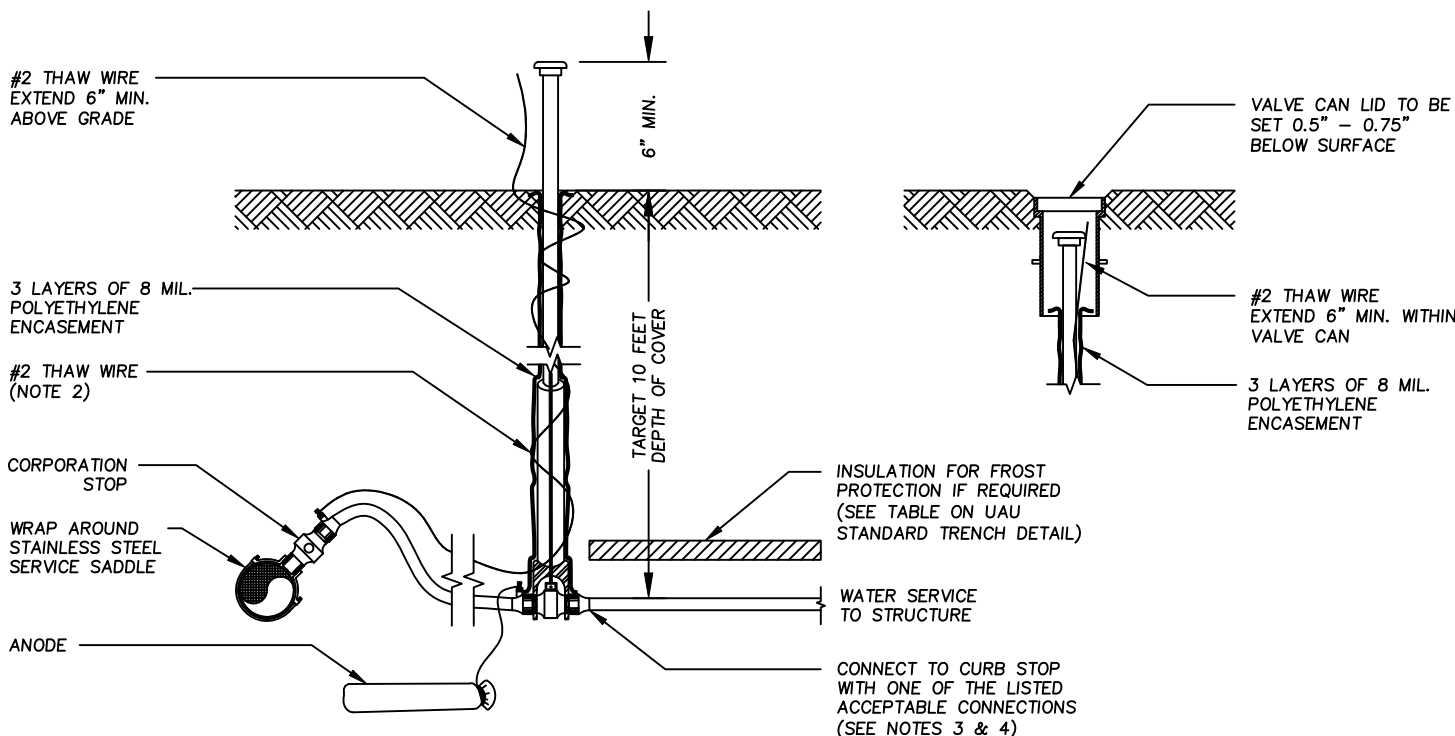


**ALTERNATIVE A:
STANDARD KEYBOX CONFIGURATION**

**ALTERNATIVE B:
SUBGRADE KEYBOX FOR TRAFFIC
AREAS**



D2 STANDARD SERVICE CONNECTION KEYBOX

SCALE: NTS

NOTES:

1. When a keybox is located within a driven way or in an area vulnerable to vehicle or plow damage, a paving sleeve and lid shall be installed per Alternative B
2. Thaw wire is to be #2 gauge insulated copper wire that is laid parallel to the service line without contacting the service line. Thaw wire shall be connected to the corporation stop and brought to the surface at the keybox, extending a minimum of 6" above grade or within the paving sleeve.

Approved Materials:

1. Plastic coated Type K Copper
2. SDR11 200 psi rated HDPE PE7410 with 10 gauge tracer wire

Approved End Connection:

1. AWWA C800 compliant Pack Joint style compression fitting (stainless steel insert required for plastic pipe)
2. Polly-cam style threaded HDPE transition (lead free brass or stainless steel)
3. Flare adapter HDPE transition AWWA C800 compliant
4. Flare fitting (Type K Copper)

Approved Joining Methods:

1. HDPE Butt Fusion (1.5" and larger)
2. HDPE Socket Fusion (< 1.5")
3. AWWA C800 compliant Pack Joint Style compression fittings (stainless steel insert required for plastic pipe)
4. AWWA C800 compliant Flare fitting 3 part union (Type K Copper) wrapped in viscotac.
5. Silver solder (Type K Copper)

Prohibited Joining/End Connection Methods:

1. HDPE Butt Fusion on pipe smaller than 1.5"
2. HDPE Electrofusion in buried applications
3. King nipple and clamp
4. Push Fit fittings such as shark bite (Non-AWWA C800 Compliant)
5. Non-Silver Soldered Copper

Prohibited Materials:

1. Galvanized or Black Iron steel pipe or fittings
2. Leaded brass fittings
3. Uncoated copper pipe
4. PVC

D2

DESIGN: OM
DRAWN: OM
CHECKED: DK
DATE: 3/16/23
REV./DATE:

SERVICE CONNECTION
STANDARD DETAIL

STANDARD SERVICE
KEYBOX

UNIFIEDAK
UTILITIES

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