

Date: 10/30/2024

RE: 11800 W Burleigh Street Wauwatosa, WI 53222 Request for Fence Exception

To whom this may concern,

At the new Amazon DML6 Delivery Station, located at 11800 W Burleigh Street, we will be installing a new electrical service to provide enough electrical power for the new EV chargers that will serve the electric Amazon delivery vans that will be used at this location. The new electrical service will include the construction of a new power pole substation at the Southeast corner of the property. These new power poles will be fed from the existing power poles that line the North side of Burleigh Street. Per the National Electrical Safety Code (NESC), it is required that a 7-foot-tall fence is installed around the new power poles on the property. The new fence will be a black vinyl coated chain link fence. Therefore, in order to complete the construction of the new substation and to be in compliance with NESC codes, we are requesting an exemption to the City of Wauwatosa Fence Regulations, to install a 7-foot-tall fence around the new substation. On the subsequent pages, please find the NESC codes that dictate the 7-foot-tall fence requirement. Please also find product information on the black vinyl coated chain link fence that we are proposing to install, as well as photos of an identical substation that was completed at another Amazon facility in Wisconsin.

Thank you,

William MacDonald, Estimator/Project Manager

Moore Construction Services, LLC

W146N5650 Enterprise Ave Menomonee Falls, WI 53051

1) illian Madardd

The National Electrical Safety Code (NESC) requirement for a 7-foot fence is in Rule 110A of Section 11. This rule states that metal fences used to enclose electric supply stations with energized equipment or conductors must be at least 7 feet tall and grounded in accordance with Section 9.

According to the National Electrical Safety Code (NESC), substation fences must meet the following requirements: Height Fences must be at least 7 feet tall, or 6 feet tall with three strands of barbed wire. Barbed wire Barbed wire must be bonded to the fence's grounding system. Safety clearance Fences must have a safety clearance zone of at least 10 feet from exposed energized parts. Signs Signs must be posted on each gate or entrance, and on each side of the fence. Signs must meet ANSI Z535 standards and be readable from a distance of 15 feet. 🛭 🛭 🛭 Grounding Grounding conductors must be installed 3 feet inside and outside the fence. Fence posts must be conductive, and there should be a connection to the ground cable every 50 feet. 🕝 Barred wire extender/holder Barbed wire should sit in loose slots of a barbed wire extender/holder, which is connected to the top of each fence post. **Openings** Openings in the fence or gate should be avoided. 🕝 Cantilever gates Substations with limited property may need cantilever gates to remove equipment or accommodate wider gates.

Figure 1: National Electrical Safety Codes that Mandate the Installation of a 7-foot-tall fence around a substation

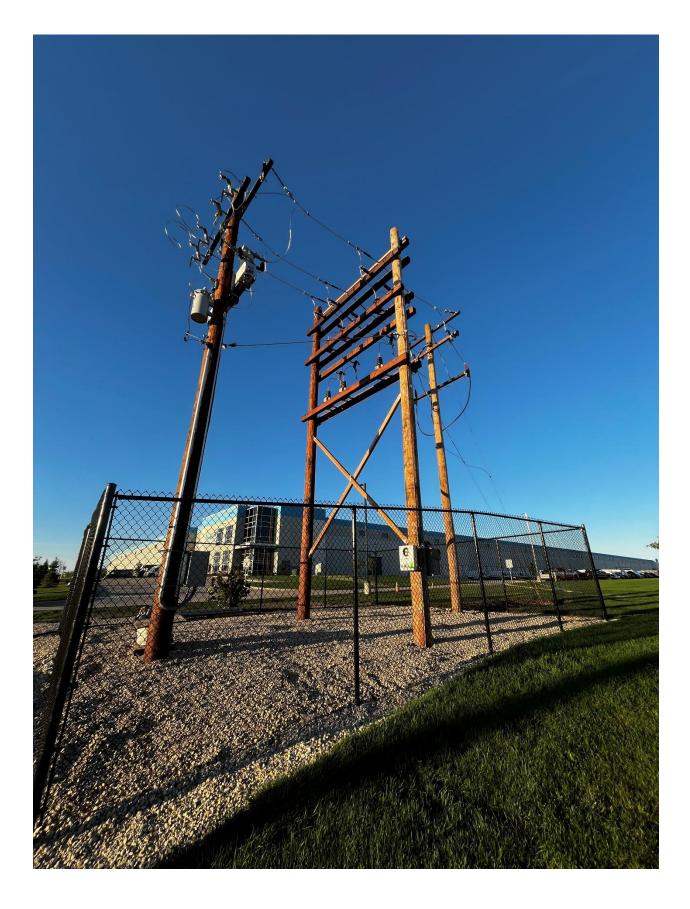


Figure 2: Image of an identical substation and 7-foot-tall black vinyl coated chain link fence installed around a new substation at another Amazon location in Wisconsin



Figure 3: Image of the proposed black vinyl coated chain link fence for visual reference of the fence material