

CITY OF KALAMAZOO
SPECIAL PROVISION
FOR
WATER MAIN LINE STOP

1 of 2

a. Description

This work consists of providing, installing and operating a water main line stop (Hydra-Stop) to isolate a section of existing live water main as described herein. Water main line stop shall only be performed if existing valves are not capable of isolating the existing piping. If necessary, line stops will be performed in green areas.

b. Materials

Provide materials in accordance with section 823 of the 2020 MDOT Standard Specifications for Construction, City of Kalamazoo Standard Specifications for Water Main and Service Installation 2021, and the Project Plans and Specifications. Submit catalog cuts to the Engineer for approval prior to ordering line stop materials.

c. Construction

Complete all work in accordance with the City of Kalamazoo Standard Specifications for Water Main and Service Installation 2021 and the Project Plans and Specifications. Verify the material, size, ovality and condition of the existing water main prior to ordering the line stop materials.

Verify the pressure in the existing main is below the line stop manufacturer's recommendation before installation of the line stop.

Do not attempt to force, reshape, or bend saddle plates by excessive tightening of saddle studs.

Utilize concrete supports and reaction blocking for the line stop fitting.

Complete a pressure test after assembly of the line stop saddle, drain nozzle and fitting.

Install a completion plug, blind flange and check for water tightness prior to abandonment of the line stop fitting. Coat the whole assembly with a coal tar epoxy to a final minimum cured thickness of 0.020 inches.

d. Measurement and Payment

The completed work, as described, will be measured and paid for at the contract unit price using the following pay item:

| <u>Pay Item</u> | <u>Pay Unit</u> |
|------------------------------|-----------------|
| Water Main Line Stop, 8 inch | Each |

Water Main Line Stop, _ inch includes payment in full for furnishing all material, labor and equipment necessary to perform the work specified herein and shown on the plans.

Perform all work required in conjunction with dewatering operations, without separate payment, and consider it is included in the **Water Main Line Stop, _ inch** pay item.

Furnish all labor, equipment and materials for trench excavation, disposal, backfill and consider it is included in the **Water Main Line Stop, _ inch** pay item.

Perform all removals and surface restoration of pavement, curb, gutter, sidewalk, turf, trees, shrubs, fence, etc. and consider it is included in the **Water Main Line Stop, _ inch** pay item.