

This specification does not necessarily meet all requirements of local Building Departments. The contractor is responsible to ensure that the installation meets all AHJ requirements. This specification shall be used only in conjunction with the NBU Electrical Connection Policy and may not reflect all requirements of a specific installation. Meter location is determined by NBU. All customer installations require inspection by NBU.

Meter stand: 2" GRC, or IMC, continuing a minimum of **24 inches** below final ground grade with listed corrosion protection tape or polywrap extending 2" above and encased in concrete, 4 sack mix minimum. Top of pipe to have rain proof cap. As an alternative, a commercially available meter/disconnect pedestal will be acceptable. Proposed catalog numbers with complete description shall be submitted for approval.

Galvanized mounting channel, Kendorf or equivalent, 1 1/2" x 1 1/2":
Welded or bolted to stand with galvanized bolts.

Meter socket: 4' minimum and 6' maximum from center of socket to final ground grade when measured within 3' in front of meter. All electrical equipment must be secure at four points to two appropriately spaced mounting channels. Meter socket enclosure shall be electrically connected to line-side grounded neutral conductor and to load-side grounded neutral conductor.

Neutral to be marked with white tape in meter socket.

3Ø meter socket shall have plexiglass shield over meter jaws with lever bypass.

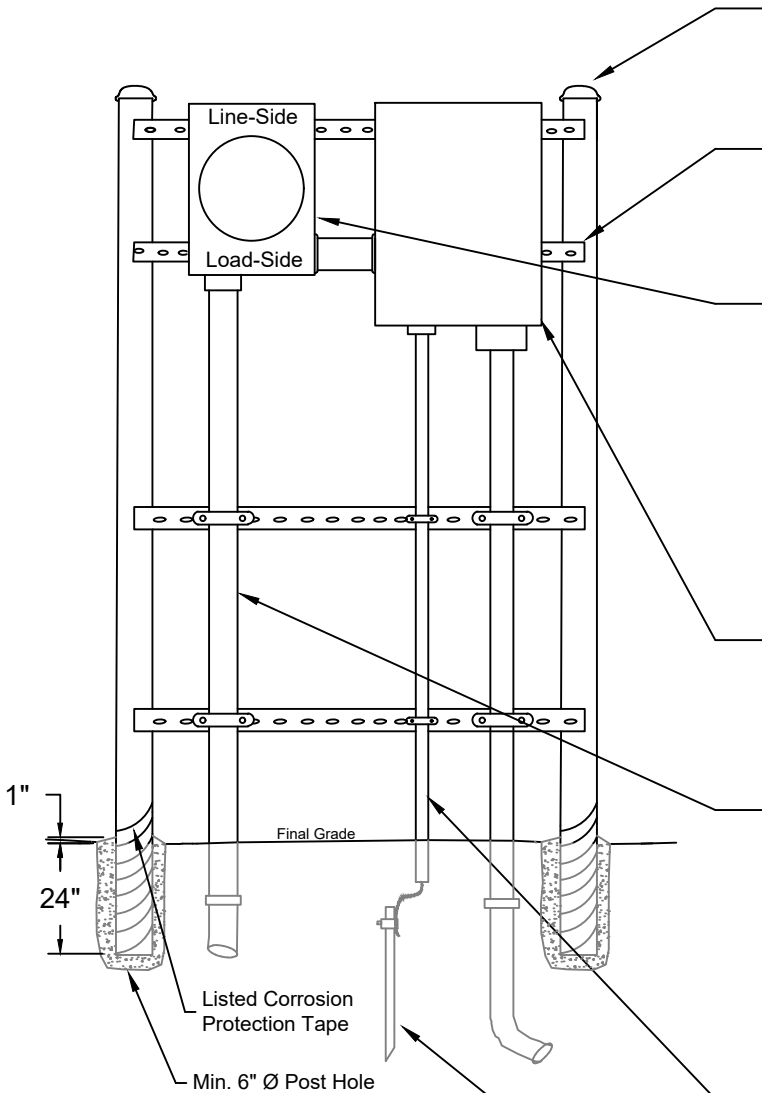
NBU approved 3Ø meter socket: Milbank # U9701 = 200amp
Substitution must be approved by NBU.

Weatherproof main disconnect: Located adjacent to meter socket, with minimum 3' unobstructed clearance in front. Secure at four points to two appropriately spaced mounting channels.

