

Electrical

Underground Ducts and Raceways (26 05 43)

For questions regarding this section contact: AECM
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Part 1 – General

- Reference: [Uptown Campus, Primary Electric Master Plan](#), pages 15 – 19
 - Distribution of MV electrical conductors (13.8 KV) will be via a system of concrete encased ductbank and full height manholes.
 - Manhole and duct banks for medium voltage electrical distribution and signal system distribution.
 - MV Manholes will be sized for separable connectors and parking stations at all building take-offs and main branches.

Part 2 – Product

- Precast reinforced manhole with cast iron manhole frame and gasketed cover, 36 inch diameter round opening for vehicular loading with cast label: HIGH VOLTAGE or SIGNAL as appropriate – Campbell #1012B or equal.
- Include, as defined in the above Design Standard: sump pit with cast iron grating, cable racks, pulling eyes, reinforced bells, ladder rungs, grounding.
- Must comply with AASHTO H2O loading and ASTM C978
- Duct bank per Primary Electric Master Plan - Program Study, Design Standards to be encased in reinforced concrete using side forms, including spacers, base material, coated re-bar.
- Duct bank to be no less than 18 inches below finished grade or paving.