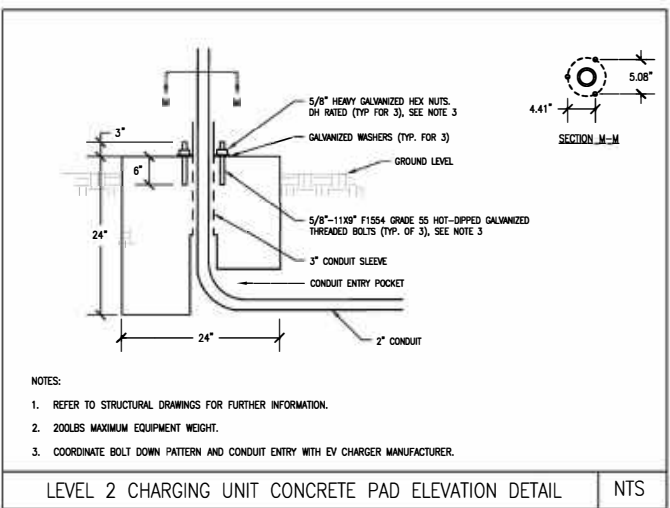
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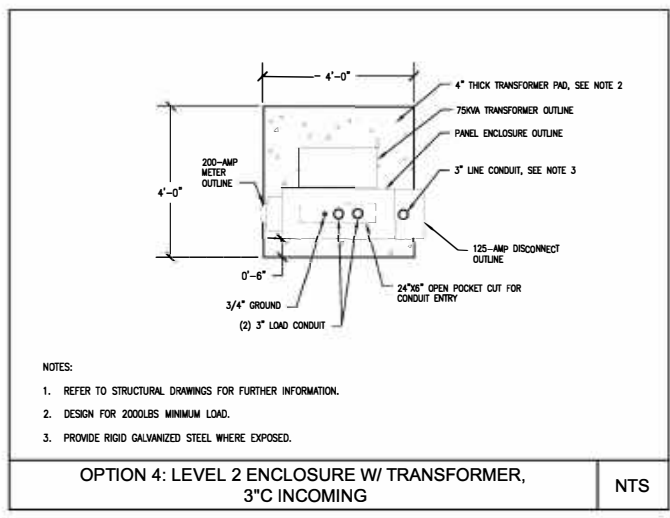
NON-MECHANICALLY ANCHORED M.E.P. PAD DETAIL FOR GARAGE INSTALLATIONS NTS



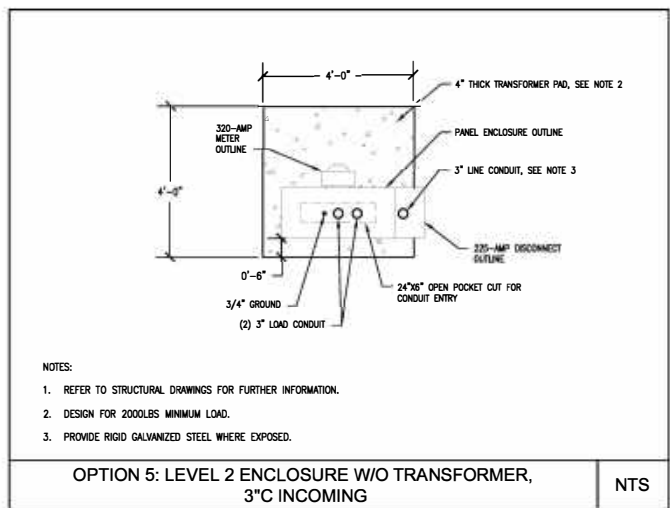
LEVEL 2 CHARGER UNIT CONCRETE PAD PLAN NTS



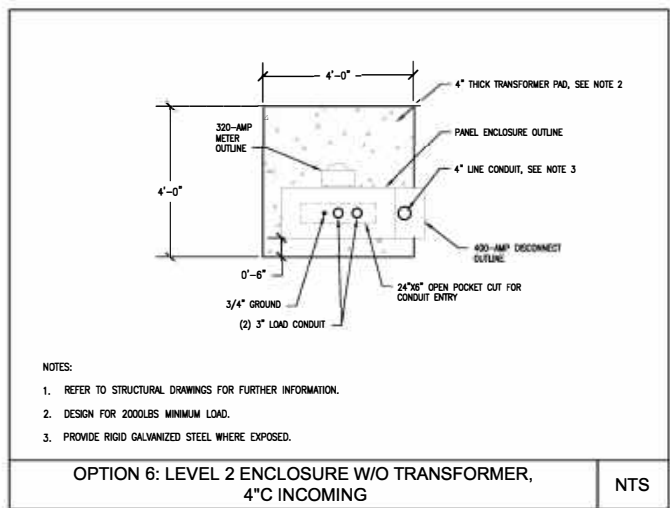
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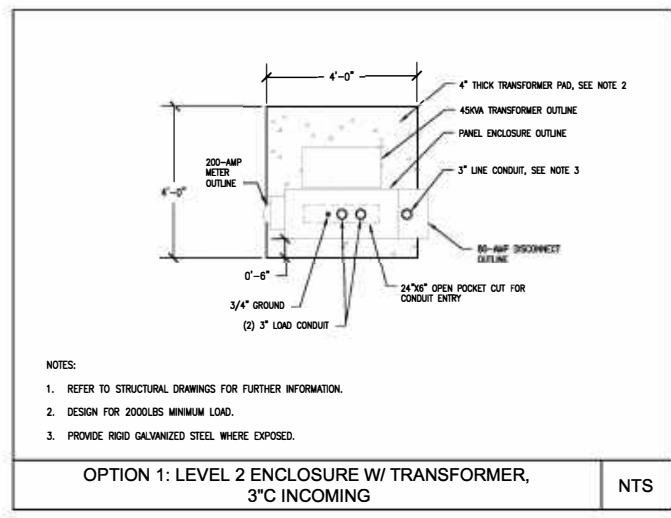
OPTION 4: LEVEL 2 ENCLOSURE W/ TRANSFORMER, 3"C INCOMING NTS



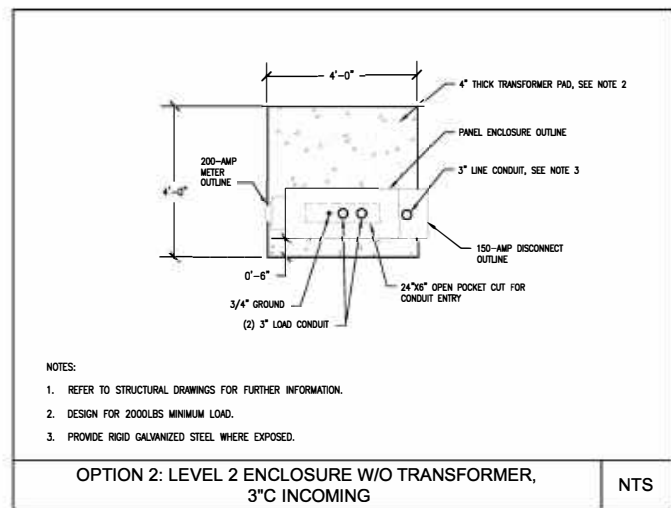
OPTION 5: LEVEL 2 ENCLOSURE W/O TRANSFORMER, 3"C INCOMING NTS



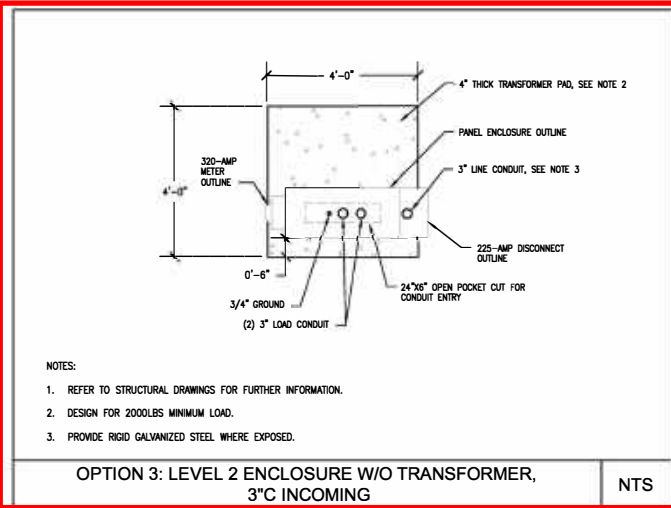
OPTION 6: LEVEL 2 ENCLOSURE W/O TRANSFORMER, 4"C INCOMING NTS



OPTION 1: LEVEL 2 ENCLOSURE W/ TRANSFORMER, 3"C INCOMING NTS



OPTION 2: LEVEL 2 ENCLOSURE W/O TRANSFORMER, 3"C INCOMING NTS



OPTION 3: LEVEL 2 ENCLOSURE W/O TRANSFORMER, 3"C INCOMING NTS

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PROJECT NO: 10-19-0005.536
DRAWN BY: T.R.
CHECKED BY: D.C.



EV INFRASTRUCTURE
ELECTRICAL DETAILS,
SHEET 4

| REV | DATE | DESCRIPTION |
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| 1 | 12/16/2022 | ISSUED FOR REVIEW |
| 0 | 11/11/2022 | ISSUED FOR REVIEW |

TITLE:
EVERSOURCE
EV MAKE READY
2020 LEVEL 2 EV
MODIFICATIONS

IT IS A VIOLATION OF THE LAW FOR ANY
PERSON, UNLESS THEY ARE ACTING UNDER THE
DIRECTION OF A LICENSED PROFESSIONAL
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TRURO DPW, 11
CENTER ROAD, TRURO,
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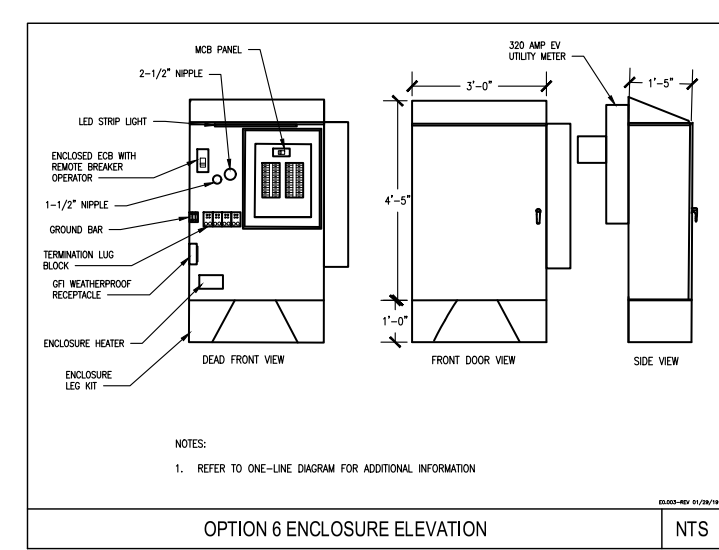
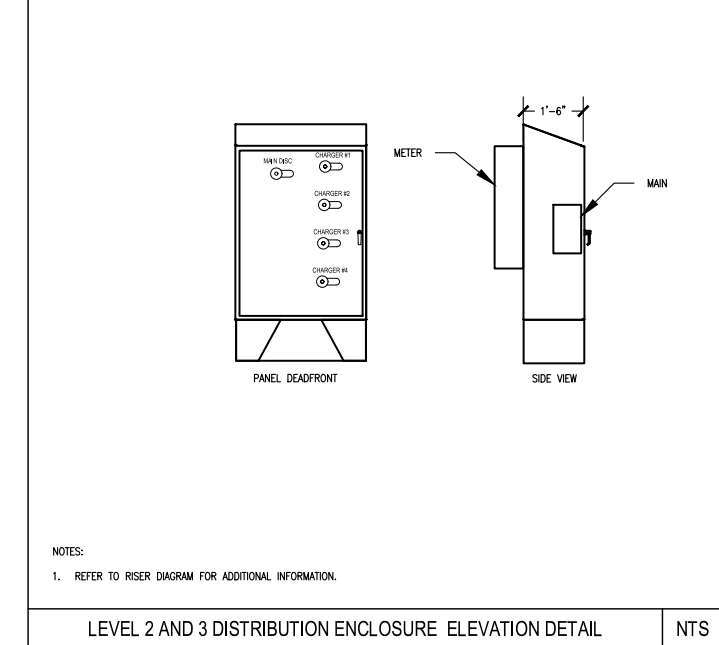
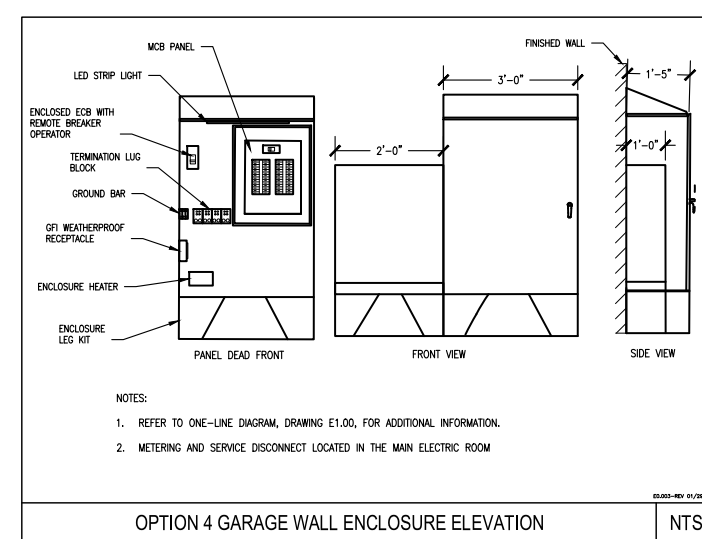
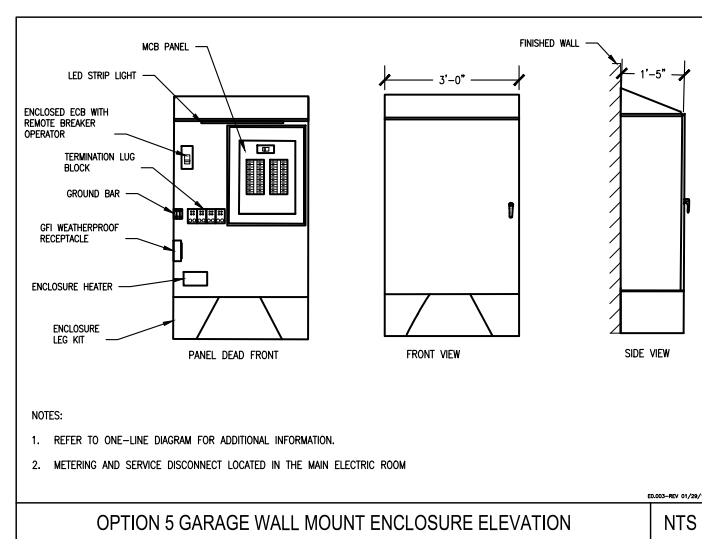
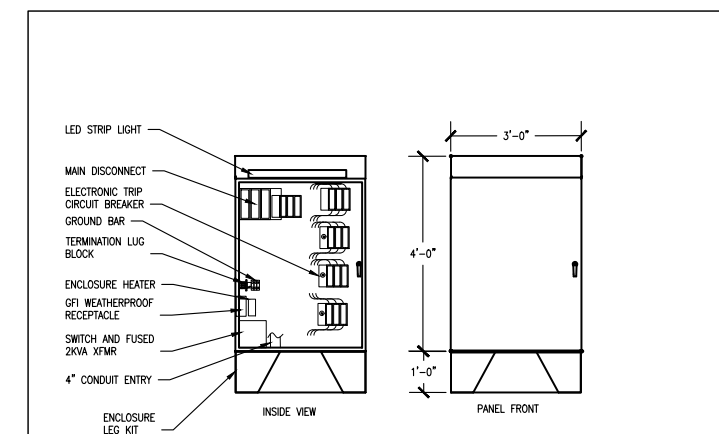
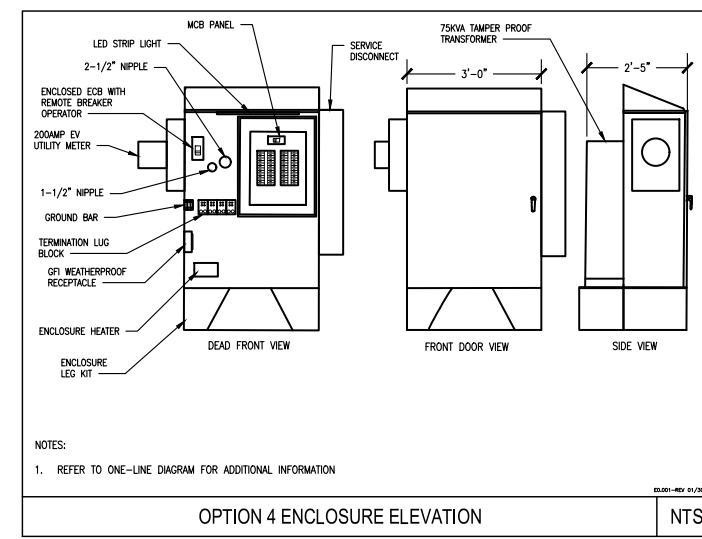
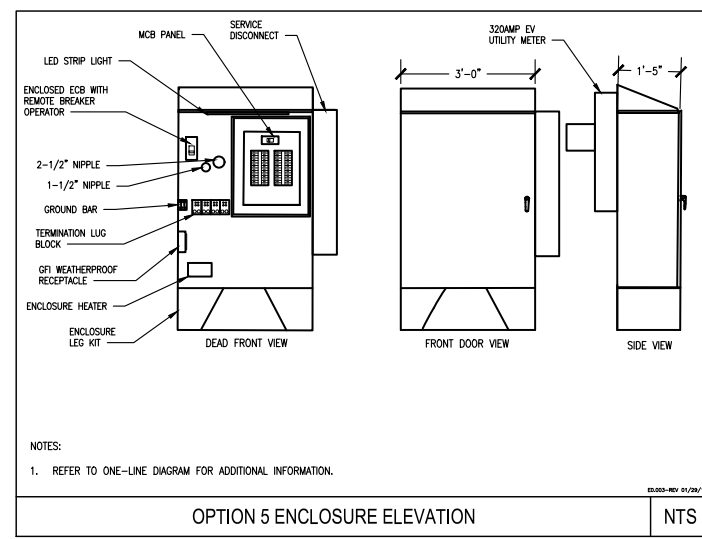
ELECTRIC VEHICLE
CHARGING STATIONS

SHEET TITLE
ELECTRICAL DETAILS
SHEET 4

SHEET NUMBER
E-6

1" = 1'-0"
EACH BLOCK REPRESENTS ONE
FOOT IN THE SCALE INDICATED

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OWNER REVIEW

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REVIEWED BY: MOB
JOB NUMBER: BEEV19C
DRAWING NO. E2.04

GENERAL CONSTRUCTION NOTES:

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL BUILDING CODE, THE LATEST ADOPTED EDITION AND ALL OTHER APPLICABLE CODES AND ORDINANCES.
2. CONTRACTOR SHALL CONSTRUCT SITE IN ACCORDANCE WITH THESE DRAWINGS AND LATEST EVERSOURCE CONSTRUCTION STANDARDS. THE SPECIFICATION IS THE RULING DOCUMENT AND ANY DISCREPANCIES BETWEEN THE SPECIFICATION AND THE CONSTRUCTION DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER OR EVERSOURCE CM PRIOR TO THE COMMENCEMENT OF WORK.
3. CONTRACTOR SHALL VISIT THE JOB SITE AND SHALL FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PROVISIONS AS TO THE COST THEREOF. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED, AS SHOWN, PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER OR EVERSOURCE CM PRIOR TO THE COMMENCEMENT OF WORK. NO COMPENSATION WILL BE AWARDED BASED ON CLAIM OF LACK OF KNOWLEDGE OF FIELD CONDITIONS.
4. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. CONTRACTOR IS REQUIRED TO FURNISH AND INSTALL ANY/ALL ITEMS FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM SUBJECT ONLY TO OWNER-SUPPLIED ITEMS. CONTRACTOR SHALL PROVIDE ANY/ALL REQUIREMENTS FOR THE EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
5. PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT AND APPURTENANCE, AND LABOR NECESSARY TO EFFECT ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
6. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENTS IS REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS. SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS AND/OR DESIGN INTENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING ANY DISCREPANCIES TO THE ATTENTION TO THE EVERSOURCE CM, IN WRITING, PRIOR TO THE COMMENCEMENT OF WORK.
7. DETAILS PROVIDED ARE FOR THE PURPOSE OF SHOWING DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR SITE CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
8. CONTRACTOR SHALL PAY FOR APPLICABLE PERMITS, FEES, INSPECTIONS AND TESTING. CONTRACTOR IS TO OBTAIN PERMITS AND APPROVED SUBMITTALS PRIOR TO ORDERING MATERIALS AND THE COMMENCEMENT OF WORK.
9. THE TERM "PROVIDE" USED IN CONSTRUCTION DOCUMENTS AND SPECIFICATIONS, INDICATES THAT THE CONTRACTOR SHALL FURNISH AND INSTALL.
10. CONTRACTOR SHALL RECEIVE CLARIFICATION IN WRITING, AND SHALL RECEIVE IN WRITING AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEMS NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
11. CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING ACCEPTED INDUSTRY-STANDARD SKILL AND ATTENTION. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER CONTRACT, UNLESS OTHERWISE NOTED.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORK AREA AND BUILDING ADJACENT AREAS OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT, WORK SHALL CONFORM TO ALL OSHA REQUIREMENTS.
13. CONTRACTOR SHALL COORDINATE THEIR WORK WITH THE EVERSOURCE CM AND SCHEDULE THEIR ACTIVITIES AND WORKING HOURS IN ACCORDANCE WITH THE REQUIREMENTS.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THEIR WORK WITH THE WORK OF OTHERS AS IT MAY RELATE TO ALL PORTIONS OF THE WORK.
15. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS UNLESS SPECIFICALLY OTHERWISE INDICATED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
16. CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING SURFACES, EQUIPMENT, IMPROVEMENTS, PIPING ETC. AND IMMEDIATE REPAIR, TO NEW CONDITION, ANY DAMAGE THAT OCCURS DURING CONSTRUCTION AT THE SOLE COST OF THE CONTRACTOR.

17. IN DRILLING HOLES, OR CORING, INTO CONCRETE WHETHER FOR FASTENING OR ANCHORING PURPOSES, OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS, PIPE RUNS ETC. MUST BE CLEARLY UNDERSTOOD THAT REINFORCING STEEL SHALL NOT BE DRILLED INTO, CUT OR DAMAGED UNDER ANY CIRCUMSTANCES (UNLESS NOTED OTHERWISE). LOCATIONS OF REINFORCING STEELS ARE NOT DEFINITELY KNOWN AND THEREFORE MUST BE LOCATED BY THE CONTRACTOR USING APPROPRIATE METHODS AND EQUIPMENT PRIOR TO ANY DRILLING OR CORING OPERATIONS IN EXISTING CONCRETE.
18. CONTRACTOR SHALL REPAIR, TO NEW CONDITION, ALL EXISTING WALL SURFACES DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND IN WITH ADJACENT SURFACES.
19. CONTRACTOR SHALL SEAL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES OR MATERIALS WITH U.L. LISTED AND FIRE CODE APPROVED MATERIALS AND SYSTEMS THAT MEET OR EXCEED THE RATING OF THE ASSEMBLY IN WHICH THE NEW PENETRATION IS PLACED.
20. CONTRACTOR SHALL KEEP CONTRACT AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS AND RUBBISH. EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY OF THE OWNER SHALL BE REMOVED. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST OR SMUDGES OF ANY NATURE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ITEMS UNTIL COMPLETION OF CONSTRUCTION.
21. MINIMUM BEND RADIUS OF CABLES SHALL BE IN ACCORDANCE WITH CABLE MANUFACTURERS RECOMMENDATIONS.
22. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION SHALL BE IN COMFORMANCE WITH JURISDICTIONAL OR STATE AND LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL AND COORDINATED WITH LOCAL REGULATORY AUTHORITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ANY EROSION CONTROL MEASURES, RECORD-KEEPING, MONITORING, AND REPORTING TO THE OWNER AND REGULATORY AUTHORITIES.
23. ALL CONSTRUCTION WORK IS TO ADHERE TO APPLICANT'S INTEGRATED CONSTRUCTION STANDARDS UNLESS STATE OR LOCAL CODE IS MORE STRINGENT.
24. THE INTENT OF THE PLANS AND SPECIFICATION IS TO PERFORM THE CONSTRUCTION IN ACCORDANCE PER STATE BUILDING STANDARDS CODE AND STATE CODE OF REGULATIONS, SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE APPROVED PLANS AND SPECIFICATIONS WHEREIN THE FINISHED WORK WILL NOT COMPLY PER STATE CODE OF REGULATIONS, A SCOPE OF WORK DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE JURISDICTION BEFORE PROCEEDING WITH THE WORK. A CHANGE ORDER FOR THAT SCOPE SHALL BE SUBMITTED TO THE EVERSOURCE CM PRIOR TO PROCEEDING WITH THE WORK.
25. ADEQUATE AND REQUIRED LIABILITY INSURANCE SHALL BE PROVIDED BY THE CONTRACTOR FOR PROTECTION AGAINST THE PUBLIC LOSS AND/ANY PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
26. CONTRACTOR SHALL GUARANTEE ANY/ALL MATERIALS AND WORK FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE. ANY CORRECTIVE WORK SHALL BE COMPLETED AT THE SOLE COST OF THE CONTRACTOR.

ELECTRICAL NOTES:

1. ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ANY/ALL ELECTRICAL WORK INDICATED. ANY/ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND ANY/ALL APPLICABLE SPECIFICATIONS. IF ANY PROBLEMS ARE ENCOUNTERED BY COMPLYING WITH THESE REQUIREMENTS, CONTRACTOR SHALL NOTIFY EVERSOURCE CM AS SOON AS POSSIBLE, AFTER THE DISCOVERY OF THE PROBLEMS, AND SHALL NOT PROCEED WITH THAT PORTION OF WORK, UNTIL THE EVERSOURCE CM HAS DIRECTED THE CORRECTIVE ACTION TO BE TAKEN.
2. ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH ANY/ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATION INSTALLATION AND MAKE PROVISION AS TO THE COST THEREOF ALL EXISTING CONDITION OF ELECTRICAL EQUIPMENT, ETC. THAT ARE PART OF THE FINAL SYSTEM, SHALL BE VERIFIED BY THE CONTRACTOR, PRIOR TO THE SUBMITTING OF THEIR BID. FAILURE TO COMPLY WITH THIS PARAGRAPH WILL IN NO WAY RELIEVE CONTRACTOR OF PERFORMING ALL WORK NECESSARY FOR A COMPLETE AND WORKING SYSTEM.

3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE NEC, ALL CODES AND ORDINANCES OF THE LOCAL JURISDICTION, AND POWER AND TELEPHONE COMPANIES HAVING JURISDICTION AND SHALL INCLUDE BUT ARE NOT LIMITED TO:
 - A) UL-UNDERWRITERS LABORATORIES
 - B) NEC-NATIONAL ELECTRICAL CODE
 - C) NEMA-NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
 - D) OSHA-OCCUPATIONAL SAFETY AND HEALTH ACT
 - E) SBC-STANDARD BUILDING CODE
 - F) NFPA-NATIONAL FIRE PROTECTION AGENCY
 - G) ANSI-AMERICAN NATIONAL STANDARDS INSTITUTE
 - H) IEEE-INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
 - I) ASTM-AMERICAN SOCIETY FOR TESTING MATERIALS
4. REFER TO SITE PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT, AND CONFIRM WITH EVERSOURCE CM ANY SIZES AND LOCATIONS WHEN NEEDED.
5. EXISTING SERVICES: CONTRACTOR SHALL NOT INTERRUPT EXISTING SERVICES WITHOUT WRITTEN PERMISSION OF THE OWNER.
6. CONTRACTOR SHALL CONFIRM WITH LOCAL UTILITY COMPANY ANY/ALL REQUIREMENTS SUCH AS THE : LUG SIZE RESTRICTIONS, CONDUIT ENTRY, SIZE OF TRANSFORMERS SCHEDULED DOWNTIME FOR OWNERS' CONFIRMATION, ETC... ANY/ALL CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE EVERSOURCE CM, PRIOR TO BEGINNING ANY WORK.
7. MINIMUM WIRE SIZE SHALL BE #12 AWG, NOT INCLUDING CONTROL WIRING, UNLESS NOTED OTHERWISE. ALL CONDUCTORS SHALL BE COPPER WITH THWN INSULATION, UNLESS OTHERWISE NOTED.
8. OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET/DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
9. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF THE CONSTRUCTION. CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS FOR THE EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
10. ELECTRICAL SYSTEM SHALL BE AS COMPLETELY AND EFFECTIVELY GROUNDED, AS REQUIRED BY SPECIFICATIONS, SET FORTH BY APPLICANT.
11. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS, WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY FUNCTIONAL AND SHALL BE APPROVED BY THE EVERSOURCE CM AND LOCAL JURISDICTION. ANY DEFICIENCIES SHALL BE CORRECTED BY AN ELECTRICAL CONTRACTOR AT THE SOLE COST OF THE CONTRACTOR.
12. ALL WORK SHALL BE COORDINATED WITH OWNER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
13. THE CORRECTION OF ANY DEFECTS SHALL BE COMPLETED BY THE CONTRACTOR WITHOUT ANY ADDITIONAL CHARGE AND SHALL INCLUDE THE REPLACEMENT OR THE REPAIR OF ANY OTHER PHASE OF THE INSTALLATION, WHICH MAY HAVE BEEN DAMAGED THEREIN.
14. CONTRACTOR SHALL PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULL WIRES, BOXES, COVER PLATES AND DEVICES FOR ALL OUTLETS AS INDICATED.
15. DITCHING AND BACK FILL: CONTRACTOR SHALL PROVIDE FOR ALL UNDERGROUND INSTALLED CONDUIT AND/OR CABLES INCLUDING EXCAVATION AND BACKFILLING AND COMPACTION. REFER TO NOTES AND REQUIREMENTS "EXCAVATION AND BACKFILLING".
16. MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SHALL APPEAR ON THE LIST OF U.L. APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF THE NEC, NEMA AND IEC.
17. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR MANUFACTURER'S CATALOG INFORMATION OF ANY/ALL EQUIPMENT AND ALL OTHER ELECTRICAL ITEMS FOR APPROVAL BY THE EVERSOURCE CM PRIOR TO INSTALLATION.
18. ANY CUTTING OR PATCHING DEEMED NECESSARY FOR ELECTRICAL WORK IS THE ELECTRICAL CONTRACTORS RESPONSIBILITY AND SHALL BE INCLUDED IN THE COST FOR WORK AND PERFORMED TO THE SATISFACTION OF THE EVERSOURCE CM UPON FINAL ACCEPTANCE.
19. THE ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELS WITH ONLY TYPE WRITTEN DIRECTORIES. ALL ELECTRICAL WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
20. DISCONNECT SWITCHES SHALL BE UL-RATED, H.P. RATED, H.P. RATED HEAVY-DUTY, QUICK-MAKE AND QUICK-BREAK ENCLOSURES, AS REQUIRED BY EXPOSURE TYPE.
21. ALL CONNECTIONS SHALL BE MADE WITH A PROTECTIVE COATING OF AN ANTI-OXIDE COMPOUND KNOWN AS "NO-OXIDE A" BY DEARBORNE CHEMICAL COMPANY. COAT ALL WIRE SURFACES BEFORE CONNECTING. EXPOSED COPPER SURFACES, INCLUDING GROUND BARS, SHALL BE TREATED-NO SUBSTITUTIONS.



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| PROJECT NO: | 10-19-0005.536 |
| DRAWN BY: | T.R. |
| CHECKED BY: | D.C. |

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| 1 | 12/16/2022 | ISSUED FOR REVIEW |
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TRURO DPW, 11
CENTER ROAD, TRURO,
MA 02666

ELECTRIC VEHICLE
CHARGING STATIONS

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

GN-1

ELECTRICAL NOTES CONT'D:

1. RACEWAYS: CONDUIT SHALL BE SCHEDULE 40/80 PVC MEETING OR EXCEEDING NEMA TC2 - 1990. CONTRACTOR SHALL PLUG AND CAP EACH END OF SPARE AND EMPTY CONDUITS AND PROVIDE TWO SEPARATE PULL STRINGS - 200 LBS TEST POLYETHYLENE CORD. ALL CONDUIT BENDS SHALL BE A MINIMUM OF 2 FT. RADIUS. RGS FITTINGS SHALL BE SUITABLE FOR USE WITH THREADED RIDGED CONDUIT. COAT ALL THREADS WITH "BRITE ZINC" OR "COLD GALV."
2. SUPPORT OF ALL ELECTRICAL WORK SHALL BE AS REQUIRED BY NEC.
3. CONDUCTORS: CONTRACTOR SHALL USE 98% CONDUCTIVITY COPPER WITH TYPE THWN INSULATION, UNLESS OTHERWISE NOTED, 600 VOLT, COLOR CODED. USE SOLID CONDUCTORS FOR WIRE UP TO AND INCLUDING NO. 8 AWG. USE STANDARD CONDUCTORS FOR WIRE ABOVE NO. 8 AWG.
4. CONNECTORS FOR POWER CONDUCTORS: CONTRACTOR SHALL USE PRESSURE TYPE INSULATED TWIST-ON CONNECTORS FOR NO. 10 AWG AND SMALLER. USE SOLDERLESS MECHANICAL TERMINAL LUGS FOR NO. 8 AWG LARGER.
5. SERVICE: AS SPECIFIED ON THE DRAWINGS, OWNER OR OWNER'S AGENT WILL APPLY FOR POWER. ALL PROVISIONS FOR TEMPORARY POWER WILL BE OBTAINED BY THE CONTRACTOR.
6. TELEPHONE OR FIBRE SERVICE: CONTRACTOR SHALL PROVIDE EMPTY CONDUITS WITH PULL STRINGS AS INDICATED ON DRAWINGS.
7. ELECTRICAL AND TELCO/FIBRE RACEWAYS TO BE BURIED A MINIMUM DEPTH OF 30", UNLESS OTHERWISE NOTED.
8. CONTRACTOR SHALL PLACE 6" WIDE DETECTABLE WARNING TAPE AT A DEPTH OF 6" BELOW GROUND AND DIRECTLY ABOVE ELECTRICAL AND TELCO SERVICE CONDUITS. CAUTIONS TAPE TO READ "CAUTION BURIED ELECTRIC" OR BURIED TELECOMM".
9. ALL BOLTS SHALL BE 3-16 STAINLESS STEEL.

GROUNDING NOTES:

1. ALL HARDWARE SHALL BE 3-16 STAINLESS STEEL, INCLUDING LOCK WASHERS. COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND, AS SPECIFIED, BEFORE MATING. ALL HARDWARE SHALL BE STAINLESS STEEL 3/8 INCH DIAMETER OR LARGER.
2. FOR GROUND BOND TO STEEL ONLY: INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
3. ALL STEEL CONDUIT SHALL BE BONDED AT BOTH ENDS WITH GROUNDING BUSHING.
4. ALL ELECTRICAL AND GROUNDING AT THE POLE SITE SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 780 (LATEST EDITION), AND MANUFACTURER.
5. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION AND CONSTRUCTION MAY VARY DUE TO SITE SPECIFIC CONDITIONS.
6. ALL GROUND CONNECTIONS SHALL BE #6 AWG, UNLESS OTHERWISE NOTED. ALL WIRES SHALL BE COPPER WITH THIN, UNLESS OTHERWISE NOTED. ALL GROUND WIRE SHALL BE SOLID TIM COATED OR STRANDED GREEN INSULATED WIRE.
7. CONTRACTOR TO VERIFY AND TEST GROUND TO SOURCE, 10 OHMS MAXIMUM. PROVIDE SUPPLEMENT GROUNDING RODS AS REQUIRED TO ACHIEVE SPECIFIED OHMS READING. GROUNDING AND OTHER OPTIONAL TESTING WILL BE WITNESSED BY THE EVERSOURCE CM.
8. NOTIFY ARCHITECT/ENGINEER IF THERE ARE ANY DIFFICULTIES INSTALLING GROUNDING SYSTEM DUE TO SITE SOIL CONDITIONS.
9. ALL HORIZONTALLY RUN GROUNDING CONDUCTORS SHALL BE INSTALLED A MINIMUM OF 30" BELOW GRADE/ 6" BELOW FROST-LINE IN TRENCH, UNLESS OTHERWISE NOTED. BACK FILL SHALL BE COMPACTED AS REQUIRED BY ARCHITECT/ENGINEER.
10. ALL GROUND CONDUCTORS SHALL BE RUN AS STRAIGHT AND SHORT AS POSSIBLE, WITH A MINIMUM OF 12" BENDING RADIUS NOT LESS THAN 90 DEGREES.
11. ACCEPTABLE CONDITIONS FOR GROUNDING SYSTEM SHALL BE:
 - A) BURNDY, HY-GRADE U.L. LISTED CONNECTORS FOR OUTDOOR USE OR AS APPROVED BY APPLICANT PROJECT MANAGER.
 - B) CADWELD, EXOTHERMIC WELDS (WELDED CONNECTIONS).
 - C) ONE (1) HOLE TINNED COPPER COMPRESSION (LONG BARREL) FITTINGS.
12. ALL CRIMPED CONNECTION SHALL HAVE EMBOSSED MANUFACTURER'S DIEMARK VISIBLE AT THE CRIMP (RESULTING FROM USE OF PROPER CRIMPING DEVICES) AND WEATHER-PROOFED WITH HEAT SHRINK.

13. ALL CONNECTION HARDWARE SHALL BE TYPE 3-16 STAINLESS STEEL (NOT ATTRACTED TO MAGNETS).
14. ELECTRICAL SERVICE EQUIPMENT GROUNDING SHALL COMPLY WITH NEC, ARTICLE 250-82 AND SHALL BOND ALL EXISTING AND NEW GROUNDING ELECTRODES. NEW GROUNDING ELECTRODE SHALL INCLUDE BUT NOT LIMITED TO GROUND RODS.

SITE WORK NOTES:

1. DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.
2. SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON AS-BUILD DRAWINGS BY GENERAL CONTRACTOR AND ISSUED TO ARCHITECT/ ENGINEER AT COMPLETION OF PROJECT.
3. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS AND THEIR DIMENSIONS SHOWN ON PLANS HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
4. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES BOTH HORIZONTALLY AND VERTICALLY PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT/ENGINEER OR EVERSOURCE CM FOR RESOLUTION AND INSTRUCTIONS, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT/ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT THEIR OWN RISK AND EXPENSE. CONTRACTOR SHALL CALL LOCAL UTILITY LOCATE HOT LINE, SUCH AS 811, FOR UTILITY LOCATIONS A MINIMUM OF 48 HOURS PRIOR TO START OF CONSTRUCTION.
5. ALL NEW AND EXISTING STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK. ANY COST RELATED TO ADJUSTING EXISTING STRUCTURES SHALL BE BORNE SOLELY BY THE CONTRACTOR.
6. GRADING OF THE SITE WORK AREA IS TO BE SMOOTH AND CONTINUOUS IN SLOPE AND IS TO FEATHER INTO EXISTING GRADES AT THE GRADING LIMITS.
7. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
8. STRUCTURAL FILLS SUPPORTING PAVEMENTS SHALL BE COMPACTED TO 95% OF MAXIMUM STANDARD PROCTOR DRY DENSITY, UNLESS OTHERWISE NOTED.
9. NEW GRADES NOT IN BUILDING AND DRIVEWAY IMPROVEMENT AREA TO BE ACHIEVED BY FILLING WITH APPROVED CLEAN FILL AND COMPACTED TO 95 % OF STANDARD PROCTOR DENSITY.

10. ALL FILL SHALL BE PLACED IN UNIFORM LIFTS. THE LIFTS THICKNESS SHOULD NOT EXCEED THAT WHICH CAN BE PROPERLY COMPACTED THROUGHOUT ITS ENTIRE DEPTH WITH THE EQUIPMENT AVAILABLE.
11. ANY FILLS PLACED ON EXISTING SLOPES THAT ARE STEEPER THAN 10 HORIZONTAL TO 1 VERTICAL SHALL BE PROPERLY BENCHED INTO THE EXISTING SLOPE AS DIRECTED BY GEOTECHNICAL ENGINEER.
12. CONTRACTOR SHALL CLEAN ENTIRE SITE AFTER CONSTRUCTION SUCH THAT NO DEBRIS, PAPER, TRASH, WEEDS, BRUSH, EXCESS FILL, OR ANY OTHER DEPOSITS WILL REMAIN. ALL MATERIALS COLLECTED DURING CLEANING OPERATIONS SHALL BE DISPOSED OF OFF-SITE BY THE GENERAL CONTRACTOR.
13. ALL TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH THE IMPROVEMENTS SHALL BE PROTECTED BY THE GENERAL CONTRACTOR.
14. ALL SITE WORK SHALL BE CAREFULLY COORDINATED BY GENERAL CONTRACTOR WITH LOCAL UTILITY COMPANY, AND ANY OTHER UTILITY COMPANIES HAVING JURISDICTION OVER THIS LOCATION.

ENVIRONMENTAL NOTES:

1. ALL WORK PERFORMED SHALL BE DONE IN ACCORDANCE WITH ISSUED PERMITS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF FINES AND PROPER CLEAN UP FOR AREAS IN VIOLATION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS DURING CONSTRUCTION FOR PROTECTION OF ADJACENT PROPERTIES, ROADWAYS AND WATERWAYS. ALL EROSION AND SEDIMENTATION CONTROLS SHALL BE MAINTAINED IN PLACE THROUGH FINAL JURISDICTIONAL INSPECTION AND RELEASE OF SITE.
3. CONTRACTOR SHALL INSTALL/CONSTRUCT ALL NECESSARY SEDIMENT/SILT CONTROL FENCING AND PROTECTIVE MEASURES AS REQUIRED BY THE LOCAL JURISDICTION WITHIN THE LIMITS OF SITE DISTURBANCE PRIOR TO CONSTRUCTION.
4. NO SEDIMENTATION SHALL BE ALLOWED TO EXIT THE PROPERTY. THE CONTRACTOR IS RESPONSIBLE FOR TAKING ADEQUATE MEASURES FOR CONTROLLING EROSION. ADDITIONAL SEDIMENT CONTROL FENCING MAY BE REQUIRED IN ANY AREAS SUBJECT TO EROSION.
5. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE ON THE SITE AT ALL TIMES WITH SILT AND EROSION CONTROL MEASURES MAINTAINED ON THE DOWNSTREAM SIDE OF SITE DRAINAGE. ANY DAMAGE TO THE ADJACENT PROPERTY AS A RESULT OF EROSION WILL BE CORRECTED AT THE CONTRACTORS EXPENSE.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY INSPECTIONS AND ANY REPAIRS OF ALL SEDIMENT CONTROL MEASURES INCLUDING SEDIMENT REMOVAL AS NECESSARY.
7. CLEARING OF VEGETATION AND TREE REMOVAL SHALL BE ONLY AS PERMITTED AND BE HELD TO A MINIMUM. ONLY TREES NECESSARY FOR CONSTRUCTION OF THE FACILITIES SHALL BE REMOVED.
8. SEEDING AND MULCHING AND/OR SODDING OF THE SITE WILL BE ACCOMPLISHED AS SOON AS POSSIBLE AFTER COMPLETION OF THE PROJECT FACILITIES AFFECTING LAND DISTURBANCE.
9. CONTRACTOR SHALL PROVIDE ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS REQUIRED BY LOCAL, COUNTY AND STATE CODES AND ORDINANCES TO PROTECT EMBANKMENTS FROM SOIL LOSS AND TO PREVENT ACCUMULATION OF SOIL AND SILT IN STREAMS AND DRAINAGE PATHS LEAVING THE CONSTRUCTION AREA. THIS MAY INCLUDE, BUT IS NOT LIMITED TO SUCH MEASURES AS SILT FENCES, STRAW BALE SEDIMENT BARRIERS, AND CHECK DAMS.
10. RIP RAP OF SIZES INDICATED SHALL CONSIST OF CLEAN, HARD, SOUND, DURABLE, UNIFORM IN QUALITY STONE FREE OF ANY DETRIMENTAL QUANTITY OF SOFT, FRIABLE, THIN, ELONGATED OR LAMINATED PIECES, DISINTEGRATED MATERIAL, ORGANIC MATTER, OIL, ALKALI, OR OTHER DELETERIOUS SUBSTANCES.
11. GENERAL CONTRACTOR TO PLACE MATERIAL AT ALL CATCH BASINS ADJACENT TO CONSTRUCTION SITE TO PREVENT SOLID WASTE CONTAMINATION FROM ENTERING SEWER SYSTEM.



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|-------------|----------------|
| PROJECT NO: | 10-19-0005.536 |
| DRAWN BY: | T.R. |
| CHECKED BY: | D.C. |

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TRURO DPW, 11
CENTER ROAD, TRURO,
MA 02666

ELECTRIC VEHICLE
CHARGING STATIONS

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-2

FOUNDATION, EXCAVATION AND BACKFILL NOTES:

1. ALL FINAL GRADED SLOPES SHALL BE A MAXIMUM OF 3 HORIZONTAL TO 1 VERTICAL, UNLESS OTHERWISE NOTED.
2. FOR BACKFILL OF POLE IN POOR SOIL AREAS IT IS RECOMMENDED TO USE POLE SETTING FOAM PER MANUFACTURER SPECS.
NON-NATIVE SOIL SHALL BE REMOVED FROM BORE AREA AND SHALL NOT BE REUSED FOR BACKFILL.
3. ALL EXCAVATIONS PREPARED FOR PLACEMENT OF CONCRETE SHALL BE OF UNDISTURBED SOILS, SUBSTANTIALLY HORIZONTAL AND FREE FROM ANY LOOSE, UNSUITABLE MATERIAL OR FROZEN SOILS, AND WITHOUT THE PRESENCE OF POUNDING WATER. DEWATERING FOR EXCESS GROUND WATER SHALL BE PROVIDED WHEN REQUIRED. COMPACTION OF SOILS UNDER CONCRETE PAD FOUNDATIONS SHALL NOT BE LESS THAN 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY FOR THE SOIL IN ACCORDANCE WITH ASTM D1557.
4. CONCRETE FOUNDATION SHALL NOT BE PLACED ON ORGANIC OR UNSUITABLE MATERIAL. IF ADEQUATE BEARING CAPACITY IS NOT ACHIEVED AT THE DESIGNED EXCAVATION DEPTH, THE UNSATISFACTORY SOIL SHALL BE EXCAVATED TO ITS FULL DEPTH AND EITHER BE REPLACED WITH MECHANICALLY COMPACTED GRANULAR MATERIAL OR THE EXCAVATION SHALL BE FILLED WITH CONCRETE OF THE SAME TYPE SPECIFIED FOR THE FOUNDATION. CRUSHED STONE MAY BE USED TO STABILIZE THE BOTTOM OF EXCAVATION. ANY STONE SUB BASE MATERIAL, IF USED, SHALL NOT SUBSTITUTE FOR REQUIRED THICKNESS OF CONCRETE.
5. ALL EXCAVATION SHALL BE CLEAN OF UNSUITABLE MATERIAL SUCH AS VEGETATION, TRASH, DEBRIS, AND SO FORTH PRIOR TO BACK FILLING. BACK FILL SHALL CONSIST OF APPROVED MATERIAL SUCH AS EARTH, LOAM, SANDY CLAY, SAND AND GRAVEL, OR SOFT SHALE, FREE FROM CLODS OR LARGE STONES OVER 2 1/2" MAX DIMENSIONS. ALL BACK FILL SHALL BE PLACED IN COMPACTED LAYERS.
6. ALL FILL MATERIALS AND FOUNDATION BACK FILL SHALL BE PLACED IN MAXIMUM 6" THICK LIFTS BEFORE COMPACTION. EACH LIFT SHALL BE WETTED IF REQUIRED AND COMPACTED TO NOT LESS THAN 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY FOR SOIL IN ACCORDANCE WITH ASTM D1557.
7. NEWLY PLACED CONCRETE FOUNDATIONS SHALL CURE A MINIMUM OF 72 HOURS PRIOR TO BACK FILLING.
8. FINISHED GRADING SHALL BE SLOPED TO PROVIDE POSITIVE DRAINAGE AND PREVENT STANDING WATER. THE FINAL (FINISH) ELEVATION OF SLAB FOUNDATIONS SHALL SLOPE AWAY IN ALL DIRECTION FROM THE CENTER. FINISH GRADE OF CONCRETE PADS SHALL BE A MAXIMUM OF 4 INCHES ABOVE FINAL FINISH GRADE ELEVATIONS WHERE REQUIRED.
9. NEWLY GRADED GRAVEL SURFACE AREAS TO RECEIVE GRAVEL SHALL BE COVERED WITH GEOTEXTILE FABRIC TYPE: TYPAR-3401 AS MANUFACTURED BY TYPAR GEOSYNTHETICS OR AN APPROVED EQUIVALENT, SHOWN ON PLANS. THE GEOTEXTILE FABRIC SHALL BE BLACK IN COLOR TO CONTROL THE RECURRENCE OF VEGETATIVE GROWTH AND EXTEND TO WITHIN 1 FOOT OUTSIDE THE SITE FENCING OR ELECTRICAL GROUNDING SYSTEM PERIMETER WHICHEVER IS GRATER. ALL FABRIC SHALL BE COVERED WITH A MINIMUM OF 4" DEEP COMPACTED STONE OR GRAVEL AS SPECIFIED. I.E. DOT TYPE NO. 57 FOR FENCED COMPOUND: DOT TYPE NO. 67 FOR ACCESS DRIVE AREA, UNLESS OTHERWISE NOTED.
10. IN ALL AREAS TO RECEIVE FILL: REMOVE ALL VEGETATION, TOPSOIL, DEBRIS, WET AND UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIAL FROM GROUND SURFACE. PLOW STRIP OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL SUCH THAT FILL MATERIAL WILL BIND WITH EXISTING/PREPARED SOIL SURFACE.
11. WHEN SUB GRADE OR PREPARED GROUND SURFACE HAS A DENSITY LESS THAN THAT REQUIRED FOR THE FILL MATERIAL, SCARIFY THE GROUND SURFACE TO DEPTH REQUIRED. PULVERIZE, MOISTURE-CONDITION AND/OR AERATE THE SOILS AND RECOMPACT TO THE REQUIRED DENSITY PRIOR TO PLACEMENT OF FILLS.
12. IN AREAS WHICH EXISTING GRAVEL SURFACING IS REMOVED OR DISTURBED DURING CONSTRUCTION OPERATIONS, REPLACE GRAVEL SURFACING TO MATCH ADJACENT GRAVEL SURFACING AND RESTORED TO THE SAME THICKNESS AND COMPACTION AS SPECIFIED. ALL RESTORED GRAVEL SURFACING SHALL BE FREE FROM CORRUGATIONS AND WAVES.

13. EXISTING GRAVEL SURFACING MAY NOT BE REUSED.
14. GRAVEL SUB SURFACE SHALL BE PREPARED TO REQUIRED COMPACTION AND SUB GRADE ELEVATIONS BEFORE GRAVEL SURFACING IS PLACED AND/OR RESTORED. ANY LOOSE OR DISTURBED MATERIALS SHALL BE THOROUGHLY COMPACTED AND ANY DEPRESSIONS IN THE SUB GRADE SHALL BE FILLED AND COMPACTED WITH APPROVED SELECTED MATERIAL. GRAVEL SURFACING MATERIAL SHALL NOT BE USED FOR FILLING DEPRESSION IN THE SUB GRADE.
15. PROTECT EXISTING GRAVEL SURFACING AND SUB GRADE IN AREAS WHERE EQUIPMENT LOADS WILL OPERATE. USE PLANKING "MATTS" OR OTHER SUITABLE PROTECTION DESIGNED TO SPREAD EQUIPMENT LOADS AS MAY BE NECESSARY. REPAIR ANY DAMAGE TO EXISTING GRAVEL SURFACING OR SUB GRADE WHERE SUCH DAMAGE IS DUE TO THE CONTRACTORS OPERATIONS.
16. DAMAGE TO EXISTING STRUCTURES AND/OR UTILITIES RESULTING FROM CONTRACTORS NEGLIGENCE SHALL BE REPAIRED AND/OR REPLACED TO THE OWNERS SATISFACTION AT NO ADDITIONAL COST TO THE CONTRACTOR.
17. ALL SUITABLE BORROW MATERIAL FOR BACK FILL OF THE SITE SHALL BE INCLUDED IN THE BID. EXCESS TOPSOIL AND UNSUITABLE MATERIAL SHALL BE DISPOSED OF OFF-SITE AT LOCATIONS APPROVED BY GOVERNING AGENCIES AT NO ADDITIONAL COST TO THE CONTRACT.