Conduit: **To be sized by NBU.** Install conduit to meter socket bottom knockout with greatest distance from main disconnect. Secure conduit to two appropriately spaced mounting channels with Kendorf strap or equivalent, or galvanized U bolt sized to fit conduit. When required, a reducer supplied by NBU shall be installed at the meter socket. All exposed conduit above ground shall be Schedule 80 PVC. All PVC will meet NEMA TC-2-1998 for electrical use. Install underground conduit and pull string according to NBU specification EU-910. Connect to NBU installed conduit stub.

Grounding electrode conductor: Minimum #6 copper. Connect to main disconnect/panel neutral bar (NEC 250.24 (A)(1)). Enclose in 1/2" sunlight resistant PVC conduit, continuing 2" below final ground grade and secure to two mounting channels with Kendorf straps or equivalent, or galvanized U bolts, sized to fit conduit. If required, install appropriate Intersystem Bond as per NEC 250.94 if installed one the GEC then the GEC must remain continuous and PVC protection must be maintained.

Ground rod: 5/8" x 8' copper-clad, driven 2" below final ground grade.



SERVICE MAIN RATING	WIRE TYPE	
	ALUMINUM 75°C	COPPER 75°C
100 Amp	#1	#3
125 Amp	#1	#2
200 Amp	4/0	2/0

Note: Other service rating shall be submitted to NBU Electric Engineering for approval.
Allowable single phase dwelling services, NEC 310-15 (B)(7)(1)

3Ø wire color code	
277/480V	120/208Y
AØ - Purple	Red
BØ - Brown	Black
CØ - Yellow	Blue



