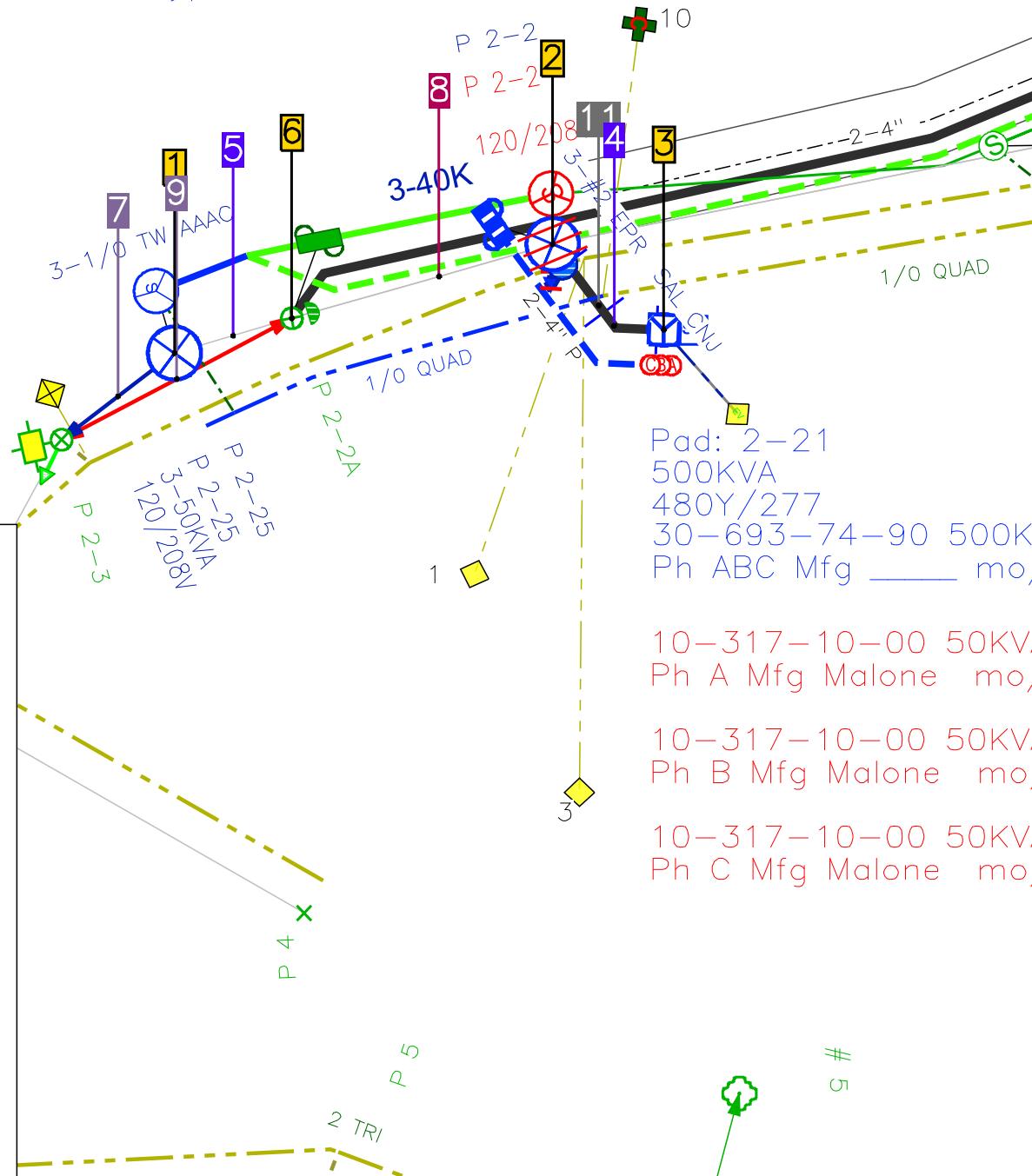


10-169-10-00 50KVA
Ph A Mfg _____ mo/yr ___/___

10-169-10-00 50KVA
Ph B Mfg _____ mo/yr ___/___

10-169-10-00 50KVA
Ph C Mfg _____ mo/yr ___/___

Cutout Type: Non-Porcelain
Cutout Type: Non-Porcelain
Cutout Type: Non-Porcelain



Pad: 2-21
500KVA
480Y/277
30-693-74-90 500K
Ph ABC Mfg _____ mo/yr

10-317-10-00 50KV
Ph A Mfg Malone mo/yr

10-317-10-00 50KV
Ph B Mfg Malone mo/yr

10-317-10-00 50KV
Ph C Mfg Malone mo/yr

ADDRESS: 1 Turner Ln, Randolph, MA
WR#: 31011488
FEEDER: 97W4 , 13.8 kV

New EV charger

- Pole 2-2:
- Replace pole w/ 45'C2 Build Pole top using @9-715A, @9-417ACL
 - Remove an existing OH 3PH XFMR
 - Transfer existing secondary and install clamps
 - Install 1/0 quad spanning to P2-2A
 - Transfer 3-PH and single PH Primary
 - Install Cutout fused at 3-40K
 - Install CS @18-126CC (3 phase riser construction)
 - Install 3 phase underground primary,#2 SAL 3-1\C from Riser pole to pad 2-21
 - Replace 10" helix anchor and 12.5M primary down guy

- Pole 2-2A:
- Replace pole top @9-417A w/ @9-415A
 - Install 3-Ph Primary spanning to P2-25
 - Install clamps and install 1/0 quad spanning to P2-25
 - Remove existing P2P guy
 - Replace fuses w/ 3-65K

- Pole 2-25:
- Install pole w/ 45'C2 Build Pole top using CS @9-417ACL
 - Install new 3PH 150 kVA OH XFMR fused at 15K
 - Remove existing P2P guy and install new one spanning to P2-3
 - Transfer existing secondary and install clamps
 - Install new 1/0 quad spanning to P2-2A
 - Install 3-Ph primary spanning from P2-2A

- Pad 2-21:
- Install 500KVA 277/480V three phase pad mounted transformer
 - Install service connection at Pad 2-21
 - Meter Dept to install new meter on pad for Ev charger.

- Customer Scope:
- Install new concrete pad mounted for 3ph 500KVA (277/480) transformer and install ground grid.
 - Install 2-4" pvc sched 40 conduits concrete encased conduit from pole 2-2 to pad 2-21
 - Customer to provide bollards for protection around the transformer pad. Location and quantity of bollards to be determined by Trench Inspector
 - Contact Trench Inspector Scott Joyce 508-944-2670 before starting civil work and inspections