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| CHECKED BY: | D.C. |

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TRURO DPW, 11
CENTER ROAD, TRURO,
MA 02666

ELECTRIC VEHICLE
CHARGING STATIONS

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-3

EVERSOURCE ENERGY

ELECTRIC VEHICLE CHARGING STATIONS
 SITE NAME: TRURO DPW, 36 SHORE RD, TRURO, MA
 02666

SITE TYPE: EV INFRASTRUCTURE ELECTRICAL OPTION 3
 JURISDICTION: BARNSTABLE COUNTY

EVERSOURCE APPROVED

NAME: _____
 SIGNED: _____
 DATE: _____

CLIENT/OWNER APPROVED

NAME: _____
 SIGNED: _____
 DATE: _____

CLIENT POST CONSTRUCTION APPROVED

NAME: _____
 SIGNED: _____
 DATE: _____



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TRURO DPW, 36 SHORE RD, TRURO, MA 02666
 ELECTRIC VEHICLE CHARGING STATIONS

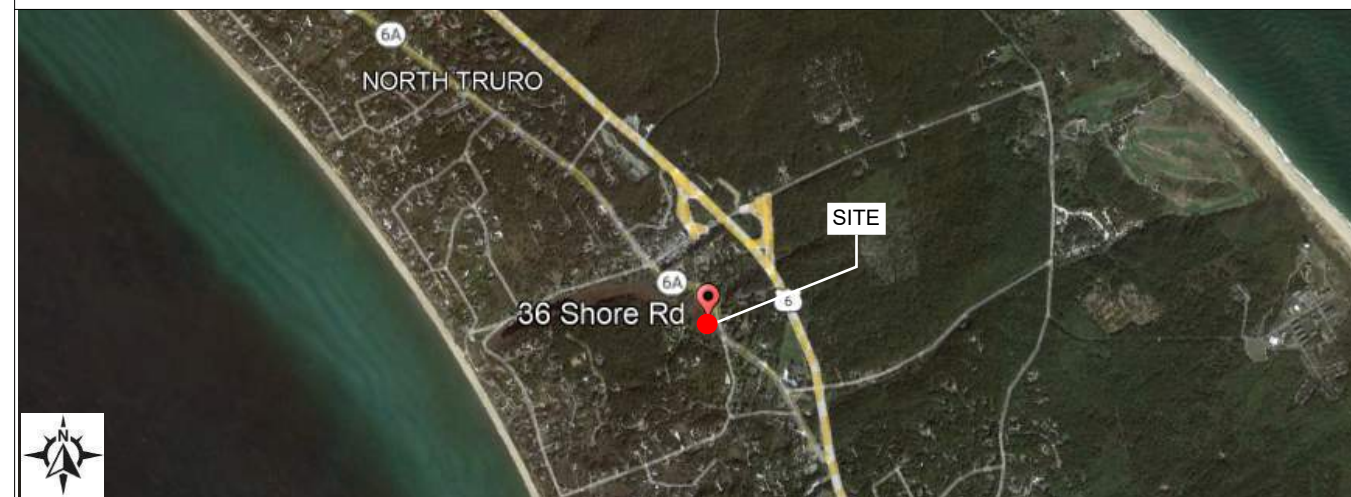
SHEET TITLE
TITLE SHEET & PROJECT DATA

SHEET NUMBER
T-1

SITE INFORMATION

PROPOSED EV SITE ADDRESS: 36 SHORE RD, TRURO, MA 02666
 PROPERTY OWNER: TRURO DPW
 EQUIPMENT SUPPLIER: MERRIMAC INDUSTRIAL
 POWER COMPANY: EVERSOURCE ENERGY
 JURISDICTION: BARNSTABLE COUNTY
 LATITUDE: 42° 1'57.09"N
 LONGITUDE: 70° 4'55.73"W
 CONTACT ENGINEER: SEAN TULLY
 EVERSOURCE SUPPLY POLE: #36/1555
 EVERSOURCE WO#: TBD

AREA MAP



LOCATION MAP



IMPORTANT SITE NOTES

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPENCIES BEFORE PROCEEDING WITH THE WORK

SCOPE OF WORK

MAKE READY INSTALLATION FOR ELECTRIC VEHICLE CHARGING STATIONS AND ASSOCIATED SUPPORT EQUIPMENT AT GROUND AND UNDERGROUND LEVEL

APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES: MA STATE BUILDING CODE, 9TH EDITION
 MA STATE PLUMBING CODE
 MA STATE MECHANICAL CODE
 MA ELECTRICAL CODE
 MA FIRE PREVENTION REGULATIONS
 IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL

DRAWING INDEX

| SHEET NO. | SHEET TITLE |
|-----------|----------------------------------|
| T-1 | TITLE SHEET & PROJECT DATA |
| C-1 | AERIAL SITE VIEW |
| C-2 | PROPOSED GROUND LEVEL SITE VIEW |
| C-3 | PROPOSED SITE PLAN |
| C-4 | EVERSOURCE SKETCH |
| D-1 | INSTALLATION DETAILS |
| L-1 | LEGEND AND NOTES |
| E-1 | EV INFRASTRUCTURE RISER DIAGRAMS |
| E-2 | EV INFRASTRUCTURE RISER DIAGRAMS |
| E-3 | ELECTRICAL DETAILS SHEET 1 |
| E-4 | ELECTRICAL DETAILS SHEET 2 |
| E-5 | ELECTRICAL DETAILS SHEET 3 |
| E-6 | ELECTRICAL DETAILS SHEET 4 |
| E-7 | ELECTRICAL DETAILS SHEET 5 |
| GN-1 | GENERAL NOTES |
| GN-2 | GENERAL NOTES |
| GN-3 | GENERAL NOTES |

ARCHITECT/ENGINEER



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 Massachusetts, 02136

CALL BEFORE YOU DIG

UNDERGROUND SERVICE ALERT
 UTILITY NOTIFICATION CENTER OF MASSACHUSETTS
 811 OR +1 888-344-7233
 3 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION



DIGSAFE MARKED:
 DIGSAFE CALLED IN:
 DIGSAFE NUMBER: _____
 START DATE: _____
 EXPIRY DATE: _____

IMPORTANT NOTICE

THE EXISTING CONDITIONS REPRESENTED HEREIN ARE BASED ON VISUAL OBSERVATIONS AND INFORMATION PROVIDED BY OTHERS. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. REPORT ALL CONFLICTS OR DISCREPENCIES PRIOR TO CONSTRUCTION.



MM MAVERICK

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EVERSOURCE
ENERGY

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TRURO DPW, 36 SHORE RD, TRURO, MA 02666

ELECTRIC VEHICLE CHARGING STATIONS



SHEET TITLE
AERIAL SITE VIEW

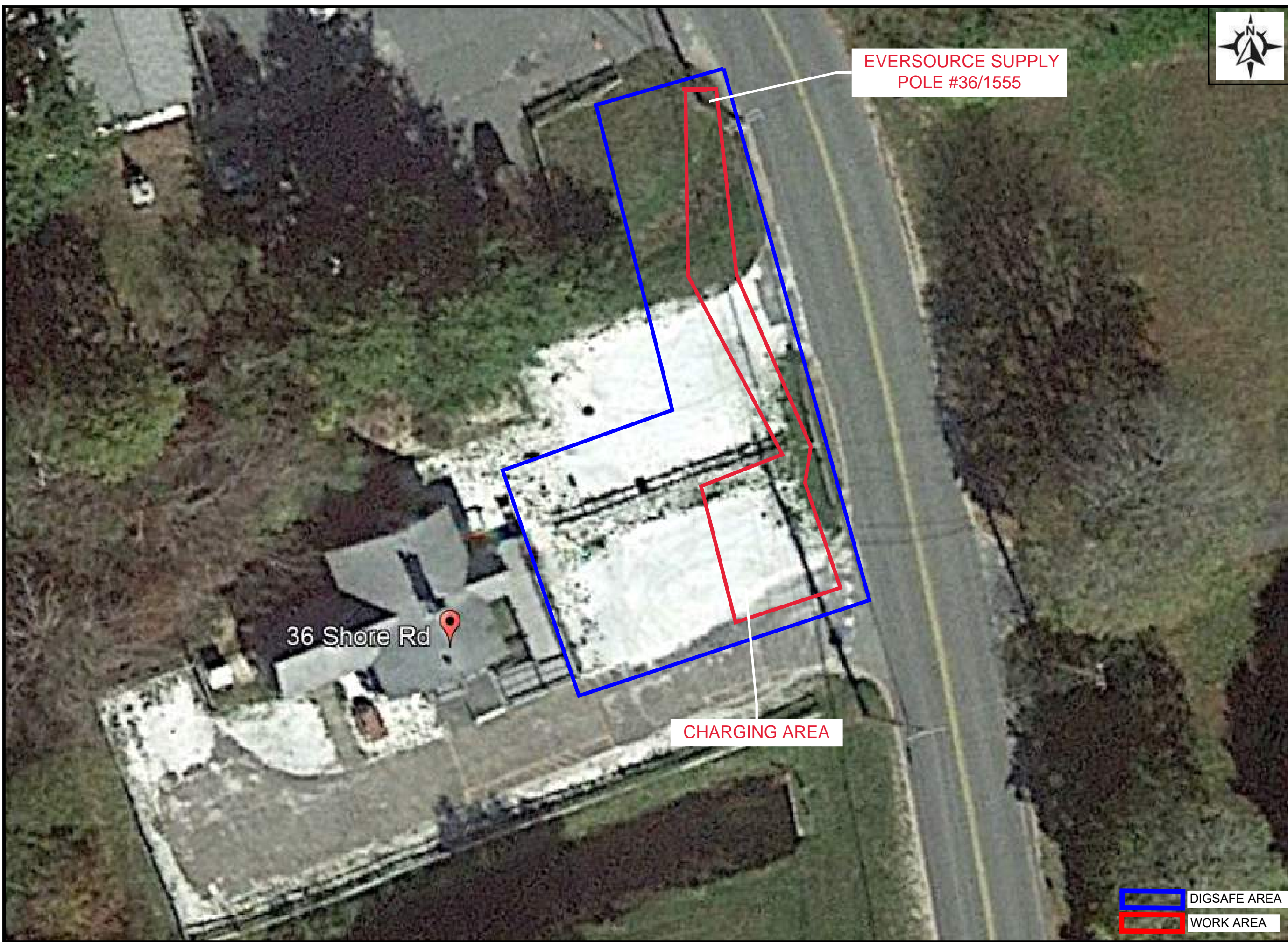
SHEET NUMBER
C-1

EVERSOURCE SUPPLY POLE #36/1555

36 Shore Rd

CHARGING AREA

 DIGSAFE AREA
 WORK AREA



EVERSOURCE W.O.#: TBD



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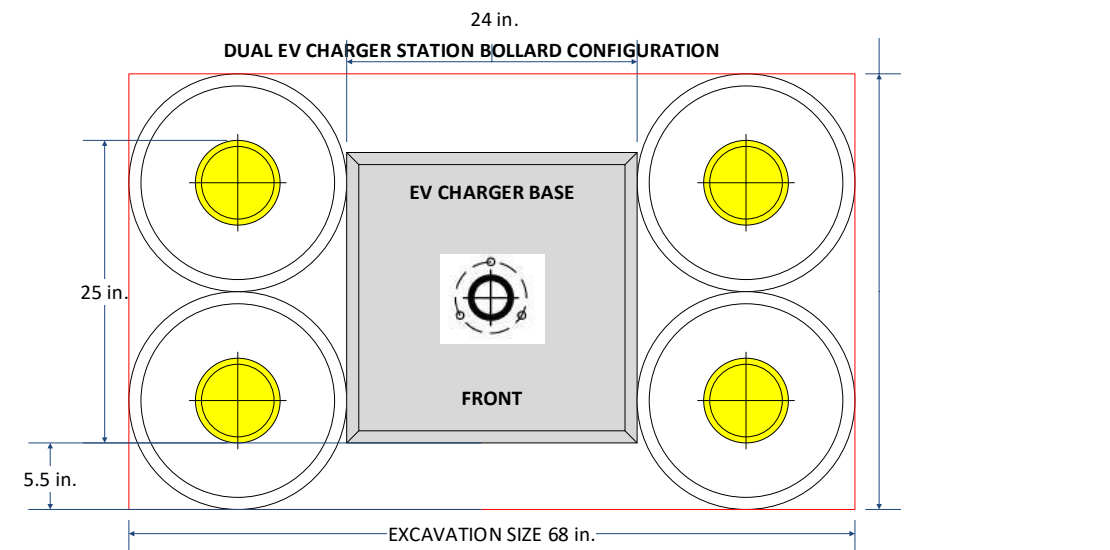
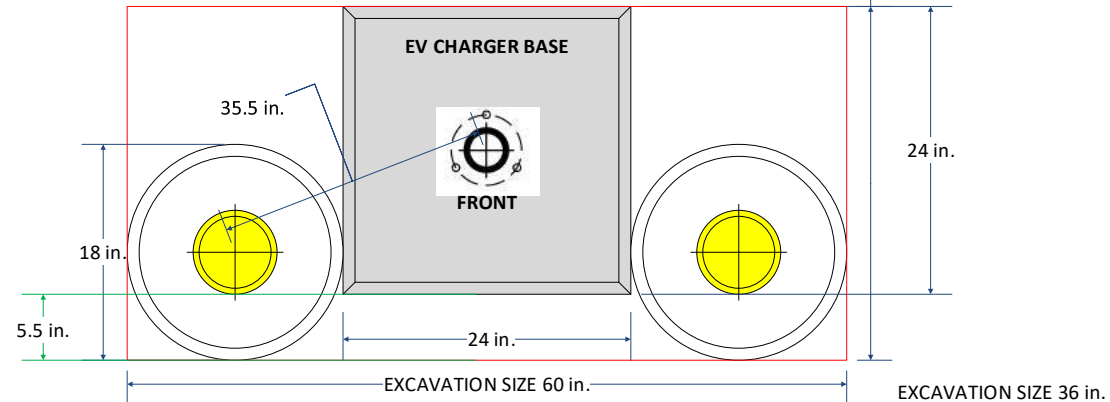
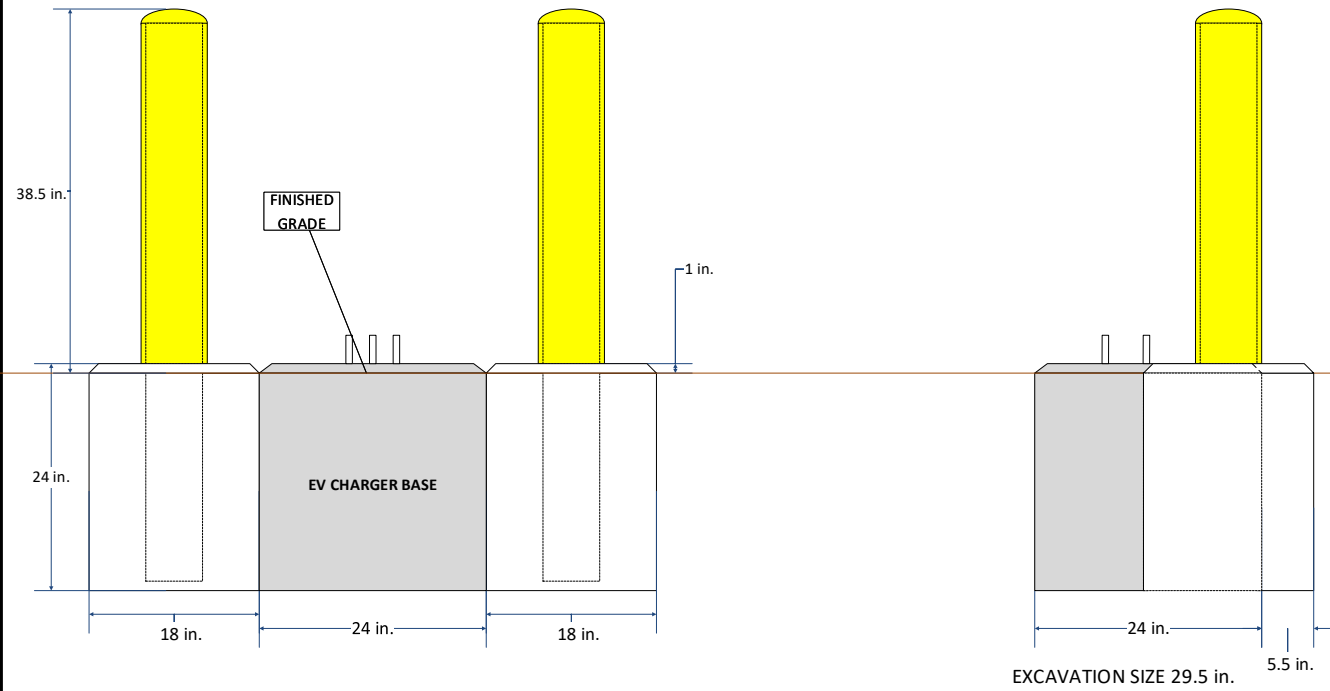
TRURO DPW, 36 SHORE
RD, TRURO, MA 02666

ELECTRIC VEHICLE
CHARGING STATIONS

SHEET TITLE
EVERSOURCE SKETCH

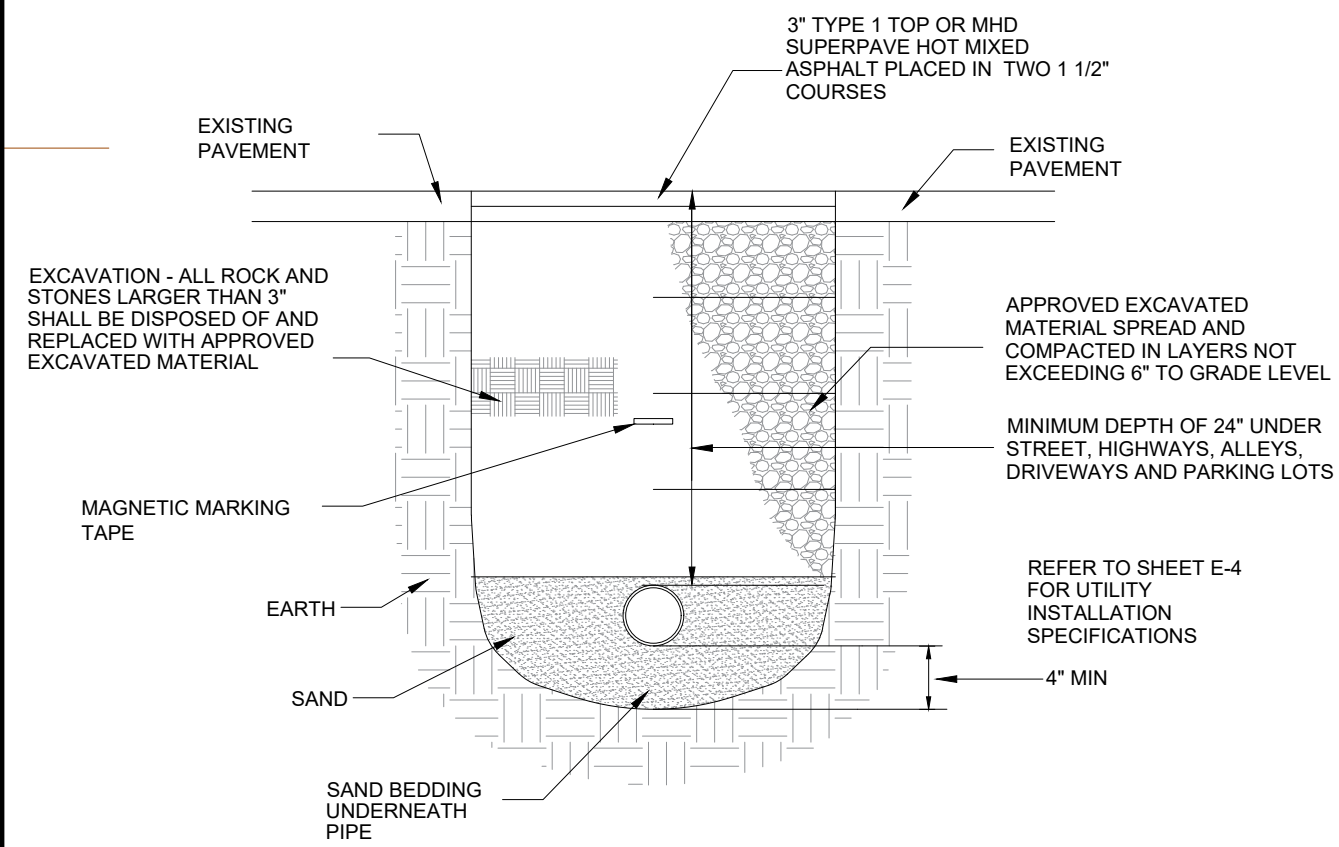
SHEET NUMBER
C-4

TYPICAL BOLLARD INSTALLATION *SUBJECT TO VARIATIONS DUE TO SITE CONDITIONS



QUADRUPLE EV CHARGER STATION BOLLARD CONFIGURATION

PAVEMENT RESTORATION



EXCAVATION - ALL ROCK AND STONES LARGER THAN 3" SHALL BE DISPOSED OF AND REPLACED WITH APPROVED EXCAVATED MATERIAL

MAGNETIC MARKING TAPE

EARTH

SAND

SAND BEDDING UNDERNEATH PIPE

3" TYPE 1 TOP OR MHD SUPERPAVE HOT MIXED ASPHALT PLACED IN TWO 1 1/2" COURSES

EXISTING PAVEMENT

EXISTING PAVEMENT

APPROVED EXCAVATED MATERIAL SPREAD AND COMPACTED IN LAYERS NOT EXCEEDING 6" TO GRADE LEVEL

MINIMUM DEPTH OF 24" UNDER STREET, HIGHWAYS, ALLEYS, DRIVEWAYS AND PARKING LOTS

REFER TO SHEET E-4 FOR UTILITY INSTALLATION SPECIFICATIONS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING AND MAINTAINING RESURFACING AND/OR PLATING FOR ALL EXCAVATIONS IN PAVED STREETS AND SIDEWALKS UNTIL PERMANENT RESURFACING IS COMPLETE.
2. JOINTS BETWEEN NEW BITUMINOUS CONCRETE ROADWAY PAVEMENT AND SAWCUT EXISTING PAVEMENT SHALL BE SEALED WITH BITUMEN AND BACKSANDED.
3. THE CONTRACTOR SHALL REPLACE ALL DISTURBED TRAFFIC SIGNAL LOOP DETECTORS TO GOOD WORKING CONDITION AS REQUIRED BY THE LATEST STANDARDS OF THE MUNICIPAL TRAFFIC DEPARTMENT.
4. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT MARKINGS IN THEIR ENTIRETY THAT HAVE BEEN DAMAGED BY TRENCH EXCAVATION OR OPERATIONS OF THE CONTRACTOR WITH SIMILAR COLOR AND SIZE THERMOPLASTIC MARKINGS.



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TRURO DPW, 36 SHORE RD, TRURO, MA 02666
ELECTRIC VEHICLE CHARGING STATIONS

SHEET TITLE
INSTALLATION DETAILS

SHEET NUMBER
D-1

| ABBREVIATIONS | | | |
|---------------|---|-----------------|---|
| A | AMPERE | MFR. | MANUFACTURER |
| AFCI | ARC-FAULT CIRCUIT INTERRUPTOR | MG SET | MOTOR-GENERATOR SET |
| AFF | ABOVE FINISHED FLOOR | MDI | MUSICAL INSTRUMENT DIGITAL INTERFACE |
| AHJ | AUTHORITY HAVING JURISDICTION | MISC | MISCELLANEOUS |
| AIC | AMPERE INTERRUPTING CURRENT | MLO | MAN LIVES ONLY |
| AI | ALUMINUM | MSHA | MINES SAFETY AND HEALTH ADMINISTRATION |
| ANSI | AMERICAN NATIONAL STANDARDS INSTITUTES | MTD | MOUNTED |
| ATS | AUTOMATIC TRANSFER SWITCH | MW | MEGAWATTS |
| AWG | AMERICAN WIRE GAUGE | NC | NORMALLY CLOSED |
| CONDUIT | CONDUIT | NEC | NATIONAL ELECTRICAL CODE |
| CATV | COMMUNITY ANTENNA TELEVISION | NECA | NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION |
| CB | CIRCUIT BREAKER | NEMA | NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION |
| CIT | CIRCUIT | NESCC | NATIONAL ELECTRICAL SAFETY CODE |
| cmil | CIRCULAR MIL | NFPA | NATIONAL FIRE PROTECTION ASSOCIATION |
| CO/ALR | COPPER-ALUMINUM, REVISED | NOT IN CONTRACT | NOT IN CONTRACT |
| COPS | CRITICAL OPERATIONS POWER SYSTEMS | NIU | NETWORK INTERFACE UNIT |
| CSA | CANADIAN STANDARDS ASSOCIATION | NO | NORMALLY OPEN |
| Cu | COPPER | NPT | NATIONAL (AMERICAN) STANDARD PIPE TAPER |
| DIA. | DIAMETER | NRTL | NATIONALLY RECOGNIZED TESTING LABORATORIES |
| DDDA | DESIGNATED CRITICAL OPERATIONS AREAS | NTS | NOT TO SCALE |
| DS | DISCONNECT SWITCH | NUCC | NONMETALLIC UNDERGROUND CONDUIT WITH CONDUCTORS |
| EC | ELECTRICAL CONTRACTOR | OCPP | OVERCURRENT PROTECTIVE DEVICE |
| ECC | EQUIPMENT GROUNDING CONDUCTOR | ONT | OPTICAL NETWORK TERMINAL |
| EMF | ELECTROMOTIVE FORCE | P | POLE |
| EMT | ELECTRICAL METALLIC TUBING | PB | PULLBOX OR PUSHBUTTON |
| ENT | ELECTRICAL NONMETALLIC TUBING | PCS | POWER CONVERSION SYSTEM |
| EPO | EMERGENCY POWER OFF | PCU | POWER-CONDITIONING UNIT |
| ESS | ENERGY STORAGE SYSTEM | PE | POLYETHYLENE |
| EV | ELECTRIC VEHICLE | PF | POWER FACTOR |
| EVPE | ELECTRIC VEHICLE POWER EXPORT EQUIPMENT | PHEV | PLUG-IN HYBRID ELECTRIC VEHICLE |
| EYSE | ELECTRIC VEHICLE SUPPLY EQUIPMENT | PLC | PROGRAMMABLE LOGIC CONTROLLER |
| F | FUSE | PLFA | POWER-LIMITED FIRE ALARM |
| FLA | FULL-LOAD AMPERES | PNL | PANEL |
| FMC | FLEXIBLE METAL CONDUIT | PoE | POWER OVER ETHERNET |
| FMT | FLEXIBLE METAL TUBING | PWR | POWER |
| FT | FEET | RMC | RIGID METAL CONDUIT |
| FURN. | FURNISHED | RMS | ROOT-MEAN-SQUARE |
| GC | GENERAL CONTRACTOR | RNC | RIGID NONMETALLIC CONDUIT |
| GEC | GROUNDING ELECTRODE CONDUCTOR | RNMIC | RIGID NON-METALLIC CONDUIT |
| GF | GROUND FAULT | RPM | REVOLUTIONS PER MINUTE |
| GF I | GROUND-FAULT INTERRUPTER | RTRC | REINFORCED THERMOSETTING RESIN CONDUIT |
| GFPE | GROUND-FAULT PROTECTION OF EQUIPMENT | SCADA | SUPERVISORY CONTROL AND DATA ACQUISITION |
| GND | GROUND | SCR | SILICON CONTROLLED RECTIFIER |
| HACR | HEATING, AIR CONDITIONING, AND REFRIGERATION | SI | INTERNATIONAL SYSTEM OF UNITS |
| HDPE | HIGH DENSITY POLYETHYLENE | SP | SPARE |
| HGT. | HEIGHT | SPD | SURGE-PROTECTIVE DEVICE |
| HID | HIGH INTENSITY DISCHARGE | SW | SWITCH |
| HOA | HAND, OFF, AUTOMATIC SWITCH | SWD | SWITCHING DUTY |
| Hp | HORSEPOWER | SYM | SYMMETRICAL |
| HVAC | HEATING, VENTILATION, AND AIR CONDITIONING | TEFC | TOTALLY ENCLOSED FAN-COOLED |
| Hz | HERTZ (CYCLE PER SECOND) | TEMP | TEMPERATURE |
| IAEI | INTERNATIONAL ASSOCIATIONS OF ELECTRICAL INSPECTORS | TMCB | THERMAL MAGNETIC CIRCUIT BREAKER |
| IBT | INTERSYSTEM BONDING TERMINATION | TR | TAMPER-RESISTANT |
| IEC | INTERNATIONAL ELECTROTECHNICAL COMMISSION | TVSS | TRANSIENT VOLTAGE SURGE SUPPRESSOR |
| IEEE | INSTITUTE OF ELECTRICAL ELECTRONICS ENGINEERS | TYP. | TYPICAL |
| IG | ISOLATED GROUND | UL | UNDERWRITERS LABORATORIES |
| IGC | INTERMEDIATE METAL CONDUIT | ULPS | UNINTERRUPTIBLE POWER SUPPLY |
| IS | INTRINSICALLY SAFE | USB | UNIVERSAL SERIAL BUS |
| ITE | INFORMATION TECHNOLOGY EQUIPMENT | V | VOLT |
| JB | JUNCTION BOX | VA | VOLT-AMPERE |
| kcmil | ONE THOUSAND CIRCULAR MILS | V ac | VOLTS ALTERNATING CURRENT |
| KVA | KILOVOLT-AMPERES | V dc | VOLTS DIRECT CURRENT |
| KVAr | KILOVOLT-AMPERES REACTIVE | VFD | VARIABLE FREQUENCY DRIVE |
| KW | KILOWATTS | VT | VOLTAGE TRANSFORMER |
| LDDI | LEAKAGE-CURRENT DETECTOR-INTERRUPTER | WOM | VOLT-OHM-MULTIMETER |
| LED | LIGHT-EMITTING DIODE | W | WATT |
| LFMC | LIQUIDTIGHT FLEXIBLE METAL CONDUIT | W-hr | WATT-HOUR |
| LFNC | LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT | WPT | WIRELESS POWER TRANSFORMER |
| LSW | LOAD INTERRUPTER SWITCH | WRT | WEATHER RESISTANT |
| LNG | LIQUEFIED NATURAL GAS | WR | WEATHER RESISTANT |
| LP-GAS | LIQUEFIED PETROLEUM GAS | XFMR | TRANSFORMER |
| LRC | LOCKED-ROTOR CURRENT | Δ | DELTA |
| MC | MECHANICAL CONTRACTOR | Y | WYE |
| MCB | MAIN CIRCUIT BREAKER | φ | PHASE |
| MDC | MODULAR DATA CENTER | | |

| ONE-LINE LEGEND | |
|-----------------|--|
| | CIRCUIT BREAKER - MOLDED CASE "AF" DENOTES AMPERE FRAME SIZE "AT" DENOTES AMPERE TRIP SETTINGS |
| | SWITCH AND FUSE "A00AS" DENOTES AMPERE SWITCH SIZE "300AF" DENOTES AMPERE FUSE SIZE |
| | PRIMARY DISCONNECT SWITCH (BOLTED PRESSURE TYPE) |
| | AUTOMATIC TRANSFER SWITCH "ATS" |
| | FUSE |
| | POWER TRANSFORMER |
| | WYE |
| | DELTA |
| | CURRENT TRANSFORMERS |
| | GROUND BUS CONNECTION TO EARTH |
| | SYSTEM GROUND OR EQUIPMENT GROUND |
| | METER SOCKET |
| | PRIMARY UTILITY METERING |

| WIRING DEVICES LEGEND | |
|-----------------------|--|
| | 125 VOLT, 2 POLE, 3 WIRE, 20 AMP., DUPLEX RECEPTACLE |

| GROUNDING LEGEND | |
|------------------|-----------------------------------|
| | GROUND ROD - 3/4"x10' COPPER CLAD |

| EXISTING EQUIPMENT LEGEND | |
|---------------------------|--|
| | EXISTING DEVICE TO BE MAINTAINED |
| | EXISTING DEVICE TO BE REMOVED AND CIRCUIT PULLED BACK TO POINT OF ORIGIN. |
| | EXISTING DEVICE TO BE RELOCATED |
| | NEW LOCATION OF EXISTING DEVICE, EXTEND BRANCH/FEEDEER CIRCUIT TO NEW LOCATION. |
| | EXISTING DEVICE AND COVER TO BE REMOVED AND REPLACED WITH NEW, MAINTAIN BACK BOX AND CIRCUIT. |
| | EXISTING DEVICE AND COVER TO BE REMOVED AND REPLACED WITH NEW, MAINTAIN BACK BOX AND PROVIDE A NEW CIRCUIT AS INDICATED. |
| | EXISTING TO BE REWORKED |
| | BOLD-DASHED LINEWEIGHT INDICATES TO BE REMOVED |
| | LIGHT OUT OF FUNCTION LINEWEIGHT INDICATES TO REMAIN AS IS |
| | BOLD LINEWEIGHT INDICATES NEW OR AFFECTED WORK |

| SITE PLAN LEGEND | |
|------------------|--|
| | DUCTBANK "UG" INDICATES UNDERGROUND |
| | ELECTRIC UTILITY MANHOLE "U" DENOTES UTILITY "SKY" DENOTES 15KV CAMPUS LOOP "T" DENOTES TELECOMMUNICATION |
| | HANDHOLE |

| LEGEND NOTES | |
|--------------|---|
| 1. | SUBSCRIPTS ILLUSTRATED ON THE LEGEND WITH ONE SYMBOL ONLY TO MINIMIZE SPACE. ANY SUBSCRIPT INDICATED WITH A LEGEND FAMILY MAY BE APPLIED TO A CORRESPONDING SYMBOL. |
| 2. | ABBREVIATIONS SUCH AS "WP" MAY BE APPLIED TO ANY SYMBOL. |

| GENERAL NOTES | |
|---------------|---|
| 1. | THE SCOPE OF WORK SHALL INCLUDE ALL WORK INDICATED UNLESS OTHERWISE SPECIFICALLY INDICATED AS EXISTING OR WORK BY OTHERS, AND COORDINATION WITH ALL TRADES. SCOPE OF WORK IS INDICATED ON THE CONTRACT DOCUMENTS INCLUDING THE DRAWINGS AND THE SPECIFICATIONS, WHICH ARE COMPLIMENTARY. WORK INDICATED IN ANY CONTRACT DOCUMENT SHALL BE CONSIDERED PART OF THE SCOPE OF WORK, UNLESS SPECIFICALLY INDICATED AS EXISTING OR WORK BY OTHERS. IN GENERAL, WORK REQUIREMENTS ARE NOT INDICATED IN BOTH DOCUMENTS. WHERE DOCUMENTS CONFLICT WITH THEMSELVES OR WITH CODES AND REGULATIONS, PROVIDE THE HIGHER QUANTITY AND QUALITY AND FOLLOW THE STRICTER REQUIREMENTS. |
| 2. | WORK, AT A MINIMUM, SHALL BE IN ACCORDANCE WITH OSHA, NFPA STANDARDS, THE ELECTRIC CODE AND THE LOCAL GOVERNING AUTHORITIES. THE DRAWINGS AND SPECIFICATIONS DO NOT ATTEMPT TO INDICATE ALL WORK REQUIRED BY CODES AND AUTHORITIES. DO NOT INSTALL WORK THAT DOES NOT MEET MINIMUM REQUIREMENTS. IF NECESSARY, REQUEST CLARIFICATION FROM ARCHITECT BEFORE PROCEEDING. |
| 3. | IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO PROVIDE A WORKING INSTALLATION IN EVERY DETAIL AND ALL ITEMS REQUIRED FOR SUCH AN INSTALLATION SHALL BE PROVIDED WHETHER OR NOT SPECIFICALLY INDICATED OR MENTIONED. |
| 4. | CONTRACTOR SHALL PAY FOR ALL PERMITS, INSURANCE, AND TESTS, AND SHALL PROVIDE LABOR AND MATERIAL TO COMPLETE THE ELECTRICAL WORK SHOWN. |
| 5. | VISIT THE SITE TO DETERMINE PRE-EXISTING CONDITIONS AND WORK. NECESSARY PRIOR TO SUBMISSION OF BID PRICE. SUBMIT ANY QUESTIONS REQUIRED TO CLARIFY SCOPE PRIOR TO BID. INCLUDE ALL REQUIRED WORK IN BID PRICE. |
| 6. | INCLUDE IN BID WHATEVER IS REQUIRED TO MEET SCHEDULE INCLUDING OVERTIME, EXPRESS SHIPPING, EXPEDITING EQUIPMENT, ETC. PLAN PROJECT AND SUBMIT SHOP DRAWINGS AND ORDER EQUIPMENT IN A TIMELY MANNER, EQUIPMENT SHALL BE BASED ON THE SPECIFIED EQUIPMENT. |
| 7. | ANY EQUIPMENT TO BE SUBSTITUTED SHALL BE IDENTIFIED AT TIME OF BID. REFER TO SPECIFICATIONS. |
| 8. | TEST ALL EQUIPMENT AND SYSTEMS INSTALLED TO CERTIFY COMPLIANCE WITH DRAWINGS, SPECIFICATIONS, CODES, LOCAL AUTHORITIES AND REGULATIONS. INCLUDE LABOR AND COSTS FOR TESTING, REVIEWS, APPROVALS AND CERTIFICATIONS. |
| 9. | ALL CUTTING AND PATCHING REQUIRED FOR ELECTRICAL WORK SHALL BE INCLUDED AS PART OF THIS SECTIONS. |
| 10. | PROVIDE TRAINING TO OWNER ON ALL EQUIPMENT AND SYSTEMS INSTALLED. |
| 11. | ANY BUILDING SYSTEMS THAT MUST BE MODIFIED TO PLACE NEW EQUIPMENT SHALL BE RESTORED TO ITS ORIGINAL CONDITION PRIOR TO THE CONCLUSION OF THE PROJECT, INCLUDING ALL TESTING AND RE-CERTIFICATION REQUIRED TO MEET CODE. |
| 12. | WORK SHALL CONFORM TO THE MASSACHUSETTS ELECTRICAL CODE, NATIONAL ELECTRICAL CODE, AND REQUIREMENTS OF LOCAL AUTHORITIES HAVING JURISDICTION. |
| 13. | BUSWAY AND CONDUIT RUNS AS SHOWN ON THE PLANS ARE DIAGRAMMATIC ONLY; EXACT LOCATION AND METHOD OF SUPPORT SHALL BE DETERMINED IN THE FIELD. |
| 14. | WHERE CONNECTIONS ARE MADE IN EXISTING PANELS, THE PANEL INDEX SHALL BE REVISED TO INDICATE THE NEW LOADS SERVED. NEW CIRCUIT BREAKERS ADDED TO EXISTING PANELS SHALL BE THE SAME FRAME, VOLTAGE RATING AND INTERRUPTING CAPACITY AS EXISTING PANEL AND CIRCUIT BREAKERS. |
| 15. | ELECTRICAL SHUTDOWNS SHALL BE AT A TIME AND DATE APPROVED BY THE OWNER. |

| WIRING NOTES | |
|--------------|--|
| 1. | WIRING IS INDICATED ON DRAWINGS ONLY FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS. |
| 2. | FEEDEERS SHALL BE IN INDEPENDENT RACEWAYS AND BOXES, UNLESS OTHERWISE INDICATED. |
| 3. | WIRING AND CONDUIT SHALL BE REQUIRED FOR ALL EQUIPMENT, SWITCHES, AND OUTLETS INDICATED WITH CIRCUIT NUMBERS. PROVIDE 3/4"x1/2" UNLESS OTHERWISE INDICATED. WIRE AND CONDUIT SIZES INDICATED ON HOMERUNS SHALL BE CONTINUOUS THROUGHOUT CIRCUIT. |
| 4. | UTILIZE STAINLESS STEEL HARDWARE AND ANCHORS FOR ALL APPLICATIONS AND EQUIPMENT FASTENING. |
| 5. | MARK ALL CONDUITS AND JUNCTION BOXES WITH PERMANENT MARKER INDICATING PANEL AND CIRCUIT NUMBER OF CONDUCTORS CONTAINED WITHIN. LABEL WHERE CONDUITS ENTER PANELS, WIREWAYS, PULLBOXES, ETC. LABEL EMPLY CONDUITS. |

EACH BLOCK REPRESENTS ONE FOOT IN THE SCALE INDICATED

| DATE | DESCRIPTION | REV. |
|------|-------------|------|
| | | |
| | | |
| | | |

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ELECTRICAL NOTES, LEGEND, AND ABBREVIATIONS

CLIENT: EVERSOURCE, EV MAKE READY
PROJECT: 2020 LEVEL 2 EV MODIFICATIONS

| OWNER REVIEW | |
|--------------|----------|
| SCALE: | AS NOTED |
| DATE: | TBD |
| DRAWN BY: | YE |
| REVIEWED BY: | MOB |
| JOB NUMBER: | BREV19C |
| DRAWING NO.: | E0.01 |

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| | |
|-------------|----------------|
| PROJECT NO: | 10-19-0005.537 |
| DRAWN BY: | D.D. |
| CHECKED BY: | D.C. |

| REV | DATE | DESCRIPTION |
|-----|------------|-------------------|
| 1 | 12/16/2022 | ISSUED FOR REVIEW |
| 0 | 11/14/2022 | ISSUED FOR REVIEW |

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TRURO DPW, 36 SHORE RD, TRURO, MA 02666
ELECTRIC VEHICLE CHARGING STATIONS

SHEET TITLE
LEGEND & NOTES

SHEET NUMBER
L-1

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Boston,
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PROJECT NO: 10-19-0005.537

DRAWN BY: D.D.

CHECKED BY: D.C.

| REV | DATE | DESCRIPTION |
|-----|------------|-------------------|
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TRURO DPW, 36 SHORE RD, TRURO, MA 02666

ELECTRIC VEHICLE CHARGING STATIONS

SHEET TITLE
EV INFRASTRUCTURE RISER DIAGRAMS

SHEET NUMBER
E-1

EACH BLOCK REPRESENTS ONE FOOT IN THE SCALE INDICATED

| DATE | DESCRIPTION | REV. |
|------|-------------|------|
| | | |
| | | |



LEVEL 2 EV INFRASTRUCTURE RISER DIAGRAMS

EVERSOURCE EV MAKE READY 2020 LEVEL 2 EV MODIFICATIONS

OWNER REVIEW

SCALE: AS NOTED

DATE: TBD

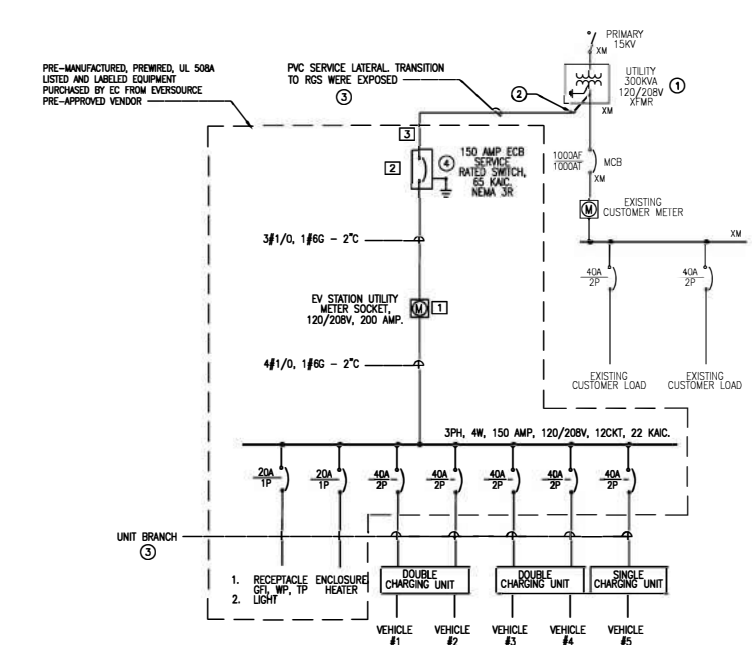
DRAWN BY: YE

REVIEWED BY: MOB

JOB NUMBER: BEEV19C

DRAWING NO.

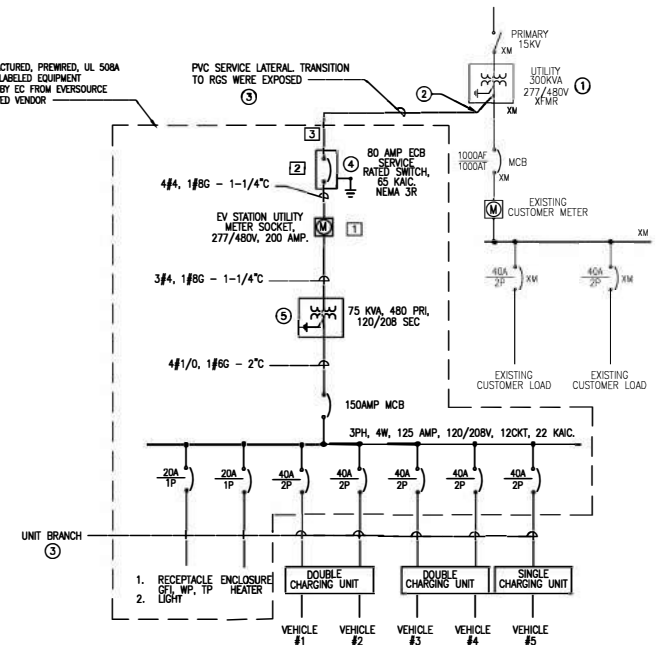
E1.00



- ENCLOSURE MANUFACTURER'S KEY NOTES:
- METER SOCKET SIEMENS #47704-01NU OR EVERSOURCE APPROVED EQUAL.
 - INSTALL METER AND DISCONNECT ON OUTSIDE OF ENCLOSURE. 400 AMP ECB SHALL POSSESS A PRE-WIRED #4/0 MAIN BONDING JUMPER.
 - UTILIZE RGS CONDUIT FOR ALL EXPOSED RACEWAYS CONNECTING TO ENCLOSURE AND RISING UP POLES.

- EC KEY NOTES:
- COORDINATE AVAILABLE CAPACITY WITH UTILITY PRIOR TO INSTALLATION.
 - FURNISH AND INSTALL 90 DEGREE RGS SWEEP AND BONDING BUSHING AT TRANSFORMER. TERMINATION OF CABLE ON TRANSFORMER PERFORMED BY EVERSOURCE.
 - REFER TO CABLE AND CONDUIT SELECTION CHART ON DRAWING E101 FOR CONDUIT AND WIRE SIZING.
 - PROVIDE NEW (1) #4 GROUNDING ELECTRODE CONDUCTOR AT THIS LOCATION. CONNECT TO ENCLOSURE GROUNDING BAR. REFER TO GROUND WIRING DETAIL ON DRAWING E200 FOR ADDITIONAL INFORMATION.

OPTION 2
5 VEHICLES, NO TRANSFORMER REQUIRED.



- ENCLOSURE MANUFACTURER'S KEY NOTES:
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 - INSTALL METER AND DISCONNECT ON OUTSIDE OF ENCLOSURE. 400 AMP ECB SHALL POSSESS A PRE-WIRED #4/0 MAIN BONDING JUMPER.
 - UTILIZE RGS CONDUIT FOR ALL EXPOSED RACEWAYS CONNECTING TO ENCLOSURE AND RISING UP POLES.

- EC KEY NOTES:
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 - FURNISH AND INSTALL 90 DEGREE RGS SWEEP AND BONDING BUSHING AT TRANSFORMER. TERMINATION OF CABLE ON TRANSFORMER PERFORMED BY EVERSOURCE.
 - REFER TO CABLE AND CONDUIT SELECTION CHART ON DRAWING E101 FOR CONDUIT AND WIRE SIZING.
 - PROVIDE NEW (1) #4 GROUNDING ELECTRODE CONDUCTOR AT THIS LOCATION. CONNECT TO ENCLOSURE GROUNDING BAR. REFER TO GROUND WIRING DETAIL ON DRAWING E200 FOR ADDITIONAL INFORMATION.
 - PROVIDE NEW (1) #2 GROUNDING ELECTRODE CONDUCTOR AT THIS LOCATION. CONNECT TO ENCLOSURE GROUNDING BAR. REFER TO GROUND WIRING DETAIL ON DRAWING E200 FOR ADDITIONAL INFORMATION.