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METERING ASSEMBLY UNDERGROUND
SERVICE ON RACK
100AMP - 200 AMP

ISSUED

4/22

SCALE

NTS

DRAWING NUMBER

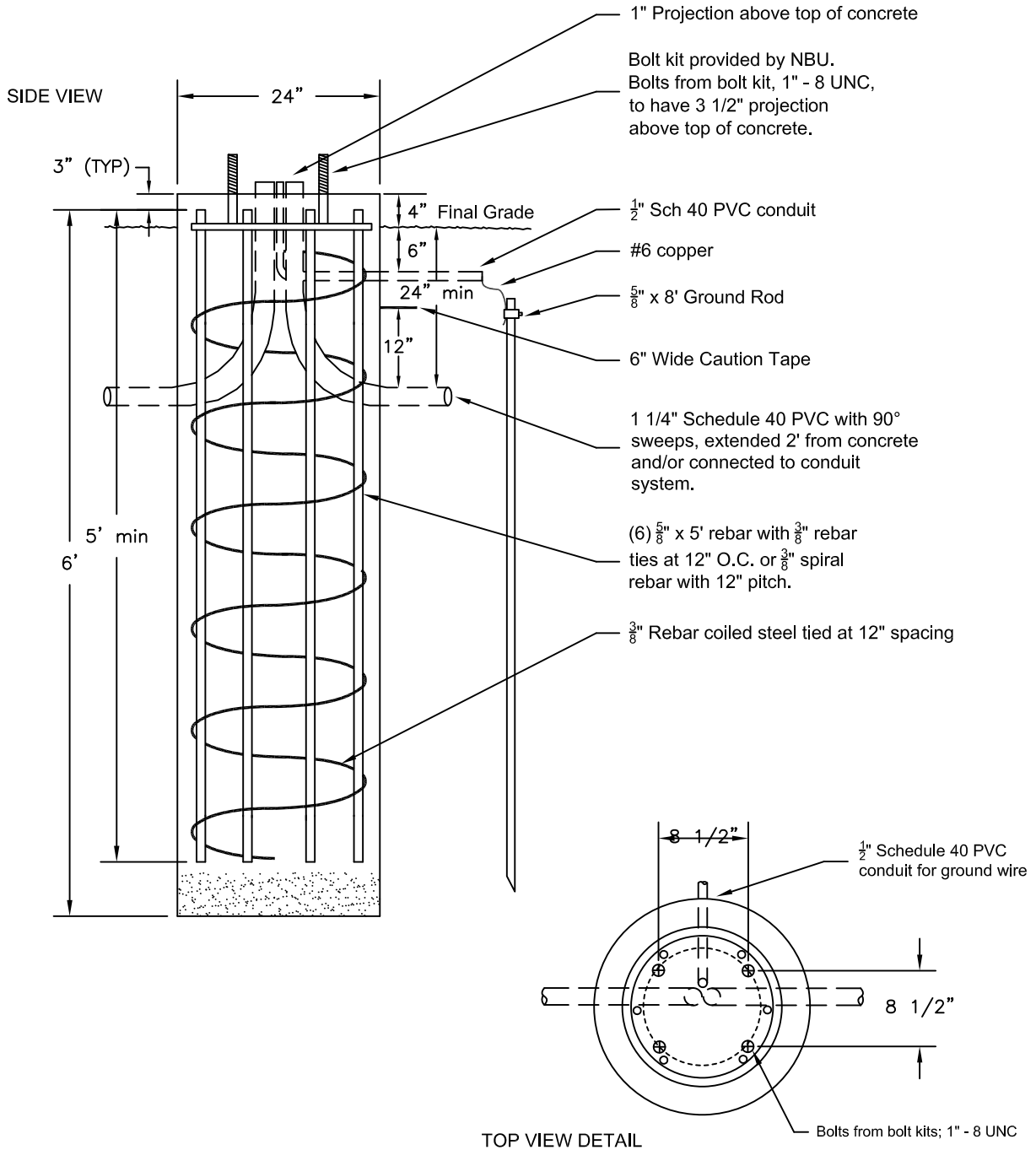
EU-020

This specification shall be used only in conjunction with the NBU Electrical Connection Policy and may not reflect all requirements of a specific installation.

Locations are determined by NBU.

Conduit positions, concrete forms, re-bar, and trench compaction to be approved by NBU before concrete is poured.

Concrete to be 3000 PSI with a 4" tooled radius on edge.



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STANDARD LIGHT FOUNDATION

ISSUED

04/21

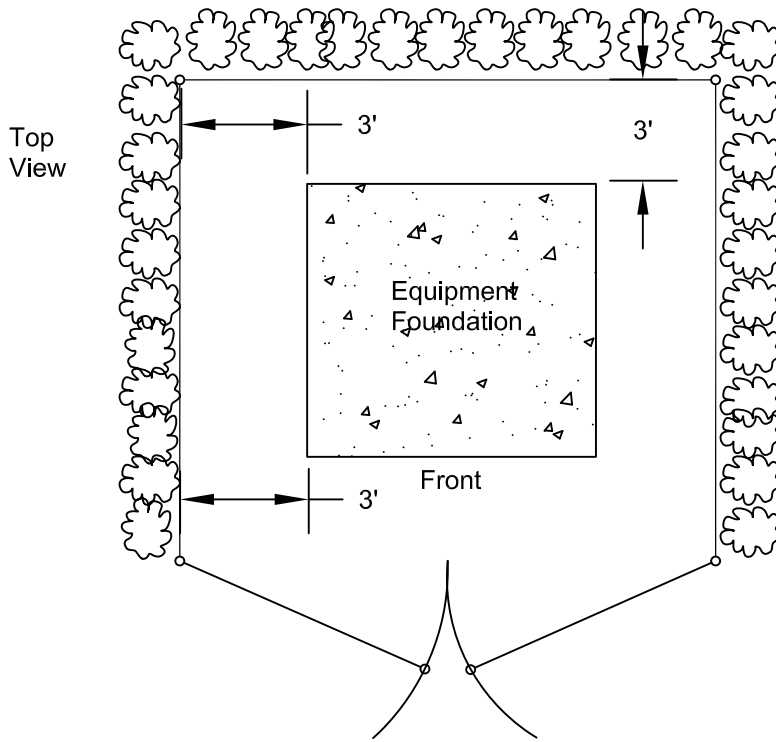
SCALE

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DRAWING NUMBER

EU-410

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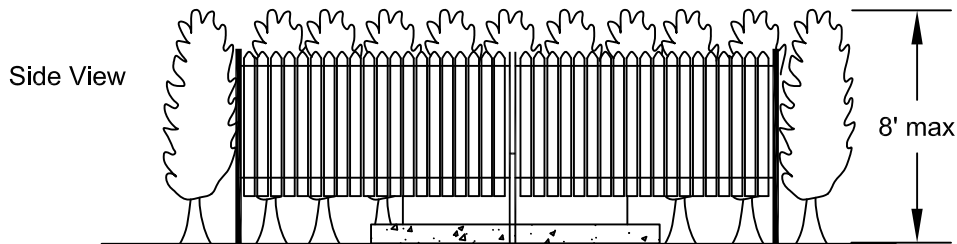


Transformer or pullbox location must be accessible at all times. Clearance around NBU equipment to any barrier shall be 3' minimum.

Any installation that would enclose any metering/disconnect assemble within the barrier shall be approved by NBU.

Barrier can be vegetation, chain link, wood, concrete block, or appropriate material. Fencing/gate material shall be designed to allow for adequate air circulation around equipment and is subject to NBU approval.