 - Customer does not need to supply a CT cabinet if we are installing meter on the transformer pad.
 - National Grid to supply meter socket, CT's and VT's. The meter, CT's, VT's to be located on transformer pad with hot sequence metering and must be wired before energizing.

Muhammad Jamous: (617)-405-1692

- Anchor - existing
- Anchor - replace
- Conduit - existing
- Conduit - install
- Cutout (Closed) - existing
- Cutout (Closed) - install
- Elbow - A phase
- Elbow - B phase
- Elbow - C phase
- Guy Wire - existing
- Guy Wire - install
- Guy Wire - remove
- Luminaire - Exi Fld Location
- Luminaire - Secondary Connector
- Luminaire - exi_location - Street Light
- Manhole - existing
- Misc Support (Tree) - existing
- OH Transformer (1ph) - existing
- OH Transformer (3ph Wye) - install
- OH Transformer (3ph Wye) - remove
- Pad - install
- Pole (Joint) - existing
- Pole (Sole NG) - existing
- Pole (Joint) - install
- Pole (Joint) - replace
- Primary OH (1ph) - existing
- Primary OH (3ph) - existing
- Primary OH (3ph) - install
- Primary UG (1ph) - existing
- Primary UG (3ph) - existing
- Primary UG (3ph) - install
- Riser - existing
- Riser - install
- Secondary (Street Light) OH - existing
- Secondary UG - existing
- Secondary OH - install
- Secondary Service (OH) - existing
- Secondary Service (UG) - existing
- Secondary Service (UG) - install
- Service Point - non-critical
- Service Point - Critical Customer
- Service Point - other
- Smart Monitor - ins_location
- Street Light Support - exi_location
- Switch (Closed) - existing
- Transformer Connection
- UG Transformer (3ph Wye) - install

0 45 90 FT



MAINLINE MAP/VOLTAGE CONVERSIONS UPDATE REQUIRED

07-25-31011488 1-10

NATIONAL GRID USA

WORK REQUEST: 07-25-31011488	T.D./T.C. 07
STORMS ORDER: 31011488	FEEDER NO. 7819073514
DATE: 10/28/2025	SHEET 1 OF 1
DESIGNER: Daniel Milligan	SUPV SIG:
JOB TITLE: Electric Vehicle Supply Equipment	
FOREMAN SIG:	
DESCRIPTION: New Comm Srv, 2nd Srv, EV Charging Station - part of NGrid Make Ready Program, 600amps, 277/480, 3P	
BUILT AS DESIGNED	
AS BUILT CHANGES	
PHONE NUMBER: 7819073514	
DATE:	
SUPV SIG:	