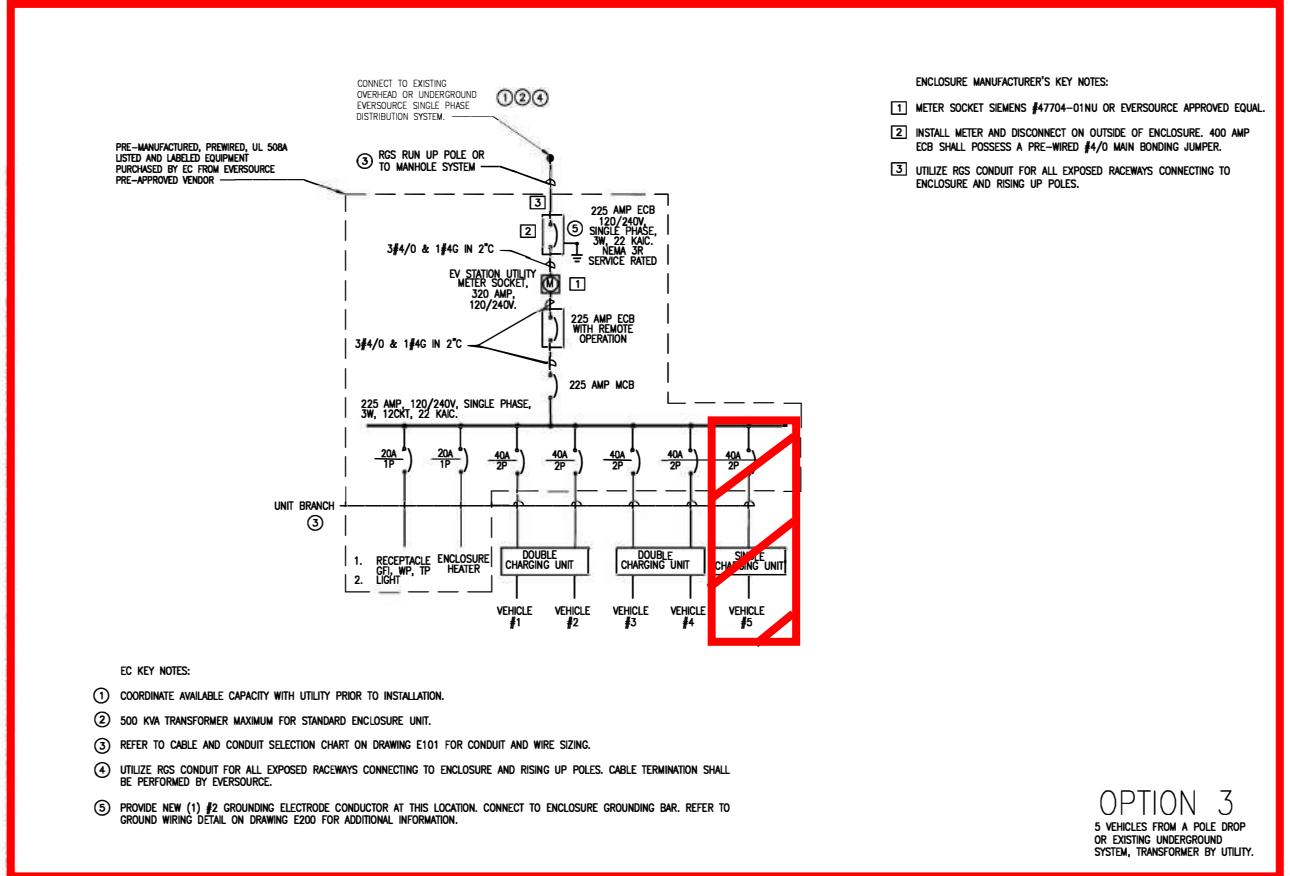
OPTION 1
5 VEHICLES WITH THE USE OF A 45KVA STEP DOWN PAD MOUNTED TRANSFORMER.

| OPTION | NUMBER OF VEHICLES | FLA/VOLT/PH | WIRE SIZE | | |
|-------------|--------------------|-------------|-----------------------------|-------------------------------|--------------------------------|
| | | | 100 FT | 200 FT | 300 FT |
| 1 | 5 VEHICLE | 54/480/3 | 4#4 & 1#4GND IN 3" C | 4#4 & 1#4GND IN 3" C | 4#4 & 1#4GND IN 3" C |
| 2 | 5 VEHICLE | 104/208/3 | 4#1/0 & 1#4GND IN 3" C | 4#2/0 & 1#4GND IN 3" C | 4#4/0 & 1#4GND IN 3" C |
| 3 | 5 VEHICLE | 155/240/1 | 3#4/0 & 1#4GND IN 3" C | 3#4/0 & 1#4GND IN 3" C | 3#250KCMIL & 1#4GND IN 3" C |
| 4 | 10 VEHICLE | 90/480/3 | 4#1/0 & 1#4GND IN 3" C | 4#1/0 & 1#4GND IN 3" C | 4#2/0 & 1#4GND IN 3" C |
| 5 | 10 VEHICLE | 208/208/3 | 4#4/0 & 1#4GND IN 3" C | 4#500KCMIL & 1#4GND IN 4" C | (2)#1/0 & 1#4GND IN 4" C |
| 6 | 10 VEHICLE | 330/240/1 | 3#600KCMIL & 1#4GND IN 4" C | (2)3#4/0 & 1#4GND IN 2-1/2" C | (2)3#250KCMIL & 1#4GND IN 3" C |
| ALL OPTIONS | 1 BRANCH CIRCUIT | 36/208/1 | 2#6 & 1#8GND IN 2" C | 2#4 & 1#8GND IN 2" C | 2#4 & 1#8GND IN 2" C |

NOTES:
1. ALL UNDERGROUND WIRING SHALL BE XHHW-2 COPPER WIRE.
2. ABOVE GROUND WIRING SHALL BE THHNW-2 COPPER WIRE.
3. PROVIDE RGS CONDUIT WHEN CABLE RUN IS EXPOSED TO MECHANICAL DAMAGE. PROVIDE EXPANSION FITTINGS AS REQUIRED.

| EQUIPMENT | MANUFACTURER OPTION 1 | MANUFACTURER OPTION 2 |
|--------------------------------------|-----------------------|-----------------------|
| COLD SEQUENCE METER MAIN | KINNEY ELECTRIC | ERICKSON ELECTRIC |
| IRON CONDUIT BODY | OZ GEDNEY | CROUSE HINDS |
| MALLEABLE CONDUIT STRAP AND FITTINGS | APLETON | GARVIN |
| RGS CONDUIT | ALLIED PIPE | REPUBLIC |
| PVC CONDUIT | CARLON PRODUCTS | NATIONAL PIPE |
| CONCRETE POLYMER HANDHOLE | MACLEAN | ARMOCAST |
| CABLE: XHHW-2 | SOUTHWIRE | ALLIED |
| CABLE: THHNW-2 | SOUTHWIRE | ALLIED |

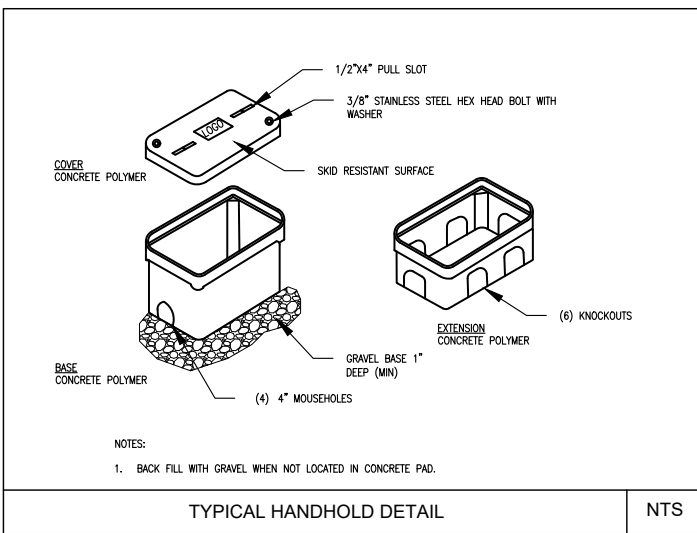
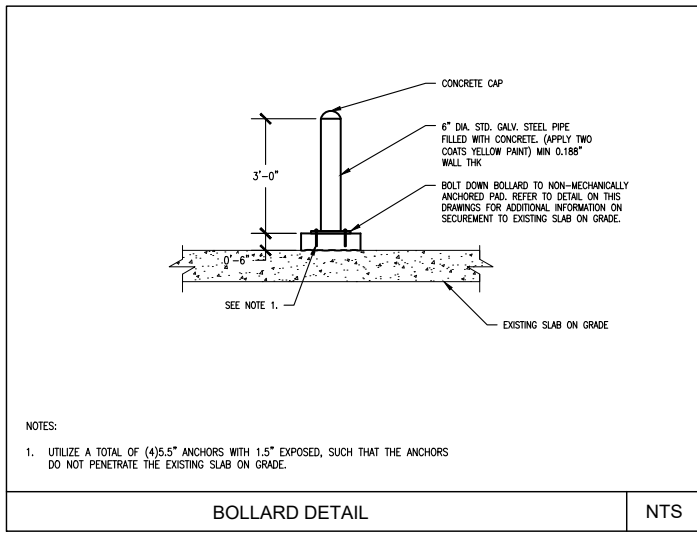
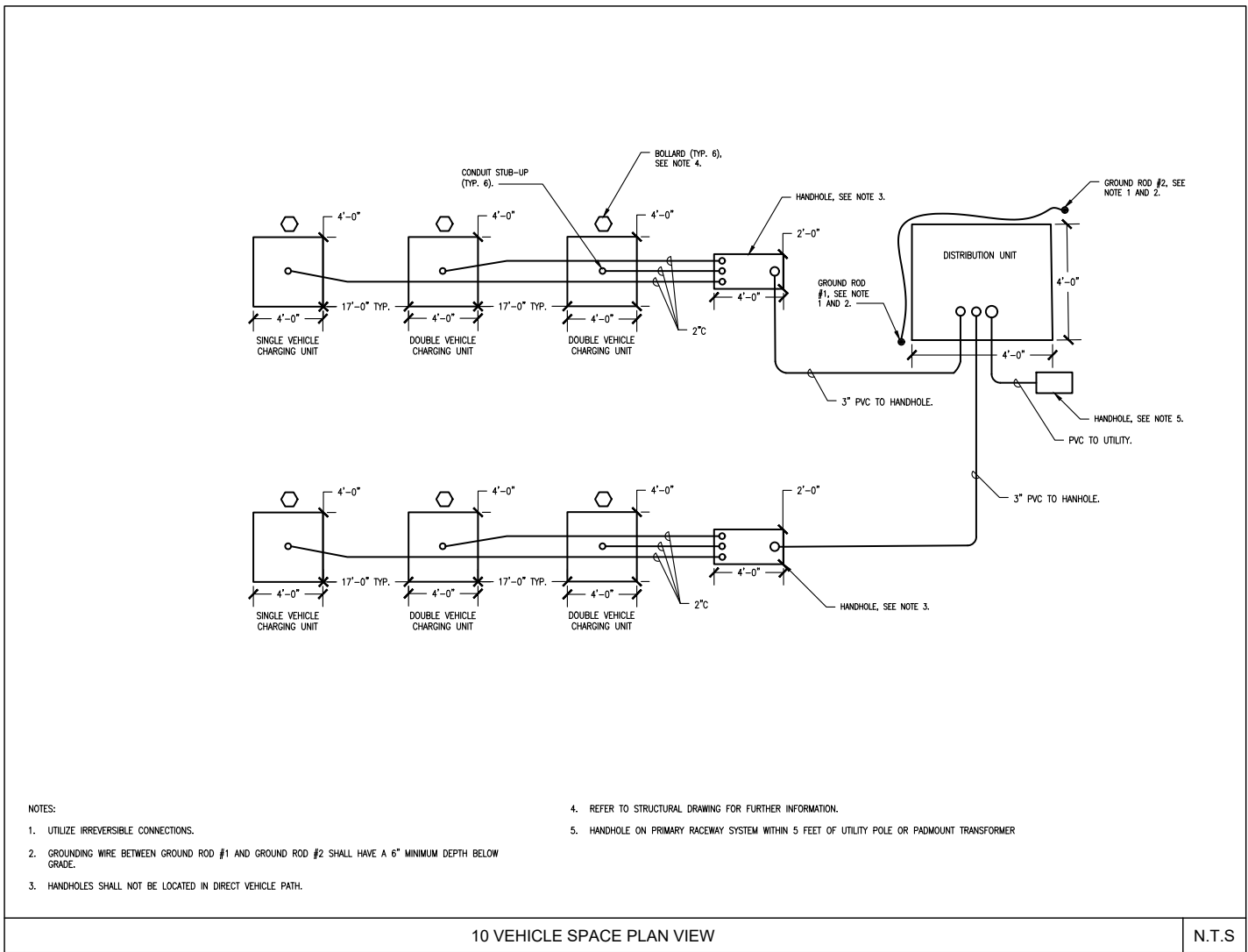
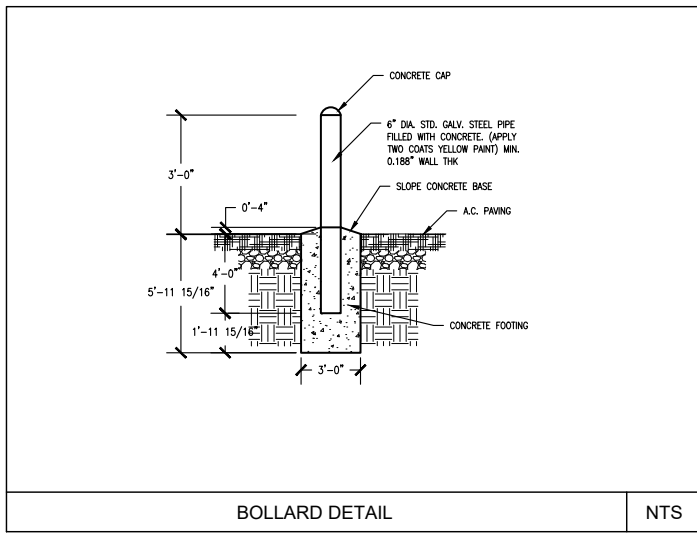
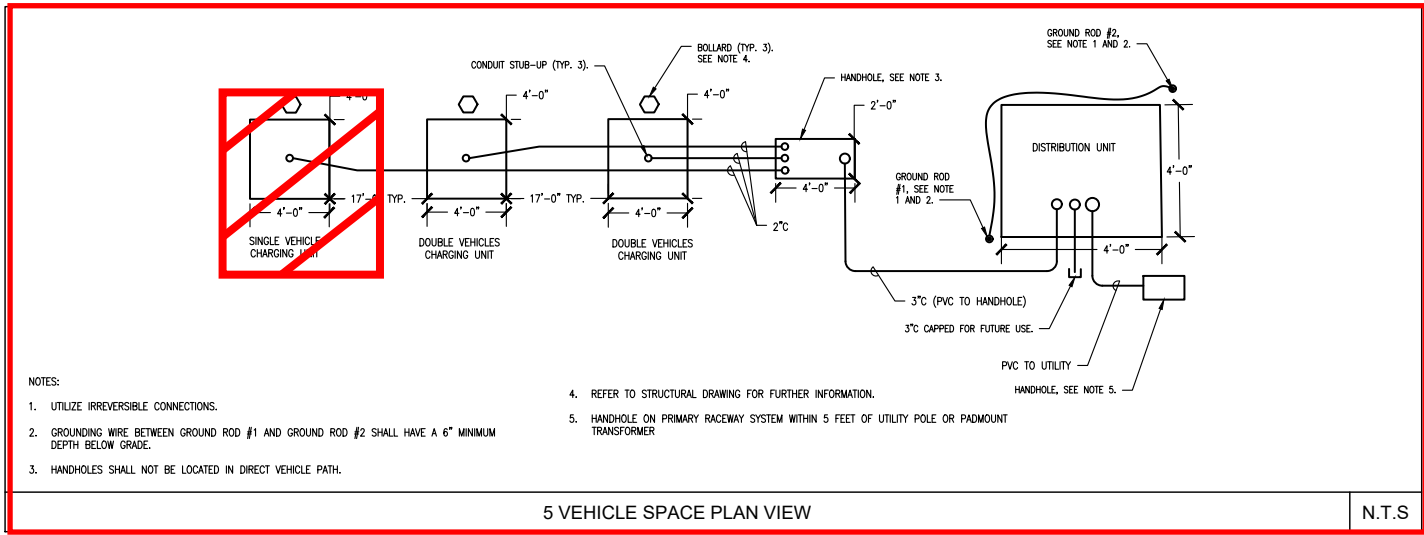
NOTES:
1. APPROVED EQUAL EQUIPMENTS WILL BE CONSIDERED FOR ALL COMPONENTS.



- ENCLOSURE MANUFACTURER'S KEY NOTES:
- METER SOCKET SIEMENS #47704-01NU OR EVERSOURCE APPROVED EQUAL.
 - INSTALL METER AND DISCONNECT ON OUTSIDE OF ENCLOSURE. 400 AMP ECB SHALL POSSESS A PRE-WIRED #4/0 MAIN BONDING JUMPER.
 - UTILIZE RGS CONDUIT FOR ALL EXPOSED RACEWAYS CONNECTING TO ENCLOSURE AND RISING UP POLES.

- EC KEY NOTES:
- COORDINATE AVAILABLE CAPACITY WITH UTILITY PRIOR TO INSTALLATION.
 - 500 KVA TRANSFORMER MAXIMUM FOR STANDARD ENCLOSURE UNIT.
 - REFER TO CABLE AND CONDUIT SELECTION CHART ON DRAWING E101 FOR CONDUIT AND WIRE SIZING.
 - UTILIZE RGS CONDUIT FOR ALL EXPOSED RACEWAYS CONNECTING TO ENCLOSURE AND RISING UP POLES. CABLE TERMINATION SHALL BE PERFORMED BY EVERSOURCE.
 - PROVIDE NEW (1) #2 GROUNDING ELECTRODE CONDUCTOR AT THIS LOCATION. CONNECT TO ENCLOSURE GROUNDING BAR. REFER TO GROUND WIRING DETAIL ON DRAWING E200 FOR ADDITIONAL INFORMATION.

OPTION 3
5 VEHICLES FROM A POLE DROP OR EXISTING UNDERGROUND SYSTEM, TRANSFORMER BY UTILITY.



1" = 1'-0"

EACH BLOCK REPRESENTS ONE FOOT IN THE SCALE INDICATED

| DATE | DESCRIPTION | REV. |
|------|-------------|------|
| | | |
| | | |

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EV INFRASTRUCTURE ELECTRICAL DETAILS, SHEET 1

| REV | DATE | DESCRIPTION |
|-----|------------|-------------------|
| 1 | 12/16/2022 | ISSUED FOR REVIEW |
| 0 | 11/14/2022 | ISSUED FOR REVIEW |

CLIENT: EVERSOURCE EV MAKE READY
PROJECT: 2020 LEVEL 2 EV MODIFICATIONS

OWNER REVIEW

SCALE: AS NOTED
DATE: TBD
DRAWN BY: YE
REVIEWED BY: MOB
JOB NUMBER: BEEV19C
DRAWING NO. **E2.01**

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PROJECT NO: 10-19-0005.537
DRAWN BY: D.D.
CHECKED BY: D.C.

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TRURO DPW, 36 SHORE RD, TRURO, MA 02666

ELECTRIC VEHICLE CHARGING STATIONS

ELECTRICAL DETAILS SHEET 1

SHEET NUMBER **E-3**

| REV | DATE | DESCRIPTION |
|-----|------------|-------------------|
| 1 | 12/16/2022 | ISSUED FOR REVIEW |
| 0 | 11/14/2022 | ISSUED FOR REVIEW |

1" = 1'-0"
EACH BLOCK REPRESENTS ONE
FOOT IN THE SCALE INDICATED

DATE

DESCRIPTION

REV.

DATE

DESCRIPTION

REV.

DATE

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DESCRIPTION

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EV INFRASTRUCTURE
ELECTRICAL DETAILS,
SHEET 2

EVERSOURCE
EV MAKE READY
2020 LEVEL 2 EV
MODIFICATIONS

CLIENT:

PROJECT:

OWNER REVIEW

SCALE: AS NOTED

DATE: TBD

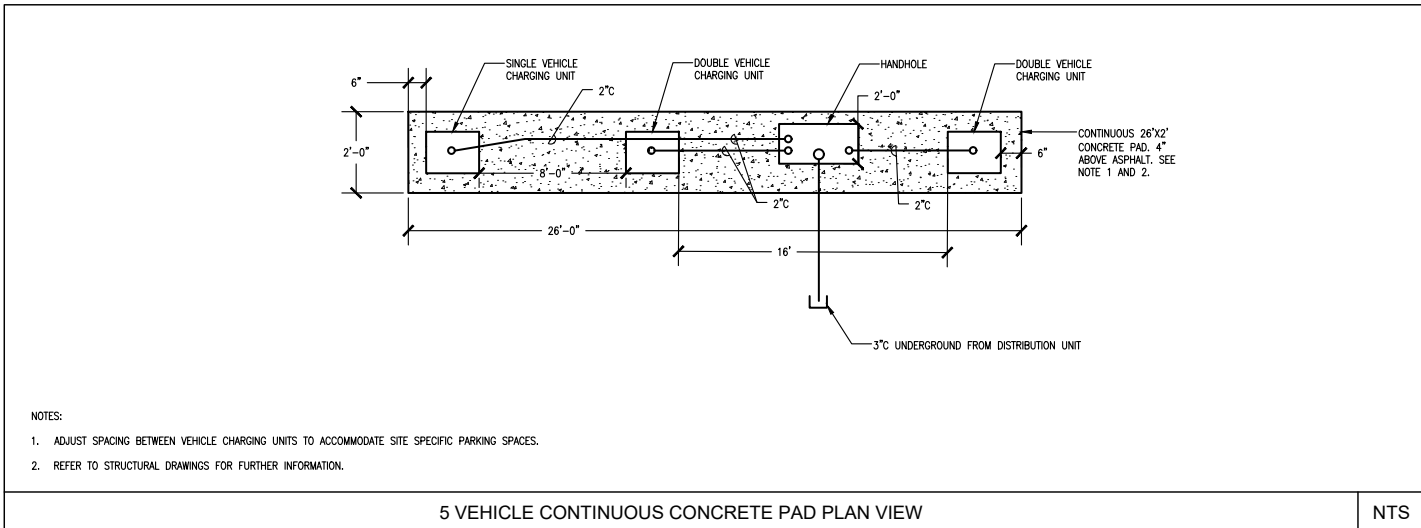
DRAWN BY: YE

REVIEWED BY: MOB

JOB NUMBER: BEV19C

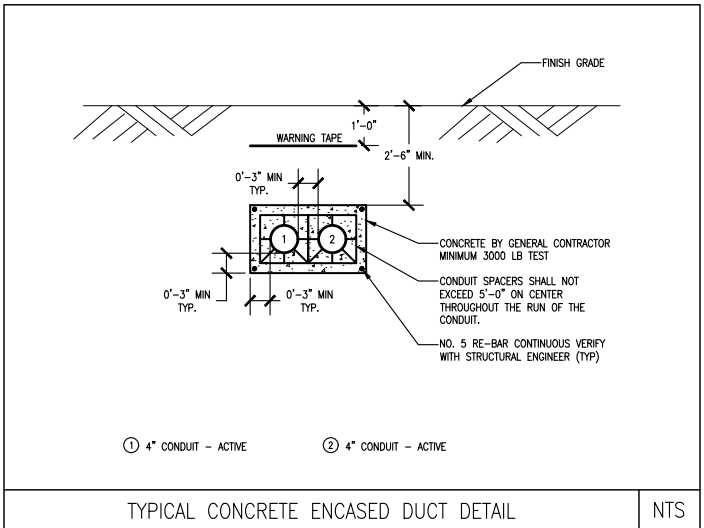
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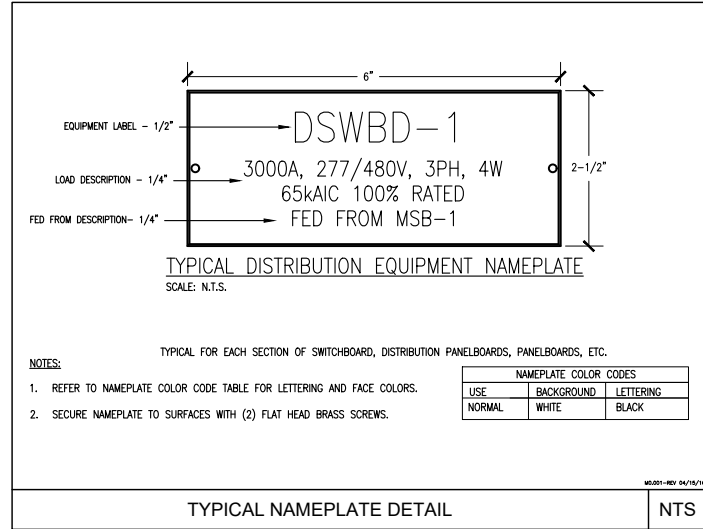
5 VEHICLE CONTINUOUS CONCRETE PAD PLAN VIEW

NTS



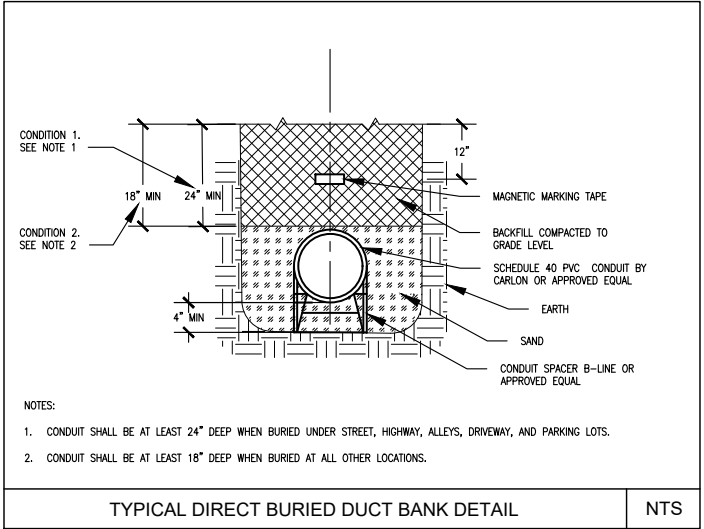
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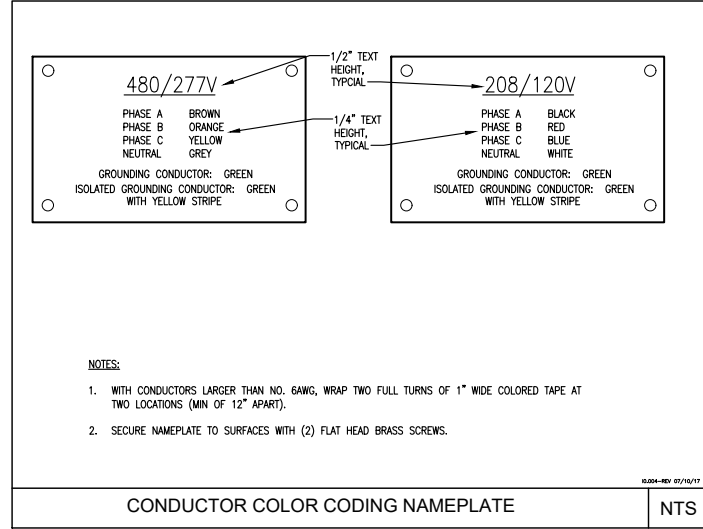
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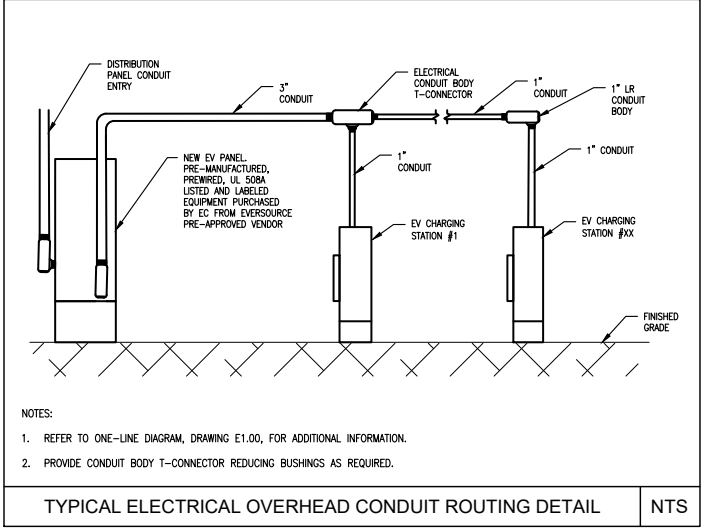
TYPICAL DIRECT BURIED DUCT BANK DETAIL

NTS



CONDUCTOR COLOR CODING NAMEPLATE

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TYPICAL ELECTRICAL OVERHEAD CONDUIT ROUTING DETAIL

NTS

| REV | DATE | DESCRIPTION |
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| 1 | 12/16/2022 | ISSUED FOR REVIEW |
| 0 | 11/14/2022 | ISSUED FOR REVIEW |

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TRURO DPW, 36 SHORE RD, TRURO, MA 02666

ELECTRIC VEHICLE CHARGING STATIONS

SHEET TITLE
ELECTRICAL DETAILS SHEET 3

SHEET NUMBER
E-5

EACH BLOCK REPRESENTS ONE FOOT IN THE SCALE INDICATED

| DATE | DESCRIPTION | REV. |
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DATE
DESCRIPTION
REV.

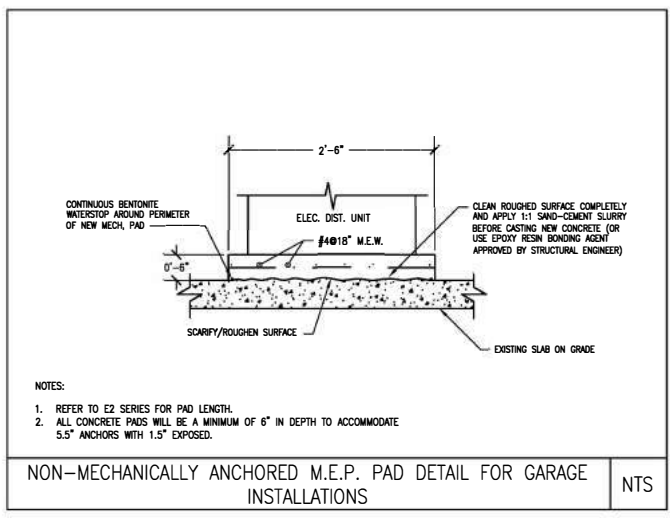


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EV INFRASTRUCTURE ELECTRICAL DETAILS, SHEET 3

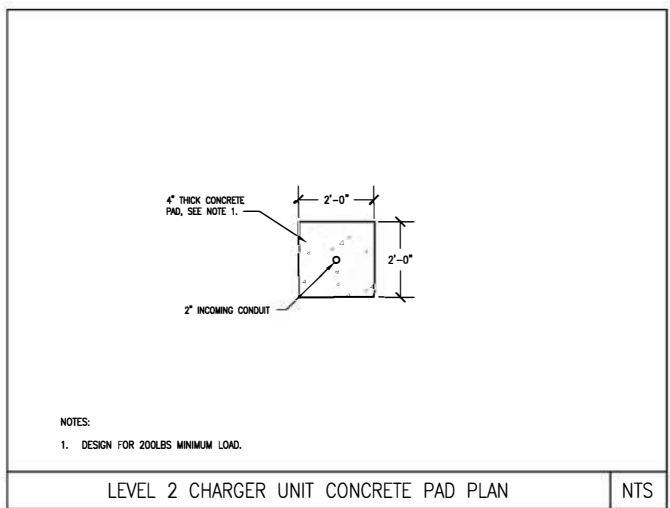
CLIENT: EVERSOURCE EV MAKE READY
PROJECT: 2020 LEVEL 2 EV MODIFICATIONS

OWNER REVIEW
SCALE: AS NOTED
DATE: TBD
DRAWN BY: YE
REVIEWED BY: MOB
JOB NUMBER: BEEV19C
DRAWING NO.

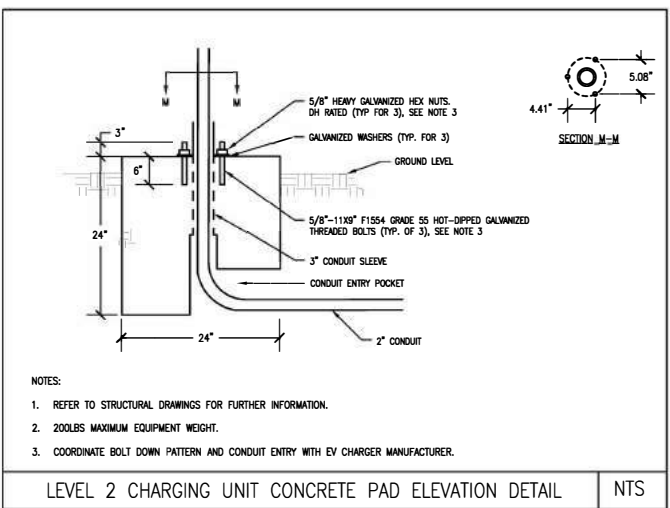
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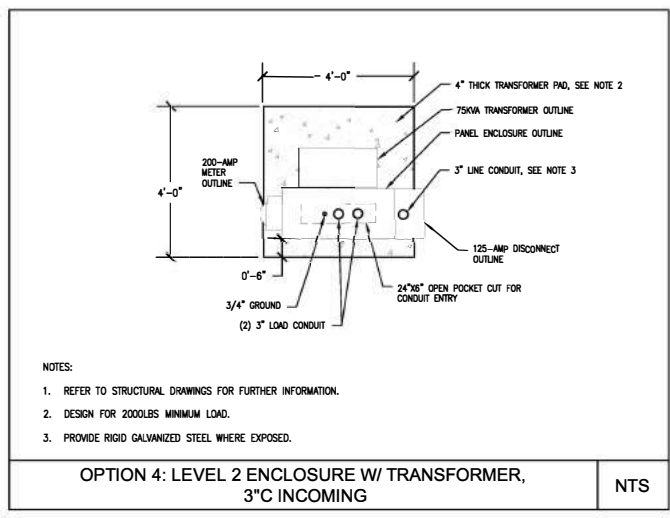
NON-MECHANICALLY ANCHORED M.E.P. PAD DETAIL FOR GARAGE INSTALLATIONS NTS



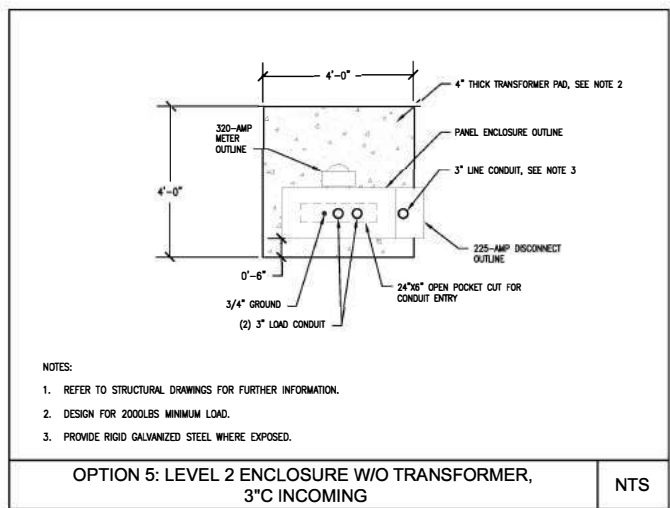
LEVEL 2 CHARGER UNIT CONCRETE PAD PLAN NTS



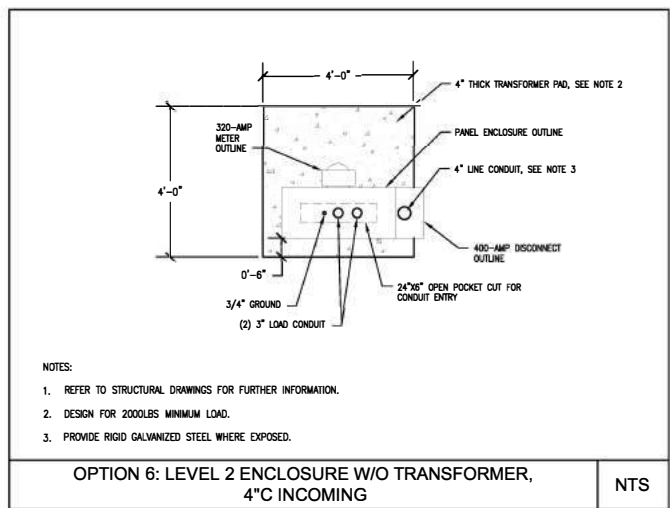
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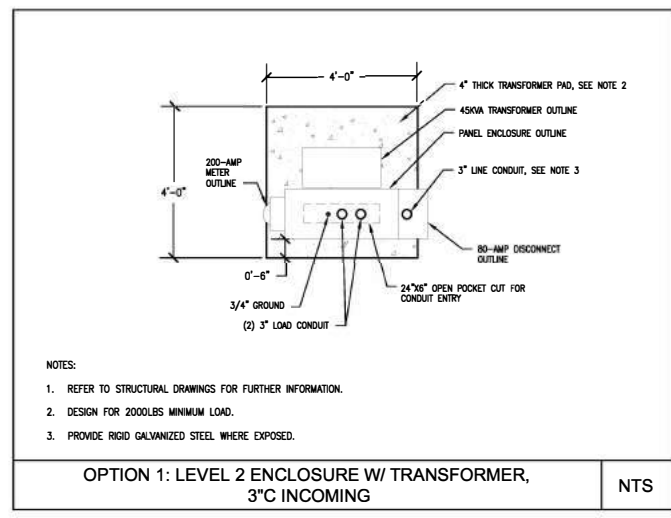
OPTION 4: LEVEL 2 ENCLOSURE W/ TRANSFORMER, 3"C INCOMING NTS



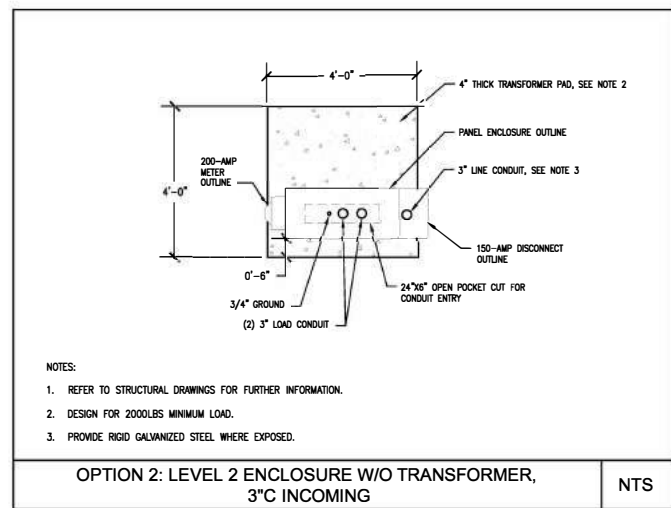
OPTION 5: LEVEL 2 ENCLOSURE W/O TRANSFORMER, 3"C INCOMING NTS



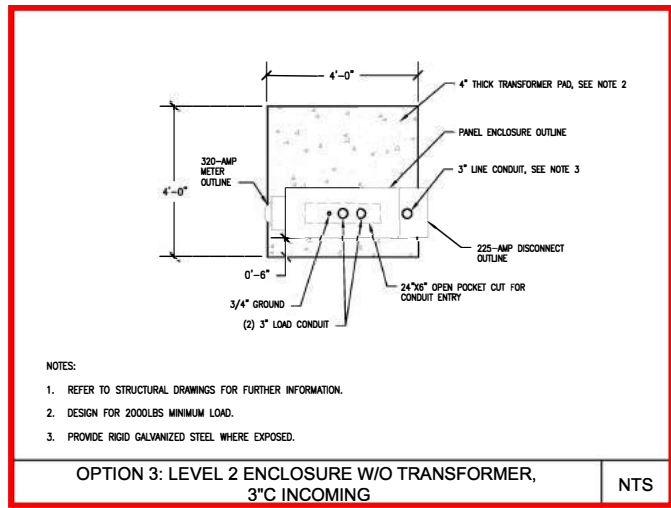
OPTION 6: LEVEL 2 ENCLOSURE W/O TRANSFORMER, 4"C INCOMING NTS



OPTION 1: LEVEL 2 ENCLOSURE W/ TRANSFORMER, 3"C INCOMING NTS



OPTION 2: LEVEL 2 ENCLOSURE W/O TRANSFORMER, 3"C INCOMING NTS



OPTION 3: LEVEL 2 ENCLOSURE W/O TRANSFORMER, 3"C INCOMING NTS



EV INFRASTRUCTURE ELECTRICAL DETAILS, SHEET 4

| REV | DATE | DESCRIPTION |
|-----|------------|-------------------|
| 1 | 12/16/2022 | ISSUED FOR REVIEW |
| 0 | 11/14/2022 | ISSUED FOR REVIEW |

TITLE: EVERSOURCE EV MAKE READY 2020 LEVEL 2 EV MODIFICATIONS

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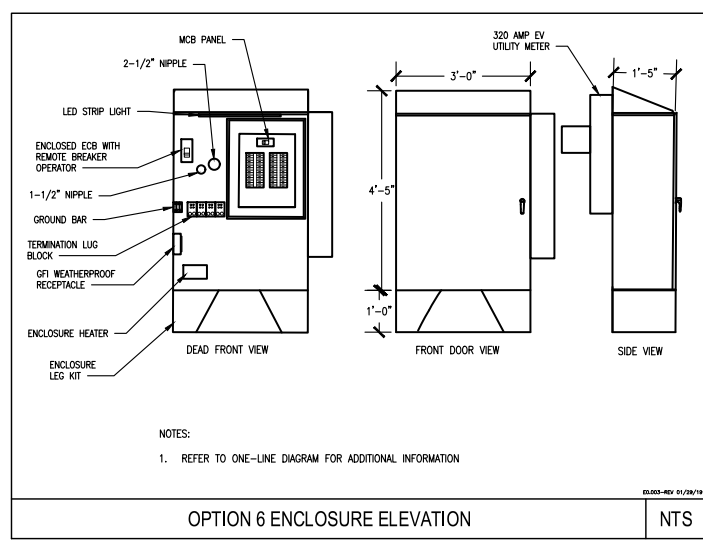
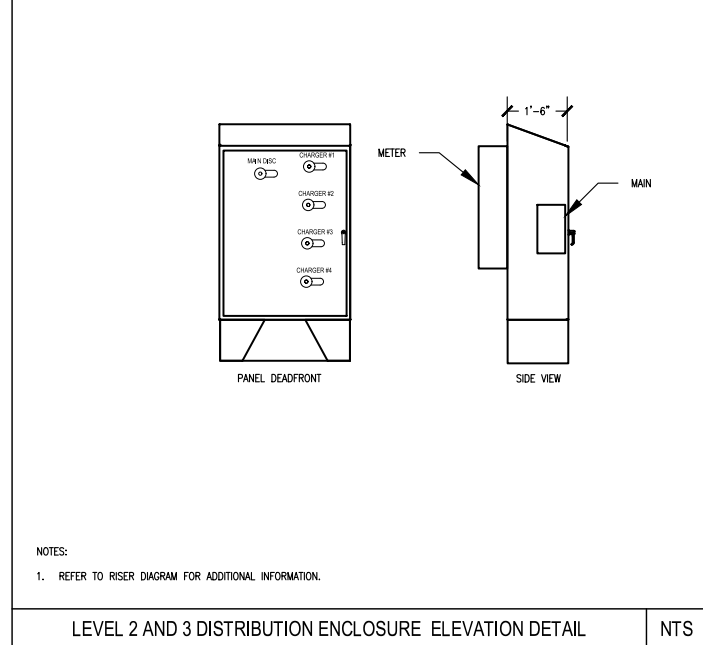
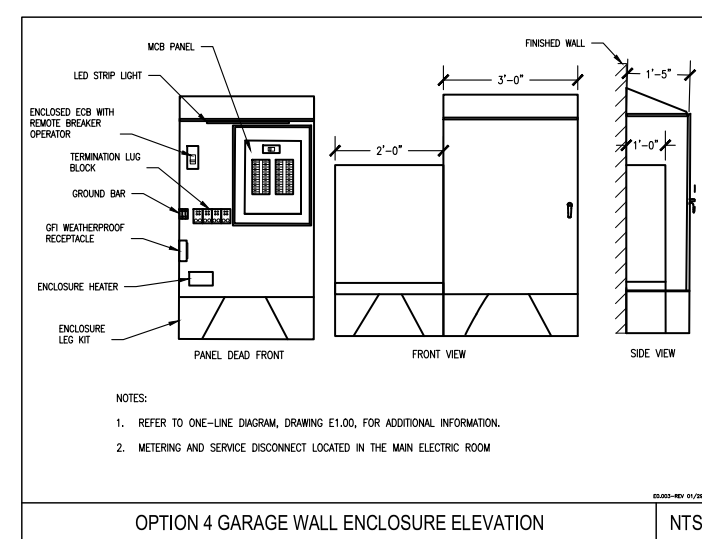
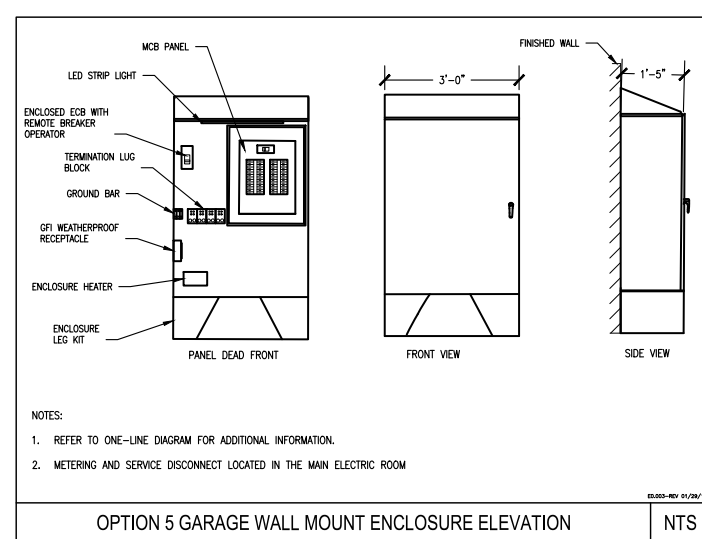
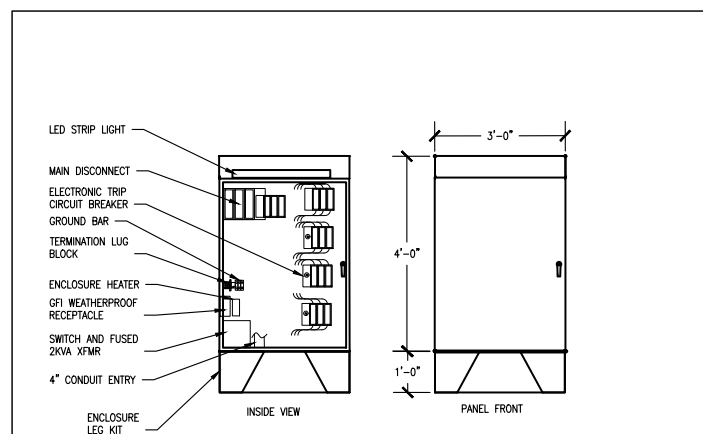
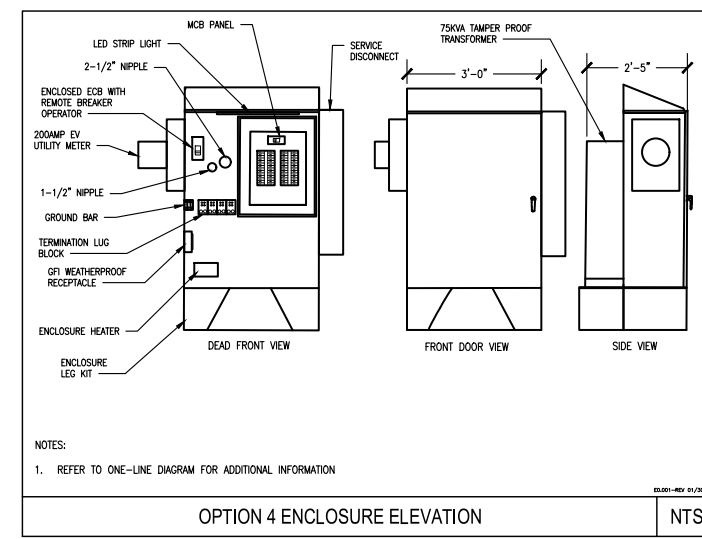
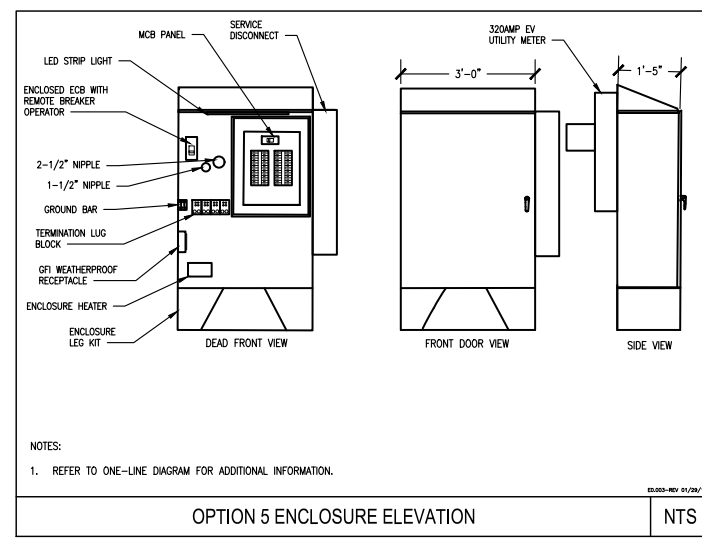
TRURO DPW, 36 SHORE RD, TRURO, MA 02666
ELECTRIC VEHICLE CHARGING STATIONS

SHEET TITLE
ELECTRICAL DETAILS SHEET 4

SHEET NUMBER
E-6

1" = 1'-0"
EACH BLOCK REPRESENTS ONE FOOT IN THE SCALE INDICATED

| DATE | DESCRIPTION | REV. |
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CLIENT: EVERSOURCE EV MAKE READY

PROJECT: 2020 LEVEL 2 EV MODIFICATIONS

OWNER REVIEW

SCALE: AS NOTED

DATE: TBD

DRAWN BY: YE

REVIEWED BY: MOB

JOB NUMBER: BEEV19C

DRAWING NO. E2.04



TITLE:
EV INFRASTRUCTURE ELECTRICAL DETAILS, SHEET 5

CLIENT: EVERSOURCE EV MAKE READY
PROJECT: 2020 LEVEL 2 EV MODIFICATIONS

OWNER REVIEW
SCALE: AS NOTED
DATE: TBD
DRAWN BY: YE
REVIEWED BY: MOB
JOB NUMBER: BEEV19C
DRAWING NO.

E2.05

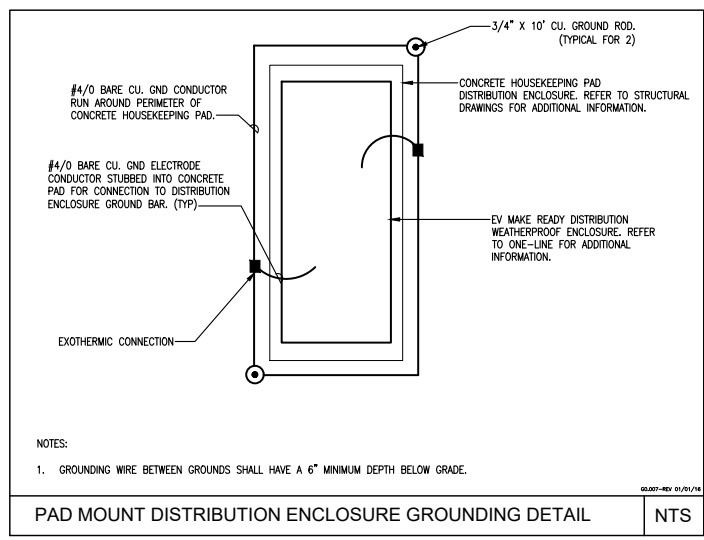
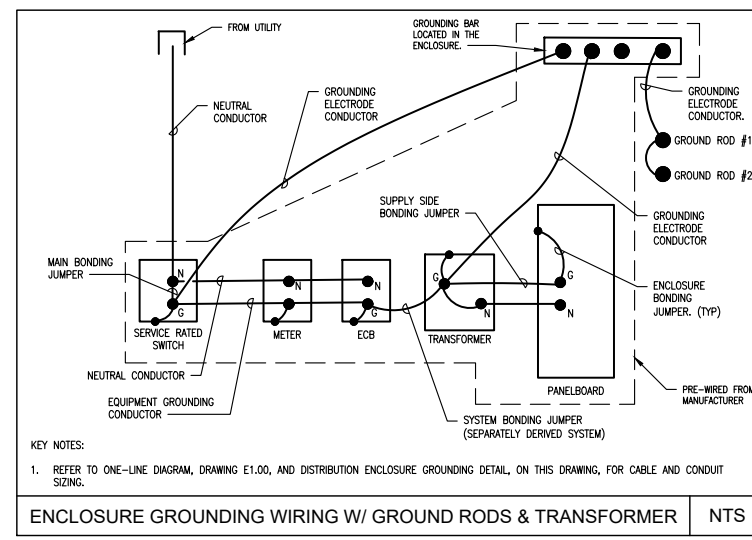
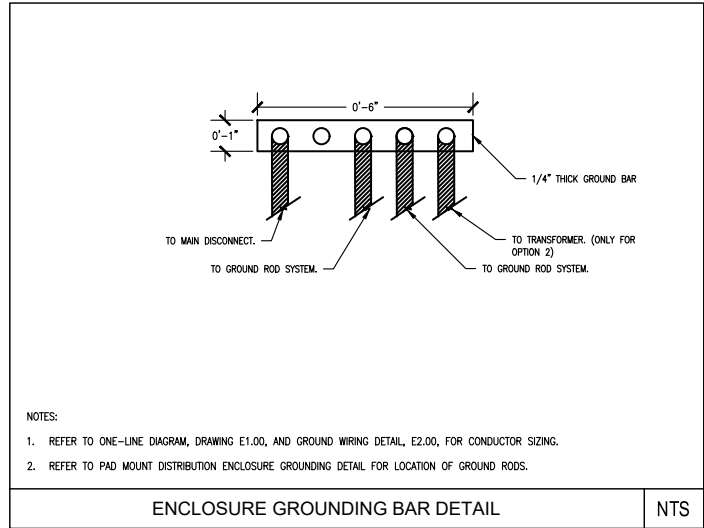
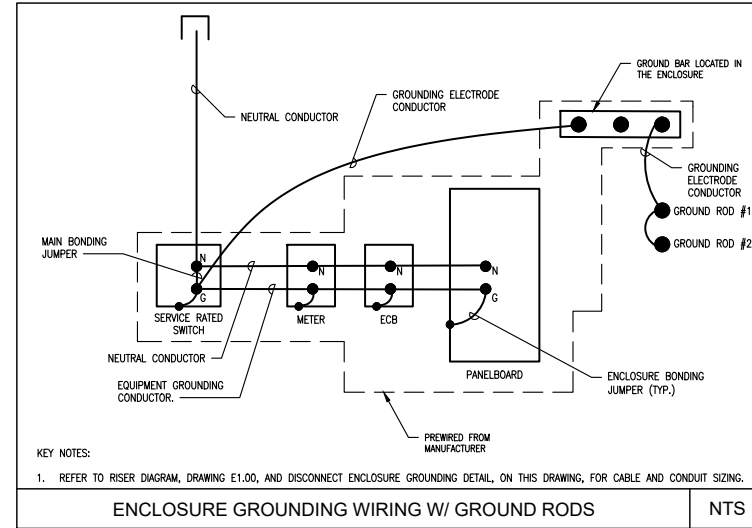
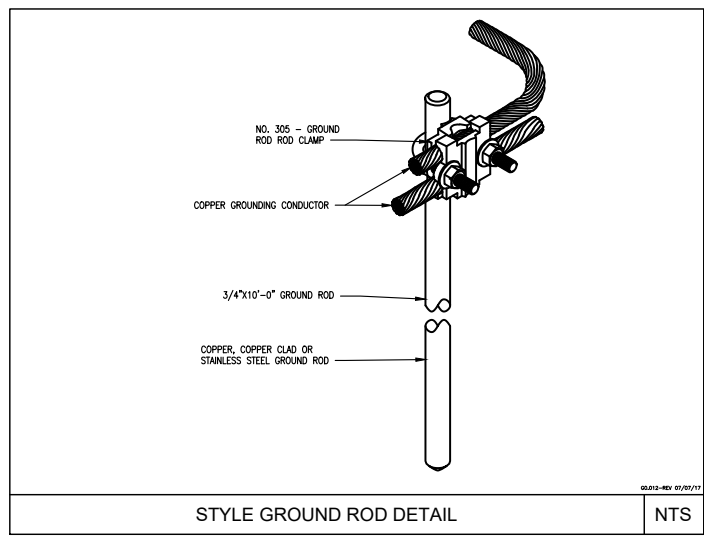
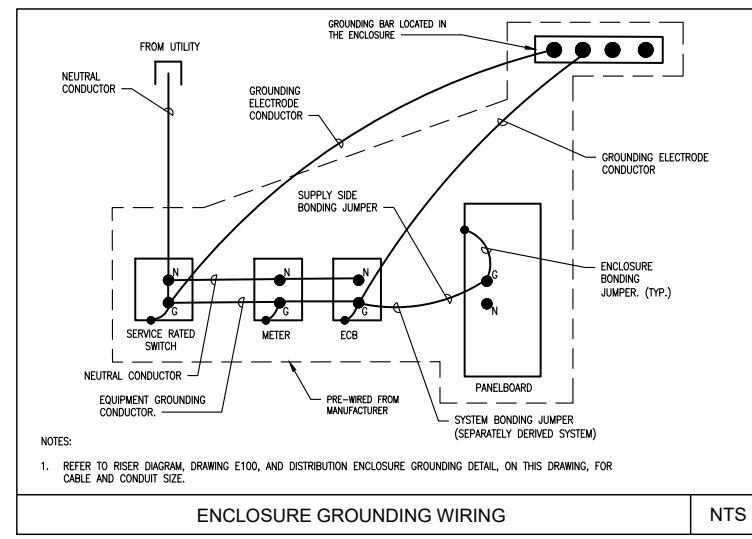
TRURO DPW, 36 SHORE RD, TRURO, MA 02666
ELECTRIC VEHICLE CHARGING STATIONS

SHEET TITLE
ELECTRICAL DETAILS SHEET 5

SHEET NUMBER
E-7

1" = 1'-0"
EACH BLOCK REPRESENTS ONE FOOT IN THE SCALE INDICATED

| DATE | DESCRIPTION | REV. |
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GENERAL CONSTRUCTION NOTES:

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL BUILDING CODE, THE LATEST ADOPTED EDITION AND ALL OTHER APPLICABLE CODES AND ORDINANCES.
2. CONTRACTOR SHALL CONSTRUCT SITE IN ACCORDANCE WITH THESE DRAWINGS AND LATEST EVERSOURCE CONSTRUCTION STANDARDS. THE SPECIFICATION IS THE RULING DOCUMENT AND ANY DISCREPANCIES BETWEEN THE SPECIFICATION AND THE CONSTRUCTION DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER OR EVERSOURCE CM PRIOR TO THE COMMENCEMENT OF WORK.
3. CONTRACTOR SHALL VISIT THE JOB SITE AND SHALL FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PROVISIONS AS TO THE COST THEREOF. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED, AS SHOWN, PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER OR EVERSOURCE CM PRIOR TO THE COMMENCEMENT OF WORK. NO COMPENSATION WILL BE AWARDED BASED ON CLAIM OF LACK OF KNOWLEDGE OF FIELD CONDITIONS.
4. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. CONTRACTOR IS REQUIRED TO FURNISH AND INSTALL ANY/ALL ITEMS FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM SUBJECT ONLY TO OWNER-SUPPLIED ITEMS. CONTRACTOR SHALL PROVIDE ANY/ALL REQUIREMENTS FOR THE EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
5. PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT AND APPURTENANCE, AND LABOR NECESSARY TO EFFECT ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
6. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENTS IS REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS. SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS AND/OR DESIGN INTENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING ANY DISCREPANCIES TO THE ATTENTION TO THE EVERSOURCE CM, IN WRITING, PRIOR TO THE COMMENCEMENT OF WORK.
7. DETAILS PROVIDED ARE FOR THE PURPOSE OF SHOWING DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR SITE CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
8. CONTRACTOR SHALL PAY FOR APPLICABLE PERMITS, FEES, INSPECTIONS AND TESTING. CONTRACTOR IS TO OBTAIN PERMITS AND APPROVED SUBMITTALS PRIOR TO ORDERING MATERIALS AND THE COMMENCEMENT OF WORK.
9. THE TERM "PROVIDE" USED IN CONSTRUCTION DOCUMENTS AND SPECIFICATIONS, INDICATES THAT THE CONTRACTOR SHALL FURNISH AND INSTALL.
10. CONTRACTOR SHALL RECEIVE CLARIFICATION IN WRITING, AND SHALL RECEIVE IN WRITING AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEMS NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
11. CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING ACCEPTED INDUSTRY-STANDARD SKILL AND ATTENTION. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER CONTRACT, UNLESS OTHERWISE NOTED.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORK AREA AND BUILDING ADJACENT AREAS OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT, WORK SHALL CONFORM TO ALL OSHA REQUIREMENTS.
13. CONTRACTOR SHALL COORDINATE THEIR WORK WITH THE EVERSOURCE CM AND SCHEDULE THEIR ACTIVITIES AND WORKING HOURS IN ACCORDANCE WITH THE REQUIREMENTS.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THEIR WORK WITH THE WORK OF OTHERS AS IT MAY RELATE TO ALL PORTIONS OF THE WORK.
15. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS UNLESS SPECIFICALLY OTHERWISE INDICATED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
16. CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING SURFACES, EQUIPMENT, IMPROVEMENTS, PIPING ETC. AND IMMEDIATE REPAIR, TO NEW CONDITION, ANY DAMAGE THAT OCCURS DURING CONSTRUCTION AT THE SOLE COST OF THE CONTRACTOR.