Site grading within the front 10' of a foundation shall not exceed a 7:1 slope. Access infrastructure, if necessary, shall be built as permanent structures, and shall meet requirements of any applicable right-of-way owner.



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PADMOUNT EQUIPMENT BARRIER CLEARANCES

ISSUED

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10/18

NTS

EU-500

Location of Bollards shall be determined by NBU Electric Engineering

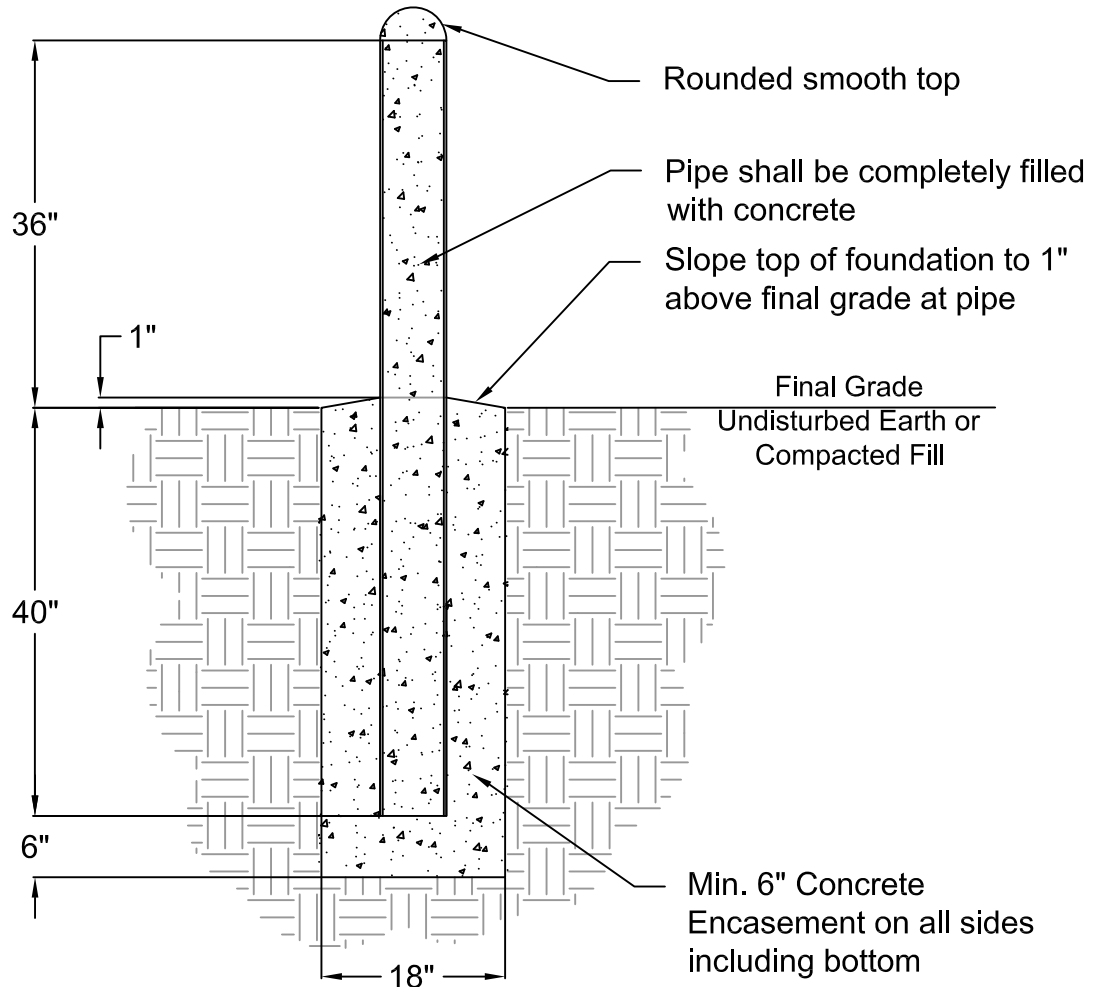
Bollards shall be 6" Diameter Schedule 80 Galvanized Steel Pipe

Concrete shall be minimum 3000 PSI

Exposed portions of Bollards shall be finished with one coat of rust inhibitive primer and two coats of epoxy paint (Safety Yellow)

Bollard foundation shall be 18" Diameter and 46" deep measured from final grade

Bollards shall be required where NBU equipment pads are within 6' to the front face of curb and/or 6' to a readily drivable surface (including driveways).



