

## DESIGN MEMO

To: Designers, Contractors, and City Departments  
Date: January 10, 2023  
Subject: Duct Bank Plan Representation  
Category: CAD Standards

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The purpose of this memo is to define illustration standards for existing and proposed utility duct banks.

1. Any ducts  $\geq 24"$ , the width shall be shown graphically. Plan scale (1" = 10' or 1" = 20') will not impact this directive. Any duct  $\geq 24"$  shall show centerline of duct and the outside limits. For duct banks smaller than 24", do not illustrate the size of the duct bank graphically. This is subject to change if approved by the City PM.
2. Show duct bank centerline with nomenclature for duct bank type (eg. EDB, CDB, etc.) and outside edges as a dashed line the same color as the centerline.
3. If width of the duct bank changes along its alignment, illustrate the width graphically. Do not label size change of the duct in transition sections with a leader due to added clutter in the overall sheets.
4. Duct bank configuration shall be called out on the duct bank plan and profile sheets. The orientation and configuration of the duct bank shall be clearly identified graphically. Duct bank dimensions shall be shown on the duct bank typical section details.
5. Size (outside dimension) of the utility structure (vault) to be shown. For existing conditions, the designer should follow the scope of survey services and SUE requirements as outlined by the City for the Project.

See City of Columbus Sample Plan for examples.