17. IN DRILLING HOLES, OR CORING, INTO CONCRETE WHETHER FOR FASTENING OR ANCHORING PURPOSES, OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS, PIPE RUNS ETC. MUST BE CLEARLY UNDERSTOOD THAT REINFORCING STEEL SHALL NOT BE DRILLED INTO, CUT OR DAMAGED UNDER ANY CIRCUMSTANCES (UNLESS NOTED OTHERWISE). LOCATIONS OF REINFORCING STEELS ARE NOT DEFINITELY KNOWN AND THEREFORE MUST BE LOCATED BY THE CONTRACTOR USING APPROPRIATE METHODS AND EQUIPMENT PRIOR TO ANY DRILLING OR CORING OPERATIONS IN EXISTING CONCRETE.
18. CONTRACTOR SHALL REPAIR, TO NEW CONDITION, ALL EXISTING WALL SURFACES DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND IN WITH ADJACENT SURFACES.
19. CONTRACTOR SHALL SEAL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES OR MATERIALS WITH U.L. LISTED AND FIRE CODE APPROVED MATERIALS AND SYSTEMS THAT MEET OR EXCEED THE RATING OF THE ASSEMBLY IN WHICH THE NEW PENETRATION IS PLACED.
20. CONTRACTOR SHALL KEEP CONTRACT AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS AND RUBBISH. EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY OF THE OWNER SHALL BE REMOVED. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST OR SMUDGES OF ANY NATURE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ITEMS UNTIL COMPLETION OF CONSTRUCTION.
21. MINIMUM BEND RADIUS OF CABLES SHALL BE IN ACCORDANCE WITH CABLE MANUFACTURERS RECOMMENDATIONS.
22. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION SHALL BE IN COMFORMANCE WITH JURISDICTIONAL OR STATE AND LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL AND COORDINATED WITH LOCAL REGULATORY AUTHORITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ANY EROSION CONTROL MEASURES, RECORD-KEEPING, MONITORING, AND REPORTING TO THE OWNER AND REGULATORY AUTHORITIES.
23. ALL CONSTRUCTION WORK IS TO ADHERE TO APPLICANT'S INTEGRATED CONSTRUCTION STANDARDS UNLESS STATE OR LOCAL CODE IS MORE STRINGENT.
24. THE INTENT OF THE PLANS AND SPECIFICATION IS TO PERFORM THE CONSTRUCTION IN ACCORDANCE PER STATE BUILDING STANDARDS CODE AND STATE CODE OF REGULATIONS, SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE APPROVED PLANS AND SPECIFICATIONS WHEREIN THE FINISHED WORK WILL NOT COMPLY PER STATE CODE OF REGULATIONS, A SCOPE OF WORK DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE JURISDICTION BEFORE PROCEEDING WITH THE WORK. A CHANGE ORDER FOR THAT SCOPE SHALL BE SUBMITTED TO THE EVERSOURCE CM PRIOR TO PROCEEDING WITH THE WORK.
25. ADEQUATE AND REQUIRED LIABILITY INSURANCE SHALL BE PROVIDED BY THE CONTRACTOR FOR PROTECTION AGAINST THE PUBLIC LOSS AND/ANY PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
26. CONTRACTOR SHALL GUARANTEE ANY/ALL MATERIALS AND WORK FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE. ANY CORRECTIVE WORK SHALL BE COMPLETED AT THE SOLE COST OF THE CONTRACTOR.

ELECTRICAL NOTES:

1. ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ANY/ALL ELECTRICAL WORK INDICATED. ANY/ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND ANY/ALL APPLICABLE SPECIFICATIONS. IF ANY PROBLEMS ARE ENCOUNTERED BY COMPLYING WITH THESE REQUIREMENTS, CONTRACTOR SHALL NOTIFY EVERSOURCE CM AS SOON AS POSSIBLE, AFTER THE DISCOVERY OF THE PROBLEMS, AND SHALL NOT PROCEED WITH THAT PORTION OF WORK, UNTIL THE EVERSOURCE CM HAS DIRECTED THE CORRECTIVE ACTION TO BE TAKEN.
2. ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH ANY/ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATION INSTALLATION AND MAKE PROVISION AS TO THE COST THEREOF ALL EXISTING CONDITION OF ELECTRICAL EQUIPMENT, ETC. THAT ARE PART OF THE FINAL SYSTEM, SHALL BE VERIFIED BY THE CONTRACTOR, PRIOR TO THE SUBMITTING OF THEIR BID. FAILURE TO COMPLY WITH THIS PARAGRAPH WILL IN NO WAY RELIEVE CONTRACTOR OF PERFORMING ALL WORK NECESSARY FOR A COMPLETE AND WORKING SYSTEM.

3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE NEC, ALL CODES AND ORDINANCES OF THE LOCAL JURISDICTION, AND POWER AND TELEPHONE COMPANIES HAVING JURISDICTION AND SHALL INCLUDE BUT ARE NOT LIMITED TO:
 - A) UL-UNDERWRITERS LABORATORIES
 - B) NEC-NATIONAL ELECTRICAL CODE
 - C) NEMA-NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
 - D) OSHA-OCCUPATIONAL SAFETY AND HEALTH ACT
 - E) SBC-STANDARD BUILDING CODE
 - F) NFPA-NATIONAL FIRE PROTECTION AGENCY
 - G) ANSI-AMERICAN NATIONAL STANDARDS INSTITUTE
 - H) IEEE-INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
 - I) ASTM-AMERICAN SOCIETY FOR TESTING MATERIALS
4. REFER TO SITE PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT, AND CONFIRM WITH EVERSOURCE CM ANY SIZES AND LOCATIONS WHEN NEEDED.
5. EXISTING SERVICES: CONTRACTOR SHALL NOT INTERRUPT EXISTING SERVICES WITHOUT WRITTEN PERMISSION OF THE OWNER.
6. CONTRACTOR SHALL CONFIRM WITH LOCAL UTILITY COMPANY ANY/ALL REQUIREMENTS SUCH AS THE : LUG SIZE RESTRICTIONS, CONDUIT ENTRY, SIZE OF TRANSFORMERS SCHEDULED DOWNTIME FOR OWNERS' CONFIRMATION, ETC... ANY/ALL CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE EVERSOURCE CM, PRIOR TO BEGINNING ANY WORK.
7. MINIMUM WIRE SIZE SHALL BE #12 AWG, NOT INCLUDING CONTROL WIRING, UNLESS NOTED OTHERWISE. ALL CONDUCTORS SHALL BE COPPER WITH THWN INSULATION, UNLESS OTHERWISE NOTED.
8. OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET/DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
9. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF THE CONSTRUCTION. CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS FOR THE EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
10. ELECTRICAL SYSTEM SHALL BE AS COMPLETELY AND EFFECTIVELY GROUNDED, AS REQUIRED BY SPECIFICATIONS, SET FORTH BY APPLICANT.
11. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS, WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY FUNCTIONAL AND SHALL BE APPROVED BY THE EVERSOURCE CM AND LOCAL JURISDICTION. ANY DEFICIENCIES SHALL BE CORRECTED BY AN ELECTRICAL CONTRACTOR AT THE SOLE COST OF THE CONTRACTOR.
12. ALL WORK SHALL BE COORDINATED WITH OWNER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
13. THE CORRECTION OF ANY DEFECTS SHALL BE COMPLETED BY THE CONTRACTOR WITHOUT ANY ADDITIONAL CHARGE AND SHALL INCLUDE THE REPLACEMENT OR THE REPAIR OF ANY OTHER PHASE OF THE INSTALLATION, WHICH MAY HAVE BEEN DAMAGED THEREIN.
14. CONTRACTOR SHALL PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULL WIRES, BOXES, COVER PLATES AND DEVICES FOR ALL OUTLETS AS INDICATED.
15. DITCHING AND BACK FILL: CONTRACTOR SHALL PROVIDE FOR ALL UNDERGROUND INSTALLED CONDUIT AND/OR CABLES INCLUDING EXCAVATION AND BACKFILLING AND COMPACTION. REFER TO NOTES AND REQUIREMENTS "EXCAVATION AND BACKFILLING".
16. MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SHALL APPEAR ON THE LIST OF U.L. APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF THE NEC, NEMA AND IEC.
17. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR MANUFACTURER'S CATALOG INFORMATION OF ANY/ALL EQUIPMENT AND ALL OTHER ELECTRICAL ITEMS FOR APPROVAL BY THE EVERSOURCE CM PRIOR TO INSTALLATION.
18. ANY CUTTING OR PATCHING DEEMED NECESSARY FOR ELECTRICAL WORK IS THE ELECTRICAL CONTRACTORS RESPONSIBILITY AND SHALL BE INCLUDED IN THE COST FOR WORK AND PERFORMED TO THE SATISFACTION OF THE EVERSOURCE CM UPON FINAL ACCEPTANCE.
19. THE ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELS WITH ONLY TYPE WRITTEN DIRECTORIES. ALL ELECTRICAL WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
20. DISCONNECT SWITCHES SHALL BE UL-RATED, H.P. RATED, H.P. RATED HEAVY-DUTY, QUICK-MAKE AND QUICK-BREAK ENCLOSURES, AS REQUIRED BY EXPOSURE TYPE.
21. ALL CONNECTIONS SHALL BE MADE WITH A PROTECTIVE COATING OF AN ANTI-OXIDE COMPOUND KNOWN AS "NO-OXIDE A" BY DEARBORNE CHEMICAL COMPANY. COAT ALL WIRE SURFACES BEFORE CONNECTING. EXPOSED COPPER SURFACES, INCLUDING GROUND BARS, SHALL BE TREATED-NO SUBSTITUTIONS.



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Boston,
Massachusetts, 02199
+1 800-592-2000

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| PROJECT NO: | 10-19-0005.537 |
| DRAWN BY: | D.D. |
| CHECKED BY: | D.C. |

| REV | DATE | DESCRIPTION |
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| 1 | 12/16/2022 | ISSUED FOR REVIEW |
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TRURO DPW, 36 SHORE RD, TRURO, MA 02666

ELECTRIC VEHICLE CHARGING STATIONS

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-1

ELECTRICAL NOTES CONT'D:

1. RACEWAYS: CONDUIT SHALL BE SCHEDULE 40/80 PVC MEETING OR EXCEEDING NEMA TC2 - 1990. CONTRACTOR SHALL PLUG AND CAP EACH END OF SPARE AND EMPTY CONDUITS AND PROVIDE TWO SEPARATE PULL STRINGS - 200 LBS TEST POLYETHYLENE CORD. ALL CONDUIT BENDS SHALL BE A MINIMUM OF 2 FT. RADIUS. RGS FITTINGS SHALL BE SUITABLE FOR USE WITH THREADED RIDGED CONDUIT. COAT ALL THREADS WITH "BRITE ZINC" OR "COLD GALV."
2. SUPPORT OF ALL ELECTRICAL WORK SHALL BE AS REQUIRED BY NEC.
3. CONDUCTORS: CONTRACTOR SHALL USE 98% CONDUCTIVITY COPPER WITH TYPE THWN INSULATION, UNLESS OTHERWISE NOTED, 600 VOLT, COLOR CODED. USE SOLID CONDUCTORS FOR WIRE UP TO AND INCLUDING NO. 8 AWG. USE STANDARD CONDUCTORS FOR WIRE ABOVE NO. 8 AWG.
4. CONNECTORS FOR POWER CONDUCTORS: CONTRACTOR SHALL USE PRESSURE TYPE INSULATED TWIST-ON CONNECTORS FOR NO. 10 AWG AND SMALLER. USE SOLDERLESS MECHANICAL TERMINAL LUGS FOR NO. 8 AWG LARGER.
5. SERVICE: AS SPECIFIED ON THE DRAWINGS, OWNER OR OWNER'S AGENT WILL APPLY FOR POWER. ALL PROVISIONS FOR TEMPORARY POWER WILL BE OBTAINED BY THE CONTRACTOR.
6. TELEPHONE OR FIBRE SERVICE: CONTRACTOR SHALL PROVIDE EMPTY CONDUITS WITH PULL STRINGS AS INDICATED ON DRAWINGS.
7. ELECTRICAL AND TELCO/FIBRE RACEWAYS TO BE BURIED A MINIMUM DEPTH OF 30", UNLESS OTHERWISE NOTED.
8. CONTRACTOR SHALL PLACE 6" WIDE DETECTABLE WARNING TAPE AT A DEPTH OF 6" BELOW GROUND AND DIRECTLY ABOVE ELECTRICAL AND TELCO SERVICE CONDUITS. CAUTIONS TAPE TO READ "CAUTION BURIED ELECTRIC" OR BURIED TELECOMM".
9. ALL BOLTS SHALL BE 3-16 STAINLESS STEEL.

GROUNDING NOTES:

1. ALL HARDWARE SHALL BE 3-16 STAINLESS STEEL, INCLUDING LOCK WASHERS. COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND, AS SPECIFIED, BEFORE MATING. ALL HARDWARE SHALL BE STAINLESS STEEL 3/8 INCH DIAMETER OR LARGER.
2. FOR GROUND BOND TO STEEL ONLY: INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
3. ALL STEEL CONDUIT SHALL BE BONDED AT BOTH ENDS WITH GROUNDING BUSHING.
4. ALL ELECTRICAL AND GROUNDING AT THE POLE SITE SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 780 (LATEST EDITION), AND MANUFACTURER.
5. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION AND CONSTRUCTION MAY VARY DUE TO SITE SPECIFIC CONDITIONS.
6. ALL GROUND CONNECTIONS SHALL BE #6 AWG, UNLESS OTHERWISE NOTED. ALL WIRES SHALL BE COPPER WITH THIN, UNLESS OTHERWISE NOTED. ALL GROUND WIRE SHALL BE SOLID TIM COATED OR STRANDED GREEN INSULATED WIRE.
7. CONTRACTOR TO VERIFY AND TEST GROUND TO SOURCE, 10 OHMS MAXIMUM. PROVIDE SUPPLEMENT GROUNDING RODS AS REQUIRED TO ACHIEVE SPECIFIED OHMS READING. GROUNDING AND OTHER OPTIONAL TESTING WILL BE WITNESSED BY THE EVERSOURCE CM.
8. NOTIFY ARCHITECT/ENGINEER IF THERE ARE ANY DIFFICULTIES INSTALLING GROUNDING SYSTEM DUE TO SITE SOIL CONDITIONS.
9. ALL HORIZONTALLY RUN GROUNDING CONDUCTORS SHALL BE INSTALLED A MINIMUM OF 30" BELOW GRADE/ 6" BELOW FROST-LINE IN TRENCH, UNLESS OTHERWISE NOTED. BACK FILL SHALL BE COMPACTED AS REQUIRED BY ARCHITECT/ENGINEER.
10. ALL GROUND CONDUCTORS SHALL BE RUN AS STRAIGHT AND SHORT AS POSSIBLE, WITH A MINIMUM OF 12" BENDING RADIUS NOT LESS THAN 90 DEGREES.
11. ACCEPTABLE CONDITIONS FOR GROUNDING SYSTEM SHALL BE:
 - A) BURNDY, HY-GRADE U.L. LISTED CONNECTORS FOR OUTDOOR USE OR AS APPROVED BY APPLICANT PROJECT MANAGER.
 - B) CADWELD, EXOTHERMIC WELDS (WELDED CONNECTIONS).
 - C) ONE (1) HOLE TINNED COPPER COMPRESSION (LONG BARREL) FITTINGS.
12. ALL CRIMPED CONNECTION SHALL HAVE EMBOSSED MANUFACTURER'S DIEMARK VISIBLE AT THE CRIMP (RESULTING FROM USE OF PROPER CRIMPING DEVICES) AND WEATHER-PROOFED WITH HEAT SHRINK.

13. ALL CONNECTION HARDWARE SHALL BE TYPE 3-16 STAINLESS STEEL (NOT ATTRACTED TO MAGNETS).
14. ELECTRICAL SERVICE EQUIPMENT GROUNDING SHALL COMPLY WITH NEC, ARTICLE 250-82 AND SHALL BOND ALL EXISTING AND NEW GROUNDING ELECTRODES. NEW GROUNDING ELECTRODE SHALL INCLUDE BUT NOT LIMITED TO GROUND RODS.

SITE WORK NOTES:

1. DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.
2. SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON AS-BUILD DRAWINGS BY GENERAL CONTRACTOR AND ISSUED TO ARCHITECT/ ENGINEER AT COMPLETION OF PROJECT.
3. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS AND THEIR DIMENSIONS SHOWN ON PLANS HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
4. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES BOTH HORIZONTALLY AND VERTICALLY PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT/ENGINEER OR EVERSOURCE CM FOR RESOLUTION AND INSTRUCTIONS, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT/ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT THEIR OWN RISK AND EXPENSE. CONTRACTOR SHALL CALL LOCAL UTILITY LOCATE HOT LINE, SUCH AS 811, FOR UTILITY LOCATIONS A MINIMUM OF 48 HOURS PRIOR TO START OF CONSTRUCTION.
5. ALL NEW AND EXISTING STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK. ANY COST RELATED TO ADJUSTING EXISTING STRUCTURES SHALL BE BORNE SOLELY BY THE CONTRACTOR.
6. GRADING OF THE SITE WORK AREA IS TO BE SMOOTH AND CONTINUOUS IN SLOPE AND IS TO FEATHER INTO EXISTING GRADES AT THE GRADING LIMITS.
7. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
8. STRUCTURAL FILLS SUPPORTING PAVEMENTS SHALL BE COMPACTED TO 95% OF MAXIMUM STANDARD PROCTOR DRY DENSITY, UNLESS OTHERWISE NOTED.
9. NEW GRADES NOT IN BUILDING AND DRIVEWAY IMPROVEMENT AREA TO BE ACHIEVED BY FILLING WITH APPROVED CLEAN FILL AND COMPACTED TO 95 % OF STANDARD PROCTOR DENSITY.

10. ALL FILL SHALL BE PLACED IN UNIFORM LIFTS. THE LIFTS THICKNESS SHOULD NOT EXCEED THAT WHICH CAN BE PROPERLY COMPACTED THROUGHOUT ITS ENTIRE DEPTH WITH THE EQUIPMENT AVAILABLE.
11. ANY FILLS PLACED ON EXISTING SLOPES THAT ARE STEEPER THAN 10 HORIZONTAL TO 1 VERTICAL SHALL BE PROPERLY BENCHED INTO THE EXISTING SLOPE AS DIRECTED BY GEOTECHNICAL ENGINEER.
12. CONTRACTOR SHALL CLEAN ENTIRE SITE AFTER CONSTRUCTION SUCH THAT NO DEBRIS, PAPER, TRASH, WEEDS, BRUSH, EXCESS FILL, OR ANY OTHER DEPOSITS WILL REMAIN. ALL MATERIALS COLLECTED DURING CLEANING OPERATIONS SHALL BE DISPOSED OF OFF-SITE BY THE GENERAL CONTRACTOR.
13. ALL TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH THE IMPROVEMENTS SHALL BE PROTECTED BY THE GENERAL CONTRACTOR.
14. ALL SITE WORK SHALL BE CAREFULLY COORDINATED BY GENERAL CONTRACTOR WITH LOCAL UTILITY COMPANY, AND ANY OTHER UTILITY COMPANIES HAVING JURISDICTION OVER THIS LOCATION.

ENVIRONMENTAL NOTES:

1. ALL WORK PERFORMED SHALL BE DONE IN ACCORDANCE WITH ISSUED PERMITS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF FINES AND PROPER CLEAN UP FOR AREAS IN VIOLATION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS DURING CONSTRUCTION FOR PROTECTION OF ADJACENT PROPERTIES, ROADWAYS AND WATERWAYS. ALL EROSION AND SEDIMENTATION CONTROLS SHALL BE MAINTAINED IN PLACE THROUGH FINAL JURISDICTIONAL INSPECTION AND RELEASE OF SITE.
3. CONTRACTOR SHALL INSTALL/CONSTRUCT ALL NECESSARY SEDIMENT/SILT CONTROL FENCING AND PROTECTIVE MEASURES AS REQUIRED BY THE LOCAL JURISDICTION WITHIN THE LIMITS OF SITE DISTURBANCE PRIOR TO CONSTRUCTION.
4. NO SEDIMENTATION SHALL BE ALLOWED TO EXIT THE PROPERTY. THE CONTRACTOR IS RESPONSIBLE FOR TAKING ADEQUATE MEASURES FOR CONTROLLING EROSION. ADDITIONAL SEDIMENT CONTROL FENCING MAY BE REQUIRED IN ANY AREAS SUBJECT TO EROSION.
5. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE ON THE SITE AT ALL TIMES WITH SILT AND EROSION CONTROL MEASURES MAINTAINED ON THE DOWNSTREAM SIDE OF SITE DRAINAGE. ANY DAMAGE TO THE ADJACENT PROPERTY AS A RESULT OF EROSION WILL BE CORRECTED AT THE CONTRACTORS EXPENSE.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY INSPECTIONS AND ANY REPAIRS OF ALL SEDIMENT CONTROL MEASURES INCLUDING SEDIMENT REMOVAL AS NECESSARY.
7. CLEARING OF VEGETATION AND TREE REMOVAL SHALL BE ONLY AS PERMITTED AND BE HELD TO A MINIMUM. ONLY TREES NECESSARY FOR CONSTRUCTION OF THE FACILITIES SHALL BE REMOVED.
8. SEEDING AND MULCHING AND/OR SODDING OF THE SITE WILL BE ACCOMPLISHED AS SOON AS POSSIBLE AFTER COMPLETION OF THE PROJECT FACILITIES AFFECTING LAND DISTURBANCE.
9. CONTRACTOR SHALL PROVIDE ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS REQUIRED BY LOCAL, COUNTY AND STATE CODES AND ORDINANCES TO PROTECT EMBANKMENTS FROM SOIL LOSS AND TO PREVENT ACCUMULATION OF SOIL AND SILT IN STREAMS AND DRAINAGE PATHS LEAVING THE CONSTRUCTION AREA. THIS MAY INCLUDE, BUT IS NOT LIMITED TO SUCH MEASURES AS SILT FENCES, STRAW BALE SEDIMENT BARRIERS, AND CHECK DAMS.
10. RIP RAP OF SIZES INDICATED SHALL CONSIST OF CLEAN, HARD, SOUND, DURABLE, UNIFORM IN QUALITY STONE FREE OF ANY DETRIMENTAL QUANTITY OF SOFT, FRIABLE, THIN, ELONGATED OR LAMINATED PIECES, DISINTEGRATED MATERIAL, ORGANIC MATTER, OIL, ALKALI, OR OTHER DELETERIOUS SUBSTANCES.
11. GENERAL CONTRACTOR TO PLACE MATERIAL AT ALL CATCH BASINS ADJACENT TO CONSTRUCTION SITE TO PREVENT SOLID WASTE CONTAMINATION FROM ENTERING SEWER SYSTEM.



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|-------------|----------------|
| PROJECT NO: | 10-19-0005.537 |
| DRAWN BY: | D.D. |
| CHECKED BY: | D.C. |

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TRURO DPW, 36 SHORE RD, TRURO, MA 02666

ELECTRIC VEHICLE CHARGING STATIONS

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-2

FOUNDATION, EXCAVATION AND BACKFILL NOTES:

1. ALL FINAL GRADED SLOPES SHALL BE A MAXIMUM OF 3 HORIZONTAL TO 1 VERTICAL, UNLESS OTHERWISE NOTED.
2. FOR BACKFILL OF POLE IN POOR SOIL AREAS IT IS RECOMMENDED TO USE POLE SETTING FOAM PER MANUFACTURER SPECS.
NON-NATIVE SOIL SHALL BE REMOVED FROM BORE AREA AND SHALL NOT BE REUSED FOR BACKFILL.
3. ALL EXCAVATIONS PREPARED FOR PLACEMENT OF CONCRETE SHALL BE OF UNDISTURBED SOILS, SUBSTANTIALLY HORIZONTAL AND FREE FROM ANY LOOSE, UNSUITABLE MATERIAL OR FROZEN SOILS, AND WITHOUT THE PRESENCE OF POUNDING WATER. DEWATERING FOR EXCESS GROUND WATER SHALL BE PROVIDED WHEN REQUIRED. COMPACTION OF SOILS UNDER CONCRETE PAD FOUNDATIONS SHALL NOT BE LESS THAN 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY FOR THE SOIL IN ACCORDANCE WITH ASTM D1557.
4. CONCRETE FOUNDATION SHALL NOT BE PLACED ON ORGANIC OR UNSUITABLE MATERIAL. IF ADEQUATE BEARING CAPACITY IS NOT ACHIEVED AT THE DESIGNED EXCAVATION DEPTH, THE UNSATISFACTORY SOIL SHALL BE EXCAVATED TO ITS FULL DEPTH AND EITHER BE REPLACED WITH MECHANICALLY COMPACTED GRANULAR MATERIAL OR THE EXCAVATION SHALL BE FILLED WITH CONCRETE OF THE SAME TYPE SPECIFIED FOR THE FOUNDATION. CRUSHED STONE MAY BE USED TO STABILIZE THE BOTTOM OF EXCAVATION. ANY STONE SUB BASE MATERIAL, IF USED, SHALL NOT SUBSTITUTE FOR REQUIRED THICKNESS OF CONCRETE.
5. ALL EXCAVATION SHALL BE CLEAN OF UNSUITABLE MATERIAL SUCH AS VEGETATION, TRASH, DEBRIS, AND SO FORTH PRIOR TO BACK FILLING. BACK FILL SHALL CONSIST OF APPROVED MATERIAL SUCH AS EARTH, LOAM, SANDY CLAY, SAND AND GRAVEL, OR SOFT SHALE, FREE FROM CLODS OR LARGE STONES OVER 2 1/2" MAX DIMENSIONS. ALL BACK FILL SHALL BE PLACED IN COMPACTED LAYERS.
6. ALL FILL MATERIALS AND FOUNDATION BACK FILL SHALL BE PLACED IN MAXIMUM 6" THICK LIFTS BEFORE COMPACTION. EACH LIFT SHALL BE WETTED IF REQUIRED AND COMPACTED TO NOT LESS THAN 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY FOR SOIL IN ACCORDANCE WITH ASTM D1557.
7. NEWLY PLACED CONCRETE FOUNDATIONS SHALL CURE A MINIMUM OF 72 HOURS PRIOR TO BACK FILLING.
8. FINISHED GRADING SHALL BE SLOPED TO PROVIDE POSITIVE DRAINAGE AND PREVENT STANDING WATER. THE FINAL (FINISH) ELEVATION OF SLAB FOUNDATIONS SHALL SLOPE AWAY IN ALL DIRECTION FROM THE CENTER. FINISH GRADE OF CONCRETE PADS SHALL BE A MAXIMUM OF 4 INCHES ABOVE FINAL FINISH GRADE ELEVATIONS WHERE REQUIRED.
9. NEWLY GRADED GRAVEL SURFACE AREAS TO RECEIVE GRAVEL SHALL BE COVERED WITH GEOTEXTILE FABRIC TYPE: TYPAR-3401 AS MANUFACTURED BY TYPAR GEOSYNTHETICS OR AN APPROVED EQUIVALENT, SHOWN ON PLANS. THE GEOTEXTILE FABRIC SHALL BE BLACK IN COLOR TO CONTROL THE RECURRENCE OF VEGETATIVE GROWTH AND EXTEND TO WITHIN 1 FOOT OUTSIDE THE SITE FENCING OR ELECTRICAL GROUNDING SYSTEM PERIMETER WHICHEVER IS GRATER. ALL FABRIC SHALL BE COVERED WITH A MINIMUM OF 4" DEEP COMPACTED STONE OR GRAVEL AS SPECIFIED. I.E. DOT TYPE NO. 57 FOR FENCED COMPOUND; DOT TYPE NO. 67 FOR ACCESS DRIVE AREA, UNLESS OTHERWISE NOTED.
10. IN ALL AREAS TO RECEIVE FILL: REMOVE ALL VEGETATION, TOPSOIL, DEBRIS, WET AND UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIAL FROM GROUND SURFACE. PLOW STRIP OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL SUCH THAT FILL MATERIAL WILL BIND WITH EXISTING/PREPARED SOIL SURFACE.
11. WHEN SUB GRADE OR PREPARED GROUND SURFACE HAS A DENSITY LESS THAN THAT REQUIRED FOR THE FILL MATERIAL, SCARIFY THE GROUND SURFACE TO DEPTH REQUIRED. PULVERIZE, MOISTURE-CONDITION AND/OR AERATE THE SOILS AND RECOMPACT TO THE REQUIRED DENSITY PRIOR TO PLACEMENT OF FILLS.
12. IN AREAS WHICH EXISTING GRAVEL SURFACING IS REMOVED OR DISTURBED DURING CONSTRUCTION OPERATIONS, REPLACE GRAVEL SURFACING TO MATCH ADJACENT GRAVEL SURFACING AND RESTORED TO THE SAME THICKNESS AND COMPACTION AS SPECIFIED. ALL RESTORED GRAVEL SURFACING SHALL BE FREE FROM CORRUGATIONS AND WAVES.

13. EXISTING GRAVEL SURFACING MAY NOT BE REUSED.
14. GRAVEL SUB SURFACE SHALL BE PREPARED TO REQUIRED COMPACTION AND SUB GRADE ELEVATIONS BEFORE GRAVEL SURFACING IS PLACED AND/OR RESTORED. ANY LOOSE OR DISTURBED MATERIALS SHALL BE THOROUGHLY COMPACTED AND ANY DEPRESSIONS IN THE SUB GRADE SHALL BE FILLED AND COMPACTED WITH APPROVED SELECTED MATERIAL. GRAVEL SURFACING MATERIAL SHALL NOT BE USED FOR FILLING DEPRESSION IN THE SUB GRADE.
15. PROTECT EXISTING GRAVEL SURFACING AND SUB GRADE IN AREAS WHERE EQUIPMENT LOADS WILL OPERATE. USE PLANKING "MATTS" OR OTHER SUITABLE PROTECTION DESIGNED TO SPREAD EQUIPMENT LOADS AS MAY BE NECESSARY. REPAIR ANY DAMAGE TO EXISTING GRAVEL SURFACING OR SUB GRADE WHERE SUCH DAMAGE IS DUE TO THE CONTRACTORS OPERATIONS.
16. DAMAGE TO EXISTING STRUCTURES AND/OR UTILITIES RESULTING FROM CONTRACTORS NEGLIGENCE SHALL BE REPAIRED AND/OR REPLACED TO THE OWNERS SATISFACTION AT NO ADDITIONAL COST TO THE CONTRACTOR.
17. ALL SUITABLE BORROW MATERIAL FOR BACK FILL OF THE SITE SHALL BE INCLUDED IN THE BID. EXCESS TOPSOIL AND UNSUITABLE MATERIAL SHALL BE DISPOSED OF OFF-SITE AT LOCATIONS APPROVED BY GOVERNING AGENCIES AT NO ADDITIONAL COST TO THE CONTRACT.



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| PROJECT NO: | 10-19-0005.537 |
| DRAWN BY: | D.D. |
| CHECKED BY: | D.C. |

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TRURO DPW, 36 SHORE
RD, TRURO, MA 02666

ELECTRIC VEHICLE
CHARGING STATIONS

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-3

EVERSOURCE ENERGY

ELECTRIC VEHICLE CHARGING STATIONS
 SITE NAME: TRURO DPW, 311 SHORE ROAD, TRURO, MA 02666
 SITE TYPE: EV INFRASTRUCTURE ELECTRICAL OPTION 3
 JURISDICTION: BARNSTABLE COUNTY

EVERSOURCE APPROVED

NAME: _____
 SIGNED: _____
 DATE: _____

CLIENT/OWNER APPROVED

NAME: _____
 SIGNED: _____
 DATE: _____

CLIENT POST CONSTRUCTION APPROVED

NAME: _____
 SIGNED: _____
 DATE: _____



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 Boston,
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PROJECT NO: 10-19-0005.538

DRAWN BY: T.R.

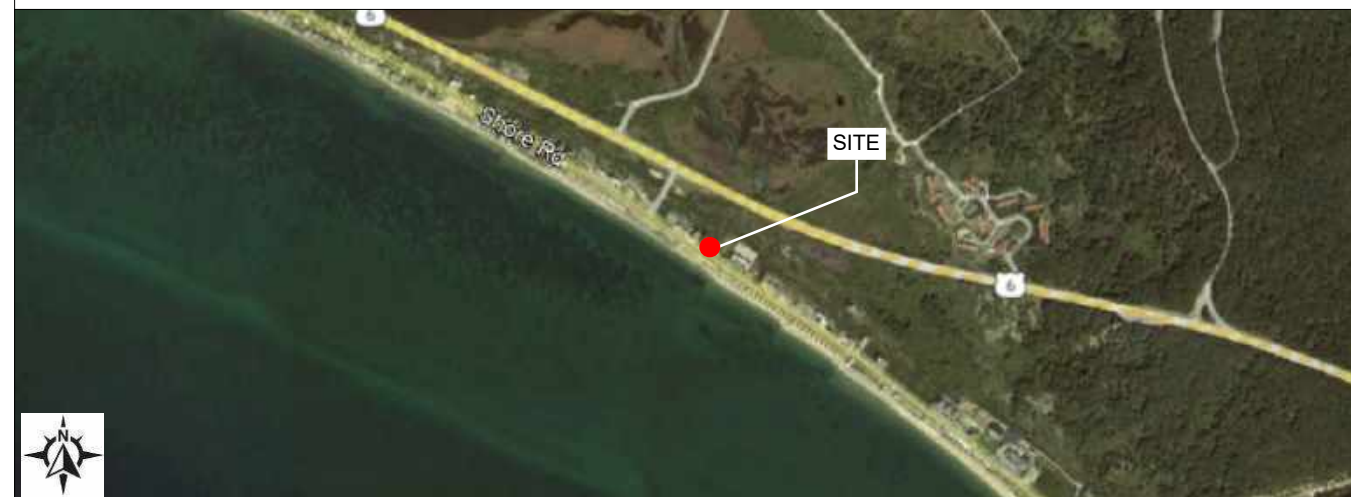
CHECKED BY: D.C.

| REV | DATE | DESCRIPTION |
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SITE INFORMATION

PROPOSED EV SITE ADDRESS: 311 SHORE ROAD, TRURO, MA 02666
 PROPERTY OWNER: TRURO DPW
 EQUIPMENT SUPPLIER: MERRIMAC INDUSTRIAL
 POWER COMPANY: EVERSOURCE ENERGY
 JURISDICTION: BARNSTABLE COUNTY
 LATITUDE: 42° 2'58.87"N
 LONGITUDE: 70° 7'4.58"W
 CONTACT ENGINEER: SEAN TULLY
 EVERSOURCE SUPPLY TRANSFORMER: #9255/317
 EVERSOURCE WO#: TBD

AREA MAP



LOCATION MAP



IMPORTANT SITE NOTES

THE EXISTING CONDITIONS REPRESENTED HEREIN ARE BASED ON VISUAL OBSERVATIONS AND INFORMATION PROVIDED BY OTHERS. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. REPORT ALL CONFLICTS OR DISCREPANCIES PRIOR TO CONSTRUCTION.

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK

SCOPE OF WORK

MAKE READY INSTALLATION FOR ELECTRIC VEHICLE CHARGING STATIONS AND ASSOCIATED SUPPORT EQUIPMENT AT GROUND AND UNDERGROUND LEVEL

APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES: MA STATE BUILDING CODE, 9TH EDITION
 MA STATE PLUMBING CODE
 MA STATE MECHANICAL CODE
 MA ELECTRICAL CODE
 MA FIRE PREVENTION REGULATIONS
 IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL

DRAWING INDEX

| SHEET NO. | SHEET TITLE |
|-----------|----------------------------------|
| T-1 | TITLE SHEET & PROJECT DATA |
| C-1 | AERIAL SITE VIEW |
| C-2 | PROPOSED GROUND LEVEL SITE VIEW |
| C-3 | PROPOSED SITE PLAN |
| C-4 | EVERSOURCE SKETCH |
| D-1 | INSTALLATION DETAILS |
| L-1 | LEGEND AND NOTES |
| E-1 | EV INFRASTRUCTURE RISER DIAGRAMS |
| E-2 | EV INFRASTRUCTURE RISER DIAGRAMS |
| E-3 | ELECTRICAL DETAILS SHEET 1 |
| E-4 | ELECTRICAL DETAILS SHEET 2 |
| E-5 | ELECTRICAL DETAILS SHEET 3 |
| E-6 | ELECTRICAL DETAILS SHEET 4 |
| E-7 | ELECTRICAL DETAILS SHEET 5 |
| GN-1 | GENERAL NOTES |
| GN-2 | GENERAL NOTES |
| GN-3 | GENERAL NOTES |

ARCHITECT/ENGINEER



One Westinghouse Plaza,
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 Massachusetts, 02136

TRURO DPW, 311 SHORE ROAD, TRURO, MA 02666

ELECTRIC VEHICLE CHARGING STATIONS

SHEET TITLE
TITLE SHEET & PROJECT DATA

SHEET NUMBER
T-1

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EV CHARGING STATIONS INSTALLED BY OWNER UNDER SEPERATE CONTRACT



MAVERICK

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EVERSOURCE
ENERGY

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PROJECT NO: 10-19-0005.538

DRAWN BY: T.R.

CHECKED BY: D.C.

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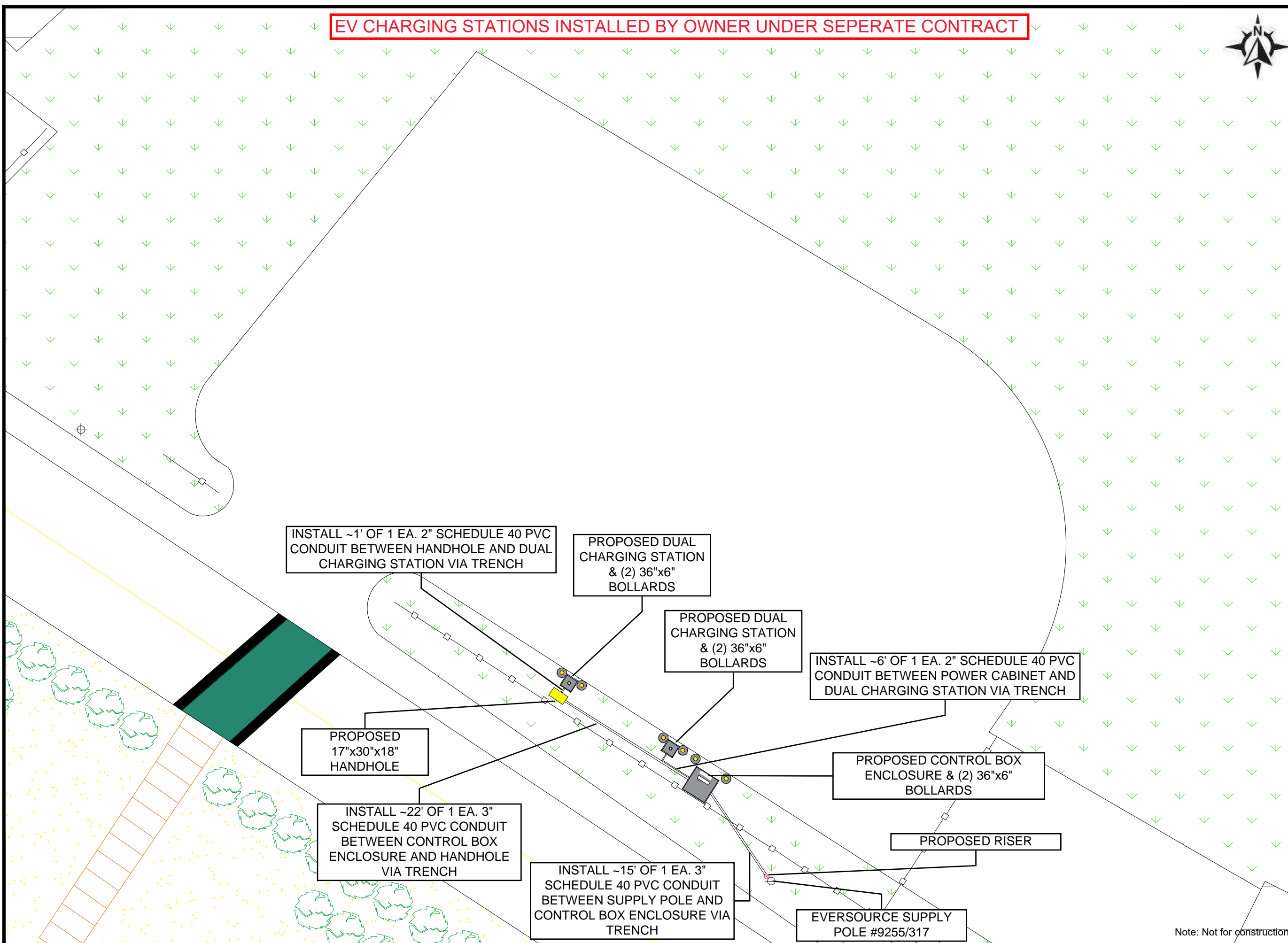
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TRURO DPW, 311
SHORE ROAD, TRURO,
MA 02666

ELECTRIC VEHICLE
CHARGING STATIONS

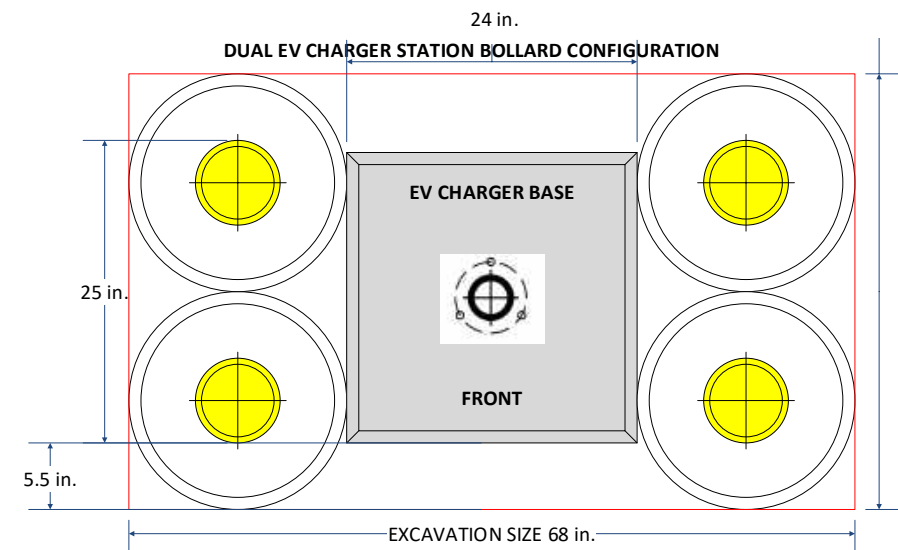
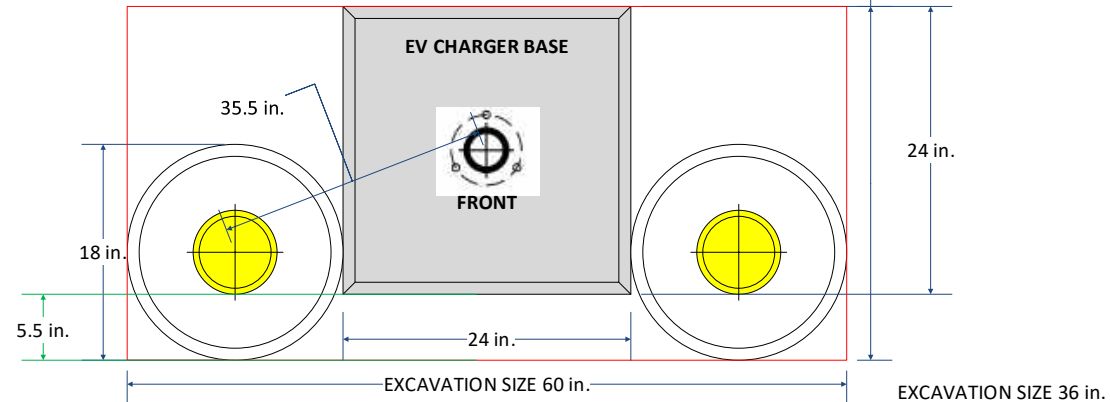
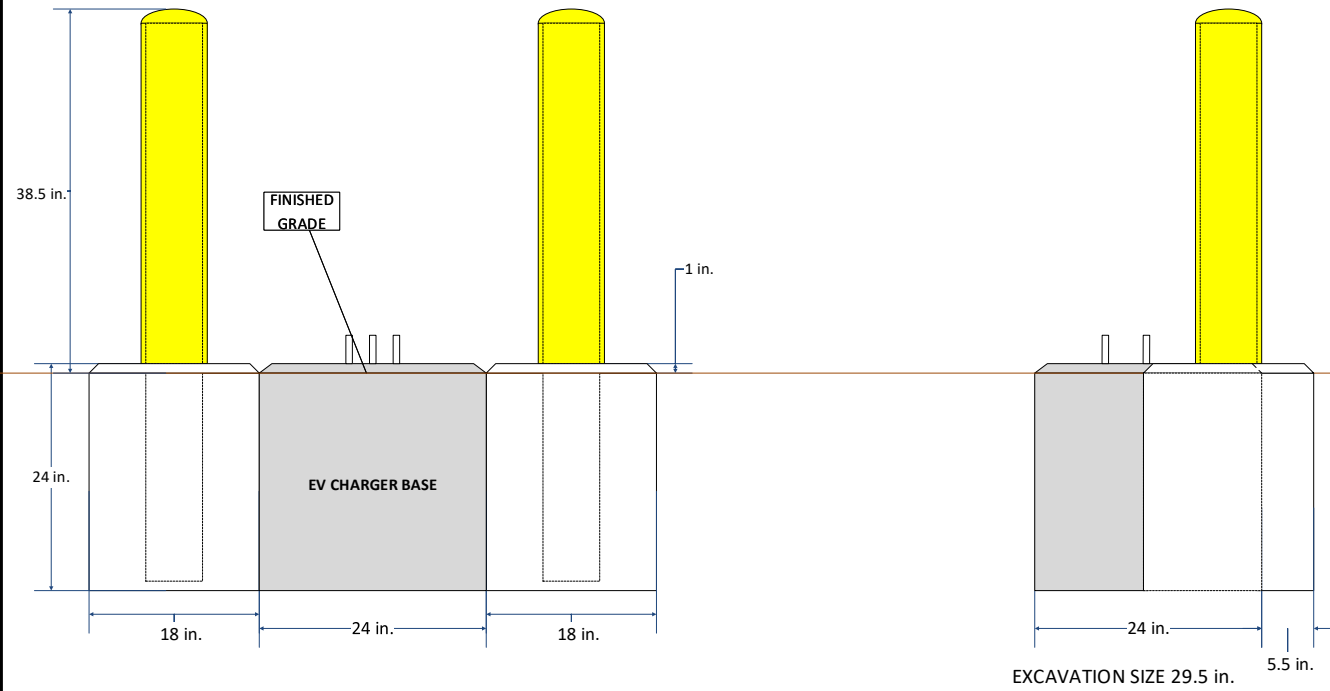
SHEET TITLE
PROPOSED SITE PLAN

SHEET NUMBER
C-3



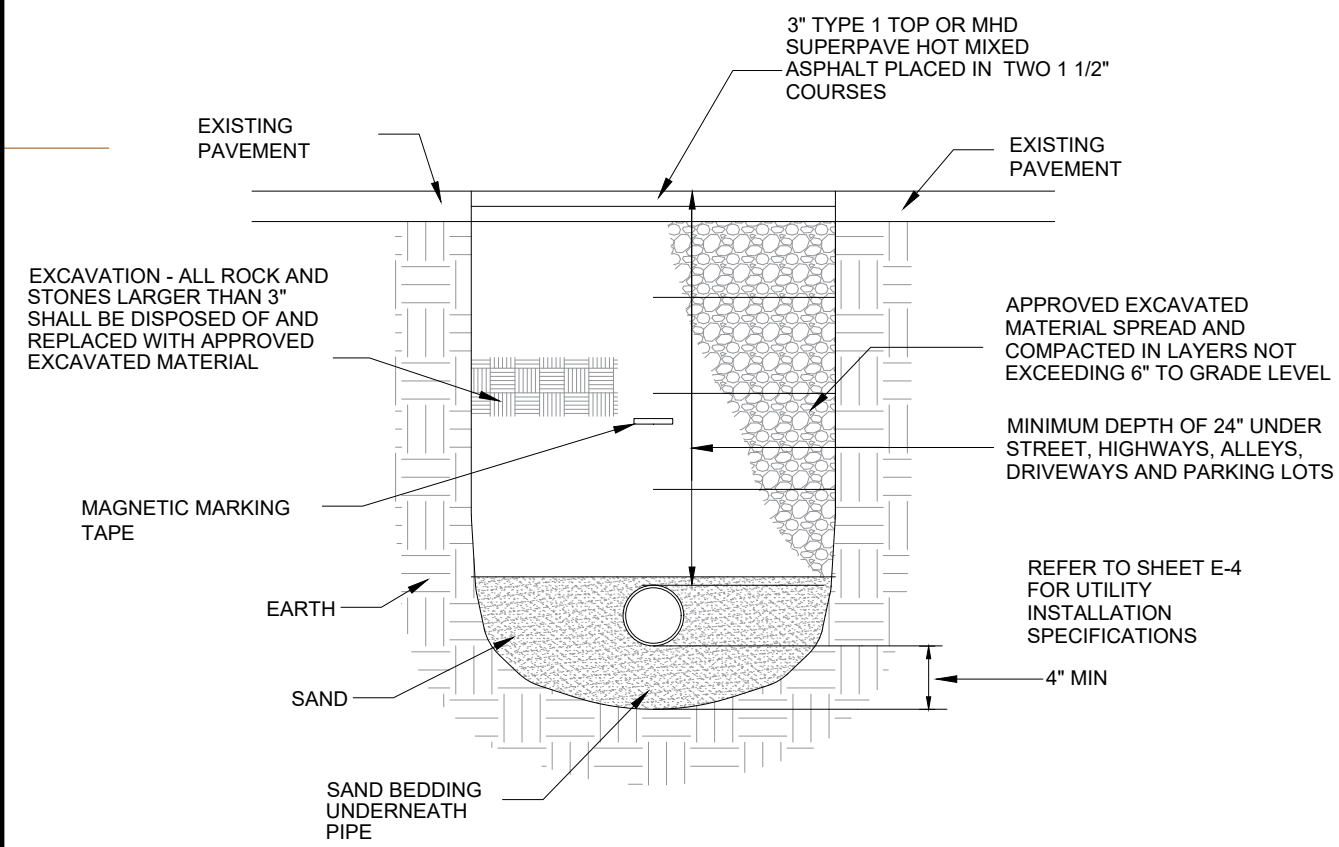
Note: Not for construction

TYPICAL BOLLARD INSTALLATION *SUBJECT TO VARIATIONS DUE TO SITE CONDITIONS



QUADRUPLE EV CHARGER STATION BOLLARD CONFIGURATION

PAVEMENT RESTORATION



1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING AND MAINTAINING RESURFACING AND/OR PLATING FOR ALL EXCAVATIONS IN PAVED STREETS AND SIDEWALKS UNTIL PERMANENT RESURFACING IS COMPLETE.
2. JOINTS BETWEEN NEW BITUMINOUS CONCRETE ROADWAY PAVEMENT AND SAWCUT EXISTING PAVEMENT SHALL BE SEALED WITH BITUMEN AND BACKSANDED.
3. THE CONTRACTOR SHALL REPLACE ALL DISTURBED TRAFFIC SIGNAL LOOP DETECTORS TO GOOD WORKING CONDITION AS REQUIRED BY THE LATEST STANDARDS OF THE MUNICIPAL TRAFFIC DEPARTMENT.
4. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT MARKINGS IN THEIR ENTIRETY THAT HAVE BEEN DAMAGED BY TRENCH EXCAVATION OR OPERATIONS OF THE CONTRACTOR WITH SIMILAR COLOR AND SIZE THERMOPLASTIC MARKINGS.