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EQUIPMENT PROTECTION BOLLARD

ISSUED

10/18

SCALE

NTS

DRAWING NUMBER

EU-505

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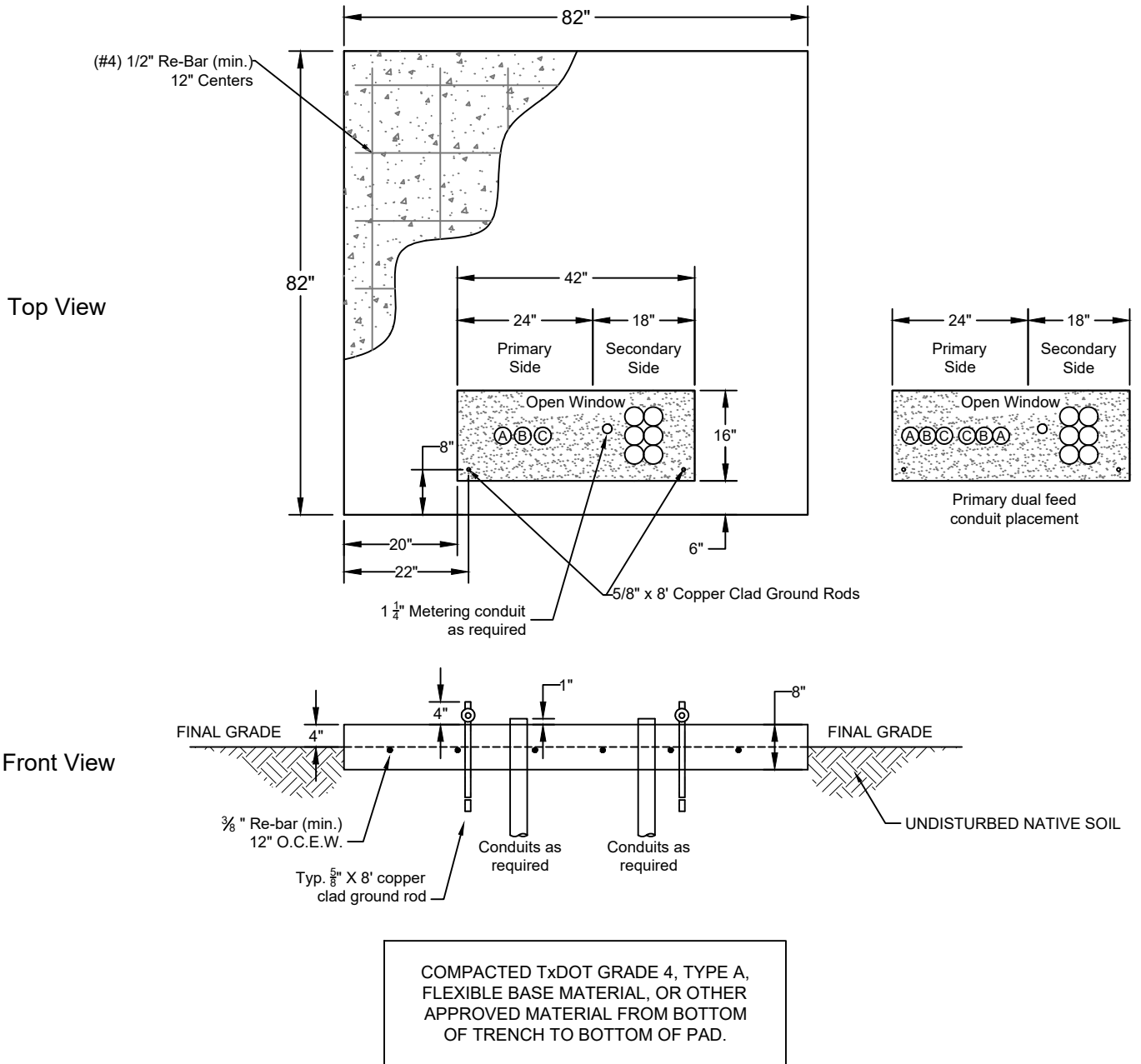
Underground conduit to be installed according to NBU specification EU-910. **Conduit to be sized by NBU** and have 1" projection above concrete, 36" radius, 90° sweeps. Pull string to be installed by customer.

Copper-clad ground rods, 5/8" x 8', 2 required, to have 4" projection above top on concrete.

Concrete shall be 3000 PSI minimum.

All primary and secondary stub outs shall be 10'-0" minimum.

Conduit positions, concrete forms, re-bar, and trench compaction to be approved by NBU before concrete is poured



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**THREE PHASE TRANSFORMER PAD
 75 - 300 kVA**

ISSUED

12/22

SCALE

NTS

DRAWING NUMBER

EU-510