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| PROJECT NO: | 10-19-0005.538 |
| DRAWN BY: | T.R. |
| CHECKED BY: | D.C. |

| REV | DATE | DESCRIPTION |
|-----|------------|-------------------|
| 0 | 11/11/2022 | ISSUED FOR REVIEW |

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TRURO DPW, 311
SHORE ROAD, TRURO,
MA 02666
ELECTRIC VEHICLE
CHARGING STATIONS

SHEET TITLE
INSTALLATION DETAILS

SHEET NUMBER
D-1

ABBREVIATIONS

| | | | |
|---------|---|-----------------|---|
| A | AMPERE | MFR. | MANUFACTURER |
| AFCI | ARC-FAULT CIRCUIT INTERRUPTOR | MG SET | MOTOR-GENERATOR SET |
| AFF | ABOVE FINISHED FLOOR | MDI | MUSICAL INSTRUMENT DIGITAL INTERFACE |
| AHJ | AUTHORITY HAVING JURISDICTION | MISC | MISCELLANEOUS |
| AK | AMPERE INTERRUPTING CURRENT | MLO | MAIN LUGS ONLY |
| AI | ALUMINUM | MSHA | MINE SAFETY AND HEALTH ADMINISTRATION |
| ANSI | AMERICAN NATIONAL STANDARDS INSTITUTES | MTD | MOUNTED |
| ATS | AUTOMATIC TRANSFER SWITCH | MW | MEGAWATTS |
| AWG | AMERICAN WIRE GAUGE | NC | NORMALLY CLOSED |
| CONDUIT | CONDUIT | NEC | NATIONAL ELECTRICAL CODE |
| CATV | COMMUNITY ANTENNA TELEVISION | NECA | NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION |
| CB | CIRCUIT BREAKER | NEMA | NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION |
| CKT | CIRCUIT | NESCA | NATIONAL ELECTRICAL SAFETY CODE |
| cmil | CIRCULAR MIL | NFPA | NATIONAL FIRE PROTECTION ASSOCIATION |
| CO/ALR | COPPER-ALUMINUM, REVISED | NOT IN CONTRACT | NOT IN CONTRACT |
| COPS | CRITICAL OPERATIONS POWER SYSTEMS | NIU | NETWORK INTERFACE UNIT |
| CSA | CANADIAN STANDARDS ASSOCIATION | NORMALLY OPEN | NORMALLY OPEN |
| Cu | COPPER | NO | NATIONAL (AMERICAN) STANDARD PIPE TAPER |
| DIA | DIAMETER | NPT | NATIONALLY RECOGNIZED TESTING LABORATORIES |
| DCOA | DESIGNATED CRITICAL OPERATIONS AREAS | NRTL | NOT TO SCALE |
| DS | DISCONNECT SWITCH | NTS | NONMETALLIC UNDERGROUND CONDUIT WITH CONDUCTORS |
| EC | ELECTRICAL CONTRACTOR | NUCC | OVERCURRENT PROTECTIVE DEVICE |
| EGC | EQUIPMENT GROUNDING CONDUCTOR | OCPD | OPTICAL NETWORK TERMINAL |
| EM | EMERGENCY | ONT | POLE |
| EMF | ELECTROMOTIVE FORCE | P | PULLBOX OR PUSHBUTTON |
| EMT | ELECTRICAL METALLIC TUBING | PB | POWER CONVERSION SYSTEM |
| ENT | ELECTRICAL NONMETALLIC TUBING | PCS | POWER-CONDITIONING UNIT |
| EPO | EMERGENCY POWER OFF | PE | POLYETHYLENE |
| ESS | ENERGY STORAGE SYSTEM | PF | POWER FACTOR |
| EV | ELECTRICAL VEHICLE | PHEV | PLUG-IN HYBRID ELECTRIC VEHICLE |
| EVPE | ELECTRIC VEHICLE POWER EXPORT EQUIPMENT | PLC | PROGRAMMABLE LOGIC CONTROLLERS |
| EVSE | ELECTRIC VEHICLE SUPPLY EQUIPMENT | PLFA | POWER-LIMITED FIRE ALARM |
| F | FUSE | PNI | PANEL |
| FLA | FULL-LOAD AMPERES | PoE | POWER OVER ETHERNET |
| FMC | FLEXIBLE METAL CONDUIT | PWR | POWER |
| FMT | FLEXIBLE METAL TUBING | RMC | RIGID METAL CONDUIT |
| FT | FEET | RMS | ROOT-MEAN-SQUARE |
| FURN. | FURNISHED | RNC | RIGID NONMETALLIC CONDUIT |
| GC | GENERAL CONTRACTOR | RNM | RIGID NON-METALLIC CONDUIT |
| GEC | GROUNDING ELECTRODE CONDUCTOR | RPM | REVOLUTIONS PER MINUTE |
| GF | GROUND FAULT | RTRC | REINFORCED THERMOSETTING RESIN CONDUIT |
| GFI | GROUND FAULT INTERRUPTER | SCADA | SUPERVISORY CONTROL AND DATA ACQUISITION |
| GFCI | GROUND-FAULT CIRCUIT INTERRUPTER | SCR | SILICON CONTROLLED RECTIFIER |
| GFPE | GROUND-FAULT PROTECTION OF EQUIPMENT | SI | INTERNATIONAL SYSTEM OF UNITS |
| GND | GROUND | SP | SPARE |
| HACR | HEATING, AIR CONDITIONING, AND REFRIGERATION | SPD | SURGE-PROTECTIVE DEVICE |
| HDPE | HIGH DENSITY POLYETHYLENE | SW | SWITCH |
| HGT. | HEIGHT | SWD | SWITCHING DUTY |
| HID | HIGH INTENSITY DISCHARGE | SYM | SYMMETRICAL |
| HOA | HAND, OFF, AUTOMATIC SWITCH | TEFC | TOTALLY ENCLOSED FAN-COOLED |
| hp | HORSEPOWER | TEMP | TEMPERATURE |
| HVAC | HEATING, VENTILATION, AND AIR CONDITIONING | TMCB | THERMAL MAGNETIC CIRCUIT BREAKER |
| Hz | HERTZ (CYCLE PER SECOND) | TR | TAMPER-RESISTANT |
| IAEI | INTERNATIONAL ASSOCIATIONS OF ELECTRICAL INSPECTORS | TVSS | TRANSIENT VOLTAGE SURGE SUPPRESSOR |
| IBT | INTERSYSTEM BONDING TERMINATION | TYP. | TYPICAL |
| IEC | INTERNATIONAL ELECTROTECHNICAL COMMISSION | UL | UNDERWRITERS LABORATORIES |
| IEEE | INSTITUTE OF ELECTRICAL ELECTRONICS ENGINEERS | UPS | UNINTERRUPTIBLE POWER SUPPLY |
| IG | ISOLATED GROUND | USB | UNIVERSAL SERIAL BUS |
| IMC | INTERMEDIATE METAL CONDUIT | V | VOLT |
| IS | INTRINSICALLY SAFE | VA | VOLT-AMPERE |
| ITE | INFORMATION TECHNOLOGY EQUIPMENT | V ac | VOLTS ALTERNATING CURRENT |
| JB | JUNCTION BOX | V ar | VOLT-AMPERE REACTIVE |
| kmil | ONE THOUSAND CIRCULAR MILS | V dc | VOLTS DIRECT CURRENT |
| kVA | KILOVOLT-AMPERES | VFD | VARIABLE FREQUENCY DRIVE |
| kVar | KILOVOLT-AMPERES REACTIVE | VT | VOLTAGE TRANSFORMER |
| kW | KILOWATTS | WOM | VOLT-OHM-MULTIMETER |
| LCDI | LEAKAGE-CURRENT DETECTOR-INTERRUPTER | W | WIRE |
| LED | LIGHT-EMITTING DIODE | W-hr | WATT-HOUR |
| LFMC | LIQUIDTIGHT FLEXIBLE METAL CONDUIT | WPT | WIRELESS POWER TRANSFORMER |
| LFNC | LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT | WTE | WIRELESS POWER TRANSFORMER EQUIPMENT |
| LSW | LOAD INTERRUPTER SWITCH | WR | WEATHER RESISTANT TRANSFORMER |
| LNG | LIQUEFIED NATURAL GAS | XFMR | TRANSFORMER |
| LP-GAS | LIQUEFIED PETROLEUM GAS | Δ | DELTA |
| LRG | LOCKED-ROTOR CURRENT | Y | WYE |
| MC | MECHANICAL CONTRACTOR | φ | PHASE |
| MCB | MAIN CIRCUIT BREAKER | | |
| MDC | MODULAR DATA CENTER | | |

ONE-LINE LEGEND

| | |
|--|--|
| | CIRCUIT BREAKER - MOLDED CASE "AF" DENOTES AMPERE FRAME SIZE "AT" DENOTES AMPERE TRIP SETTINGS |
| | SWITCH AND FUSE "400AS" DENOTES AMPERE SWITCH SIZE "300AF" DENOTES AMPERE FUSE SIZE |
| | PRIMARY DISCONNECT SWITCH (BOLTED PRESSURE TYPE) |
| | AUTOMATIC TRANSFER SWITCH "ATS" |
| | FUSE |
| | POWER TRANSFORMER |
| | WYE |
| | DELTA |
| | CURRENT TRANSFORMERS |
| | GROUND BUS CONNECTION TO EARTH |
| | SYSTEM GROUND OR EQUIPMENT GROUND |
| | METER SOCKET |
| | PRIMARY UTILITY METERING |

LEGEND NOTES

- SUBSCRIPTS ILLUSTRATED ON THE LEGEND WITH ONE SYMBOL ONLY TO MINIMIZE SPACE. ANY SUBSCRIPT INDICATED WITH A LEGEND FAMILY MAY BE APPLIED TO A CORRESPONDING SYMBOL.
- ABBREVIATIONS SUCH AS "WP" MAY BE APPLIED TO ANY SYMBOL.

GENERAL NOTES

- THE SCOPE OF WORK SHALL INCLUDE ALL WORK INDICATED UNLESS OTHERWISE SPECIFICALLY INDICATED AS EXISTING OR WORK BY OTHERS, AND COORDINATION WITH ALL TRADES. SCOPE OF WORK IS INDICATED ON THE CONTRACT DOCUMENTS INCLUDING THE DRAWINGS AND THE SPECIFICATIONS, WHICH ARE COMPLIMENTARY. WORK INDICATED IN ANY CONTRACT DOCUMENT SHALL BE CONSIDERED PART OF THE SCOPE OF WORK, UNLESS SPECIFICALLY INDICATED AS EXISTING OR WORK BY OTHERS. IN GENERAL, WORK REQUIREMENTS ARE NOT INDICATED IN BOTH DOCUMENTS. WHERE DOCUMENTS CONFLICT WITHIN THEMSELVES OR WITH CODES AND REGULATIONS, PROVIDE THE HIGHER QUANTITY AND QUALITY AND FOLLOW THE STRICTER REQUIREMENTS.
- WORK, AT A MINIMUM, SHALL BE IN ACCORDANCE WITH OSHA, NFPA STANDARDS, THE ELECTRIC CODE AND THE LOCAL GOVERNING AUTHORITIES. THE DRAWINGS AND SPECIFICATIONS DO NOT ATTEMPT TO INDICATE ALL WORK REQUIRED BY CODES AND AUTHORITIES. DO NOT INSTALL WORK THAT DOES NOT MEET MINIMUM REQUIREMENTS. IF NECESSARY, REQUEST CLARIFICATION FROM ARCHITECT BEFORE PROCEEDING.
- IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO PROVIDE A WORKING INSTALLATION IN EVERY DETAIL AND ALL ITEMS REQUIRED FOR SUCH AN INSTALLATION SHALL BE PROVIDED WHETHER OR NOT SPECIFICALLY INDICATED OR MENTIONED.
- CONTRACTOR SHALL PAY FOR ALL PERMITS, INSURANCE, AND TESTS, AND SHALL PROVIDE LABOR AND MATERIAL TO COMPLETE THE ELECTRICAL WORK SHOWN.
- TEST ALL EQUIPMENT AND SYSTEMS INSTALLED TO CERTIFY COMPLIANCE WITH DRAWINGS, SPECIFICATIONS, CODES, LOCAL AUTHORITIES AND REGULATIONS. INCLUDE LABOR AND COSTS FOR TESTING, REVIEWS, APPROVALS AND CERTIFICATIONS.
- ALL CUTTING AND PATCHING REQUIRED FOR ELECTRICAL WORK SHALL BE INCLUDED AS PART OF THIS SECTIONS.
WORK SHALL CONFORM TO THE MASSACHUSETTS ELECTRICAL CODE, NATIONAL ELECTRICAL CODE, AND REQUIREMENTS OF LOCAL AUTHORIZES HAVING JURISDICTION.
- BUSWAY AND CONDUIT RUNS AS SHOWN ON THE PLANS ARE DIAGRAMMATIC ONLY; EXACT LOCATION AND METHOD OF SUPPORT SHALL BE DETERMINED IN THE FIELD.
- WHERE CONNECTIONS ARE MADE IN EXISTING PANELS, THE PANEL INDEX SHALL BE REVISED TO INDICATE THE NEW LOADS SERVED. NEW CIRCUIT BREAKERS ADDED TO EXISTING PANELS SHALL BE THE SAME FRAME, VOLTAGE RATING AND INTERRUPTING CAPACITY AS EXISTING PANEL AND CIRCUIT BREAKERS.
- ELECTRICAL SHUTDOWNS SHALL BE AT A TIME AND DATE APPROVED BY THE OWNER.

WIRING DEVICES LEGEND

| | |
|--|---|
| | 125 VOLT, 2 POLE, 3 WIRE, 20 AMP., DUPLEX RECEPTACLE. |
|--|---|

GROUNDING LEGEND

| | |
|--|-----------------------------------|
| | GROUND ROD - 3/4"x10' COPPER CLAD |
|--|-----------------------------------|

EXISTING EQUIPMENT LEGEND

| | |
|-------|--|
| XM | EXISTING DEVICE TO BE MAINTAINED |
| X | EXISTING DEVICE TO BE REMOVED AND CIRCUIT PULLED BACK TO POINT OF ORIGIN. |
| XR | EXISTING DEVICE TO BE RELOCATED |
| XN | NEW LOCATION OF EXISTING DEVICE. EXTEND BRANCH/FEEDER CIRCUIT TO NEW LOCATION. |
| XRP | EXISTING DEVICE AND COVER TO BE REMOVED AND REPLACED WITH NEW. MAINTAIN BACK BOX AND CIRCUIT. |
| XD | EXISTING DEVICE AND COVER TO BE REMOVED AND REPLACED WITH NEW. MAINTAIN BACK BOX AND PROVIDE A NEW CIRCUIT AS INDICATED. |
| XW | EXISTING TO BE REWORKED |
| X--- | BOLD-DASHED LINEWEIGHT INDICATES TO BE REMOVED |
| XM--- | LIGHT DUTY OF FUNCTION LINEWEIGHT INDICATES TO REMAIN AS IS |
| --- | BOLD LINEWEIGHT INDICATES NEW OR AFFECTED WORK |

SITE PLAN LEGEND

| | |
|----|--|
| UG | DUCTBANK "UG" INDICATES UNDERGROUND |
| MH | ELECTRIC UTILITY MANHOLE "U" DENOTES UTILITY, "15KV" DENOTES 15KV CAMPUS LOOP "T" DENOTES TELECOMMUNICATION |
| HH | HANDHOLE |

WIRING NOTES

- WIRING IS INDICATED ON DRAWINGS ONLY FOR SPECIFIC ROUTES OR SPECIAL CONDITIONS.
- FEEDERS SHALL BE IN INDEPENDENT RACEWAYS AND BOXES, UNLESS OTHERWISE INDICATED.

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EVERSOURCE
ENERGY

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PROJECT NO: 10-19-0005.538

DRAWN BY: T.R.

CHECKED BY: D.C.

| REV | DATE | DESCRIPTION |
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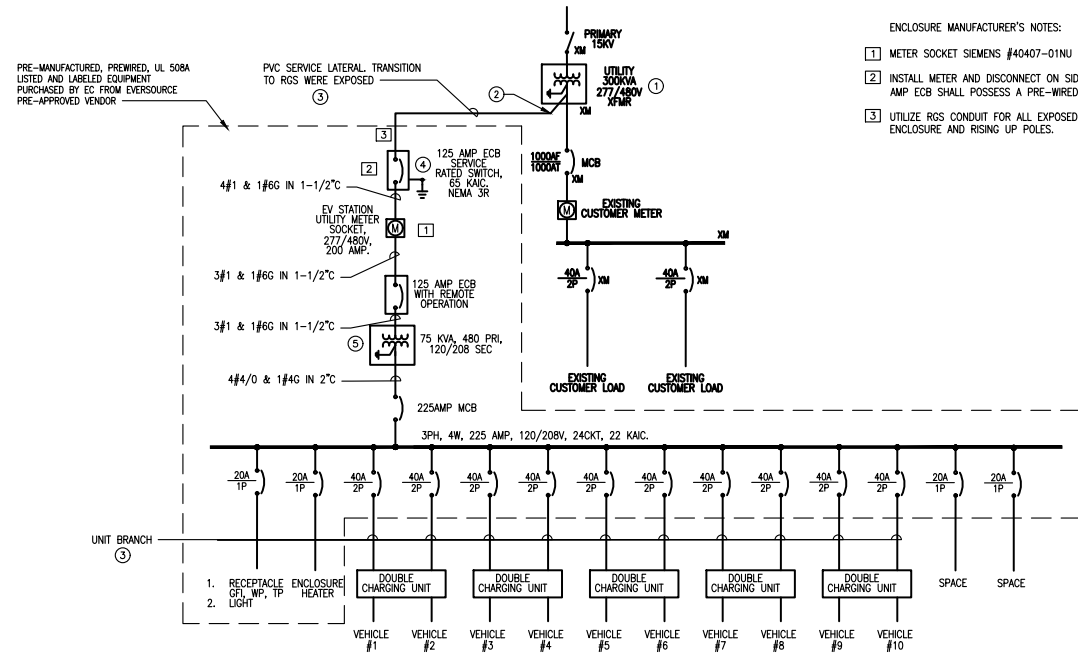
ELECTRIC VEHICLE
CHARGING STATIONS

SHEET TITLE

LEGEND & NOTES

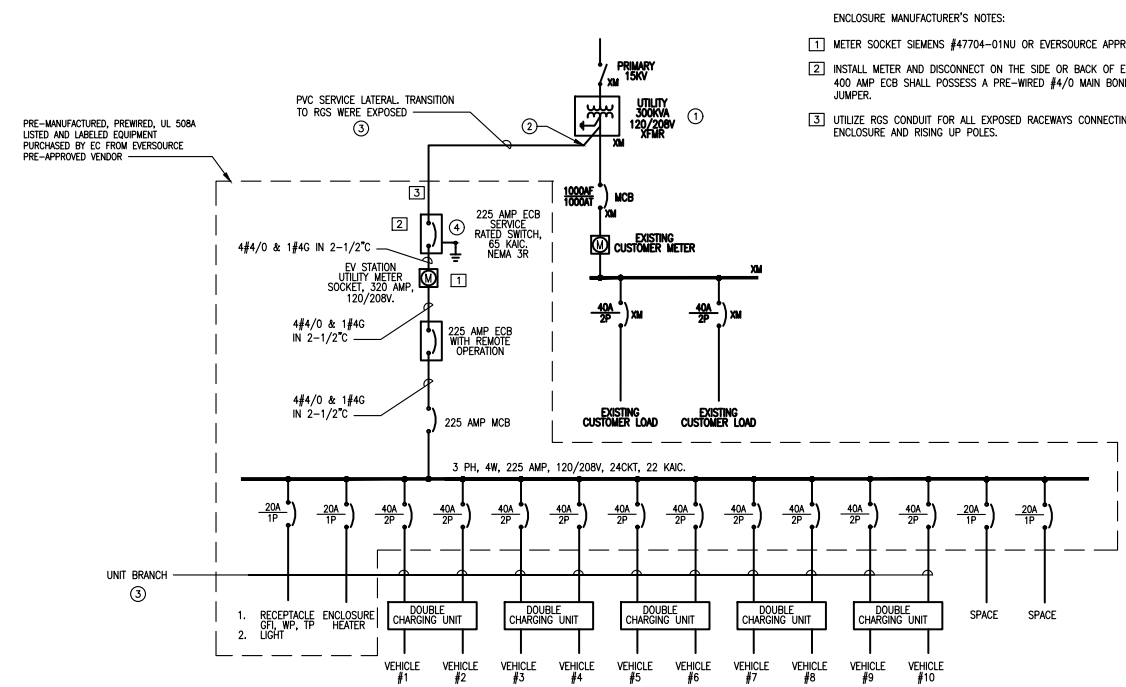
SHEET NUMBER

L-1



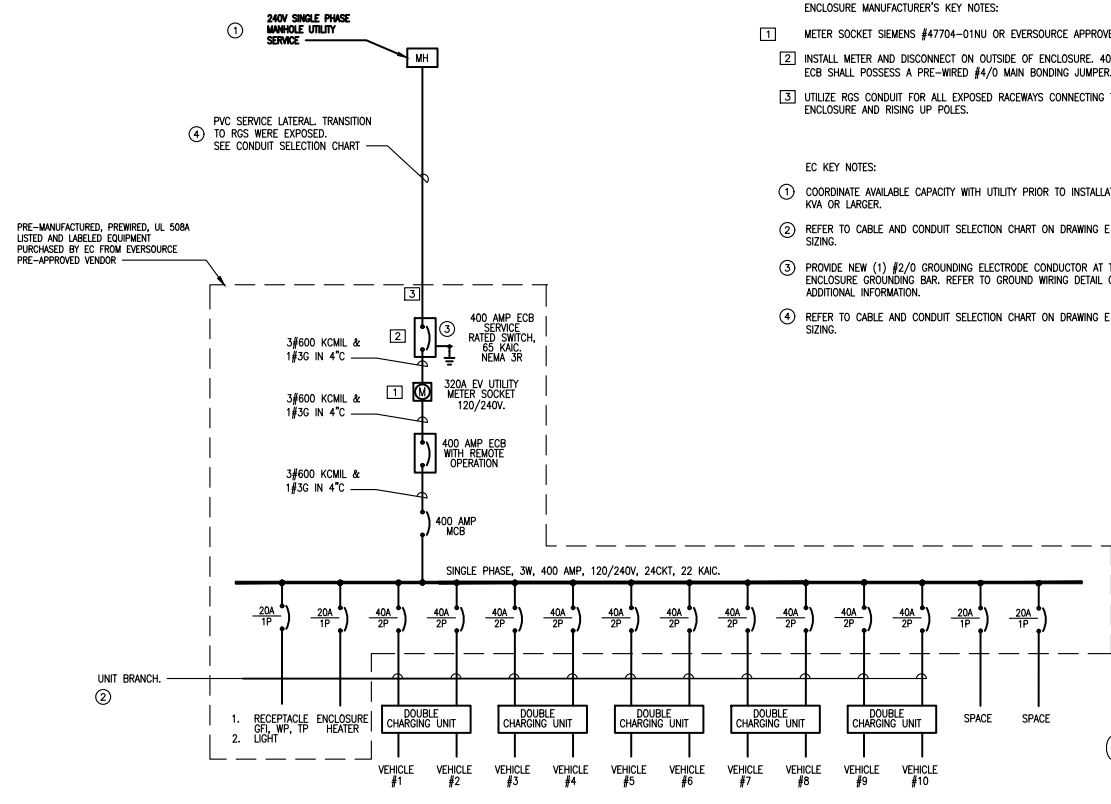
- EC KEY NOTES:
- 1500 KVA TRANSFORMER MAXIMUM FOR STANDARD ENCLOSURE UNIT.
 - FURNISH AND INSTALL 90 DEGREES RGS SWEEP AND BONDING BUSHING AT TRANSFORMER. TERMINATION OF CABLE ON TRANSFORMER SHALL BE PERFORMED BY EVERSOURCE.
 - REFER TO CABLE AND CONDUIT SELECTION CHART ON DRAWING E101 FOR CONDUIT AND WIRE SIZING.
 - PROVIDE NEW (1) #4 GROUNDING ELECTRODE CONDUCTOR AT THIS LOCATION. CONNECT TO NEW ENCLOSURE GROUNDING BAR. REFER TO GROUND WIRING DETAIL ON DRAWING E200 FOR ADDITIONAL INFORMATION.
 - PROVIDE NEW (1) #2 GROUNDING ELECTRODE CONDUCTOR AT THIS LOCATION. CONNECT TO ENCLOSURE GROUNDING BAR. REFER TO GROUND WIRING DETAIL ON DRAWING E200 FOR ADDITIONAL INFORMATION.

OPTION 4
10 VEHICLES WITH THE USE OF A 75KVA STEP DOWN PAD MOUNTED TRANSFORMER.



- EC KEY NOTES:
- 500 KVA TRANSFORMER MAXIMUM FOR STANDARD ENCLOSURE UNIT.
 - FURNISH AND INSTALL 90 DEGREES RGS SWEEP AND BONDING BUSHING AT TRANSFORMER. TERMINATION OF CABLE ON TRANSFORMER SHALL BE PERFORMED BY EVERSOURCE.
 - REFER TO CABLE AND CONDUIT SELECTION CHART ON DRAWING E101 FOR CONDUIT AND WIRE SIZING.
 - PROVIDE NEW (1) #2 GROUNDING ELECTRODE CONDUCTOR AT THIS LOCATION. CONNECT TO ENCLOSURE GROUNDING BAR. REFER TO GROUND WIRING DETAIL ON DRAWING E200 FOR ADDITIONAL INFORMATION.

OPTION 5
10 VEHICLES, NO TRANSFORMER REQUIRED.



PRE-MANUFACTURED, PREWIRED, UL 508A LISTED AND LABELED EQUIPMENT PURCHASED BY EC FROM EVERSOURCE PRE-APPROVED VENDOR

- EC KEY NOTES:
- COORDINATE AVAILABLE CAPACITY WITH UTILITY PRIOR TO INSTALLATION ON ALL SOURCE 500 KVA OR LARGER.
 - REFER TO CABLE AND CONDUIT SELECTION CHART ON DRAWING E101 FOR CONDUIT AND WIRE SIZING.
 - PROVIDE NEW (1) #2/0 GROUNDING ELECTRODE CONDUCTOR AT THIS LOCATION. CONNECT TO ENCLOSURE GROUNDING BAR. REFER TO GROUND WIRING DETAIL ON DRAWING E200 FOR ADDITIONAL INFORMATION.
 - REFER TO CABLE AND CONDUIT SELECTION CHART ON DRAWING E101 FOR CONDUIT AND WIRE SIZING.

OPTION 6
10 VEHICLES, SINGLE PHASE, NO TRANSFORMER REQUIRED.

| OPTION | NUMBER OF VEHICLES | FLA/VOLT/PH | 100 FT | 200 FT | 300 FT |
|-------------|--------------------|-------------|-----------------------------|-------------------------------|--------------------------------|
| | | | WIRE SIZE | WIRE SIZE | WIRE SIZE |
| 1 | 5 VEHICLE | 54/480/3 | 4#4 & 1#4GND IN 3" C | 4#4 & 1#4GND IN 3" C | 4#4 & 1#4GND IN 3" C |
| 2 | 5 VEHICLE | 104/208/3 | 4#1/0 & 1#4GND IN 3" C | 4#2/0 & 1#4GND IN 3" C | 4#4/0 & 1#4GND IN 3" C |
| 3 | 5 VEHICLE | 155/240/1 | 3#4/0 & 1#4GND IN 3" C | 3#4/0 & 1#4GND IN 3" C | 3#250KCMIL & 1#4GND IN 3" C |
| 4 | 10 VEHICLE | 90/480/3 | 4#1/0 & 1#4GND IN 3" C | 4#1/0 & 1#4GND IN 3" C | 4#2/0 & 1#4GND IN 3" C |
| 5 | 10 VEHICLE | 208/208/3 | 4#4/0 & 1#4GND IN 3" C | 4#500KCMIL & 1#4GND IN 4" C | (2)4#1/0 & 1#4GND IN 4" C |
| 6 | 10 VEHICLE | 330/240/1 | 3#600KCMIL & 1#4GND IN 4" C | (2)3#4/0 & 1#4GND IN 2-1/2" C | (2)3#250KCMIL & 1#4GND IN 3" C |
| ALL OPTIONS | 1 BRANCH CIRCUIT | 36/208/1 | 2#6 & 1#6GND IN 2" C | 2#4 & 1#6GND IN 2" C | 2#2 & 1#6GND IN 2" C |

NOTES:
 1. ALL UNDERGROUND WIRING SHALL BE XHHW-2 COPPER WIRE.
 2. ABOVE GROUND WIRING SHALL BE THHNW-2 COPPER WIRE.
 3. PROVIDE RGS CONDUIT WHEN CABLE RUN IS EXPOSED TO MECHANICAL DAMAGE. PROVIDE EXPANSION FITTINGS AS REQUIRED

| EQUIPMENT | MANUFACTURER OPTION 1 | MANUFACTURER OPTION 2 |
|--------------------------------------|-----------------------|-----------------------|
| COLD SEQUENCE METER MAIN | KINNEY ELECTRIC | ERICKSON ELECTRIC |
| IRON CONDUIT BODY | OZ GEDNEY | CROUSE HINDS |
| MALLEABLE CONDUIT STRAP AND FITTINGS | APLETON | GARVIN |
| RGS CONDUIT | ALLIED PIPE | REPUBLIC |
| PVC CONDUIT | CARLON PRODUCTS | NATIONAL PIPE |
| CONCRETE POLYMER HANDHOLE | MACLEAN | ARMOCAST |
| CABLE: XHHW-2 | SOUTHWIRE | ALLIED |
| CABLE: THHNW-2 | SOUTHWIRE | ALLIED |

NOTES:
 1. APPROVED EQUAL EQUIPMENTS WILL BE CONSIDERED FOR ALL COMPONENTS.

DATE: _____

DESCRIPTION: _____

REV: _____

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 www.cmta.com

LEVEL 2 EV INFRASTRUCTURE RISER DIAGRAMS

CLIENT: EVERSOURCE EV MAKE READY
 PROJECT: 2020 LEVEL 2 EV MODIFICATIONS

| REV | DATE | DESCRIPTION |
|-----|------------|-------------------|
| 0 | 11/11/2022 | ISSUED FOR REVIEW |

OWNER REVIEW
 SCALE: AS NOTED
 DATE: TBD
 DRAWN BY: YE
 REVIEWED BY: MOB
 JOB NUMBER: BEEV19C
 DRAWING NO: **E1.01**

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PROJECT NO: 10-19-0005.538
 DRAWN BY: T.R.
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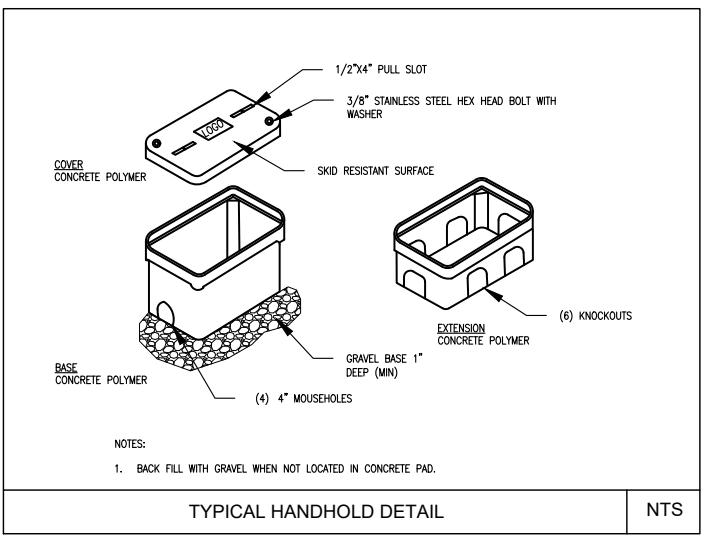
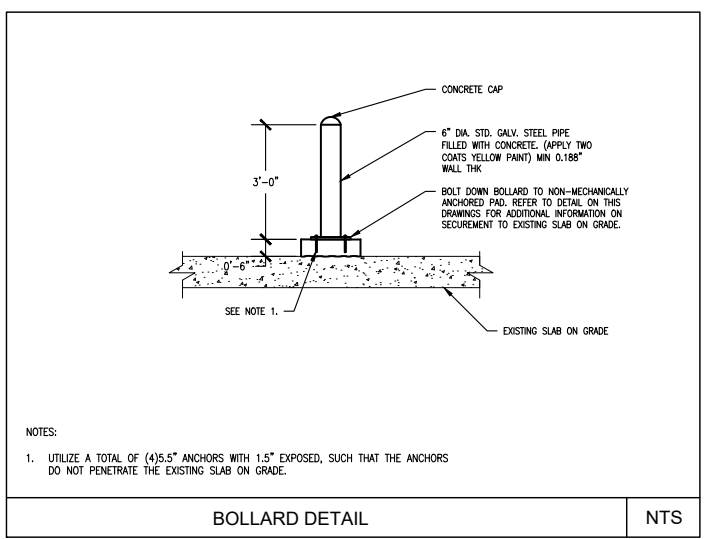
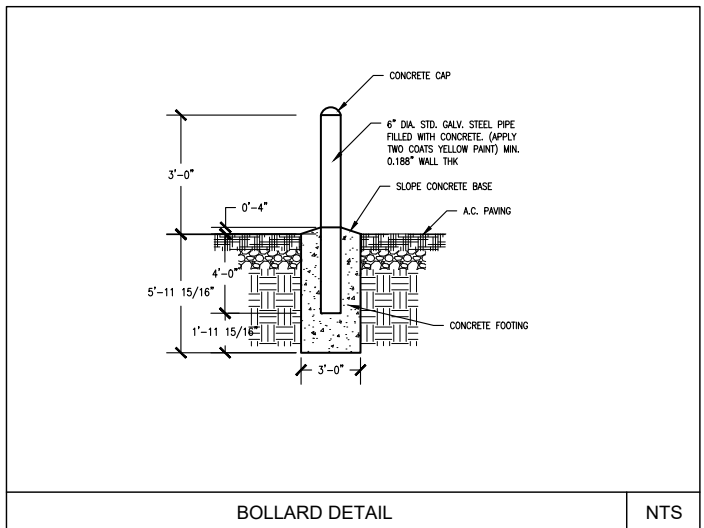
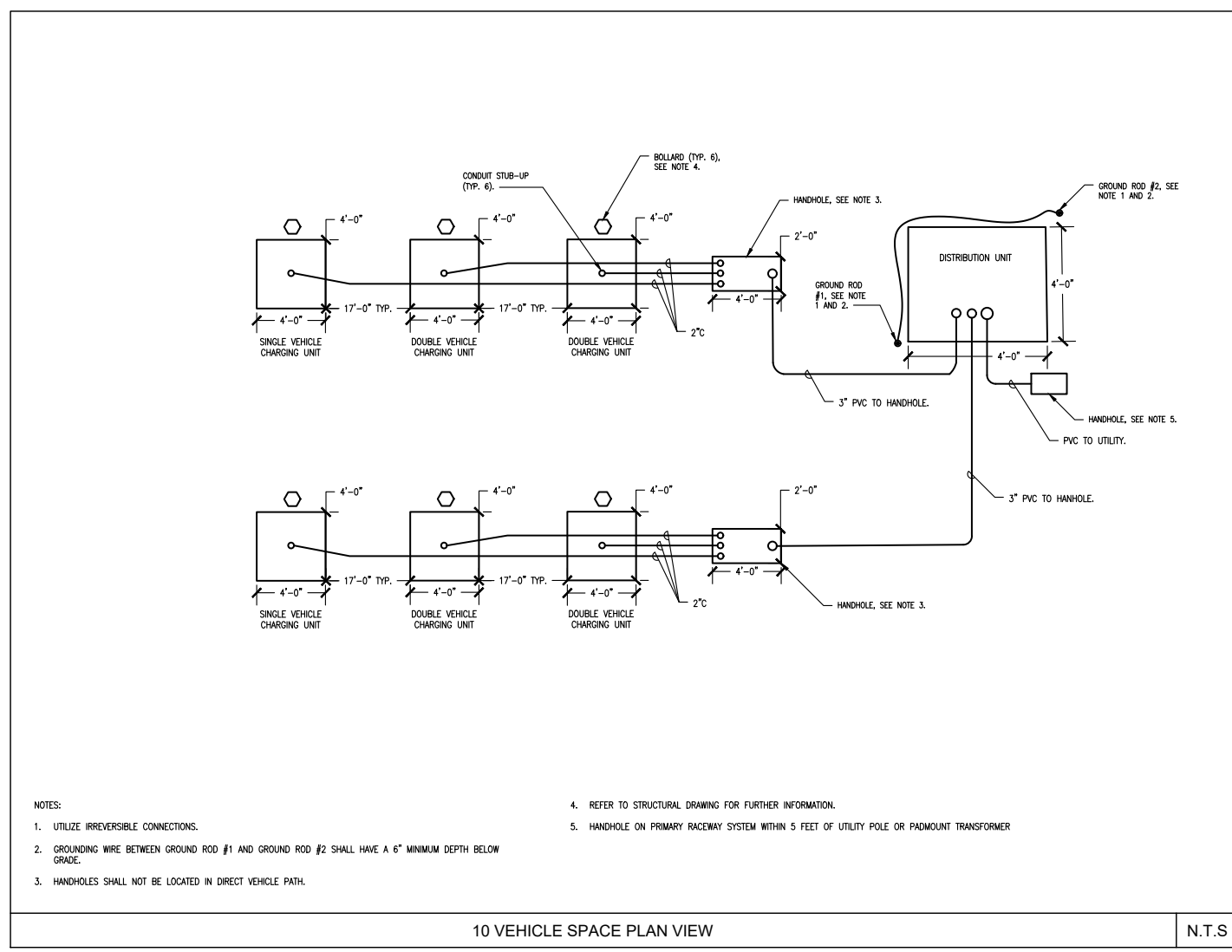
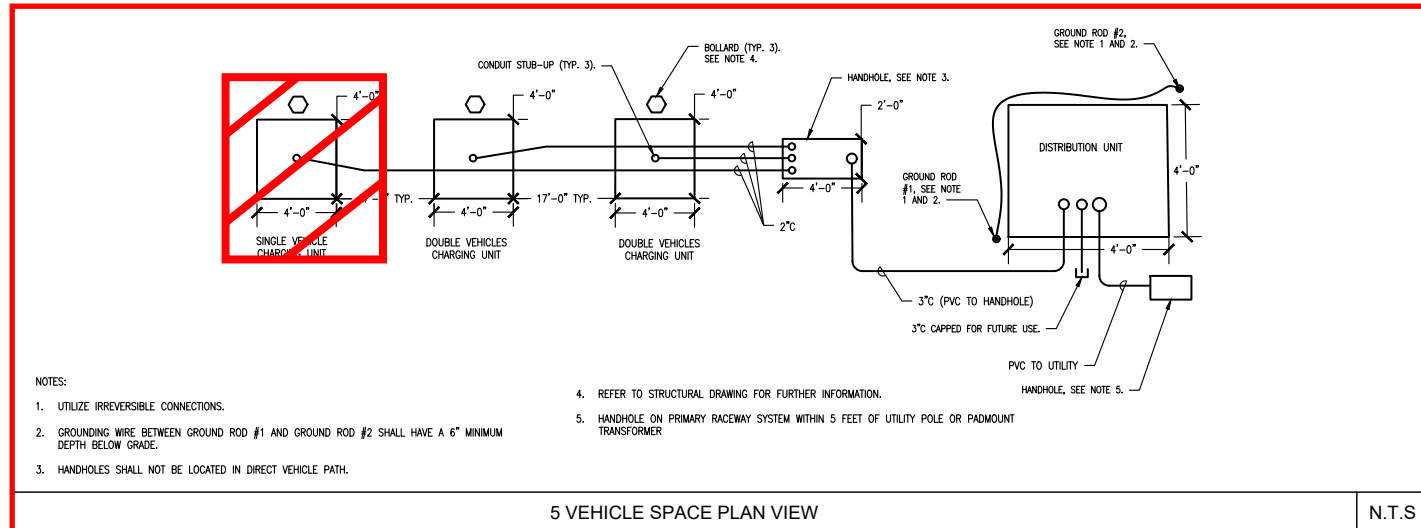
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ELECTRIC VEHICLE CHARGING STATIONS

SHEET TITLE
EV INFRASTRUCTURE RISER DIAGRAMS

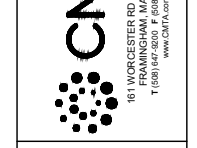
SHEET NUMBER
E-2



1" = 1'-0"

EACH BLOCK REPRESENTS ONE FOOT IN THE SCALE INDICATED

| DATE | DESCRIPTION | REV. |
|------|-------------|------|
| | | |
| | | |



EV INFRASTRUCTURE ELECTRICAL DETAILS, SHEET 1

CLIENT: EVERSOURCE EV MAKE READY

PROJECT: 2020 LEVEL 2 EV MODIFICATIONS

OWNER REVIEW

SCALE: AS NOTED

DATE: TBD

DRAWN BY: YE

REVIEWED BY: MOB

JOB NUMBER: BEEV19C

DRAWING NO. E2.01

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TRURO DPW, 311 SHORE ROAD, TRURO, MA 02666

ELECTRIC VEHICLE CHARGING STATIONS

SHEET TITLE

ELECTRICAL DETAILS SHEET 1

SHEET NUMBER

E-3



EV INFRASTRUCTURE
ELECTRICAL DETAILS,
SHEET 2

| 0 | 11/11/2022 | ISSUED FOR REVIEW |
|-----|------------|-------------------|
| REV | DATE | DESCRIPTION |

CLIENT: EVERSOURCE
EV MAKE READY
PROJECT: 2020 LEVEL 2 EV MODIFICATIONS

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ELECTRIC VEHICLE
CHARGING STATIONS

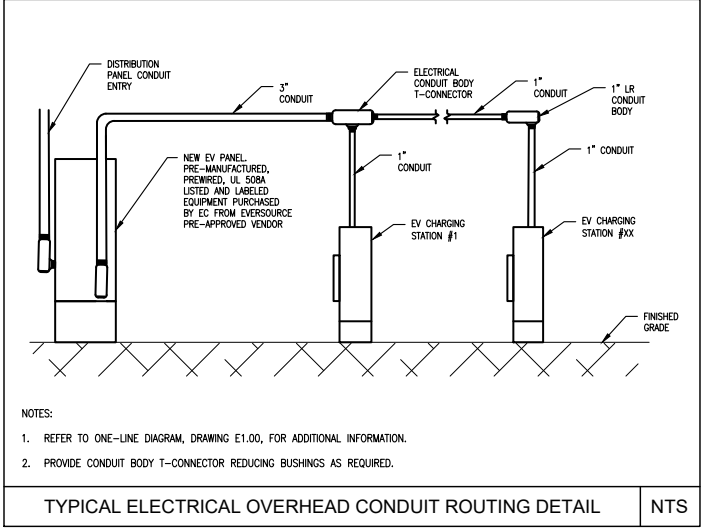
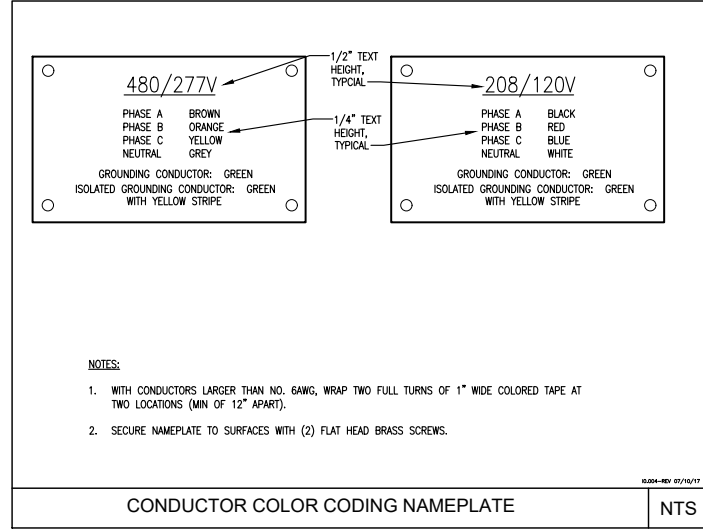
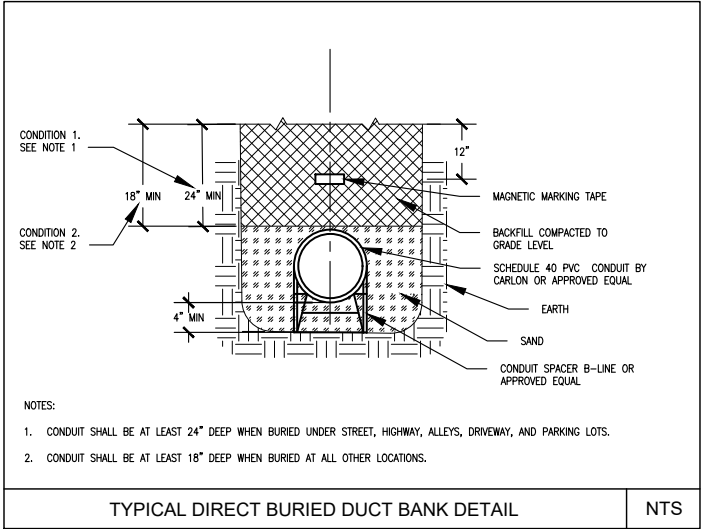
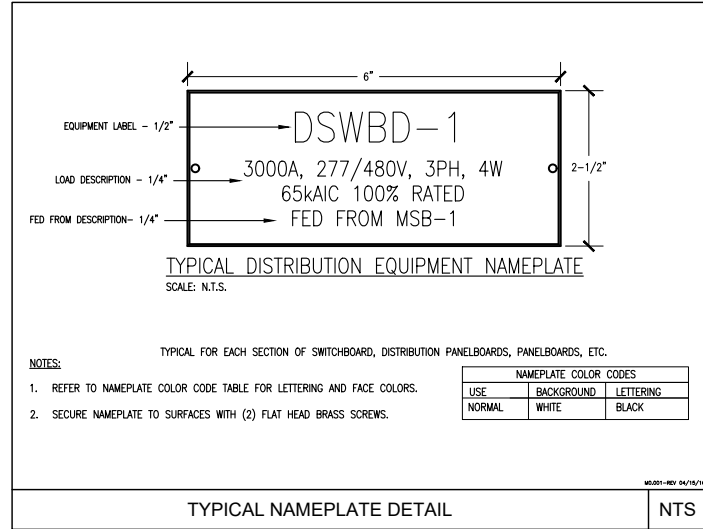
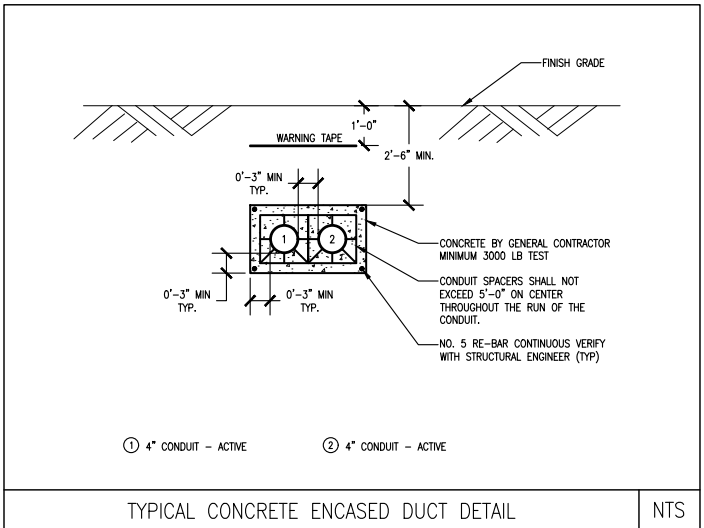
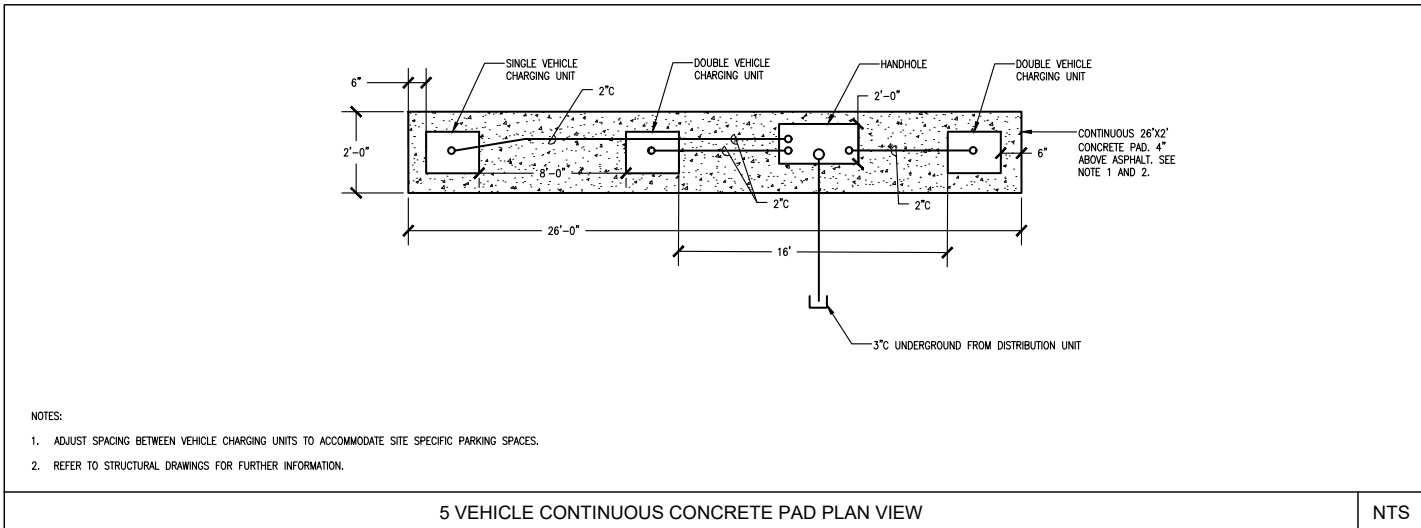
SHEET TITLE
ELECTRICAL DETAILS
SHEET 2

SHEET NUMBER

E-4

SCALE: 1" = 1'-0"
EACH BLOCK REPRESENTS ONE FOOT IN THE SCALE INDICATED

| DATE | DESCRIPTION | REV. |
|------|-------------|------|
| | | |



OWNER REVIEW

| | |
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| SCALE: | AS NOTED |
| DATE: | TBD |
| DRAWN BY: | YE |
| REVIEWED BY: | MOB |
| JOB NUMBER: | BEEV19C |
| DRAWING NO. | E2.02 |



EV INFRASTRUCTURE ELECTRICAL DETAILS, SHEET 4

| REV | DATE | DESCRIPTION |
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| 0 | 11/11/2022 | ISSUED FOR REVIEW |

TITLE: EV INFRASTRUCTURE ELECTRICAL DETAILS, SHEET 4
CLIENT: EVERSOURCE EV MAKE READY
PROJECT: 2020 LEVEL 2 EV MODIFICATIONS

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TRURO DPW, 311 SHORE ROAD, TRURO, MA 02666

ELECTRIC VEHICLE CHARGING STATIONS

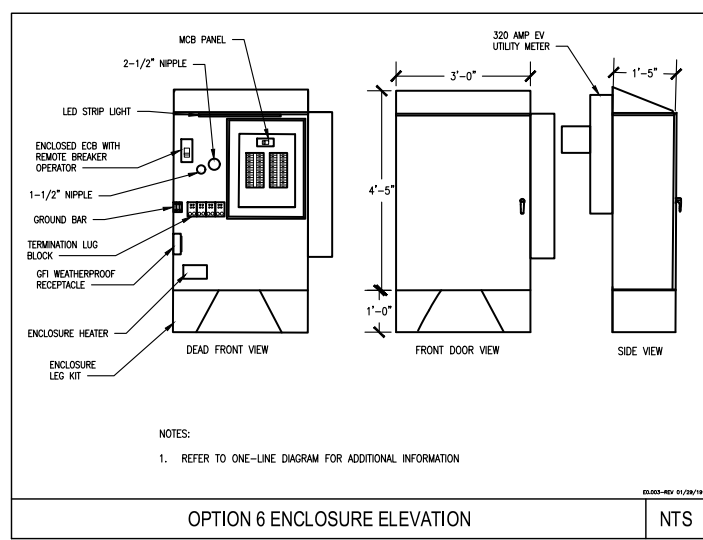
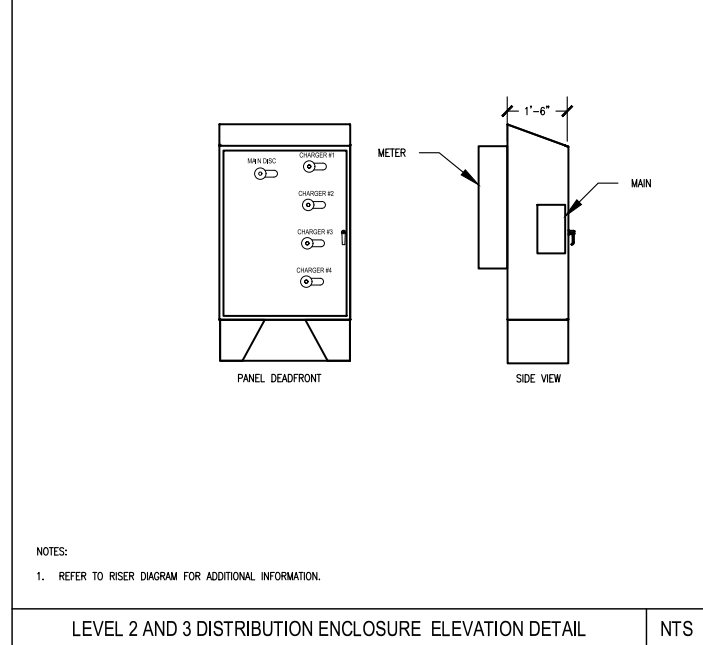
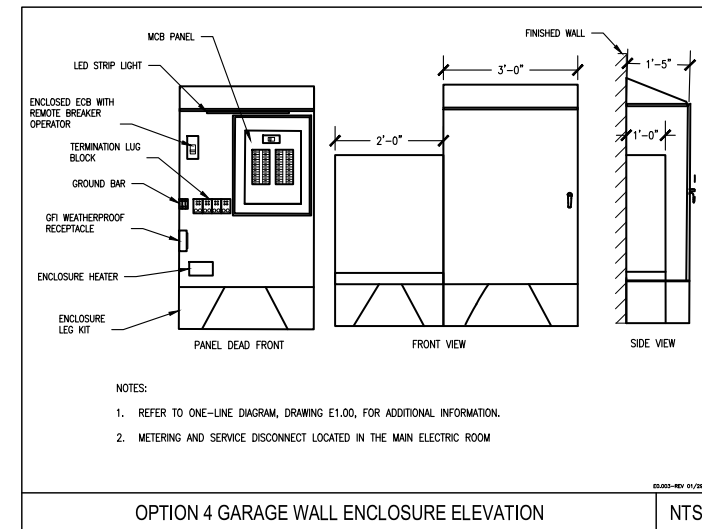
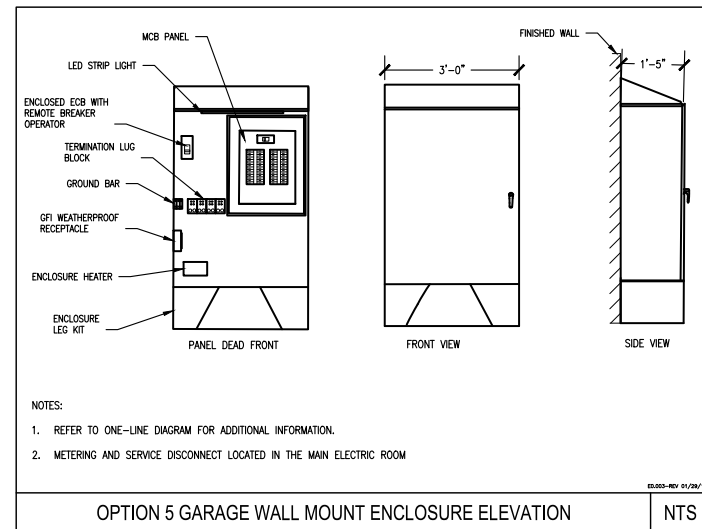
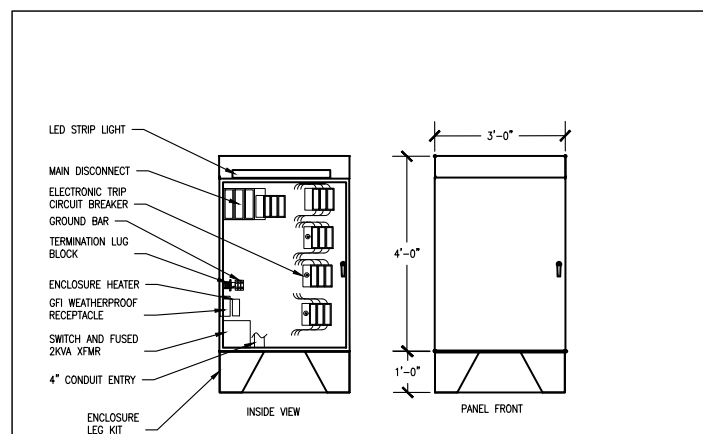
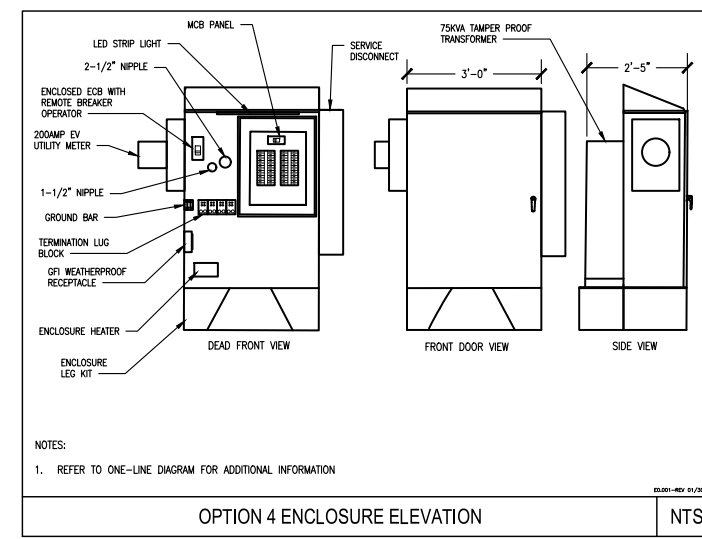
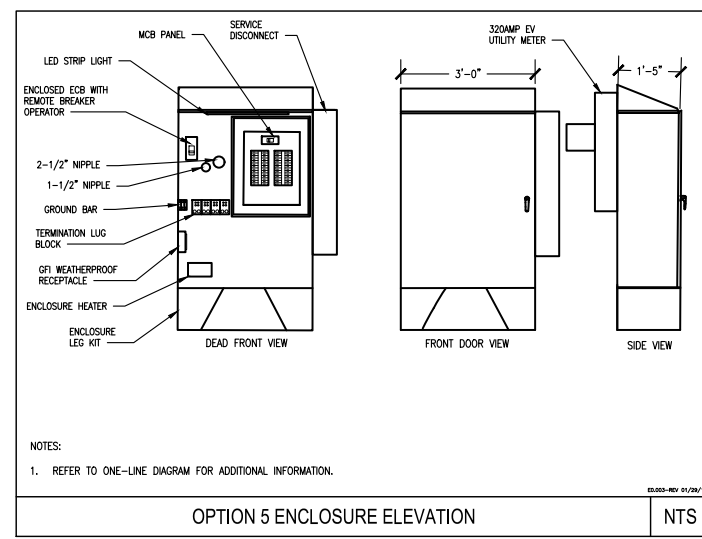
SHEET TITLE
ELECTRICAL DETAILS SHEET 4

SHEET NUMBER

E-6

1" = 1'-0"
EACH BLOCK REPRESENTS ONE FOOT IN THE SCALE INDICATED

| DATE | DESCRIPTION | REV. |
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OWNER REVIEW
SCALE: AS NOTED
DATE: TBD
DRAWN BY: YE
REVIEWED BY: MOB
JOB NUMBER: BEEV19C
DRAWING NO.

E2.04

GENERAL CONSTRUCTION NOTES:

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL BUILDING CODE, THE LATEST ADOPTED EDITION AND ALL OTHER APPLICABLE CODES AND ORDINANCES.
2. CONTRACTOR SHALL CONSTRUCT SITE IN ACCORDANCE WITH THESE DRAWINGS AND LATEST EVERSOURCE CONSTRUCTION STANDARDS. THE SPECIFICATION IS THE RULING DOCUMENT AND ANY DISCREPANCIES BETWEEN THE SPECIFICATION AND THE CONSTRUCTION DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER OR EVERSOURCE CM PRIOR TO THE COMMENCEMENT OF WORK.
3. CONTRACTOR SHALL VISIT THE JOB SITE AND SHALL FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PROVISIONS AS TO THE COST THEREOF. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED, AS SHOWN, PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER OR EVERSOURCE CM PRIOR TO THE COMMENCEMENT OF WORK. NO COMPENSATION WILL BE AWARDED BASED ON CLAIM OF LACK OF KNOWLEDGE OF FIELD CONDITIONS.
4. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. CONTRACTOR IS REQUIRED TO FURNISH AND INSTALL ANY/ALL ITEMS FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM SUBJECT ONLY TO OWNER-SUPPLIED ITEMS. CONTRACTOR SHALL PROVIDE ANY/ALL REQUIREMENTS FOR THE EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
5. PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT AND APPURTENANCE, AND LABOR NECESSARY TO EFFECT ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
6. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENTS IS REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS. SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS AND/OR DESIGN INTENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING ANY DISCREPANCIES TO THE ATTENTION TO THE EVERSOURCE CM, IN WRITING, PRIOR TO THE COMMENCEMENT OF WORK.
7. DETAILS PROVIDED ARE FOR THE PURPOSE OF SHOWING DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR SITE CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.
8. CONTRACTOR SHALL PAY FOR APPLICABLE PERMITS, FEES, INSPECTIONS AND TESTING. CONTRACTOR IS TO OBTAIN PERMITS AND APPROVED SUBMITTALS PRIOR TO ORDERING MATERIALS AND THE COMMENCEMENT OF WORK.
9. THE TERM "PROVIDE" USED IN CONSTRUCTION DOCUMENTS AND SPECIFICATIONS, INDICATES THAT THE CONTRACTOR SHALL FURNISH AND INSTALL.
10. CONTRACTOR SHALL RECEIVE CLARIFICATION IN WRITING, AND SHALL RECEIVE IN WRITING AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEMS NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.
11. CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK USING ACCEPTED INDUSTRY-STANDARD SKILL AND ATTENTION. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER CONTRACT, UNLESS OTHERWISE NOTED.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE WORK AREA AND BUILDING ADJACENT AREAS OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT, WORK SHALL CONFORM TO ALL OSHA REQUIREMENTS.
13. CONTRACTOR SHALL COORDINATE THEIR WORK WITH THE EVERSOURCE CM AND SCHEDULE THEIR ACTIVITIES AND WORKING HOURS IN ACCORDANCE WITH THE REQUIREMENTS.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THEIR WORK WITH THE WORK OF OTHERS AS IT MAY RELATE TO ALL PORTIONS OF THE WORK.
15. CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS UNLESS SPECIFICALLY OTHERWISE INDICATED OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
16. CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING SURFACES, EQUIPMENT, IMPROVEMENTS, PIPING ETC. AND IMMEDIATE REPAIR, TO NEW CONDITION, ANY DAMAGE THAT OCCURS DURING CONSTRUCTION AT THE SOLE COST OF THE CONTRACTOR.
17. IN DRILLING HOLES, OR CORING, INTO CONCRETE WHETHER FOR FASTENING OR ANCHORING PURPOSES, OR PENETRATIONS THROUGH THE FLOOR FOR CONDUIT RUNS, PIPE RUNS ETC. MUST BE CLEARLY UNDERSTOOD THAT REINFORCING STEEL SHALL NOT BE DRILLED INTO, CUT OR DAMAGED UNDER ANY CIRCUMSTANCES (UNLESS NOTED OTHERWISE). LOCATIONS OF REINFORCING STEELS ARE NOT DEFINITELY KNOWN AND THEREFORE MUST BE LOCATED BY THE CONTRACTOR USING APPROPRIATE METHODS AND EQUIPMENT PRIOR TO ANY DRILLING OR CORING OPERATIONS IN EXISTING CONCRETE.
18. CONTRACTOR SHALL REPAIR, TO NEW CONDITION, ALL EXISTING WALL SURFACES DAMAGED DURING CONSTRUCTION SUCH THAT THEY MATCH AND BLEND IN WITH ADJACENT SURFACES.
19. CONTRACTOR SHALL SEAL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES OR MATERIALS WITH U.L. LISTED AND FIRE CODE APPROVED MATERIALS AND SYSTEMS THAT MEET OR EXCEED THE RATING OF THE ASSEMBLY IN WHICH THE NEW PENETRATION IS PLACED.
20. CONTRACTOR SHALL KEEP CONTRACT AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS AND RUBBISH. EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY OF THE OWNER SHALL BE REMOVED. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST OR SMUDGES OF ANY NATURE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ITEMS UNTIL COMPLETION OF CONSTRUCTION.
21. MINIMUM BEND RADIUS OF CABLES SHALL BE IN ACCORDANCE WITH CABLE MANUFACTURERS RECOMMENDATIONS.
22. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION SHALL BE IN COMFORMANCE WITH JURISDICTIONAL OR STATE AND LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL AND COORDINATED WITH LOCAL REGULATORY AUTHORITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ANY EROSION CONTROL MEASURES, RECORD-KEEPING, MONITORING, AND REPORTING TO THE OWNER AND REGULATORY AUTHORITIES.
23. ALL CONSTRUCTION WORK IS TO ADHERE TO APPLICANT'S INTEGRATED CONSTRUCTION STANDARDS UNLESS STATE OR LOCAL CODE IS MORE STRINGENT.
24. THE INTENT OF THE PLANS AND SPECIFICATION IS TO PERFORM THE CONSTRUCTION IN ACCORDANCE PER STATE BUILDING STANDARDS CODE AND STATE CODE OF REGULATIONS, SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE APPROVED PLANS AND SPECIFICATIONS WHEREIN THE FINISHED WORK WILL NOT COMPLY PER STATE CODE OF REGULATIONS, A SCOPE OF WORK DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE JURISDICTION BEFORE PROCEEDING WITH THE WORK. A CHANGE ORDER FOR THAT SCOPE SHALL BE SUBMITTED TO THE EVERSOURCE CM PRIOR TO PROCEEDING WITH THE WORK.
25. ADEQUATE AND REQUIRED LIABILITY INSURANCE SHALL BE PROVIDED BY THE CONTRACTOR FOR PROTECTION AGAINST THE PUBLIC LOSS AND/ANY PROPERTY DAMAGE FOR THE DURATION OF THE WORK.
26. CONTRACTOR SHALL GUARANTEE ANY/ALL MATERIALS AND WORK FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE. ANY CORRECTIVE WORK SHALL BE COMPLETED AT THE SOLE COST OF THE CONTRACTOR.

ELECTRICAL NOTES:

1. ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ANY/ALL ELECTRICAL WORK INDICATED. ANY/ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND ANY/ALL APPLICABLE SPECIFICATIONS. IF ANY PROBLEMS ARE ENCOUNTERED BY COMPLYING WITH THESE REQUIREMENTS, CONTRACTOR SHALL NOTIFY EVERSOURCE CM AS SOON AS POSSIBLE, AFTER THE DISCOVERY OF THE PROBLEMS, AND SHALL NOT PROCEED WITH THAT PORTION OF WORK, UNTIL THE EVERSOURCE CM HAS DIRECTED THE CORRECTIVE ACTION TO BE TAKEN.
2. ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH ANY/ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATION INSTALLATION AND MAKE PROVISION AS TO THE COST THEREOF ALL EXISTING CONDITION OF ELECTRICAL EQUIPMENT, ETC. THAT ARE PART OF THE FINAL SYSTEM, SHALL BE VERIFIED BY THE CONTRACTOR, PRIOR TO THE SUBMITTING OF THEIR BID. FAILURE TO COMPLY WITH THIS PARAGRAPH WILL IN NO WAY RELIEVE CONTRACTOR OF PERFORMING ALL WORK NECESSARY FOR A COMPLETE AND WORKING SYSTEM.

3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE NEC, ALL CODES AND ORDINANCES OF THE LOCAL JURISDICTION, AND POWER AND TELEPHONE COMPANIES HAVING JURISDICTION AND SHALL INCLUDE BUT ARE NOT LIMITED TO:
 - A) UL-UNDERWRITERS LABORATORIES
 - B) NEC-NATIONAL ELECTRICAL CODE
 - C) NEMA-NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
 - D) OSHA-OCCUPATIONAL SAFETY AND HEALTH ACT
 - E) SBC-STANDARD BUILDING CODE
 - F) NFPA-NATIONAL FIRE PROTECTION AGENCY
 - G) ANSI-AMERICAN NATIONAL STANDARDS INSTITUTE
 - H) IEEE-INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
 - I) ASTM-AMERICAN SOCIETY FOR TESTING MATERIALS
4. REFER TO SITE PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT, AND CONFIRM WITH EVERSOURCE CM ANY SIZES AND LOCATIONS WHEN NEEDED.
5. EXISTING SERVICES: CONTRACTOR SHALL NOT INTERRUPT EXISTING SERVICES WITHOUT WRITTEN PERMISSION OF THE OWNER.
6. CONTRACTOR SHALL CONFIRM WITH LOCAL UTILITY COMPANY ANY/ALL REQUIREMENTS SUCH AS THE : LUG SIZE RESTRICTIONS, CONDUIT ENTRY, SIZE OF TRANSFORMERS SCHEDULED DOWNTIME FOR OWNERS' CONFIRMATION, ETC... ANY/ALL CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE EVERSOURCE CM, PRIOR TO BEGINNING ANY WORK.
7. MINIMUM WIRE SIZE SHALL BE #12 AWG, NOT INCLUDING CONTROL WIRING, UNLESS NOTED OTHERWISE. ALL CONDUCTORS SHALL BE COPPER WITH THWN INSULATION, UNLESS OTHERWISE NOTED.
8. OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET/DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
9. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF THE CONSTRUCTION. CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS FOR THE EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
10. ELECTRICAL SYSTEM SHALL BE AS COMPLETELY AND EFFECTIVELY GROUNDED, AS REQUIRED BY SPECIFICATIONS, SET FORTH BY APPLICANT.
11. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS, WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY FUNCTIONAL AND SHALL BE APPROVED BY THE EVERSOURCE CM AND LOCAL JURISDICTION. ANY DEFICIENCIES SHALL BE CORRECTED BY AN ELECTRICAL CONTRACTOR AT THE SOLE COST OF THE CONTRACTOR.
12. ALL WORK SHALL BE COORDINATED WITH OWNER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
13. THE CORRECTION OF ANY DEFECTS SHALL BE COMPLETED BY THE CONTRACTOR WITHOUT ANY ADDITIONAL CHARGE AND SHALL INCLUDE THE REPLACEMENT OR THE REPAIR OF ANY OTHER PHASE OF THE INSTALLATION, WHICH MAY HAVE BEEN DAMAGED THEREIN.
14. CONTRACTOR SHALL PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULL WIRES, BOXES, COVER PLATES AND DEVICES FOR ALL OUTLETS AS INDICATED.
15. DITCHING AND BACK FILL: CONTRACTOR SHALL PROVIDE FOR ALL UNDERGROUND INSTALLED CONDUIT AND/OR CABLES INCLUDING EXCAVATION AND BACKFILLING AND COMPACTION. REFER TO NOTES AND REQUIREMENTS "EXCAVATION AND BACKFILLING".
16. MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SHALL APPEAR ON THE LIST OF U.L. APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF THE NEC, NEMA AND IEC.
17. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR MANUFACTURER'S CATALOG INFORMATION OF ANY/ALL EQUIPMENT AND ALL OTHER ELECTRICAL ITEMS FOR APPROVAL BY THE EVERSOURCE CM PRIOR TO INSTALLATION.
18. ANY CUTTING OR PATCHING DEEMED NECESSARY FOR ELECTRICAL WORK IS THE ELECTRICAL CONTRACTORS RESPONSIBILITY AND SHALL BE INCLUDED IN THE COST FOR WORK AND PERFORMED TO THE SATISFACTION OF THE EVERSOURCE CM UPON FINAL ACCEPTANCE.
19. THE ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELS WITH ONLY TYPE WRITTEN DIRECTORIES. ALL ELECTRICAL WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
20. DISCONNECT SWITCHES SHALL BE UL-RATED, H.P. RATED, H.P. RATED HEAVY-DUTY, QUICK-MAKE AND QUICK-BREAK ENCLOSURES, AS REQUIRED BY EXPOSURE TYPE.
21. ALL CONNECTIONS SHALL BE MADE WITH A PROTECTIVE COATING OF AN ANTI-OXIDE COMPOUND KNOWN AS "NO-OXIDE A" BY DEARBORNE CHEMICAL COMPANY. COAT ALL WIRE SURFACES BEFORE CONNECTING. EXPOSED COPPER SURFACES, INCLUDING GROUND BARS, SHALL BE TREATED-NO SUBSTITUTIONS.



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| PROJECT NO: | 10-19-0005.538 |
| DRAWN BY: | T.R. |
| CHECKED BY: | D.C. |

| REV | DATE | DESCRIPTION |
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| 0 | 11/11/2022 | ISSUED FOR REVIEW |

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TRURO DPW, 311
SHORE ROAD, TRURO,
MA 02666

ELECTRIC VEHICLE
CHARGING STATIONS

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

GN-1

ELECTRICAL NOTES CONT'D:

1. RACEWAYS: CONDUIT SHALL BE SCHEDULE 40/80 PVC MEETING OR EXCEEDING NEMA TC2 - 1990. CONTRACTOR SHALL PLUG AND CAP EACH END OF SPARE AND EMPTY CONDUITS AND PROVIDE TWO SEPARATE PULL STRINGS - 200 LBS TEST POLYETHYLENE CORD. ALL CONDUIT BENDS SHALL BE A MINIMUM OF 2 FT. RADIUS. RGS FITTINGS SHALL BE SUITABLE FOR USE WITH THREADED RIDGED CONDUIT. COAT ALL THREADS WITH "BRITE ZINC" OR "COLD GALV."
2. SUPPORT OF ALL ELECTRICAL WORK SHALL BE AS REQUIRED BY NEC.
3. CONDUCTORS: CONTRACTOR SHALL USE 98% CONDUCTIVITY COPPER WITH TYPE THWN INSULATION, UNLESS OTHERWISE NOTED, 600 VOLT, COLOR CODED. USE SOLID CONDUCTORS FOR WIRE UP TO AND INCLUDING NO. 8 AWG. USE STANDARD CONDUCTORS FOR WIRE ABOVE NO. 8 AWG.
4. CONNECTORS FOR POWER CONDUCTORS: CONTRACTOR SHALL USE PRESSURE TYPE INSULATED TWIST-ON CONNECTORS FOR NO. 10 AWG AND SMALLER. USE SOLDERLESS MECHANICAL TERMINAL LUGS FOR NO. 8 AWG LARGER.
5. SERVICE: AS SPECIFIED ON THE DRAWINGS, OWNER OR OWNER'S AGENT WILL APPLY FOR POWER. ALL PROVISIONS FOR TEMPORARY POWER WILL BE OBTAINED BY THE CONTRACTOR.
6. TELEPHONE OR FIBRE SERVICE: CONTRACTOR SHALL PROVIDE EMPTY CONDUITS WITH PULL STRINGS AS INDICATED ON DRAWINGS.
7. ELECTRICAL AND TELCO/FIBRE RACEWAYS TO BE BURIED A MINIMUM DEPTH OF 30", UNLESS OTHERWISE NOTED.
8. CONTRACTOR SHALL PLACE 6" WIDE DETECTABLE WARNING TAPE AT A DEPTH OF 6" BELOW GROUND AND DIRECTLY ABOVE ELECTRICAL AND TELCO SERVICE CONDUITS. CAUTIONS TAPE TO READ "CAUTION BURIED ELECTRIC" OR BURIED TELECOMM".
9. ALL BOLTS SHALL BE 3-16 STAINLESS STEEL.

GROUNDING NOTES:

1. ALL HARDWARE SHALL BE 3-16 STAINLESS STEEL, INCLUDING LOCK WASHERS. COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND, AS SPECIFIED, BEFORE MATING. ALL HARDWARE SHALL BE STAINLESS STEEL 3/8 INCH DIAMETER OR LARGER.
2. FOR GROUND BOND TO STEEL ONLY: INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
3. ALL STEEL CONDUIT SHALL BE BONDED AT BOTH ENDS WITH GROUNDING BUSHING.
4. ALL ELECTRICAL AND GROUNDING AT THE POLE SITE SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE (NEC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 780 (LATEST EDITION), AND MANUFACTURER.
5. ALL DETAILS ARE SHOWN IN GENERAL TERMS. ACTUAL GROUNDING INSTALLATION AND CONSTRUCTION MAY VARY DUE TO SITE SPECIFIC CONDITIONS.
6. ALL GROUND CONNECTIONS SHALL BE #6 AWG, UNLESS OTHERWISE NOTED. ALL WIRES SHALL BE COPPER WITH THIN, UNLESS OTHERWISE NOTED. ALL GROUND WIRE SHALL BE SOLID TIM COATED OR STRANDED GREEN INSULATED WIRE.
7. CONTRACTOR TO VERIFY AND TEST GROUND TO SOURCE, 10 OHMS MAXIMUM. PROVIDE SUPPLEMENT GROUNDING RODS AS REQUIRED TO ACHIEVE SPECIFIED OHMS READING. GROUNDING AND OTHER OPTIONAL TESTING WILL BE WITNESSED BY THE EVERSOURCE CM.
8. NOTIFY ARCHITECT/ENGINEER IF THERE ARE ANY DIFFICULTIES INSTALLING GROUNDING SYSTEM DUE TO SITE SOIL CONDITIONS.
9. ALL HORIZONTALLY RUN GROUNDING CONDUCTORS SHALL BE INSTALLED A MINIMUM OF 30" BELOW GRADE/ 6" BELOW FROST-LINE IN TRENCH, UNLESS OTHERWISE NOTED. BACK FILL SHALL BE COMPACTED AS REQUIRED BY ARCHITECT/ENGINEER.
10. ALL GROUND CONDUCTORS SHALL BE RUN AS STRAIGHT AND SHORT AS POSSIBLE, WITH A MINIMUM OF 12" BENDING RADIUS NOT LESS THAN 90 DEGREES.
11. ACCEPTABLE CONDITIONS FOR GROUNDING SYSTEM SHALL BE:
 - A) BURNDY, HY-GRADE U.L. LISTED CONNECTORS FOR OUTDOOR USE OR AS APPROVED BY APPLICANT PROJECT MANAGER.
 - B) CADWELD, EXOTHERMIC WELDS (WELDED CONNECTIONS).
 - C) ONE (1) HOLE TINNED COPPER COMPRESSION (LONG BARREL) FITTINGS.
12. ALL CRIMPED CONNECTION SHALL HAVE EMBOSSED MANUFACTURER'S DIEMARK VISIBLE AT THE CRIMP (RESULTING FROM USE OF PROPER CRIMPING DEVICES) AND WEATHER-PROOFED WITH HEAT SHRINK.

13. ALL CONNECTION HARDWARE SHALL BE TYPE 3-16 STAINLESS STEEL (NOT ATTRACTED TO MAGNETS).
14. ELECTRICAL SERVICE EQUIPMENT GROUNDING SHALL COMPLY WITH NEC, ARTICLE 250-82 AND SHALL BOND ALL EXISTING AND NEW GROUNDING ELECTRODES. NEW GROUNDING ELECTRODE SHALL INCLUDE BUT NOT LIMITED TO GROUND RODS.

SITE WORK NOTES:

1. DO NOT EXCAVATE OR DISTURB BEYOND THE PROPERTY LINES OR LEASE LINES, UNLESS OTHERWISE NOTED.
2. SIZE, LOCATION AND TYPE OF ANY UNDERGROUND UTILITIES OR IMPROVEMENTS SHALL BE ACCURATELY NOTED AND PLACED ON AS-BUILD DRAWINGS BY GENERAL CONTRACTOR AND ISSUED TO ARCHITECT/ ENGINEER AT COMPLETION OF PROJECT.
3. ALL EXISTING UTILITIES, FACILITIES, CONDITIONS AND THEIR DIMENSIONS SHOWN ON PLANS HAVE BEEN PLOTTED FROM AVAILABLE RECORDS. THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY WHATSOEVER AS TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS OR THE MANNER OF THEIR REMOVAL OR ADJUSTMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL EXISTING UTILITIES AND FACILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL ALSO OBTAIN FROM EACH UTILITY COMPANY DETAILED INFORMATION RELATIVE TO WORKING SCHEDULES AND METHODS OF REMOVING OR ADJUSTING EXISTING UTILITIES.
4. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES BOTH HORIZONTALLY AND VERTICALLY PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES OR DOUBTS AS TO THE INTERPRETATION OF PLANS SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT/ENGINEER OR EVERSOURCE CM FOR RESOLUTION AND INSTRUCTIONS, AND NO FURTHER WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS CHECKED AND CORRECTED BY THE ARCHITECT/ENGINEER. FAILURE TO SECURE SUCH INSTRUCTION MEANS CONTRACTOR WILL HAVE WORKED AT THEIR OWN RISK AND EXPENSE. CONTRACTOR SHALL CALL LOCAL UTILITY LOCATE HOT LINE, SUCH AS 811, FOR UTILITY LOCATIONS A MINIMUM OF 48 HOURS PRIOR TO START OF CONSTRUCTION.
5. ALL NEW AND EXISTING STRUCTURES ON SITE AND IN AREAS TO BE DISTURBED BY CONSTRUCTION SHALL BE ADJUSTED TO FINISH ELEVATIONS PRIOR TO FINAL INSPECTION OF WORK. ANY COST RELATED TO ADJUSTING EXISTING STRUCTURES SHALL BE BORNE SOLELY BY THE CONTRACTOR.
6. GRADING OF THE SITE WORK AREA IS TO BE SMOOTH AND CONTINUOUS IN SLOPE AND IS TO FEATHER INTO EXISTING GRADES AT THE GRADING LIMITS.
7. ALL TEMPORARY EXCAVATIONS FOR THE INSTALLATION OF FOUNDATIONS, UTILITIES, ETC., SHALL BE PROPERLY LAID BACK OR BRACED IN ACCORDANCE WITH CORRECT OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REQUIREMENTS.
8. STRUCTURAL FILLS SUPPORTING PAVEMENTS SHALL BE COMPACTED TO 95% OF MAXIMUM STANDARD PROCTOR DRY DENSITY, UNLESS OTHERWISE NOTED.
9. NEW GRADES NOT IN BUILDING AND DRIVEWAY IMPROVEMENT AREA TO BE ACHIEVED BY FILLING WITH APPROVED CLEAN FILL AND COMPACTED TO 95 % OF STANDARD PROCTOR DENSITY.

10. ALL FILL SHALL BE PLACED IN UNIFORM LIFTS. THE LIFTS THICKNESS SHOULD NOT EXCEED THAT WHICH CAN BE PROPERLY COMPACTED THROUGHOUT ITS ENTIRE DEPTH WITH THE EQUIPMENT AVAILABLE.
11. ANY FILLS PLACED ON EXISTING SLOPES THAT ARE STEEPER THAN 10 HORIZONTAL TO 1 VERTICAL SHALL BE PROPERLY BENCHED INTO THE EXISTING SLOPE AS DIRECTED BY GEOTECHNICAL ENGINEER.
12. CONTRACTOR SHALL CLEAN ENTIRE SITE AFTER CONSTRUCTION SUCH THAT NO DEBRIS, PAPER, TRASH, WEEDS, BRUSH, EXCESS FILL, OR ANY OTHER DEPOSITS WILL REMAIN. ALL MATERIALS COLLECTED DURING CLEANING OPERATIONS SHALL BE DISPOSED OF OFF-SITE BY THE GENERAL CONTRACTOR.
13. ALL TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH THE IMPROVEMENTS SHALL BE PROTECTED BY THE GENERAL CONTRACTOR.
14. ALL SITE WORK SHALL BE CAREFULLY COORDINATED BY GENERAL CONTRACTOR WITH LOCAL UTILITY COMPANY, AND ANY OTHER UTILITY COMPANIES HAVING JURISDICTION OVER THIS LOCATION.

ENVIRONMENTAL NOTES:

1. ALL WORK PERFORMED SHALL BE DONE IN ACCORDANCE WITH ISSUED PERMITS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF FINES AND PROPER CLEAN UP FOR AREAS IN VIOLATION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROLS DURING CONSTRUCTION FOR PROTECTION OF ADJACENT PROPERTIES, ROADWAYS AND WATERWAYS. ALL EROSION AND SEDIMENTATION CONTROLS SHALL BE MAINTAINED IN PLACE THROUGH FINAL JURISDICTIONAL INSPECTION AND RELEASE OF SITE.
3. CONTRACTOR SHALL INSTALL/CONSTRUCT ALL NECESSARY SEDIMENT/SILT CONTROL FENCING AND PROTECTIVE MEASURES AS REQUIRED BY THE LOCAL JURISDICTION WITHIN THE LIMITS OF SITE DISTURBANCE PRIOR TO CONSTRUCTION.
4. NO SEDIMENTATION SHALL BE ALLOWED TO EXIT THE PROPERTY. THE CONTRACTOR IS RESPONSIBLE FOR TAKING ADEQUATE MEASURES FOR CONTROLLING EROSION. ADDITIONAL SEDIMENT CONTROL FENCING MAY BE REQUIRED IN ANY AREAS SUBJECT TO EROSION.
5. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE ON THE SITE AT ALL TIMES WITH SILT AND EROSION CONTROL MEASURES MAINTAINED ON THE DOWNSTREAM SIDE OF SITE DRAINAGE. ANY DAMAGE TO THE ADJACENT PROPERTY AS A RESULT OF EROSION WILL BE CORRECTED AT THE CONTRACTORS EXPENSE.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY INSPECTIONS AND ANY REPAIRS OF ALL SEDIMENT CONTROL MEASURES INCLUDING SEDIMENT REMOVAL AS NECESSARY.
7. CLEARING OF VEGETATION AND TREE REMOVAL SHALL BE ONLY AS PERMITTED AND BE HELD TO A MINIMUM. ONLY TREES NECESSARY FOR CONSTRUCTION OF THE FACILITIES SHALL BE REMOVED.
8. SEEDING AND MULCHING AND/OR SODDING OF THE SITE WILL BE ACCOMPLISHED AS SOON AS POSSIBLE AFTER COMPLETION OF THE PROJECT FACILITIES AFFECTING LAND DISTURBANCE.
9. CONTRACTOR SHALL PROVIDE ALL EROSION AND SEDIMENTATION CONTROL MEASURES AS REQUIRED BY LOCAL, COUNTY AND STATE CODES AND ORDINANCES TO PROTECT EMBANKMENTS FROM SOIL LOSS AND TO PREVENT ACCUMULATION OF SOIL AND SILT IN STREAMS AND DRAINAGE PATHS LEAVING THE CONSTRUCTION AREA. THIS MAY INCLUDE, BUT IS NOT LIMITED TO SUCH MEASURES AS SILT FENCES, STRAW BALE SEDIMENT BARRIERS, AND CHECK DAMS.
10. RIP RAP OF SIZES INDICATED SHALL CONSIST OF CLEAN, HARD, SOUND, DURABLE, UNIFORM IN QUALITY STONE FREE OF ANY DETRIMENTAL QUANTITY OF SOFT, FRIABLE, THIN, ELONGATED OR LAMINATED PIECES, DISINTEGRATED MATERIAL, ORGANIC MATTER, OIL, ALKALI, OR OTHER DELETERIOUS SUBSTANCES.
11. GENERAL CONTRACTOR TO PLACE MATERIAL AT ALL CATCH BASINS ADJACENT TO CONSTRUCTION SITE TO PREVENT SOLID WASTE CONTAMINATION FROM ENTERING SEWER SYSTEM.



1 Westinghouse Plaza,
Suite D6, Boston,
Massachusetts, 02136
+1 617-361-6700



800 Boylston St,
Boston,
Massachusetts, 02199
+1 800-592-2000

| | |
|-------------|----------------|
| PROJECT NO: | 10-19-0005.538 |
| DRAWN BY: | T.R. |
| CHECKED BY: | D.C. |

| REV | DATE | DESCRIPTION |
|-----|------------|-------------------|
| 0 | 11/11/2022 | ISSUED FOR REVIEW |

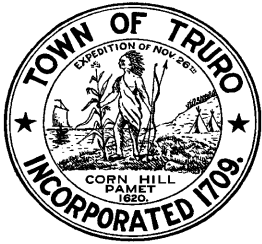
IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

TRURO DPW, 311
SHORE ROAD, TRURO,
MA 02666

ELECTRIC VEHICLE
CHARGING STATIONS

SHEET TITLE
GENERAL NOTES

SHEET NUMBER
GN-2



TOWN OF TRURO

Select Board Agenda Item

DEPARTMENT: Administration

REQUESTOR: Kristen Reed, Select Board Chair

REQUESTED MEETING DATE: March 21, 2023

ITEM: Select Board Reconsideration of Votes to Recommend Warrant Articles

EXPLANATION: Select Board Chair Reed requested an opportunity for Clerk Dundas to vote on the articles that he was absent for at the March 14, 2023 meeting. Staff conferred with Town Counsel who advised that the Board may re-vote the articles but first taking a vote to reconsider the previously voted articles. Then, for efficiency purposes, the Board may vote to recommend all of the previously voted articles in one motion. This option is recommended as all of the articles were unanimously recommended by the members in attendance on March 14, 2023. If there is an article that Clerk Dundas, or any of the members, wishes to consider separately, they may choose to exempt that article from the motion and vote on that article separately.

The articles included are the 11 free cash transfer articles, 1 Capital Stabilization Fund transfer, and 9 Community Preservation Act articles voted at the March 14, 2023 meeting. The 2 Community Preservation Act articles that were not voted at the March 14, 2023 are not included in this list of articles and proposed motion.

FINANCIAL SOURCE (IF APPLICABLE): N/A

IMPACT IF NOT APPROVED: If not revoted, Member Dundas' votes will not be recorded for these articles.

SUGGESTED ACTION:

MOTION 1: Motion to reconsider the prior votes to recommend the articles included as attachment 6B1 in the packet.

(if passes)

MOTION 2: *Motion to recommend the warrant articles as printed in attachment 6B1.*

ATTACHMENTS:

1. Warrant Articles Voted at the 3/14/23 Meeting

Article X: Transfer of Funds from Free Cash

SECTION 1: TO REDUCE OR STABILIZE THE FY2024 TAX RATE

To see if the Town will vote to transfer Eight Hundred Thousand Dollars and no cents (\$800,000.00) from Free Cash to reduce or stabilize the FY2024 Tax Rate, or to take any other action relative thereto.

Requested by the Select Board

Explanation: This is a customary article that transfers funds to offset the tax rate for the upcoming fiscal year. Annually, the Select Board uses certified Free Cash (unexpended funds) as a revenue source to reduce the impact on the tax rate. Last year, \$900,000.00 of Free Cash was used to offset the tax rate. Staff recommends gradually reducing the amount of Free Cash used in this manner in an effort to prepare for years that less Free Cash is available. For this reason, staff recommends transferring \$800,000.00 of Free Cash to stabilize the FY2024 tax rate.

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| Finance Committee Recommendation | | | |
| Select Board Recommendation | | | |

SECTION 3: TO THE CAPITAL EXPENSE STABILIZATION FUND

To see if the Town will vote to transfer the sum of One Hundred Thousand Dollars and no cents (\$100,000.00) from Free Cash to the Capital Expense Stabilization Fund, or take any other action relative thereto.

Requested by the Select Board

Explanation: This is a customary article that began at the 2016 ATM to transfer funds into the Capital Expense Stabilization Fund to plan for significant capital purchases that will occur several years in the future. Rather than waiting and appropriating or borrowing the entire sum in one year, this fund will allow us to reserve, with Town Meeting approval, incremental sums of money over time. When the project or purchase is ready to be funded, a Town Meeting vote will be required to appropriate the funds. This year's recommended transfer from Free Cash is \$100,000. The balance as of {{DATE}} in the fund is {{BALANCE AMOUNT}}.

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| Finance Committee Recommendation | | | |
| Select Board Recommendation | | | |

SECTION 4: TO STABILIZATION FUND

To see if the Town will vote to transfer the sum of One Hundred Thousand Dollars and no cents (\$100,000.00) from Free Cash to the Stabilization Fund, or take any other action relative thereto.

Requested by the Select Board

Explanation: This transfer will replenish funds that have been transferred to the General Fund over the past several years to pay accumulated benefit obligations to retiring employees. Free Cash will be used for that purpose in FY2024. The balance as of {{DATE}} in the Stabilization Fund is {{BALANCE AMOUNT}} or {{PERCENTAGE OF BUDGET}} of the proposed FY2024 Operating Budget. This transfer will bring the Town closer to the recommended 6-10% of operating expenditure budget for the Stabilization Fund.

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| Finance Committee Recommendation | | | |
| Select Board Recommendation | | | |

SECTION 5: TO FUND FALL 2023 SPECIAL TOWN MEETING/ ELECTION

To see if the Town will vote to transfer the sum of Five Thousand Dollars and no cents (\$5,000.00) from Free Cash to the Election Budget (010162) to pay costs of a fall 2023 special town meeting and/or fall 2023 special town election, and for the payment of all other costs incidental and related thereto; or take any other action relative thereto.

Requested by the Select Board

Explanation: The Select Board anticipates that a fall 2023 special town meeting (and potentially a fall 2023 special town election, if necessary) will be called based on the current timelines and planning efforts of the Local Comprehensive Plan Committee and the Walsh Property Community Planning Committee. As it is unknown what other potential articles may be submitted for consideration, a special town election may also be necessary. This Free Cash transfer will make monies available to be able to hold both of these events if necessary.

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| Finance Committee Recommendation | | | |
| Select Board Recommendation | | | |

SECTION 7: TO GENERAL FUND RESERVE FUND

To see if the Town will vote to transfer the sum of One Hundred Twenty-Five Thousand Dollars and no cents (\$125,000.00) from Free Cash to the Reserve Fund (01013257) to be available for extraordinary or unforeseen expenditures in Fiscal Year 2024, or take any other action relative thereto.

Requested by the Select Board

Explanation: In accordance with MGL Chapter 40, Section 6, the Reserve Fund is a sum of money appropriated at Town Meeting to be used for “extraordinary or unforeseen expenditures.” The Finance Committee approves or denies Reserve Fund Transfer requests in accordance with Massachusetts General Law and Truro Select Board Policy #42. In recent years, Town Meeting has appropriated \$100,000.00 in the Omnibus Budget to the Reserve Fund. This year, similar to last year, \$100,000.00 is included in the FY2024 Omnibus Budget and \$125,000.00 of Free Cash is requested to bring the FY2024 Reserve Fund total to \$225,000.00. This request brings the reserves of the Town more in line with Government Finance Officers Association recommendations.

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| Finance Committee Recommendation | | | |
| Select Board Recommendation | | | |

SECTION 8: TO FUND SUBSTANCE USE DISORDER PROGRAM

To see if the Town will vote to transfer the sum of Twenty-Six Thousand Seven Hundred Eighteen Dollars and no cents (\$26,718.00) from Free Cash to the Health and Conservation Budget (01051152) to pay the costs of Truro’s share of a regional substance use disorder program in an amount issued to the town as part of a statewide opioid settlement, and for the payment of all other costs incidental and related thereto; or take any other action relative thereto.

Requested by the Health & Conservation Agent

Explanation: The Town of Truro received its portion of settlement funds as part of the State’s resolution to hold accountable several corporations that flooded Massachusetts with dangerous opioids. The funds were deposited into the Town’s general fund but will need to be spent in accordance with the provisions outlined by the State. The Truro Health Department is engaging with other Outer Cape Health Departments to leverage the joined funds of the towns to create a program that will address substance use disorder on the Outer Cape. In order to access the funds for this purpose, the monies (which flow into Free Cash once certified) must be appropriated at Town Meeting.

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| Finance Committee Recommendation | | | |
| Select Board Recommendation | | | |

SECTION 9: TO PROCURE CONSTRUCTION SERVICES FOR BEACH PARKING LOT PAVING AND MAINTENANCE

To see if the Town will vote to transfer the sum of Four Hundred Thousand Dollars and no cents (\$400,000.00) from Free Cash to the Department of Public Works Capital (01040058) to pay the costs of construction services related to beach parking lot paving and beach parking lot maintenance, and for the payment of all other costs incidental and related thereto; or take any other action relative thereto.

Requested by the Public Works Director

Explanation: Last year, voters approved engineering services related to the repaving, maintenance, and re-striping of Corn Hill Beach and Head of the Meadow Beach parking lots. The engineering services are complete and this article would fund the costs associated with the construction costs for paving, striping and maintenance at Head of the Meadow Beach. Funding for the construction for Corn Hill Beach’s parking lot is expected in a subsequent year.

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| Finance Committee Recommendation | | | |
| Select Board Recommendation | | | |

SECTION 10: TO REPLACE THE EXTERIOR DOORS FOR TRURO CENTRAL SCHOOL

To see if the Town will vote to transfer the sum of One Hundred Seventy Thousand Dollars and no cents (\$170,000.00) from Free Cash to the Public Education Capital (01030058) to pay the costs of construction services to replace the exterior doors at Truro Central School, and for the payment of all other costs incidental and related thereto; or take any other action relative thereto.

Requested by the School Committee

Explanation: Truro Central School’s exterior doors are beyond economical repair and pose a safety risk for students, staff and visitors of the School. This article seeks to replace all fifteen of the exterior doors at Truro Central School. The locking mechanisms will be swapped out and security system mechanisms for the doors will be reinstalled as part of the project.

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| Finance Committee Recommendation | | | |
| School Committee Recommendation | | | |
| Select Board Recommendation | | | |

SECTION 11: TO EMPLOYEE BENEFIT ACCOUNT

To see if the Town will vote to transfer the sum of One Hundred Thousand Dollars and no cents (\$100,000.00) from Free Cash to the Employee Benefits and Reserve Account (01015351); or take any other action relative thereto.

Requested by the Town Manager

Explanation: This article will provide the funding to honor employment contracts (\$50,000.00) for long-time employees that retire or separate from the Town and will also continue the \$50,000.00 “signing bonus” program to assist in the recruitment of personnel for vacant non-School positions, particularly vacant positions in public safety.

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| Finance Committee Recommendation | | | |
| Select Board Recommendation | | | |

SECTION 12: TO FUND A HYDROGEOLOGIC EVALUATION OF A TRURO NEIGHBORHOOD (POND VILLAGE)

To see if the Town will vote to transfer the sum of Fifty Thousand Dollars and no cents (\$50,000.00) from Free Cash to the Health and Conservation Department Services Budget (01051152) to pay the costs to conduct a hydrogeologic evaluation of an area in the Pond Village neighborhood, and for the payment of all other costs incidental and related thereto; or take any other action relative thereto.

Requested by the Health & Conservation Agent

Explanation: The purpose of this project is to establish the depth to groundwater, the groundwater flow direction and the basic water quality of the project area in order to optimize septic system locations in a neighborhood setting. This project will help the Board of Health develop regulations that will establish well protection zones based on the direction of groundwater flow.

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| Finance Committee Recommendation | | | |
| Select Board Recommendation | | | |

SECTION 13: TO FUND A COMPREHENSIVE WASTEWATER MANAGEMENT PLAN

To see if the Town will vote to transfer the sum of Fifty-Six Thousand Dollars and no cents (\$56,000.00) from Free Cash to the Health and Conservation Department Services Budget (01051152) to pay the costs of procuring a consultant to provide the technical assistance required to complete a comprehensive wastewater management plan, and for the payment of all other costs incidental and related thereto; or take any other action relative thereto.

Requested by the Health & Conservation Agent

Explanation: Developing a wastewater management plan will help the Town protect groundwater and drinking water resources, and address nutrient removal, particularly nitrogen removal, as the prevalence of nitrogen has become an issue due to the widespread reliance on on-site septic systems as a means of addressing wastewater. Completion of the plan qualifies the Town for State revolving fund programs and will also support future forecasting for residential and economic development.

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| Finance Committee Recommendation | | | |
| Select Board Recommendation | | | |

**TWO-THIRDS
VOTE**

Article X: Transfer of Funds from Capital Stabilization Fund for the Public Safety Facility Repair Project

To see if the Town will vote to transfer the sum of Six Hundred Thousand Dollars and no cents (\$600,000.00) from the Capital Stabilization Fund for the Public Safety Facility Repair Project; or to take any other action relative thereto.

Requested by the Select Board

Explanation: The Public Safety Facility requires replacement of siding and trim, insulation and triple pane windows. These repairs are necessary due to the deterioration of the building, and will also make the building more energy efficient. The total cost of the project is \$756,000.00, however, Truro has received a Green Communities grant for \$156,000.00 for this project resulting in the \$600,000.00 transfer from the Capital Stabilization Fund that is requested. In anticipation of capital projects, the town has made recent yearly transfers to the Capital Stabilization Fund totaling {{CURRENT BALANCE}} as of {{DATE}}. If this article is approved and if Article 6, Section 3 is approved the new balance would be {{NEW BALANCE}}.

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| Finance Committee Recommendation | | | |
| Select Board Recommendation | | | |

COMMUNITY PRESERVATION ACT ARTICLES

Article X: Community Preservation Act: Contribution to the Affordable Housing Trust Fund

(Community Housing)

To see if the Town will vote to appropriate \$545,174.85 from projected Community Preservation Act Projected FY24 Surcharge Charge Revenue and \$204,825.15 from the Community Preservation Undesignated Fund Balance for a total of Seven Hundred Fifty Thousand dollars and no cents (\$750,000.00) to contribute to the Truro Affordable Housing Trust Fund, and to enter into a grant agreement to set forth the terms and conditions thereof, or take any other action relative thereto.

Requested by Truro Housing Authority on behalf of the Affordable Housing Trust

Explanation: The Housing Trust money has been depleted during the past year. Funds were used for the purpose of providing a local match for the cost of the Cloverleaf housing project; the Emergency Rental Assistance Program; updating the Housing Production Plan and Housing Needs Assessment; and moving two buildings to be used for employee housing to a Town-owned lot. Having a fund of money immediately available allows the Housing Authority to act on opportunities that would be lost if the Housing Authority had to wait for Town Meeting or beyond to request money for a legitimate Community Housing project.

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| Community Preservation Committee Recommendation | 7 | 0 | 0 |
| Finance Committee Recommendation | | | |
| Select Board Recommendation | | | |

Article X: Community Preservation Act: Housing Consultant

(Community Housing)

To see if the Town will vote to appropriate the sum of Twenty-five Thousand dollars and no cents (\$25,000.00) from the Community Preservation Act Undesignated Fund Balance to provide technical assistance to the Truro Housing Authority, and to enter into a grant agreement to set forth the terms and conditions thereof, or take any other action relative thereto.

Requested by Truro Housing Authority

Explanation: The Truro Housing Authority needs to have professional expertise in developing and implementing housing projects. The consultant will not be a full or part-time employee of the Town, but rather will work on particular projects on an “as needed” basis. These funds will be used for a consultant to continue to work on property acquisition, planning and educational programs on housing needs.

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| Community Preservation Committee Recommendation | 7 | 0 | 0 |
| Finance Committee Recommendation | | | |
| Select Board Recommendation | | | |

Article X: Community Preservation Act: Regional Contribution for 3 Jerome Smith Way, Provincetown

(Community Housing)

To see if the Town will vote to appropriate the sum of One Hundred Thousand dollars and no cents (\$100,000.00) from the Community Preservation Act Undesignated Fund Balance to provide a regional contribution for community housing at 3 Jerome Smith Way, Provincetown by Community Builders, Inc., and to enter into a grant agreement to set forth the terms and conditions thereof, and to authorize the Select Board to acquire an affordable housing restriction from Community Builders; or take any other action relative thereto.

Requested by the Community Builders, Inc

Explanation: This is a regional request for community housing. Although it does not count towards achieving a Truro goal of 10% Affordable Housing, the 65 units being built at 3 Jerome Smith Way (the former VFW site) will create year-round, rental units for a variety of Area Median Income (AMI) levels. There will be a mix of studio, one-bedroom, two-bedroom, and three-bedroom units. People who don't live in Provincetown but work in Provincetown or have children who go to Provincetown Elementary School are eligible for the first-round drawing in the lottery for available units.

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| Community Preservation Committee Recommendation | 7 | 0 | 0 |
| Finance Committee Recommendation | | | |
| Select Board Recommendation | | | |

Article X: Community Preservation Act: Congregational Cemetery Restoration

(Historical Preservation)

To see if the Town will vote to appropriate the sum of \$71.00 from Projected Fiscal Year 2024 Community Preservation Act Surcharge Revenue, and a sum of \$25,202.00 from the Community Preservation Act Undesignated Fund Balance for a total amount of Twenty-five Thousand, Two Hundred Seventy-two dollars and no cents (\$25,273.00) for

the restoration of the Congregational Cemetery at 3 First Parish Lane, by the Friends of the Truro Meeting House, and to enter into a grant agreement to set forth the terms and conditions thereof, and to authorize the Select Board to acquire an historic preservation restriction on said cemetery land; or take any other action relative thereto.

Requested by the Friends of the Truro Meetinghouse

Explanation: Erosion has taken away topsoil and ground cover and made finding the 1982 surveyors' markers impossible. As a result some 44 grave sites no longer "exist" nor can they be located by members of the community. The Friends of the Truro Meeting House plans include restoration of landscape and access, survey and mapping costs, and installation of bounds. This historic cemetery is a vital part of Truro's cultural heritage. Old family names appear on gravestones, and memorials commemorate mariners lost at sea. The cemetery provides a place of solitude, contemplation, and reflection for its visitors.

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| Community Preservation Committee Recommendation | 7 | 0 | 0 |
| Finance Committee Recommendation | | | |
| Select Board Recommendation | | | |

Article X: Community Preservation Act: Historic Self-Guided Tour

(Historical Preservation)

To see if the Town will vote to appropriate the sum of Five Thousand, Six Hundred Thirty dollars and no cents (\$5,630.00) from the Community Preservation Act Undesignated Fund Balance for preparation of an updated guide to the historic landmarks of Truro by the Truro Historical Commission and the Truro Historical Society, and to enter into a grant agreement to set forth the terms and conditions thereof, or take any other action relative thereto.

Requested by the Truro Historical Commission and Truro Historical Society

Explanation: This is for a reprint of the popular Historic Truro – Landmarks and Legends – Self-Guided Tours. This, pocket-sized booklet will be made available at no cost to residents and visitors at Town buildings and other locations. The booklet helps the reader appreciate Truro's history and serves as a teaching tool for students to see our neighborhoods in a new light.

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| Community Preservation Committee Recommendation | 7 | 0 | 0 |
| Finance Committee Recommendation | | | |
| Select Board Recommendation | | | |

Article X: Community Preservation Act: Historic Cemetery Field Guide

(Historical Preservation)

To see if the Town will vote to appropriate the sum of Nineteen Thousand, Six Hundred Seventy-five dollars and no cents (\$19,675.00) from the Community Preservation Act Undesignated Fund Balance, to prepare a field guide and signage for the Town’s historic cemeteries by the Truro Cemetery Commission, and to enter into a grant agreement to set forth the terms and conditions thereof, or take any other action relative thereto.

Requested by the Truro Cemetery Commission

Explanation: Truro Historic cemeteries include all but the New South Cemetery on Old County Rd. The field guide will cover the 6 historic cemeteries. Included in the project are four permanent signs, providing more historic information on the cemeteries.

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| Community Preservation Committee Recommendation | 7 | 0 | 0 |
| Finance Committee Recommendation | | | |
| Select Board Recommendation | | | |

Article X: Community Preservation Act: Cobb Archive Library Gutters

(Historical Preservation)

To see if the Town will vote to appropriate the sum of Eleven Thousand, and Twenty-three dollars and no cents (\$11,023.00) from Projected Fiscal Year 2024 Community Preservation Act Surcharge Revenue, to replace the gutters of the Cobb Archive Library, located at 13 Town Center Rd., and to enter into a grant agreement to set forth the terms and conditions thereof, or take any other action relative thereto.

Requested by the Truro Historical Commission & the Department of Public Works

Explanation: The gutters, associated fascia and trim have deteriorated at this historic building owned by the Town. The gutter replacement and repair of trim will be overseen by the DPW.

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| Community Preservation Committee Recommendation | 7 | 0 | 0 |
| Finance Committee Recommendation | | | |
| Select Board Recommendation | | | |

Article X: Community Preservation Act: Displays at Highland House Museum

(Historical Preservation)

To see if the Town will vote to appropriate the sum of Eleven Thousand, Eight Hundred, Twenty dollars and no cents (\$11,820.00) from Projected Fiscal Year 2024 Community Preservation Act Surcharge Revenue, to provide protective display shields and display cases and for 3D generated model ships for the Pamet Harbor display at the Highland House Museum for the Truro Historical Society, and to enter into a grant agreement to set forth the terms and conditions thereof, or take any other action relative thereto.

Requested by the Truro Historical Society

Explanation: Acrylic shields are planned for the second floor room displays. Acrylic covers are needed to protect other display items that illustrate the history of Truro’s history and culture. Model ships are to be designed through 3D modeling to fit into the Pamet Harbor model.

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| Community Preservation Committee Recommendation | 7 | 0 | 0 |
| Finance Committee Recommendation | | | |
| Select Board Recommendation | | | |

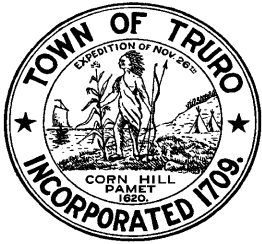
Article X: Community Preservation Act: Administrative Support

To see if the Town will vote to appropriate the sum of Thirty-six Thousand, Three Hundred Forty-four dollars and Fifteen cents (\$36,344.15) from Projected Fiscal Year 2024 Community Preservation Act Surcharge Revenue, for the administrative expenses of the Community Preservation Committee, or take any other action relative thereto.

Requested by Community Preservation Committee

Explanation: The Community Preservation Act and the Truro Community Preservation Bylaws permit 5% of the projected Community Preservation Act surcharge revenue to be used for management of CPC operations, as well as for workshops, seminars, membership in the Community Preservation Coalition, printing, advertising, and supplies. Any money remaining at the end of the Fiscal Year will revert to the Community Preservation Act Undesignated Fund Balance.

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| Community Preservation Committee Recommendation | 7 | 0 | 0 |
| Finance Committee Recommendation | | | |
| Select Board Recommendation | | | |



TOWN OF TRURO

Select Board Agenda Item

DEPARTMENT: Administration

REQUESTOR: Kristen Reed, Select Board Chair and Liaison to the Charter Review Committee

REQUESTED MEETING DATE: March 21, 2023

ITEM: Discussion and Approval of Revised Charge of the Charter Review Committee

EXPLANATION: The Charter Review Committee's charge indicates that the Committee is "established to make recommendations for the revision or amendment of the Truro Charter" however there is some ambiguity over whether the Committee shall provide votes to recommend on Charter-related articles for town meeting. The Charter Review Committee's review and opinions on articles will help to inform town meeting voters and the proposed changes include a requirement to provide votes to recommend.

FINANCIAL SOURCE (IF APPLICABLE): N/A

IMPACT IF NOT APPROVED: There will continue to be ambiguity over whether the Committee shall provide votes to recommend on Charter-related articles for town meeting.

SUGGESTED ACTION: *MOTION TO approve the Charter Review Committee's charge as recommended and to electronically sign.*

ATTACHMENTS:

1. Charter Review Committee Charge
2. Draft Proposed Charter Review Committee Charge



TOWN OF TRURO

P.O. Box 2030, Truro, MA 02666

Tel: 508-349-7004, Extension: 110 or 124 Fax: 508-349-5505

Date: May 26, 2015 (Amended January 14, 2020)

From: Select Board

To: Charter Review Committee

The Truro Town Voters at Annual Town Meeting 2014 and at the Election of May 2015 voted to establish a Charter Review Committee in accordance with the Truro Town Charter, Section 6-4-2. This charge was amended at the January 14, 2020 Select Board Meeting with the following:

CHARTER REVIEW COMMITTEE

The Charter Review Committee is hereby established to make recommendations for the revision or amendment of the Truro Charter, such revisions or amendments to be made in accordance with Massachusetts General Laws and the Truro Charter and bylaws.

The Purpose of the Charter Review Committee is to make such recommendations to the Select Board for possible inclusion in the warrant for the Annual Town Meeting. The committee shall hold a public hearing at least once a year to discuss sections of the Charter that may be reviewed and to hear recommendations from the public on possible Charter revisions or amendments. The committee shall vote at a public meeting on which sections of the Charter it will review.

This committee shall comprise of seven (7) members appointed by the Select Board in accordance with the Truro Town Charter, Chapter 9-9-3. The members shall have three-year staggered terms.


Janet Worthington-Chair


Robert Weinstein-Vice Chair


Kristen Reed-Clerk


Susan Areson



TOWN OF TRURO

P.O. Box 2030, Truro, MA 02666
Tel: (508) 349-7004 Fax: (508) 349-5505

Date: May 26, 2015 ~~(;~~ Amended January 14, 2020, March 21, 2023)

From: Select Board

To: Charter Review Committee

The Truro Town Voters at Annual Town Meeting 2014 and at the Election of May 2015 voted to establish a Charter Review Committee in accordance with the Truro Town Charter, Section 6-4-2. The committee is charged ~~is charge was amended at the January 14, 2020 Select Board Meeting~~ with the following:

CHARTER REVIEW COMMITTEE

The Charter Review Committee is hereby established to make recommendations for the revision or amendment of the Truro Charter, such revisions or amendments to be made in accordance with Massachusetts General Laws and the Truro Charter and bylaws.

The Purpose of the Charter Review Committee is to make such recommendations to the Select Board for possible inclusion in the warrant for the Annual Town Meeting. The committee shall take votes to recommend all Charter articles proposed for town meeting, including Charter articles submitted by multi-member bodies and petitioners, and may vote to provide comment related to the article(s). The committee shall hold a public hearing at least once a year to discuss sections of the Charter that may be reviewed and to hear recommendations from the public on possible Charter revisions or amendments. The committee shall vote at a public meeting on which sections of the Charter it will review.

This committee shall comprise ~~of~~ seven (7) members appointed by the Select Board in accordance with the Truro Town Charter, Chapter 9-9-3. The members shall have three-year staggered terms.

Kristen Reed, Chair

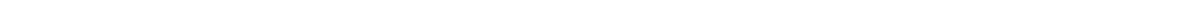
Robert Weinstein, Vice-Chair

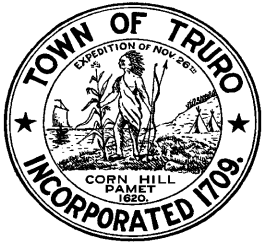
John Dundas, Clerk

Susan Areson

Stephanie Rein

Truro Select Board





TOWN OF TRURO

Select Board Agenda Item

DEPARTMENT: Administration

REQUESTOR: Darrin Tangeman, Town Manager

REQUESTED MEETING DATE: March 21, 2023

ITEM: Discussion and Possible Votes on Warrant Articles-Charter Review Committee Recommendations.

EXPLANATION: At the March 14, 2023 Select Board meeting, the Charter Review Committee proposed articles for the Select Board to adopt and include in the 2023 Annual Town Meeting Warrant. Based on the discussions at that meeting, staff prepared the following an article to change the planning board terms from 5-years to 3-years, a Charter-amendment article to add a section requiring the planning board to hold a meeting for priority-setting and review of accomplishments, and a home rule petition to change the terms of the Housing Authority from 5-years as prescribed by Massachusetts General Law to 3-years. At tonight's meeting the Board will consider which of the articles they wish to move forward to Town Meeting and in what form. At a subsequent meeting, the Board will consider charge amendments or a Select Board policy that will require appointed regulatory and/or all appointed boards to hold similar meetings for priority-setting and review of accomplishments.

Planning Board Terms

Staff researched the origin of the Planning Board term lengths and associated Massachusetts General Law and prepared the following article. It has been reviewed by Town Counsel and approved to form.

Article X: Amend Planning Board Term Lengths As Provided by MGL c.41, s.81a

To see if the Town will vote to amend the term lengths for the Planning Board from five-year terms to three-year terms, with such new term lengths to take effect beginning at the 2024 Annual Town Election ballot upon the expiration of the existing Planning Board member's terms, as allowable by MGL c.41, s.81a; or to take any other action relative thereto.

Explanation: The Planning Board and the current five-year term limits were established under MGL c41 s81 at the 1954 Annual Town Meeting, Article 24. At the recommendation of the Charter Review Committee, in an effort to standardize term lengths for all boards and committees, the Housing Authority and Planning Board term lengths were recommended to be decreased to three years. The Housing Authority five-year terms are prescribed by law. The Planning Board term lengths can be either three-years or five-years per MGL and as such, the Select Board recommends decreasing the Planning Board term lengths to three-year terms. Term lengths would not be impacted for existing Planning Board members and would only be impacted upon term expiring beginning at the 2024 Annual Town Election ballot.

Charter Amendment Article

Based on the discussion at the March 14, 2023 meeting, staff prepared an article that includes the Charter Review Committee's intent of priority-setting and accomplishments review with the Select Board's desire for standardization of language. As the Select Board is the "chief-goal setting, policy-making and long-range planning body of the Town," the word "priorities" is used for the proposed language to differentiate between the roles of the Select Board and the other bodies of the town. Staff's recommended language is for all multi-member bodies, not just the Planning Board, to hold the priority-setting and accomplishment review meetings so the proposed language also places the section prior to where multi-member bodies are separated by elected or appointed status so that it will apply to elected and appointed multi-member bodies. Staff will provide an update as to Town Counsel's review of the article if one is available at the meeting.

The Select Board's goal-setting meeting is outlined in Charter Section 4-2-11:

4-2-11 The Select Board shall annually, during the month of June, hold a meeting for the purpose of stating the Board's goals for the coming fiscal year. The Board will revisit its goals for the year concluding and review its accomplishments relative to those goals. This presentation is to be followed by a question and answer session led by the Town Moderator. All Town Officials, Department Heads and Chairpersons of multi-member bodies shall attend. The meeting and its agenda shall be advertised in one or more local papers and on the Town of Truro Website and the general public shall be invited.

The Charter Review Committee's proposed language:

In February 2023 the committee voted to recommend a Charter Amendment at 6-3-2 regarding priorities for the Planning Board. Recommendation is that Planning Board annually hold a meeting for the purpose of stating the Board's priorities for the coming fiscal year and the Board will revisit its goals for the year concluding to review its accomplishments relative to those goals. The meeting will be posted on the Town of Truro Website and the general public shall be invited for questions and answers. Passed 5-0-1 abstention.

Based on the discussions, staff prepared the following article.

Article X: Add New Charter Section 6-2-13

To see if the Town will vote to amend Section 6-2-13 of the Town Charter by adding new language as follows (new language shown **bold underline**):

6-2-13 All multi-member bodies shall annually, during the month of June, hold a meeting for the purpose of stating the body's priorities for the coming fiscal year. The body will revisit its priorities for the year concluding and review its accomplishments relative to those priorities. This presentation is to be followed by a question and answer session. The meeting and its agenda shall be advertised on the Town of Truro Website and the general public shall be invited.

or to take any other action relative thereto.

Requested by the Select Board

Explanation: This article expands on a recommendation of the Charter Review Committee, and would require all multi-member bodies hold priority-setting meetings annually to provide the public with an opportunity to learn and comment on the multi-member body's priorities and progress toward those priorities.

Housing Authority Terms

As noted at the March 14, 2023 meeting, the Housing Authority term lengths are prescribed by Massachusetts General Law c.121B, s.5. The following home rule petition is drafted by staff for the Board's consideration. Staff will provide an update as to Town Counsel's review of the article if one is available at the meeting.

Article X: Home Rule Petition Amending Housing Authority Term Lengths

To see if the Town will vote to authorize the Select Board to petition the General Court for special legislation authorizing the Town to establish three-year terms for the Truro Housing Authority as set forth below; provided, however, that the General Court may make clerical or

editorial changes of form only to said bill, unless the Select Board approves amendments thereto prior to enactment by the General Court, and provided further that the Select Board is hereby authorized to approve amendments which shall be within the scope of the general public objectives of this petition.

AN ACT AUTHORIZING
THE TOWN OF TRURO

TO ELECT HOUSING AUTHORITY MEMBERS FOR THREE-YEAR TERMS

At the Annual Town Election following the enactment of this law, as the term of a member of the housing authority expires, their successor shall be appointed or elected, in the same manner and by the same body, for a term of three years from such expiration. or to take any other action relative thereto.

Requested by the Select Board

Explanation: The Housing Authority and the current five-year term limits were established under Massachusetts General Law c.121B, s.5. At the recommendation of the Charter Review Committee, in an effort to standardize term lengths for all boards and committees, the Housing Authority and Planning Board term lengths were recommended to be decreased to three years. The Housing Authority five-year terms are prescribed by law so would require a home rule petition for special legislation authorizing the Town to establish three-year terms. Term lengths would not be impacted for existing Housing Authority members and would only be impacted upon the term expiring after enactment, if so enacted by the General Court.

FINANCIAL SOURCE (IF APPLICABLE): N/A

IMPACT IF NOT APPROVED: The Charter Review Committee's recommendations will not be included on this year's Town Meeting Warrant.

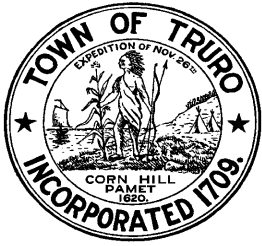
SUGGESTED ACTION:

1. *MOTION TO include Article X: Amend Planning Board Term Lengths As Provided by MGL c.41, s.81a in the 2023 Annual Town Meeting Warrant.*
2. *MOTION TO include Article X: Add New Charter Section 6-2-13 in the 2023 Annual Town Meeting Warrant.*
3. *MOTION TO include Article X: Home Rule Petition Amending Housing Authority Term Lengths in the 2023 Annual Town Meeting Warrant.*

AND, IF READY:

4. *MOTION TO recommend Article X: Amend Planning Board Term Lengths As Provided by MGL c.41, s.81a.*
5. *MOTION TO recommend Article X: Add New Charter Section 6-2-13.*
6. *MOTION TO recommend Article X: Home Rule Petition Amending Housing Authority Term Lengths.*

ATTACHMENTS: None



TOWN OF TRURO

Select Board Agenda Item

DEPARTMENT: Administration

REQUESTOR: Darrin Tangeman, Town Manager

REQUESTED MEETING DATE: March 21, 2023

ITEM: Discussion and Possible Votes on Warrant Articles-Override Articles

EXPLANATION: Staff requests Board discussion and guidance as to the override articles that should be prepared for Annual Town Meeting Warrant (and associated ballot questions). Typically, new positions and programs are brought to voters in the form of an override to permanently raise the levy beyond the allowable 2.5% percent by the amount needed to fund said positions and programs. This year, the Select Board has the following potential overrides to consider:

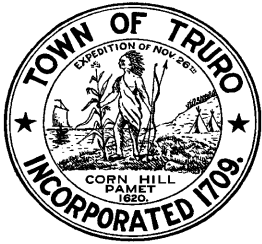
| Potential Overrides | Descriptions |
|--|--|
| School Resource Officer | New position for Truro Police Department |
| Community Sustainability Package | To include some or all of the following: Pre-K Program (Existing program not currently included in levy.) Childcare Voucher Program (Pilot programs were paid for from free cash in FY2022 and FY2023. This would make the program permanent.) Out-of-School-Time Program (New program.) Housing Coordinator (New position.) |
| Maintaining Existing Services and Adequate Wages | To address deficit of proposed budget, driven mostly by inflationary impacts, healthcare costs, wage increases, and increased capital costs. |
| ALS Transport | To bring department to adequate staffing to allow the town to perform ALS services/ambulance |

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| | transport without supplemental assistance in the future; short-term supplemental assistance |
|--|---|

Town Manager Tangeman will provide dollar values for these requests and funding options for the Board to consider. Once the Board provides direction, staff can prepare appropriate articles. The Board can take votes to recommend these articles on the March 28, 2023 meeting. Staff also requests that the Board prioritize these overrides and include the prioritization in the warrant so that the public is aware of how the Board prioritizes these needs. The Board should also determine if any of these needs should be combined in a single override and/or if any of the parts of the overrides should be deferred.

SUGGESTED ACTION: *MOTION TO direct staff to prepare override articles for {School Resource Officer; Community Sustainability; Existing Services and Adequate Wages; ALS Transport}.*

ATTACHMENTS: None



TOWN OF TRURO

Select Board Agenda Item

DEPARTMENT: Administration

REQUESTOR: Darrin Tangeman, Town Manager

REQUESTED MEETING DATE: March 21, 2023

ITEM: Discussion and Possible Votes on Warrant Articles-Petitioned Articles

EXPLANATION: Attached for review, discussion, and vote to recommend are articles from the Annual Town Meeting Warrant.

Town Counsel's review of the articles is ongoing and staff will provide an update on the status of review at the meeting. The Board may opt to consider some or all of these articles at a subsequent meeting, but it is important to be aware of the limited number of meetings available to take the votes for Town Meeting articles.

The Warrant closed for the submission of articles on February 23, 2023 at 4 pm. The deadline for financial articles was February 2, 2023.

The six petitioned articles that were submitted are included for the Board's consideration. They are:

Article X: Comprehensive Out-Of-School Program- Petitioned Article

Article X: Community Livability & Sustainability Article- Petitioned Article

Article X: Dog Restraint Regulations- Petitioned Article

Article X: Mill Pond Tidal Restoration Project- Petitioned Article

Article X: Amend Zoning Bylaw 50.2.B.2 Building Gross Floor Area for the Residential District- Petitioned Article

Article X: M.G.L. Chapter 43, Section 10; Section 5-4-2 Town Charter- Petitioned Article

The form of vote is positive, motion to recommend, and will be recorded in the warrant as # of yes votes - # of no votes - # of abstentions in favor, e.g. 5-0-0 in favor. Once the votes are completed, they will be added to the draft Warrant. Article numbers will be assigned as the

Warrant is finalized.

FINANCIAL SOURCE (IF APPLICABLE): N/A

IMPACT IF NOT APPROVED: Votes to recommend will not be included in the warrant.

SUGGESTED ACTION: *Motion to recommend {insert article title here} as printed.*

ATTACHMENTS:

1. Citizen Petitioned Articles

PETITIONED ARTICLES

Article X: Comprehensive Out-Of-School Program- Petitioned Article

To see if the Town will vote to raise and appropriate, borrow, and/or transfer from available funds the sum of \$400,000 to pay the costs of funding and establishing a comprehensive Out-of-School Program, provided the appropriate of said funds shall be contingent on a proposition 2.5 override.

The Program shall provide services before school, after school, on vacation days, and during summer vacation for students enrolled at Truro Central School starting with the 2023-2024 school year;

The administration of this Program and the associated funds shall be overseen by the Select Board or their designee. The Program may be subcontracted via an RFP process to an outside organization at the discretion of the Select Board or their designee;

or take any other action relative thereto.

Requested by Citizen Petition

Select Board Comment: This article was submitted by petition for consideration at Town Meeting.

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| Finance Committee Recommendation | | | |
| Select Board Recommendation | | | |

Article X: Community Livability & Sustainability Article- Petitioned Article

To see if the Town will vote to raise and appropriate, borrow, and/or transfer from available funds the sum of up to \$782,500 to pay for the costs of funding and establishing the following three Ites to increase community sustainability, provided the appropriation of said funds may be contingent on a proposition 2.5 override:

Item #1— Comprehensive Out of School Program (“COSP”)

The COSP shall provide up to \$400,000 for Out-of-School services before school, after school, on vacation days, and during summer vacation for students enrolled at Truro Central School starting with the 2023-2024 school year;

Item #2— Childcare Voucher Program (“CVP”)

The CVP shall pay up to \$300,000 for the costs of funding a voucher system for eligible children, as outlined below, aged birth through 4 years old to attend a state-licensed child care and/or state-licensed PreK program, including any administrative fees associated wit the CVP. Eligible children may receive a maximum of \$7,500 per year in direct-to-provide voucher support. Additionally, eligible children shall be those that cannot be accommodated in the Truro Central School PreK Program for any reason. Eligible children under the CVP shall be from any one of the following categories: 1) Children of Truro residents, 2) Children of Town of Truro employees, 3) Children of employees employed by a business for at least 20hrs per week with a physical location in the Town of Truro;

The administration of Items #1 and the associated funds shall be overseen by the Select Board or their designee. The Items identified above may be subcontracted for management individually or collectively via an RFP process to an outside organization(s) at the discretion of the Select Board or their designee;

Item #3— Housing Coordinator Position

And further, to see if the Town will vote to fund a new Housing Coordinator position at a cost of up to \$82,500 annually; and therefore amend the Personnel Bylaw by adding “Housing Coordinator” as a new full-time position effective July 1, 2023 and to amend Article XII – Classification/Compensation Schedules by adding “Housing Coordinator” to the “Grade 5 section;

or take any other action relative thereto.

Requested by Citizen Petition

Select Board Comment: This article was submitted by petition for consideration at Town Meeting.

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| Finance Committee Recommendation | | | |
| Select Board Recommendation | | | |

Article X: Dog Restraint Regulations- Petitioned Article

In the spirit of protecting pedestrians, bicyclists, and any other persons within the boundaries of the Town of Truro, Massachusetts, from unrestrained dogs, it is deemed necessary to articulate and define new regulations; existing regulations are vague and unclear, and offer no mention of the rights of individuals to be protected from dogs. Better and more articulate expression of regulations pertaining to the restraint of dogs may offer more protection to individuals being approached by dogs, and better immunity for the Town of Truro from lawsuits resulting from the activity of unrestrained dogs. Even dogs generally considered “not dangerous” may contact humans and thus transmit COVID, or other diseases. There is a real need for individuals to be protected from unrestrained dogs on beaches, along roadways, within business locations, in town-owned locations, and everywhere within the boundaries of the Town of Truro.

PROPOSED REGULATION:

- A. Any person within the boundaries of the Town of Truro, Massachusetts, whether on a beach, walking, bicycling, in a business location, on town-owned property, or anywhere else within the Town of Truro, may demand that a dog be kept at 20 foot distance from that person. The dog must be attached to a leash, with the dog-owner or supervisor securely and effectively holding the other end of the leash so as to restrain the dog, unless the dog is in some other way effectively restrained, such as being inside a car, or on the dog-owner’s property and behind a fence. If a dog approaches an individual who desires it to be kept at a distance, the approached individual may use any means necessary to stop the dog.
- B. Individuals suffering the approach of any unrestrained dog may register a complaint at the Truro Safety Facility/Police Station and expect that the dog-owner will be contacted, if there is enough information to do so. The dog-owner will be subject to a schedule of warnings, fines, and other penalties as deemed appropriate by the Town of Truro.
or take any other action relative thereto.

Requested by Citizen Petition

Select Board Comment: This article was submitted by petition for consideration at Town Meeting.

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| Select Board Recommendation | | | |
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Article X: Mill Pond Tidal Restoration Project- Petitioned Article

To see if the Town will vote to send a non-binding resolution to the Select Board that any repair or replacement of the Mill Pond Road culvert will not permanently close/abandon Mill Pond Road to vehicular traffic.

Requested by Citizen Petition

Petitioner’s Explanation: The engineering consultant Fuss & O’Neill, Inc. in collaboration with Woods Hole Group provided a report entitled “Mill Pond Salt Marsh Restoration Alternatives Assessment Technical Memorandum” dated June 2022 to the Town of Turo. Four alternatives were presented in the report, all designed to allow for an improved salt marsh. The February 2023 recommendation to the Select Board by Department of Public Works Director Jarrod Cabral is “[t]o permanently close Mill Pond Road and install a 95-foot breach with a 10-foot-wide [sic] inner channel...”. This is the most impactful choice and the town has given little or no consideration to the other alternatives. The recommendation to permanently close Mill Pond Road affects a large number of residents of the Town of Truro.

Select Board Comment: This article was submitted by petition for consideration at Town Meeting.

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| Select Board Recommendation | | | |
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TWO-THIRDS VOTE

Article X: Amend Zoning Bylaw 50.2.B.2 Building Gross Floor Area for the Residential District- Petitioned Article

To see if the Town will vote to amend Section 50.2.B.2 Building Gross Floor Area for the Residential District of the Zoning Bylaw by deleting the language in ~~strikethrough~~, revising the **bold underlined** wording and enumerating the Bylaw correctly accordingly.

Section 50.2.B.2 Building Gross Floor Area for the Residential District

~~2. Special Permit to exceed the Total Gross Floor Area limit: The Total Gross Floor Area limit for a dwelling and accessory buildings on a lot established in subsection 50.2.B.1 may be exceeded, up to a maximum established by this subsection, by Special Permit, as provided in 50.2.C and 50.2.D. No Special Permit may be issued for any construction if the construction would result in the Total Gross Floor Area exceeding 4,600 sq. ft. for a Residential District Minimum Lot Size of 33,750 sq. ft. (or .775 acre) and prorated to 4,668 sq. ft. for one acre of land:~~

- 2. Special Permit to exceed the Total Gross Floor Area limit:**
 - a. Plus 300 sq. ft. for each additional contiguous acre of land, or fraction thereof prorated.**
 - b. For lot size less than one acre, the square foot shall be reduced by 150 sq. ft. for each half acre or fraction thereof prorated.**
 - c. Plus a Planning Board Approved Accessory Dwelling Unit of up to 1,000 sq. ft.**

or take any other action relative thereto.

Requested by Citizen Petition

Select Board Comment: This article was submitted by petition for consideration at Town Meeting.

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| Planning Board Recommendation | | | |
| Select Board Recommendation | | | |

TWO-THIRDS VOTE

Article X: M.G.L. Chapter 43, Section 10; Section 5-4-2 Town Charter- Petitioned Article

To see if the Town will vote pursuant to G.L. c.43, §10 to amend Section 5-4-2 of the Town Charter as set forth below with **bold underline** text to be inserted:

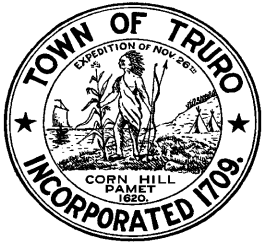
5-4-2 After consultation with the Select Board, the Town Manager shall appoint all Department Heads, which are those positions reporting irectly to the Town Manager. **The Town Manager shall appoint the Library Director after consultation with the Board of Library Trustees.** All such appointments shall be subject to disapproval by a majority vote of the Select Board provided that such vote is taken prior to the date of the offer. This section does not apply to appointment authority granted to the Select Board in accordance with section 4-3-1 of this Charter.”

Requested by Citizen Petition

Petitioner’s Explanation: At the 2016 Annual Town Meeting, a change was made to Section 5-4-2 of the Town Charter deleting a list of Department Heads appointed by the Town Administrator (this language pre-dates the change to Town Manager) that did not include the Library Director. Language was changed to put the Town Manager in a position to appoint ALL Department Heads except for those appointed by the Select Board, thus excluding the Board of Library Trustees from the process of selecting a Library Director. The Trustees provide a vital link from the community to the Library that has led to a responsive, much-respected Library in Truro. The Town Manager and Trustees working in collaboration is the best of both worlds. We are asking that the Charter reflect the governance of the Library as has been the case for more than 100 years in Truro, with the Town handling the human resources end of the hiring, budget, and salaries, and the Trustees governing certain functions of the Library. The Library is a critical institution in our Town and we want to protect its independence for the future, keeping it responsive to the community.

Select Board Comment: This article was submitted by petition for consideration at Town Meeting.

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| Charter Review Committee Recommendation | | | |
| Select Board Recommendation | | | |



TOWN OF TRURO

Select Board Agenda Item

DEPARTMENT: Administration

REQUESTOR: Darrin Tangeman, Town Manager

REQUESTED MEETING DATE: March 21, 2023

ITEM: Discussion and Possible Votes on Warrant Articles-Zoning Articles

EXPLANATION: Attached for review, discussion, and vote to recommend are articles from the Annual Town Meeting Warrant.

Town Counsel's review of the articles is ongoing and staff will provide an update on the status of review at the meeting. The Board may opt to consider some or all of these articles at a subsequent meeting, but it is important to be aware of the limited number of meetings available to take the votes for Town Meeting articles.

The Warrant closed for the submission of articles on February 23, 2023 at 4 pm. The deadline for financial articles was February 2, 2023. Two Zoning Bylaw amendment articles are included for consideration to vote to recommend at this evening's meeting. They will require 2/3 vote at Town Meeting to pass. A third Zoning Bylaw amendment article was submitted as a citizen petition and is included in the previous agenda item. All three articles were referred to the Planning Board by the Select Board at the March 7, 2023 meeting and will be discussed at the May 29, 2023 public hearing hosted by the Planning Board.

The form of vote is positive, motion to recommend, and will be recorded in the warrant as # of yes votes - # of no votes - # of abstentions in favor, e.g. 5-0-0 in favor. Once the votes are completed, they will be added to the draft Warrant. Article numbers will be assigned as the Warrant is finalized.

FINANCIAL SOURCE (IF APPLICABLE): N/A

IMPACT IF NOT APPROVED: Votes to recommend will not be included in the warrant.

SUGGESTED ACTION: *Motion to recommend {insert article title here} as printed.*

ATTACHMENTS:

1. Zoning Bylaw Amendment Articles

ZONING BYLAW ARTICLES

TWO-THIRDS VOTE

Article X: Amend Zoning Bylaw §10.4 Definitions – Street Definition and add new Bylaw §30.11 regulating Streets and Frontage

To see if the Town will vote to modify the Zoning Bylaw by amending Section 10.4 Definitions and adding new Section 30.11 Streets and Frontage by deleting the language in ~~strike through~~, adding the **bold underlined** wording and enumerate the street definition and frontage bylaws accordingly.

§10.4 Definitions

~~*Street: A public or private way which affords access to abutting property. For the purposes of this bylaw, the terms “street”, “road”, “way” and “right-of-way” bear the same meaning. When a street(s) is to be used for lot frontage, the street(s) shall conform to the requirements of the Town of Truro Subdivision Regulations, Section IV, Design Standards, (b), (c) and (d) as they existed on January 1, 1989. Street(s) shall have a centerline length in excess of 100 feet. For dead end street(s), this distance shall be measured from the sideline of the layout of the road to be intersected to the opposite end of the layout of the turnaround cul-de-sac. Town of Truro paved streets that: (1) have a minimum layout width of 20 feet, (2) were created prior to January 1, 1989 and (3) were accepted by Truro Town Meeting, are exempt from the width requirements of the Town of Truro Subdivision Regulations, Section IV, Design Standards. These accepted public paved ways shall be deemed adequate as frontage for the issuance of building permits. The list of accepted public paved ways is available from the Town of Truro Town Clerk upon request.*~~

Street: A private or public way by which vehicles and pedestrians can safely gain access to and egress from homes, places of business and other locations. For the purposes of this bylaw, the terms “street” and “road” bear the same meaning.

Travelway: the portion of a road layout designed for vehicular travel; the traveled portion of the way. For the purposes of this bylaw, the terms “Travelway” and “Traveled Way” bear the same meaning.

Roadway: refers to an existing way not yet classified as a “Street”, including the travelway and associated right-of-way on either side of the travelway.

Section 30.11 Streets and Frontage

A. Purpose:

- 1. It is the intent of this section to provide the minimum requirements for existing roadways to qualify as “Streets” in order to serve as frontage**

for the purposes of obtaining a building permit. A list of roadways qualified as "Streets" is to be maintained by the Town Clerk.

2. All roadways submitted to the Town for qualification as "Streets" must satisfy the requirements and application process enumerated in paragraphs C through F below, except as otherwise noted.

B. Ways Qualified as "Streets":

1. All Town of Truro paved public ways with a 20' minimum Right of Way width, created prior to January 1989, that have been accepted by the Truro Town Meeting and that the Town Clerk certifies are maintained and used as a public way.
2. All State roads, designated and maintained by the Commonwealth of Massachusetts.
3. A way that has been approved by the Planning Board, constructed in accordance with its subdivision plan and its associated covenants at the time of its approval and recorded at the Barnstable County Registry of Deeds.

C. Prerequisite Qualifications: these criteria are required of all roadways applying for status as "Streets":

1. The roadway shall have a smooth graded or paved surface free of ruts, potholes or other impediments to vehicular travel to the extent that a passenger car can negotiate the road safely at a continuous speed of at least 10 mph.
2. Public Safety Clearances: In order to provide safe passage for safety and emergency vehicles roadways submitted for approval as "Streets" must satisfy the following minimum clearance requirements (See Truro General Bylaws, Chapter 1, Section 1-9-13.):
 - a. The traveled way of any street shall be no less than eight (8) feet wide.
 - b. The combined traveled way and clearance of any obstacles including vegetation shall be no less than fourteen (14) feet.
 - c. Height clearance shall be no less than fourteen (14) feet from the road surface.
3. Right-of-way location and width:
 - a. Roadways that have their right-of-ways defined as a single line crossing (dividing) one lot are not eligible for classification as "Streets".
 - b. Utility Panels: The minimum right-of-way width shall be the width of the clear travelway (for paved roads, this dimension to be taken as outside of curb to outside of curb), plus a five (5) foot wide utility panel outboard of the travelway on each side of the travelway. Where site conditions preclude a utility panel on one side of the road,

the application may include a request to the Planning Board for acceptance of a utility panel on only one side of the travelway.

4. Roadways Ineligible for Street status:

- a. **Roadways (or portions thereof) wholly or partially within FEMA flood zones AE, A0, A1-30, V, VE, or V1-30.**
- b. **Roadways (or portions thereof) designated as "Low Lying Roads" by the Cape Cod Commission.**

D. Pre-Submission Review:

1. **Pre-Submission Review: Prior to submitting a completed application for Street status applicants may find it useful to review the proposed Street with the Planning Board to review general details and potential problems informally. Pencil sketches and other photos or illustrations, which need not be professionally prepared, will assist the informal discussion. A pre-submission review is strictly a voluntary procedure left to the discretion of the applicant and has no legal status.**

E. Application Requirements:

1. **A completed Street Certification Application form.**
 - a. **The application shall clearly stipulate whether the determination is for the entire length of the roadway or the roadway up to and including a specific lot located on said roadway. The specific lot shall be identified by both location address and Town Assessor's office tax map/parcel number(s).**
 - b. **Applications shall include the identification of the street the roadway connects to. Roadways seeking "Street" status must be connected to previously approved street(s), that is, newly approved "Streets" cannot be isolated from other Streets and accessible only by ways that do not have Street status.**
 - c. **The application shall include a survey plan of the roadway and a centerline profile of the travelway, beginning from the connection point to the existing street(s). The plan shall have fully defined right-of-way boundaries capable of being fully established and identified in the field by survey. Field survey of the right-of-way shall be conducted at the applicant's expense and a survey plan stamped by a licensed Land Surveyor shall be submitted as part of the application.**
 - d. **The field survey requirement in paragraph E.1.c above may be waived if: a) the roadway is already part of a subdivision plan previously approved by the Planning**

- Board that meets all the requirements of Section 30.11, b) is stamped by a Registered Land Surveyor and c) is recorded at the Barnstable County Registry of Deeds.**
- e. **The application shall contain a roadway maintenance plan. The maintenance plan shall describe the nature and frequency of maintenance, the lot owner(s) financially responsible for this maintenance and how this cost will be shared. The plan shall bear the signatures of said lot owners. (This plan shall be included within the recorded plan and a signed copy of the maintenance plan shall be recorded as part of the covenant.)**
- f. **Future Development Considerations: The following information shall be required as part of all Street applications and shall be sufficient, in the judgement of the Planning Board, to allow the Board to assess the potential for future development that could potentially impact future traffic volume on the applied-for Street section.**
1. **Inventory: The application shall include a list all lots with frontage on the proposed street including: current owner, address, acreage, frontage length and tax map parcel number.**
 2. **Applications for Street status involving only a partial length of a roadway shall include an inventory (per paragraph E.1.f.1 above) of all lots that can only be accessed via the roadway in question, including all lots located beyond the limits of the Street application.**
- g. **Newly approved "Street" status of a roadway does not relieve the existing lot(s) from any further requirements of either Massachusetts General Law or the Truro Zoning Bylaw (as amended).**

F. Approval Process:

Upon receipt of an application to grant Street status to an existing roadway the Planning Board shall make a determination of the adequacy of a street using the procedure outlined below:

1. **Upon the filing of a completed application and prior to the public hearing said application shall be transmitted to the Fire Department, Police Department, Department of Public Works and the Building Commissioner. The Planning Board may optionally solicit additional comment from other Town Boards and Departments as it deems appropriate. Each of these departments shall conduct an on-site review of existing roadway conditions and shall have a period of 14 days from**

- the date of the request to submit a written report of their findings, including any public safety concerns, to the Planning Board.
2. Prior to the opening of the public hearing, the Planning Board members shall make an on-site visit of the roadway under consideration for "Street" status.
 3. Prior to the opening of the public hearing, the applicant shall show proof to the Planning Board that all parties who have a share of the ownership of the land beneath the roadway or frontage upon said roadway under consideration have been notified by certified mail.
 4. Public Hearing – The Planning Board shall hold a duly noticed public hearing within forty-five (45) days of receipt of a completed application requesting the upgrade of a roadway to "Street" status. Notice shall be made no less than fourteen (14) days prior to the scheduled public hearing via regular first class mail to all the owners of properties abutting said roadway.
 5. Requirements – The applicant shall show to the satisfaction of the Planning Board that the travelway has sufficient width, suitable grades, geometry and construction and is in serviceable condition to provide access for emergency vehicles as well as safe travel and adequate circulation in order to be classified as a "Street".
 6. Review Criteria: The Planning Board shall first review the application for completeness and the comments of the Town officials. In its evaluation of the roadway, the Planning Board may optionally refer to and may utilize existing road standards as outlined in the Town of Truro Rules and Regulations Governing the Subdivision of Land (as amended) and the Town of Truro General Bylaws (as amended) as guidelines. This review may include the need for guardrails, turn-outs, pavement on steep road sections, a material upgrade of the road surface in questionable terrain, provisions for drainage, etc. as necessary to insure the safety of the residents of the abutting lots of the newly approved "Street". Such required improvements should precede "Street" status final approval or be secured by an appropriate performance guarantee per sections 2.5.4. through 2.5.7. of the Town of Truro Rules and Regulations Governing the Subdivision of Land (as amended).

G. Decision:

1. By a majority vote of the Planning Board, the petition for roadway "Street" status may be approved. The approval decision shall contain the required plan(s) and the associated covenants including the required maintenance agreement and any other stipulations the Board deems necessary.
2. The Planning Board's Decision with findings on the determination of the adequacy of the roadway shall be filed with the Town Clerk within 30 days after the close of the hearing.

3. **Any denial of "Street" status shall be accompanied by findings of fact supporting the Planning Board's decision.**
4. **Appeal:**
 - a. **Any appeal from the decision must be filed with the Truro Zoning Board of Appeals within thirty (30) days from the date of filing with the Truro Town Clerk.**
 - b. **Any further appeal shall be conducted per the provisions of Massachusetts General Laws Chapter 40A, Section 17.**

H. Recording:

1. **It shall be the responsibility of the applicant to obtain a true attested copy of the decision from the Town Clerk after the thirty (30) day appeal period has lapsed or after all further appeals have been denied or dismissed. The applicant shall be responsible for recording the "Street" status decision at the Barnstable Registry of Deeds or Land Court, as applicable. Prior to the issuance of a building permit, the applicant shall present evidence of such recording to the Building Commissioner, the Truro Town Clerk, and the Truro Planning Board. The Town Clerk shall keep and maintain a list of all ways qualified as "Streets".**

or to take any other action relative thereto.

Requested by the Planning Board

Planning Board Comment:

Select Board Comment:

| | | | |
|-------------------------------|--|--|--|
| Planning Board Recommendation | | | |
| Select Board Recommendation | | | |

Article X: Amend Zoning Bylaw §40.1 Duplex Houses and Apartments; and §30.2 Use Table

To see if the Town will vote to amend Section 40.1, Duplex Houses and Apartments, of the Zoning Bylaw by deleting the language in ~~strike through~~, adding the **bold underlined** wording and enumerate the bylaw correctly accordingly.

§ 40.1 Duplex Houses and Apartments

- A. Purpose. For the purpose of promoting the more efficient use of land, in keeping with the protection of the quality of life and ecology, and at the same time giving relief to those with problems of obtaining adequate housing, **duplexes may be created by Right** ~~the Board of Appeals (or Planning Board?) may approve a special permit authorizing the~~ **through** new construction of duplex houses or the conversion of single family dwellings to **2** apartments, consistent with the following conditions.
- B. **These structure, either new or conversion, are allowed in all districts except: Beach Point and Seashore District**
- C. ~~B-New~~ Construction. Lots ~~of one acre~~ **meeting minimum lot size of 33,750 sq ft.** or more are required for new construction; the **total size of the duplex structure** shall not exceed 3,6000 sq. ft **Gross Floor Area (definition in 10.1).**; the requirements of paragraph D shall be met.
- D. ~~€~~ Conversion. Conversion of single family dwellings **in any zoning district except the Seashore District and Beach Point** ~~and the Water Resource Protection District may be approved by special permit from the Board of Appeals (or Planning Board?).~~ Lots shall meet current minimum lot area requirements; no more than one apartment in addition to the primary dwelling unit may be created from any one single family dwelling; ~~the floor area of the secondary dwelling unit shall not exceed 50% of that of the primary dwelling unit; the floor area of the secondary dwelling unit shall not exceed 600 sq. ft.~~
- E. ~~D-~~ Requirements. All new construction or conversions shall comply with the following.
 - 1. All applicable provisions of the building, health and safety codes, as determined by the Building Commissioner and Board of Health shall be met.
 - 2. **One unit shall have a 12 month lease.**
 - 3. **One unit shall either be owner occupied or have a 12 month lease.**
 - 4. **There shall be no rentals of less than 8 months of either unit.**
 - 5. ~~The applicant shall demonstrate that the new construction or conversion is essential to provide needed housing.~~
 - 6. ~~The new construction or conversion is compatible with and will not derogate from or be detrimental to the neighborhood.~~
 - 5. **The building conforms to** Section 50, Area and Height regulations of this bylaw.
 - 6. ~~8.~~ The use is in harmony with the general purpose and intent of the bylaw.

And to amend the Principal Uses table in §30.2 as follows:

| PRINCIPAL USES | | | | | | | |
|--------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | R | BP | NT6A | TC | NTC | Rt6 | S |
| RESIDENTIAL | | | | | | | |
| Cottage or cabin colony, motor court | N | P | N | N | P | P | N |
| <u>Duplex</u> | <u>P</u> | <u>N</u> | <u>P</u> | <u>P</u> | <u>P</u> | <u>P</u> | <u>N</u> |
| Hotel | N | N | N | N | P | P | N |
| Motel | N | P | N | N | P | P | N |
| Single family dwelling (9) | P | P | P | P | P | P | P (10) |

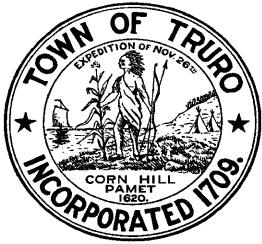
or to take any other action relative thereto.

Requested by the Planning Board

Planning Board Comment:

Select Board Comment:

| | | | |
|-------------------------------|--|--|--|
| Planning Board Recommendation | | | |
| Select Board Recommendation | | | |



TOWN OF TRURO

Select Board Agenda Item

DEPARTMENT: Administration

REQUESTOR: Darrin Tangeman, Town Manager

REQUESTED MEETING DATE: March 21, 2023

ITEM: Discussion and Possible Votes on Warrant Articles-All Other

EXPLANATION: Attached for review, discussion, and vote to recommend are articles from the Annual Town Meeting Warrant.

Town Counsel's review of the articles is ongoing and staff will provide an update on the status of review at the meeting. The Board may opt to consider some or all of these articles at a subsequent meeting, but it is important to be aware of the limited number of meetings available to take the votes for Town Meeting articles.

The Warrant closed for the submission of articles on February 23, 2023 at 4 pm. The deadline for financial articles was February 2, 2023. The following articles are included for consideration to vote to recommend at this evening's meeting:

- Article X: Amend General Bylaws 7-2: Community Preservation Committee: Administration
- Article X: Amend General Bylaws, Chapter IX Energy Code
- Article X: Community Preservation Act: Edgewood Farm Barn Chimneys and Cupola Preservation
- Article X: Community Preservation Act: Bunker Cottage/Corn Hill Boathouse Historic Preservation
- Article X: Community Preservation Act: Open Space Reserve
- Article X: Amend Personnel Bylaw 8.1 Holidays
- Article X: Accept Provisions of MGL Chapter 40 Section 5F – Creation of a Receipts Reserve for Ambulance Fund

The form of vote is positive, motion to recommend, and will be recorded in the warrant as # of yes votes - # of no votes - # of abstentions in favor, e.g. 5-0-0 in favor. Once the votes are completed, they will be added to the draft Warrant. Article numbers will be assigned as the Warrant is finalized.

The draft Town Meeting Articles list is also included, and the Board may wish to discuss or provide guidance to staff on any of the articles listed or articles that should be listed.

FINANCIAL SOURCE (IF APPLICABLE): N/A

IMPACT IF NOT APPROVED: Votes to recommend will not be included in the warrant.

SUGGESTED ACTION: *Motion to recommend {insert article title here} as printed.*

ATTACHMENTS:

GENERAL BYLAW ARTICLES

Article X: Amend General Bylaws 7-2: Community Preservation Committee: Administration

To see if the Town will vote to amend the Chapter 7, Section 2 (b) of the General Bylaws of the Town of Truro by adding new language as follows (new language shown **bold underline**) and deleting the language in ~~strike-through~~:

*(b) In every fiscal year, the CPC must recommend that the Annual or special Town Meeting either spend, or set aside for later spending, not less than 10% of the annual revenues in the Community Preservation Fund for open space (not including land for recreational use); not less than 10% of the annual revenues in the Community Preservation Fund for historic resources; and not less than ~~10%~~ **60%** of the annual revenues in the Community Preservation Fund for community housing. (4/06)*

With respect to community housing, the CPC shall recommend, wherever possible, the reuse of existing buildings, or construction of new buildings, on previously developed sites.

The CPC may include in its recommendation(s) to the Annual or special Town Meeting a recommendation to set aside, for later spending, funds for specific purposes that are consistent with community preservation but for which sufficient revenues are not then available in the Community Preservation Fund to accomplish that specific purpose, or to set aside, for later spending, funds for general purposes that are consistent with community preservation. (4/06)

The CPC allocation recommendation to the Annual or special Town Meeting must account for 100% of all annual revenues and revenues previously set aside, and shall be in the form of an Article in the Warrant, for Town Meeting consideration.

And further to authorize the Select Board to file a home rule petition to effectuate the intent of the proposed bylaw amendment, if necessary; or to take any other action relative thereto.

Requested by the Truro Housing Authority

Explanation: The unique characteristics of Truro's restricted land base, its low wage seasonal economy, and the attractiveness of its housing for seasonal use, are steadily eroding the town's capacity to sustain itself on a year-round basis. The community-housing problem is long-standing and is inherent in these conditions. There are no easy solutions. What is needed is to bring, is a sense of urgency; a common commitment to do whatever is needed to sustain a viable, diverse year-round community; and the steady commitment to increasing the stock of housing that serves the needs of the community. One of the critical aspects of that commitment is to provide adequate funding to accomplish these goals.

One of the primary sources of funding of housing initiatives in Truro are funds from the Community Preservation Act. The Community Preservation Act (the “CPA” MGL C.44B) was enacted by state legislators allowing any town in the Commonwealth to adopt a property tax surcharge of up to 3%, the revenues from which, along with any matching state funds, could be directed to open space and recreation, community housing, and historic preservation. Current restrictions provide that 10% of CPA funds be dedicated to community housing initiatives, 10% for historic preservation initiatives, 10% for open space/recreation initiatives and the remaining 70% undesignated and available for any category. While flexibility currently exists in utilizing 70% of CPA funds, there is no further mandate to specifically target housing needs. In the neighboring town of Provincetown a bylaw was adopted in 2014 that directs that 60% of CPA funds target community housing with 10% for historic preservation and 10% for open space/recreation with the remaining 20% of CPA funds be undesignated and available for any category including administration. It is our recommendation that the Town of Truro do the same. The Truro Housing Authority proposes this amendment to the General Bylaws that would mandate that a minimum of 60% of the available CPA funds be used to support Community Housing.

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| Finance Committee Recommendation | | | |
| Select Board Recommendation | | | |

Article X: Amend General Bylaws, Chapter IX Energy Code

To see if the Town will vote to replace Chapter IX of the Town of Truro General Bylaws, entitled “Stretch Energy Code” with “Specialized Energy Code” for the purpose of regulating the design and construction of buildings for the effective use of energy and reduction of greenhouse gas emissions, pursuant to 225 CMR 22 and 23 including Appendices RC and CC, including future editions, amendments or modifications thereto, with an effective date of January 1, 2024, a copy of which is on file with the Town Clerk, or take any other action relative thereto.

Requested by the Energy Committee and Climate Action Committee

Explanation: The Town voted at the 2022 Annual Town meeting to adopt Article 53 “to have the Select Board charge the Climate Action Committee and Energy Committee to work with other pertinent Town committees to define a Carbon Net Zero standard for new construction and deliver that standard for approval to Town Meeting.”

The Specialized Energy Code, written by the Massachusetts Department of Energy Resources (DOER), defines Net-zero Building as:

A building which is consistent with achievement of MA 2050 net zero emissions, through a combination of highly energy efficient design together with being an all-electric or Zero Energy Building, or where fossil fuels are utilized, a building fully pre-wired for future electrification and that generates solar power on-site from the available Potential Solar Zone Area.

Since that vote, the updated Stretch Energy Code, which is mandatory for Green Communities like Truro, and the Specialized Energy Code were written by DOER, as per the 2021 Climate Law, AN ACT CREATING A NEXT-GENERATION ROADMAP FOR MASSACHUSETTS CLIMATE POLICY.

The Committees have been participating in the Specialized Energy Code discussions with DOER and believe that the resulting Specialized Energy Code will meet the Net Zero goals of Truro voters for new construction and large additions to dwellings over 1,000 sq ft or over 100% of the existing conditioned floor area, while providing a cost-effective means to doing so. By adopting this standardized state code, the Town should have access to state resources for education and implementation assistance.

One example of meeting the Specialized Energy Code is to follow the Passive House Pathway which ensures an energy efficient building. The Cloverleaf Developer reviewed the Passive House Pathway in the Specialized code, found it to be cost effective, and adopted it.

225 CMR (Code of Massachusetts Regulations) 22 and 23 in combination form the Stretch Code – and must be adopted together and not in part. Municipalities may also elect to adopt the

combination of Appendix RC of 225 CMR 22 (Residential Code for Low rise residential) and Appendix CC of 225 CMR 23 (Commercial Code for all other buildings) which together form the Municipal Opt-in Specialized code (Specialized Code).

Per the Massachusetts Municipal Association, the Specialized Municipal Opt-in Code includes net-zero building performance standards and is designed to achieve state greenhouse gas emission limits and sublimits. This code is expected to help Massachusetts meet its goal of 50% greenhouse gas emissions reduction from the 1990 baseline levels by 2030.

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|---|---|---|---|
| Energy Committee Recommendation | 5 | 0 | 0 |
| Climate Action Committee Recommendation | 3 | 0 | 0 |
| Select Board Recommendation | | | |

Article X: Community Preservation Act: Edgewood Farm Barn Chimneys and Cupola Preservation

(Historical Preservation)

To see if the Town will vote to appropriate the sum of Thirty-six Thousand, Seven Hundred dollars and no cents (\$36,700.00) from Projected Fiscal Year 2024 Community Preservation Act Surcharge Revenue, to restore the chimneys and cupola on the barn at Edgewood Farm, 3 Edgewood Way, for the Truro Center for the Arts at Castle Hill, and to enter into a grant agreement to set forth the terms and conditions thereof, or take any other action relative thereto.

Requested by the Truro Center for the Arts at Castle Hill

Explanation: Two chimneys on the historic barn roof need to be repointed and have their flashing restored. The cupola between the chimneys has deteriorated and needs restoration.

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| Community Preservation Committee Recommendation | 7 | 0 | 0 |
| Finance Committee Recommendation | | | |
| Select Board Recommendation | | | |

**Article X: Community Preservation Act: Bunker Cottage/Corn Hill Boathouse
Historic Preservation**

(Historical Preservation)

To see if the Town will vote to appropriate the sum of Thirteen Thousand, Seventy-five dollars and no cents (\$13,075.00) from Projected Fiscal Year 2024 Community Preservation Act Surcharge Revenue, to remove the chimney and restore the roof of the historic Bunker Cottage/Corn Hill Boathouse, located at 42 Corn Hill Rd., for the Truro Conservation Trust and Truro Center for the Arts at Castle Hill, and to enter into a grant agreement to set forth the terms and conditions thereof, or take any other action relative thereto.

Requested by the Truro Conservation Trust & Truro Center for the Arts at Castle Hill

Explanation: The chimney has deteriorated, making it a safety concern. Removal of the chimney returns the building to its historic configuration and necessitates restoration of the affected interior and exterior areas.

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|---|---|---|---|
| Community Preservation Committee Recommendation | 7 | 0 | 0 |
| Finance Committee Recommendation | | | |
| Select Board Recommendation | | | |

Article X: Community Preservation Act: Open Space Reserve

(Open Space)

To see if the Town will vote to appropriate the sum of Seventy-two thousand, Six Hundred Eighty-nine dollars and no cents (\$72,689.00) from Projected Community Preservation Act Surcharge Revenue to reserve for the purpose of Open Space, or take any other action relative thereto.

Requested by Community Preservation Committee

Explanation: The Community Preservation Act and the Truro Community Preservation Bylaws require 10% of the projected Community Preservation Act surcharge revenue be used for Open Space. Since there is no Open Space project request for Fiscal Year 2024, the money will remain in reserve for future use.

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| Community Preservation Committee Recommendation | | | |
| Finance Committee Recommendation | | | |
| Select Board Recommendation | | | |

PERSONNEL BYLAW ARTICLES

Article X: Amend Personnel Bylaw 8.1 Holidays

To see if the Town will vote to amend Section 8.1 of the Town of Truro Personnel Bylaw as set forth below, with ~~striketrough~~ text to be deleted and **bold underlined** text to be inserted and the holidays to be listed in order of when they occur throughout the calendar year:

Section 8.1 Employees Entitled to Holidays With Pay - On the holidays listed in the Article, all hourly permanent full-time employees shall receive one day at straight time pay. Permanent part-time employees will be paid for the hours scheduled to be worked; and exempted employees will be granted the time off with their compensation recognized as being included in their annual salaries, for the following legal holidays:

New Year's Day

Martin Luther King Day

Presidents' Day

Patriots' Day

Memorial Day

Juneteenth

Independence Day

Labor Day

Columbus Day

Veterans Day

Thanksgiving Day

Friday after Thanksgiving

Christmas Eve

Christmas Day

New Year's Eve

Should any of the listed holidays fall on a Saturday, the preceding Friday would be observed. If the holiday falls on a Sunday, then the following Monday would be observed. If Christmas Day/New Year's Day fall on a Monday, Christmas Eve/New Year's Eve may be banked for future use on a date prior to the end of the fiscal year with appropriate Department Head/Town Manager approval. State-mandate, alternative, celebration dates supersede this paragraph.

or to take any other action relative thereto.

Requested by the Town Manager

Explanation: In July 2020, Juneteenth (June 19th) was signed into Massachusetts law as a state holiday. This article proposes to memorialize Juneteenth in the list of holidays in Section 8.1 of the Personnel Bylaw and to re-order the list of holidays so that they appear in the order in which they occur within the calendar year.

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| Select Board Recommendation | | | |
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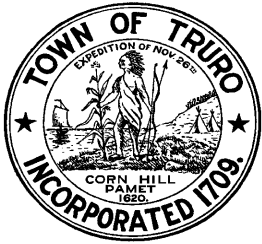
Article X: Accept Provisions of MGL Chapter 40 Section 5F – Creation of a Receipts Reserve for Ambulance Fund

To see if the Town will vote pursuant to the provisions of MGL Chapter 40, Section 5F to create a Receipts Reserved for Ambulance Fund, to defray the cost, including maturing debt and interest, of acquiring, establishing, maintaining, purchasing, hiring and operating ambulance services; or to take any other action relative thereto.

Requested by the Select Board

Explanation: Upon completion of the contract with Lower Cape Ambulance, the town will assume billing and collection responsibilities for ambulance receipts. This article offers a mechanism for creating an account for ambulance receipts collected. Receipts from this fund may only be expended through an appropriation vote at town meeting.

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| Finance Committee Recommendation | | | |
| Select Board Recommendation | | | |



TOWN OF TRURO

Board of Selectmen Agenda Item

DEPARTMENT: Health & Conservation

REQUESTOR: Emily Beebe, on behalf of the Conservation Commission

REQUESTED MEETING DATE: March 21, 2023

ITEM: Review and Approve Revised Select Board Policy Memorandum #48:
Construction/Staging Permit for Use of Town-Owned Property and/or Beach Access

EXPLANATION: Staff prepared a revised version of Select Board Policy Memorandum #48: Construction/Staging Permit for Use of Town-Owned Property and/or Beach Access for the Board's consideration. The proposed version reflects a change in the Town's administration of the access and staging permit for Town property.

FINANCIAL SOURCE (IF APPLICABLE): N/A

IMPACT IF NOT APPROVED: The policy will not be reflective of the appropriate practice for granting access for staging permits.

SUGGESTED ACTION: *Motion to approve revised Select Board Policy Memorandum #48: Construction/Staging Permit for Use of Town-Owned Property and/or Beach Access.*

ATTACHMENTS:

1. Revised Select Board Policy Memorandum #48: Construction/Staging Permit for Use of Town-Owned Property and/or Beach Access



TOWN OF TRURO

P.O. Box 2030, Truro, MA 02666
Tel: (508) 349-7004 Fax: (508) 349-5505

POLICY MEMORANDUM #48

Date: Adopted September 6, 2011; Revised January 26, 2016, November 14, 2017, March 21, 2023

Subject:

**CONSTRUCTION/STAGING PERMIT FOR USE OF TOWN-OWNED
PROPERTY AND/OR BEACH ACCESS**

1. Said permit shall be issued by the Town Manager.
2. Said permit issued by the Town Manager on behalf of the Select Board must be current and valid.
3. The Town Manager shall forward the application to the Director of the Department of Public Works, the Recreation/Beach Director and/or the Conservation Agent for review and comment.
4. The Contractor shall submit proof of Certificate of Liability Insurance in the amount of \$1,000,000 and/or a bond or other form of security to be determined by the Town Manager upon approval of application and the release of permit. The Workers' Compensation Insurance Affidavit must be completed with a copy of the Workers' Compensation Insurance policy showing policy number and expiration date.
5. The parking area and beach access, if applicable, shall be inspected by the Director of the Department of Public Works and the Recreation/Beach Director prior to any equipment or materials being off-loaded on any town-owned property. Upon completion of the project, an inspection shall be conducted by the Director of the Department of Public Works and the Recreation/Beach Director. If damage to town-owned property from the scope of the project is observed by the Director of the Department of Public Works and the Recreation/Beach Director, the Contractor shall promptly make all necessary repairs.
6. A layer of sand or other suitable material(s) shall be deposited on areas designated by the Director of the Department of Public Works, or his designee, prior to the offloading and reloading of equipment and materials. In no case shall the equipment or materials block any access or driveways and shall be so located, as much as possible, away from any dwelling(s). Sweeping of the area, at the contractor's expense, shall be required.
7. The entrance of the beach parking and beach area, if applicable, shall be maintained daily.
8. If and where deemed necessary by the Director of the Department of Public Works poles and posts marking the edge of pavement shall be removed prior to use of the beach slope and returned to their original position upon completion of the project by the contractor. Pavement markers are to be replaced at the end of each workday.

9. Any damage to the facility shall be the responsibility of the contractor to repair to the original state, including, but not limited to, cracking or destruction of pavement, scraping, holes, destruction of concrete posts, telephone poles, or replacement of sand.
10. Conditions may be included in approval of the application and should be adhered to. In certain cases, coordination with the Health/Conservation Agent or his/her designee may be required prior to or during access/ staging/ construction. Failure to abide by conditions may result in revocation of permit.
11. The contractor shall be required to pay to the Town of Truro an application fee at the time the application is submitted.
12. A project using the town facility may be conducted during the period of October 15th through April 15th (the "season".) The permit is good for the time specified on the application.
13. The Town Manager shall set conditions, including but not limited to, the times of day work may commence, the days of the week, etc.
14. Every contractor and property owner applying for a staging permit to use Town property shall be provided with a copy of these regulations and shall be asked to execute the acknowledgment and application which appear on the following page. A copy of these regulations shall be available on the job site at all times.
15. This permit does not grant any property rights or any exclusive privileges; it does not authorize any injury to private property or invasion of private rights or approve or imply the approval of access over privately owned properties, including but not limited to the Cape Cod National Seashore.
- ~~15.~~16. [This permit authorizes access to Town-owned property only. The Town does not authorize entry onto private property. If the permit holder enters onto private property, it is at their own risk of a claim of trespass by the owner.](#)
- ~~16.~~17. In all cases, the Select Board may waive any of these provisions.
- ~~17.~~18. Emergency permission to use Town property may be approved by the Director of the Department of Public Works, Recreation/Beach Director, Chief of Police, Conservation Agent and/or Health Agent; however, an application must still be made to the Town Manager.
- ~~18.~~19. Failure to comply with any or all these regulations may result in the suspension and/or revocation of Staging Permit privileges.

Kristen Reed, Chair

Robert Weinstein, Vice-Chair

John Dundas, Clerk

Susan Areson

Stephanie Rein
Truro Select Board

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TOWN OF TRURO

P.O. Box 2030, Truro, MA 02666
Tel: (508) 349-7004 Fax: (508) 349-5505

APPLICATION FOR CONSTRUCTION/STAGING PERMIT FOR USE OF TOWN-OWNED PROPERTY AND/OR BEACH ACCESS

Date: ___

Location of Staging Area/Access: _____

Contractor:.....

Legal Mailing Address:.....

Telephone:..... Cell:

Working for: _____ DEP # _____

Work Location:

Property Owners Legal Mailing Address: _____

Telephone: _____

Project Description: _____

Equipment and Materials to be Used: _____

Estimated Work Start & Finish Dates:.....

Contractor's Signature:_____

Date Certification of Liability Insurance and/or Security Received: _____

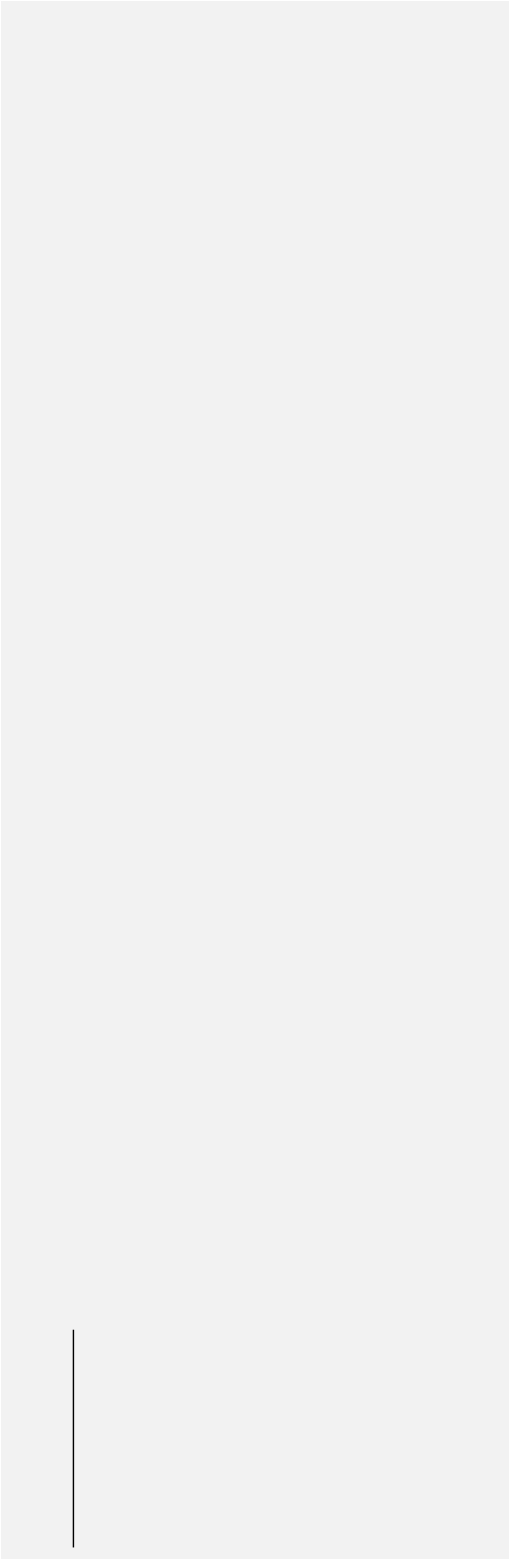
DPW Director Comments:.....

Beach Supervisor Comments:.....

Conservation Agent Comments:_____

Town Manager Approval: _____ **Date:** _____

Restrictions/Conditions:.....



Project Completion Sign-Off

We, the undersigned, have inspected the Town property as identified on this application and found it to be in good condition.

DPW Director Approval _____ **Date** _____

Beach Supervisor Approval _____ **Date** _____

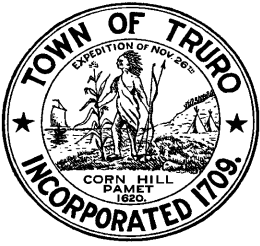
For Beach Access, Conservation Agent Approval _____ **Date** _____

Town Manager Approval of Release of Certification of Liability Insurance and/or Security:

Signature

Date





TOWN OF TRURO

Select Board Agenda Item

DEPARTMENT: Department of Public Works

REQUESTOR: Jarrod Cabral, DPW Director

REQUESTED MEETING DATE: March 21, 2023

ITEM: Mill Pond Road Frequently Asked Questions

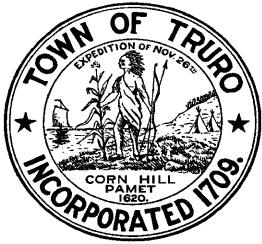
EXPLANATION: Public Works Director Jarrod Cabral will once again update the Board on Mill Pond Road and updates to the Frequently Asked Questions related to the project.

FINANCIAL SOURCE (IF APPLICABLE): N/A

IMPACT IF NOT APPROVED: N/A

SUGGESTED ACTION: *None. Discussion only.*

ATTACHMENTS: None



TOWN OF TRURO

Select Board Agenda Item

DEPARTMENT: Administration

REQUESTOR: Noelle Scoullar, Executive Assistant

REQUESTED MEETING DATE: March 21, 2023

ITEM: Application for Permit for Organized Bike & Road Races

EXPLANATION: Harbor to the Bay has submitted an application to hold a bike ride which will pass through Truro on September 23, 2023 between the hours of 2:00pm and 5:00pm. The route will take riders down Route 6 from Wellfleet to South Highland Road. From there, they will travel to Highland Road and finally Route 6A onward to Provincetown. DPW Director Cabral, Fire Chief Collins and Police Chief Calise have approved. Chief Calise is recommending a police detail. Town Manager Tangeman has signed off on the application. The Select Board is approving the MassDOT Event Notification Form which has been signed by both Chief Calise and Chief Collins.

FINANCIAL SOURCE (IF APPLICABLE): N/A

IMPACT IF NOT APPROVED: Harbor to the Bay will not be approved to ride through the Town of Truro.

SUGGESTED ACTION: *Motion to approve the MassDOT Event Notification Form and authorize the Chair to sign electronically.*

ATTACHMENTS:

1. Application for Permit for Organized Bike & Road Races, MassDOT Event Notification form and accompanying memo, maps and route.



TOWN OF TRURO

P.O. Box 2030, Truro, MA 02666
Tel: 508-349-7004 , Extension: 110 or 124 Fax: 508-349-5505

APPLICATION FOR PERMIT FOR ORGANIZED BIKE & ROAD RACES

Applicant: Harbor to the Bay Bike Ride Email: _____
Group Affiliation (If Any): Harbor to the Bay AIDS Charity Bike Ride
Mailing Address: P.O. Box 990243 City: Boston State: MA Zip: 02199
Phone: _____ Cell Phone: _____

Type of Event (Please be specific as to number of persons, equipment to be used (if any), whether food or beverages will be served, parking arrangements, etc.):

21st annual benefit bike ride from Boston to Provincetown with approximately 200 - 250 riders

Streets &/or Roads to be Used:

Rt 6 to Highland Road to route 6A into Provincetown

Date(s) and Hours Race/Event: September 23, 2023
2:00PM - 5:00PM Day: _____

Applicant is responsible for obtaining all necessary permits and inspections (see page 2)

If Town Beaches are being used the Use of Town Property MUST be completed in addition to this application.
I, as applicant for the above, do hereby acknowledge that the town is exempt from any liability for this activity. I, as applicant for the above, additionally guarantee that the area to be used will be cleaned and left free of any debris at the completion of said activity.

[Signature] 3/6/23
Signature of Applicant Date

Action by the Town Manager : Date: 3/15/2023

- Approved as submitted
- Approved with the following condition(s): _____
- Disapproved with the following reason(s): _____

Signature of the Town Manager : [Signature]

EVENT NOTIFICATION FORM

Date: March 6, 2023

Mary-Joe Perry, District Five Highway Director ●
MassDOT, Highway Division
1000 County Street, Taunton, MA 02780 ●

Dear Sir/Madame:

Please be advised that the Grantee(s) of this Event Harbor to the Bay has notified the Board of Selectmen/City Council, Local Police Department, Local Fire Department and if applicable the State Police of its intention to conduct **road work/parade/race/ride** or other events impacting State Highways on Route(s) Rt 6, Highland Rd, Rt 6A in or through the City/Town(s) of Truro, MA benefiting 21st Annual Harbor to the Bay Ride, Sept. 23, 2023

The Grantee(s) of this Event understands that it must give the Police and Fire Departments at least 48 hours notice before the commencement of the proposed event.

The Grantee(s) must supply a Traffic Management Plan when the roadway is occupied and for all detours associated with said events to this Department and to all officials listed below. The Grantee(s) must notify the local and/or state police to set up a detour of this area with appropriate signs and barricades. The local Fire Department must be notified of the detour to ensure that measures will be taken to minimize disruption to the Fire Department's emergency service during the event. The Grantee(s) must also notify local media (newspapers, radio) of this proposed event.

The following signatures are required prior to the issuance of the Permit.

Please email this form back to David at Harbor to the bay at: dwhitman@harbortothebay.org. Thank you!

LOCAL POLICE DEPARTMENT

Signed: [Signature]
Title: Chief of Police
City/Town: Truro

FIRE DEPARTMENT

Signed: [Signature]
Title: Fire Chief
City/Town: Truro

BOARD OF SELECTMEN/CITY COUNCIL

Signed: _____
Title: _____
City/Town: _____

STATE POLICE DEPARTMENT

Signed: _____
Title: _____
City/Town: _____

APPLICANT IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS & INSPECTIONS

| | |
|--|--|
| Health/Conservation Agent Signature: <hr/> Comments/Conditions: Permits/Inspections needed: | Building Commissioner Signature: <hr/> Comments/Conditions: Permits/Inspections needed: |
| Police Department Signature: Jamie Calise <hr/> Comments/Conditions: Recommend one detail officer | Fire Department Signature: <hr/> Comments/Conditions: |
| DPW Signature: <hr/> Comments/Conditions: | Harbormaster Signature: <hr/> Comments/Conditions: |
| Recreation and Beach Director: <hr/> Comments/Conditions: | Other: <hr/> Comments/Conditions: |

APPLICANT IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS & INSPECTIONS

| | |
|---|--|
| Health/Conservation Agent Signature: <hr/> Comments/Conditions: Permits/Inspections needed: | Building Commissioner Signature: <hr/> Comments/Conditions: Permits/Inspections needed: |
| Police Department Signature: <hr/> Comments/Conditions: | Fire Department Signature:  <hr/> Comments/Conditions:  |
| DPW Signature:  <hr/> Comments/Conditions: | Harbormaster Signature: <hr/> Comments/Conditions: |
| Recreation and Beach Director: <hr/> Comments/Conditions: | Other: <hr/> Comments/Conditions: |



Harbor to the Bay, INC.
BOX 990243 Boston, MA 02199
www.harbortothebay.org

March 6, 2023

Nicole Tudor
Executive Assistant
Administration and Select Board Office
Truro Town Hall

ntudor@truro-ma.gov

cc: nscoullar@truro-ma.gov

Sent via email

I am writing to let you know that on Saturday, September 23, 2023, we are planning the 21st Annual Harbor to the Bay Ride. It is with mixed emotions to share with you this will be the final year of our ride. After 20 successful rides we, the all-volunteer planning committee, has made the hard decision that this will be the final Harbor to the Bay charity ride. We request permission to ride through **Truro** as part of our annual charity bike ride. This will be our 21st year coming through **Truro** and we graciously thank you for your cooperation in previous years.

Harbor to the Bay INC., is a 501(C)3 non-profit organization, incorporated in the Commonwealth of Massachusetts. Its members are local men and women, committed to deliver 100% of rider received pledges to our four designated beneficiaries: The AIDS Support Group of Cape Cod, AIDS Action, Access Health MA and Fenway Health. Since its beginning, Harbor to the Bay has raised over \$6,700,000 for these four exceptional organizations.

The ride, which begins in Boston at 6:00AM and ends in Provincetown by 7:00PM, involves a total of approximately 200-250 cyclists riding through **Truro between 2:00PM and 6:00PM**. The route through **Truro** will be as follows: **Route 6 from Wellfleet to Highland Road to 6A into Provincetown.**

Please feel free to contact one of us at the numbers below with any questions.

Thank you again for your support!

Sincerely,

James Morgrage

Jim Morgrage
Director
617-320-7202
Jim@clubcafe.com

David Whitman

David Whitman
Committee Member
617-901-6818
dwhitman@harbortothebay.org

Included: Event Notification Form, Truro Application form, Fact Sheet, 501(C)3 form, Route Map



*Dedicated to the memory of community leader & philanthropist
Michael A. Tye, United Liquors Corp.*

Fact Sheet

- What:** After over 20 years, Harbor to the Bay will hold it's 21st and final annual one-day bike ride from Boston (or the Sagamore bridge) to Provincetown to raise vital funds for 4 AIDS/HIV agencies in the Boston area and Cape Cod.
- When:** Saturday, September 23, 2023
- Where:** 125 miles from Boston to Provincetown, or 68 miles from the Sagamore Bridge to Provincetown.
- Who:** Harbor to the Bay, Inc. is a 501(C) 3 not-for-profit organization incorporated in the Commonwealth of Massachusetts. Its members are local individuals, participants in past AIDS bicycle fundraising, and friends, committed to deliver 100% of rider pledges to our four beneficiaries.
- Why:** H2B founders experienced participating in lavishly produced AIDS charity cycling events where production costs outweighed funds going to beneficiaries. They determined that committed volunteers could produce an event with limited production costs that results in 100% of participant-raised funds going to the four beneficiaries (See pages 2 and 3.) Harbor to the Bay has no paid staff.
- Costs:** Operating expenses of the ride will be met by rider and crew registration fees, and by corporate and individual sponsorships, both in-kind and monetary.
- Our Mission:** To organize a grass-roots event, supported by a dedicated group of individuals who want to ride or crew and make a difference in our community.
- Sponsors:** Club Café Boston, The Ray Tye Medical Aid Foundation, Webster Bank, Bay Windows, The Boatslip Resort, The Harbor Hotel, Tin Pan Alley, Bread and Roses Bakery and many more.
- Information:** For further information, please visit www.harbortothebay.org; or contact:
Jim Morgrage: jim@clubcafe.com or 617-320-7202
David Whitman: dwhitman@harbortothebay.org 617-901-6818



OUR BENEFICIARIES:

Fenway Health, (FH) The mission of Fenway Health is to enhance the wellbeing of the lesbian, gay, bisexual and transgender community and all people in our neighborhoods and beyond through access to the highest quality health care, education, research and advocacy. Funds raised from Harbor to the Bay support many programs and initiatives, including: Providing care for 2,000 patients living with HIV, Free or subsidized HIV medication for those who do not have the ability to pay, The Fenway Institute's community-based HIV research program—the first of its kind in the nation. Since 1985 the Institute has been on the cutting-edge of HIV/AIDS research and was one of two US sites in the critical iPrEx study that led to the use of pre-exposure prophylaxis (PrEP) to prevent transmission of HIV. Collaboration with the AIDS Action Committee of MA on outreach, testing, and prevention programs and services. Staff attendance at the World AIDS Conference.

The AIDS Support Group of Cape Cod (ASGCC) saves lives through prevention, education and life-sustaining services that address public health crises to build healthy communities across the Cape and Islands. Founded in 1983 by a group of volunteers in Provincetown, for over 35 years ASGCC has provided vital, year-round services for people living with HIV/AIDS, as well as providing Cape-wide prevention and screening services for HIV, HCV and other STIs. ASGCC's mission to respond to health crises led to the agency's lead role in tackling the opioid epidemic on the Cape. ASGCC provides harm reduction services including distribution of Narcan, overdose education, syringe services, and bridges to addiction treatment.



AccessHealth MA, AHMA, (formerly known as CRI) leads the fight against HIV and other infectious diseases. A unique, public health nonprofit, we provide access and support through drug assistance, insurance support, prevention, and research—all to make Massachusetts a healthier, more equitable place for every resident of the Commonwealth.

Integrating drug assistance, insurance navigation, prevention, and research, we offer a holistic, client-centered approach that advances social justice and equity in healthcare. Our goal is to diminish infectious diseases in Massachusetts, including HIV and tuberculosis.

We provide access to life-saving medications and health insurance coverage for Massachusetts residents in need who are living with HIV, at risk for HIV, have tuberculosis, or who have other infectious diseases. AccessHealth MA also conducts life-saving clinical research and has contributed critical research data that resulted in the FDA approval of nearly all the currently available HIV medications.

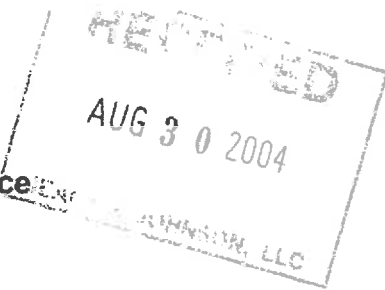
AIDS Action, (AAC) is the state's leading provider of prevention and wellness services for people living with and at risk of HIV/AIDS. AIDS Action works to stop the epidemic by eliminating new infections; maximizing healthier outcomes of those infected and at risk; and tackling the root causes of HIV/AIDS. Founded in 1983, AIDS Action has been advocating for the needs of people living with HIV/AIDS by educating the public and health professionals about HIV prevention and care. In 2013, AIDS Action Committee of Massachusetts entered into a strategic partnership with Fenway Health, allowing both organizations to improve delivery of care and services across the state and beyond. H2B funds provide critical support for our programs and services, including:

- Providing health and wellness services to individuals impacted by HIV/AIDS.
- Conducting cutting edge HIV prevention and awareness programs.
- Ensuring testing and access to treatment.
- Addressing health disparities caused by social forces like poverty, discrimination, domestic abuse, food insecurity, racism, and homophobia.
- Advocating for marginalized groups hit hardest by the epidemic at the city, state, and federal levels.

Since 2000, we along with our partners in the state have helped reduce new HIV diagnoses by 41%, keeping people healthy who might otherwise have become infected with HIV, and saved the state more than \$1.7 billion in avoided HIV-related health care costs.

Harbor to the Bay, Inc., P. O. Box 990243, Boston, MA 02199 Telephone: 617-320-7202 or www.harbortothebay.org

Internal Revenue Service



Date: August 24, 2004

Harbor To The Bay, Inc.
% James M. Morgrave Club Cafe
209 Columbus Avenue
Boston, MA 02116-5109

Department of the Treasury
P. O. Box 2508
Cincinnati, OH 45201
Person to Contact:
Mrs. Jones 31-03886
Customer Service Specialist
Toll Free Telephone Number:
8:00 a.m. to 6:30 p.m. EST
877-829-5500
Fax Number:
513-263-3756
Federal Identification Number:
05-0568910
Advance Ruling Period Ends:
December 31, 2007

Dear Sir or Madam:

This is in response to your request of August 24, 2004, regarding your organization's tax-exempt status.

In November 2003 we issued a determination letter that recognized your organization as exempt from federal income tax. Our records indicate that your organization is currently exempt under section 501(c)(3) of the Internal Revenue Code.

Our records indicate that your organization is also classified as a public charity under sections 509(a)(1) and 170(b)(1)(A)(vi) of the Internal Revenue Code until the Advance Ruling Period Ending date indicated in the header above.

Within 90 days from the end of the advance ruling period, your organization must submit to us information needed to determine whether it has met the requirements of the applicable support test during the advance ruling period. This information is currently supplied on the Form 8734, *Support Schedule for Advance Ruling Period*.

Contributions to your organization are deductible under section 170 of the Code. Grantors and contributors may rely on the determination that your organization is not a private foundation until 90 days after the end of its advance ruling period. If the organization submits the required information within 90 days, grantors and contributors may continue to rely on the advance determination until the Service makes a final determination of your organization's foundation status.

If you have any questions, please call us at the telephone number shown in the heading of this letter.

Sincerely,

Janna K. Skufca, Director, TE/GE
Customer Account Services

All Riders must check in at each Check Point.

Pit 1 Weymouth Nash School

14.7 Miles from the Start of the Ride

Opens: 6:30 a.m. | Closes: 8:30 a.m.

Pit 2 Halifax (Check Point) Halifax Boat Ramp

15.9 Miles from Pit 1

Opens: 7:15 a.m. | Closes: 9:45 a.m.

Pit 3 Plymouth Town Green

13.0 Miles from Pit 2

Opens: 8:00 a.m. | Closes: 11:00 a.m.

Pit 4 Bourne (Check Point) Sagamore Bridge

14.8 Miles from Pit 3

Opens: 8:45 a.m. | Closes: 12:45 p.m.

10:30 a.m. Second Half of the Route Opens

Pit 5 Barnstable Town Building

16.9 Miles from Pit 4

Opens: 10:45 a.m. | Closes: 2:15 p.m.

Pit 6 Brewster (Check Point) Cape Cod Rail Trail

13.6 Miles from Pit 5

Opens: 11:30 a.m. | Closes: 3:45 p.m.

Pit 7 Eastham

10 Miles from Pit 6

Opens: 11:45 a.m. | Closes: 4:15 p.m.

Pit 8 Wellfleet (Check Point) End of Rail Trail

4.2 Miles from Pit 7

Opens: 12:00 p.m. | Closes: 5:00 p.m.

Pit 9 North Truro

10.7 Miles from Pit 8

Opens: 12:45 p.m. | Closes: 6:00 p.m.

Pit 10 Provincetown (Check Point)

5 Miles from Pit 9

Opens: 1:00 p.m.



ROUTE Closes: 6:30 P.M. All Cyclists must be off the route at this time.

Harbor to the Bay Ride

L=Left R=Right X=Cross F=Forward B=Bear Q=Quick SS=Stop Sign T=T-Stop TL=Traffic Light V=Fork

| Total | Turn | Onto - Comments |
|-------|------|---|
| 0.5 | L | Tremont St. |
| 0.5 | QR | Waltham St. |
| 0.8 | L | Harrison Ave. |
| 1.1 | R | Traveler St. |
| 1.5 | BR | Dorchester Ave. |
| 1.8 | BL | Old Colony Ave. |
| 2.5 | F | Old Colony Ave. at the traffic circle |
| 2.9 | BR | Old Colony Ave. |
| 3.1 | R | William T Morrissey Blvd. |
| 3.7 | BR | William T Morrissey Blvd. |
| 5.5 | BR | William T. Morrissey Blvd. |
| 5.7 | L | Hancock St./Neponset Ave. Over the Neponset River Bridge |
| 6.0 | BR | Onto Hancock St. |
| 8.9 | BL | Hancock St. |
| 8.9 | F | Washington St. |
| 9.0 | R | Temple St. |
| | F | Hancock St. |
| 9.4 | F | Quincy Ave. |

| Total | Turn | Onto - Comments |
|-------|------|--|
| 39.5 | F | MA-80 W |
| 41.0 | L | Carver Rd. |
| 41.3 | BR | Carver Rd. |
| 41.8 | L | Summer St. |
| 43.4 | R | Market St. |
| 43.5 | BL | Pleasant St. |
| 43.6 | L | Pit Stop 3 Plymouth Town Green |
| 43.7 | R | South St. |
| 44.2 | F | Pontus Meadow Rd. |
| 44.3 | F | South St. |
| 45.1 | F | Long Pond Rd. |
| 53.8 | F | Hedges Pond Rd. |
| 55.6 | R | MA-3A S/State Rd. |
| 58.2 | F | Canal Rd. |
| 58.4 | BR | Pit Stop 4 Sagamore Bridge |
| 58.5 | L | US-6 W/Sagamore Bridge (Walk your bike over the bridge) |
| 58.9 | BL | into parking lot after bridge |
| 59.1 | R | toward Cranberry Hwy |

| Total | Turn | Onto - Comments |
|-------|------|---|
| 88.9 | R | Onto the Cape Cod Rail Trail |
| 93.3 | R | West Rd. |
| 93.5 | L | Cape Cod Rail Trail |
| 98.8 | L | Pit Stop 7 Eastham Brackett Rd. |
| 103.0 | L | Pit Stop 8 WellFleet CC Rail Trail |
| 103.1 | L | Lecount Hollow Rd. |
| 103.2 | R | US-6 E |
| 112.2 | R | South Highland Rd |
| 113.9 | L | Highland Rd. |
| 114.8 | R | Pit Stop 9 North Truro |
| 115.0 | R | MA-6A W |
| 119.6 | R | Pit Stop 10 Harbor Hotel |
| 119.8 | BL | Commercial St. |
| 121.5 | L | Boatslip Closing Ceremonies |

PIT STOPS MARKED IN RED YOU MUST CHECK IN

| Total | Turn | Onto - Comments |
|-------|------|---|
| 12.1 | R | Front St. |
| 12.4 | L | Front St. |
| 14.1 | BL | Front St. |
| 14.5 | L | West St. |
| | QR | Main St./MA-18 |
| 14.7 | R | Pit Stop 1 Nash School |
| 15.8 | R | Pond St. |
| 19.1 | BL | Plymouth St. |
| 21.7 | BR | Follow rotary to 3rd exit onto MA-58 S |
| 21.8 | R | MA-58 S |
| 30.6 | R | Pit Stop 2 Halifax Boat Ramp |
| 34.9 | L | Mayflower Rd. |
| 35.6 | BR | Mayflower Rd. |
| 36.2 | R | Brook St. |
| 36.6 | BL | Spring St. |
| 36.9 | F | Spring St. |
| 37.8 | L | High St. |
| 38.6 | F | Parting Ways Rd. |

| Total | Turn | Onto - Comments |
|-------|------|--|
| 59.1 | L | Cranberry Hwy |
| 59.9 | F | Sandwich Rd. |
| 60.2 | BR | Main St. |
| 61.7 | F | Water St. |
| 63.3 | L | Service Rd. |
| 69.9 | L | MA-149 N |
| 69.9 | BR | 1st exit onto Service Rd. at the traffic circle |
| 71.8 | L | Oak St. |
| 72.8 | L | Iyannough Rd. |
| 72.8 | R | Main St. |
| 75.3 | R | Pit Stop 5 Barnstable Fire Dept |
| 80.8 | BR | Setucket Rd. |
| 84.5 | F | Satucket Rd. |
| 86.3 | F | Stony Brook Rd. |
| 87.1 | F | Main St. |
| 87.2 | R | Tubman Rd. |
| 88.8 | F | Long Pond Rd. |
| 88.9 | R | Pit Stop 6 Brewster CC Rail Trail |

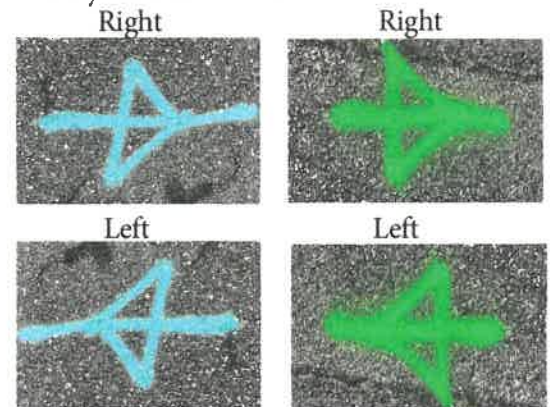
Following the Route Markings

The route has been marked with green arrows painted on the pavement. They will look like the two below. Please note the shape and color.



Older Arrow Bear Right
Newly Painted Go Forward

There will be at least two arrows before every turn and one after.



Right Right
Left Left

January 17, 2023, Budget Task Force Meeting

Via GoToMeeting Platform

Select Board Members Present: John Dundas-Clerk, Sue Areson-Member, Stephanie Rein-Member

Select Board Members Absent: Kristen Reed-Chair, Robert Weinstein-Vice Chair

Others Present: Darrin Tangeman-Town Manager, Kelly Clark-Assistant Town Manager, Kaci Fullerton-Town Clerk, Alex Lessin-Finance Director, David Wennerberg-IT Director, Trudi Brazil-Town Accountant, Rich Stevens-Building Commissioner, Jon Nahas-Principal Assessor, Stephanie Costigan-Truro School Superintendent, Robert Panessiti-Finance Committee (FinCom) Chair, Rich Wood-Finance Committee (FinCom) Vice Chair, Kolby Blehm-Truro School Committee Chair, Christine Markowski

FinCom Chair Panessiti called the meeting to order at 8:30 am as Chair Reed was unable to attend.

Select Board Member Dundas opened the meeting after conducting a roll call vote of Select Board members present. FinCom Chair Panessiti then introduced the Town staff and FinCom members present.

FinCom Chair Panessiti led the discussions and reviews of the FY2024 Budget for the following departments: Buildings/Inspections, Finance, Clerk, and Information Technology.

Building/Inspections

FinCom Chair Panessiti recognized Building Commissioner Stevens who presented an organizational overview of the Building Department, the narrative summary, and the budget highlights for the FY2024 Budget. Members discussed part-time staff within the department and the mobile online permitting application capability.

Finance

FinCom Chair Panessiti recognized Principal Assessor Nahas who presented an organizational overview of the Assessing Department, the narrative summary, and the budget highlights for the Assessing Department's FY2024 budget. Members and Town staff discussed the storage expenses for mapping, the annual \$6,000 aerial survey photograph subscription for service, any potential increase in the annual \$6,000 aerial survey photograph subscription, and any changes for the accreditation process for professional development.

Principal Assessor Nahas then presented the Parking Magistrate Department's organizational overview, the narrative summary, and the budget highlights for the FY2024 Budget. Members and Town staff discussed the collection rates and the amount of revenue collected from violations, the enforcement to prevent registration renewals of vehicles for owners who have not paid violations, and the inability of violators to purchase a Truro beach sticker with unpaid violations.

FinCom Chair Panessiti recognized Town Accountant Brazil who presented the Accounting Department's organizational overview, the narrative summary, and the budget highlights for the FY2024 Budget. Members and Town staff discussed ClearGov, digitization adherence to the Commonwealth of Massachusetts' guidelines regarding documentation and the documentation retention requirements.

FinCom Chair Panessiti recognized Finance Director Lessin who thanked the entire Finance Department for their hard work. Finance Director Lessin then presented the Finance Director/Treasurer/Collector's organizational overview, the narrative summary, and the budget highlights for the FY2024 Budget. There were no questions or comments from the Members.

Clerk

FinCom Chair Panessiti recognized Town Clerk Fullerton who provided the Town Clerk's organizational overview, the narrative summary, and the budget highlights for the FY2024 Budget. Members and Town staff discussed the Harmari Tools approval, the rental registration fee and differences in revenue, the March 2023 deadline for the end of approval for remote meetings and the impact on Town staff for hybrid meetings, and the community's concerns regarding public participation for remote meetings.

Information Technology

FinCom Chair Panessiti recognized IT Director Wennerberg who provided the IT Department's organizational overview, the narrative summary, and the budget highlights for the FY2024 Budget. Members and Town staff discussed the IT support and coverage due to increased workload for a department of one individual, continuity of IT support if the IT Director is unavailable, Barnstable County onsite support schedule per month, and web-based hardware (and mobile applications) support for new software.

FinCom Chair Panessiti thanked all the participants and presenters. Finance Director Lessin announced that the next Budget Task Force meeting would be held on January 24, 2023, at 8:30 am. Budgets scheduled to present are Library, Planning, and (tentatively) School.

Member Dundas made a motion to adjourn the meeting at 9:55 am.

Member Areson seconded the motion.

Roll Call Vote

Member Dundas – Aye

Member Areson – Aye

Member Rein – Aye

So voted, 3-0-0, motion carries.

Respectfully submitted,



Alexander O. Powers

Board/Committee/Commission Support Staff

Darrin K. Tangeman Under the Authority of the Truro Select Board

Public Records Material Attachment

Legal Notice

January 24, 2023, Budget Task Force Meeting

Via GoToMeeting Platform

Select Board Members Present: Kristen Reed-Chair, Robert Weinstein-Vice Chair, John Dundas-Clerk, Sue Areson-Member

Select Board Members Absent: Stephanie Rein-Member

Others Present: Darrin Tangeman-Town Manager, Kelly Clark-Assistant Town Manager, Barbara Carboni-Town Planner/Land Use Counsel, Tricia Ford-Library Director, Alex Lessin-Finance Director, Trudi Brazil-Town Accountant, Stephanie Costigan-Truro School Superintendent, Robert Panessiti-Finance Committee (FinCom) Chair, Rich Wood-Finance Committee (FinCom) Vice Chair, Lori Meads-Finance Committee (FinCom) Clerk, Raphael Richter-Finance Committee (FinCom)

Chair Reed called the meeting to order at 8:30 am and introduced Members and Town staff present. Chair Reed then recognized FinCom Chair Panessiti. A quorum of FinCom members present, FinCom Chair Panessiti introduced the FinCom members and announced the FinCom meeting open.

Chair Reed led the discussions and reviews of the FY2024 Budget for the following departments: Planning Department and Library.

Planning Department

Chair Reed recognized Town Planner/Land Use Counsel Carboni who presented an organizational overview of the Planning Department, the narrative summary, and the budget highlights for the Planning Department's FY2024 budget. Town Planner/Land Use Counsel Carboni also presented a proposal for the hiring of a full-time housing coordinator along with the justification to carry out the goals and objectives of the Housing Production Plan.

Members and Town staff discussed salaries; the hiring of an additional staff member for a Town housing coordinator; examples of other Cape Cod towns which had the same need for housing coordinators along with metrics analysis of the information (i.e. type of housing units produced) for that role; the sharing of a Regionalized housing coordinator (i.e. Wellfleet) with Truro rather than an exclusive and dedicated Town housing coordinator; a proposed salary of \$70,000-\$82,000 that may require a higher salary as other Cape Cod towns offer salaries of \$80,000-\$90,000+ for a Town housing coordinator; political concerns regarding housing advocates versus obstructionists who are opposed to additional housing; the lack of physical land available for housing that would limit the capabilities of a Town housing coordinator to make a difference, other management and compliance functions the Town housing coordinator would perform; incremental increases versus overrides for new Town hires (i.e. fire and police department); the creation of a mechanism for a part-time Town housing coordinator with collaboration with another Cape Cod community to increase efficiency; the total cost for a Town housing coordinator could be more in the range of \$110,000-\$115,000 for salary and benefits; is there Town housing coordinator already in mind or would the Town use an outside agency to conduct a search for qualified candidates as the entire process could take 3-6 months; the cost associated with not

advertising the position as full-time; and the upcoming retirement in June 2023 of shared CPA between Wellfleet and Truro.

Chair Reed thanked Town Planner/Land Use Counsel Carboni for her work and Town Planner/Land Use Counsel Carboni thanked the Members upon her departure from the meeting.

Library

Chair Reed recognized Library Director Ford who presented an organizational overview of the Library, the narrative summary, and the budget highlights for the FY2024 Budget.

Members and Town staff discussed specific sources and dollar amounts for capital improvement project requests which were not in the presentation shared live with the public; suggestion to close the library on Mondays and Tuesdays to accommodate the public's access to the library on the weekends; keeping the library open 7 days a week; the status of the library's previous 5-star designation rating among the 9,000 libraries in the United States; the library's website upgrade; the library's critical role that it plays in the community; and the space planning study's results which would result in a \$2M spend to solve all of the issues.

Chair Reed thanked Library Director Ford who thanked the Members upon her departure.

Chair Reed thanked all the participants and presenters. Chair Reed announced that the next Budget Task Force meeting would be held on January 31, 2023, at 8:30 am. Budgets scheduled to present are Truro Central School, Fire & Rescue, Emergency Management, and Administration.

With no longer a quorum present of Select Board Members or FinCom Members, Chair Reed adjourned the meeting at 10:29 am.

Respectfully submitted,



Alexander O. Powers
Board/Committee/Commission Support Staff

Darrin K. Tangeman Under the Authority of the Truro Select Board

Public Records Material Attachment

Legal Notice

February 14, 2023, Budget Task Force Meeting

Via GoToMeeting Platform

Select Board Members Present: Kristen Reed-Chair, John Dundas-Clerk, Sue Areson-Member, Stephanie Rein-Member

Select Board Members Absent: Robert Weinstein-Vice Chair

Others Present: Darrin Tangeman-Town Manager, Kelly Clark-Assistant Town Manager, Alex Lessin-Finance Director, Trudi Brazil-Town Accountant, Stephanie Costigan-Truro School Superintendent, Kolby Blehm-School Committee Chair, Robert Panessiti-Finance Committee (FinCom) Chair, Rich Wood-Finance Committee (FinCom) Vice Chair, Raphael Richter-Finance Committee (FinCom) Member

Chair Reed called the meeting to order at 8:30 am and introduced Members and Town staff present. Chair Reed then recognized FinCom Chair Panessiti. A quorum of FinCom members present, FinCom Chair Panessiti introduced the FinCom members and announced the FinCom meeting open.

Chair Reed led the discussions and reviews of the FY2024 Budget for the following departments: non-departmental budgets and reserved for outstanding Budget discussions.

Non-departmental Budgets

Prior to the presentation, FinCom Chair Panessiti announced that FinCom Member Richter had joined so there was now a forum of FinCom members. Chair Panessiti opened the FinCom meeting.

Chair Reed recognized Town Manager Tangeman and Finance Director Lessin. Finance Director Lessin presented an overview and the budget highlights for the FY2024 Non-departmental Budgets.

Members and Town staff discussed the purpose for the \$2,000 allocated for the Bike and Walkways Committee; the proposed budget for the Water Resources Oversight Committee (WROC) no longer exists and its responsibilities now fall under the Board of Health; intent to increase the reserve fund by \$25,000 to \$200,000; maintain the operating budget within the parameters of Proposition 2½; and a general override that would include \$125,000 for the reserve fund.

Outstanding Budget Discussions

Finance Director Lessin provided updated budget requests for the FY2024 Budgets for Recreation & Beach Department, Council on Aging, and for the Census. Finance Director Lessin then provided an operating budget summary and reviewed a draft budget summary recap. Town Manager Tangeman reviewed potential new initiatives and potential overrides (police, fire and rescue, and childcare programs). Town Manager Tangeman briefed the draft potential tax impact of the potential new initiatives and potential overrides.

Members and Town staff discussed Public Safety's 14.2% budget increase that included the 4 new firefighters/EMTs; any outside funding for the FY2023 budget and potential outside funding for FY2024 regarding the 4 new firefighters/EMTs to defray the cost of hiring those individuals; the purchase of a new ambulance on the CIP but not on the operating budget; the concept of free cash (not free and not cash); projection of state aid to the Town; the publishing and distribution of visual aids to better educate the public on the annual budget process ahead of the Town Meeting; email visual aids to subscribers of the Town electronic newsletter; united in messaging to the public and challenge misconceptions which the public may have about the budget process; the \$600,000 projection for Public Safety's facility; the Pond Village Study; the Wastewater Management Plan; the need for a new ambulance; ALS transport; the high contract cost of a private ambulatory service provider as a solution; fire department administrator's responsibility for invoicing and managing collections versus a contractor performing those tasks; and the process for raising and appropriating funds.

Additional discussions ensued regarding concerns about the Town's staffing challenges to deliver services and programs which citizens expect and to keep the community safe; suggestion to implement the term "out of school services" versus "after school services" to better and accurately reflect the needs of families utilizing those services; the backup plan should hiring goals not be met for firefighters/EMTs (i.e. RFP for Coastal Ambulance or similar private ambulatory services provider for a short-term solution due to high cost that could be 2x or 3x more costly than annual Town provided ambulatory services and the hiring of out-of-state certified EMTs for a stop gap option); clarification of the role for the administrator for the after school program; the likely reduction of seasonal staff positions if the after school program is fully staffed; the advantages of individual departmental overrides versus group overrides; inclusion of overrides in Warrant articles; and the citizens' ability to amend Warrant articles.

Member Dundas and FinCom Vice Chair Wood had departed the meeting.

Members discussed the need for additional Budget Task Force meetings and the consensus was to further discuss the FY2024 budgets in the respective body's meetings as they are very transparent and open to the public. Chair Reed thanked all the presenters and Town staff.

Member Areson made a motion to adjourn the meeting at 10:14 am.

Member Rein seconded the motion.

Roll Call Vote:

Member Areson – Aye

Member Rein – Aye

Chair Reed - Aye

So voted, 3-0-0, motion carries.

Respectfully submitted,



Alexander O. Powers

Board/Committee/Commission Support Staff

Darrin K. Tangeman Under the Authority of the Truro Select Board

Public Records Material Attachment

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