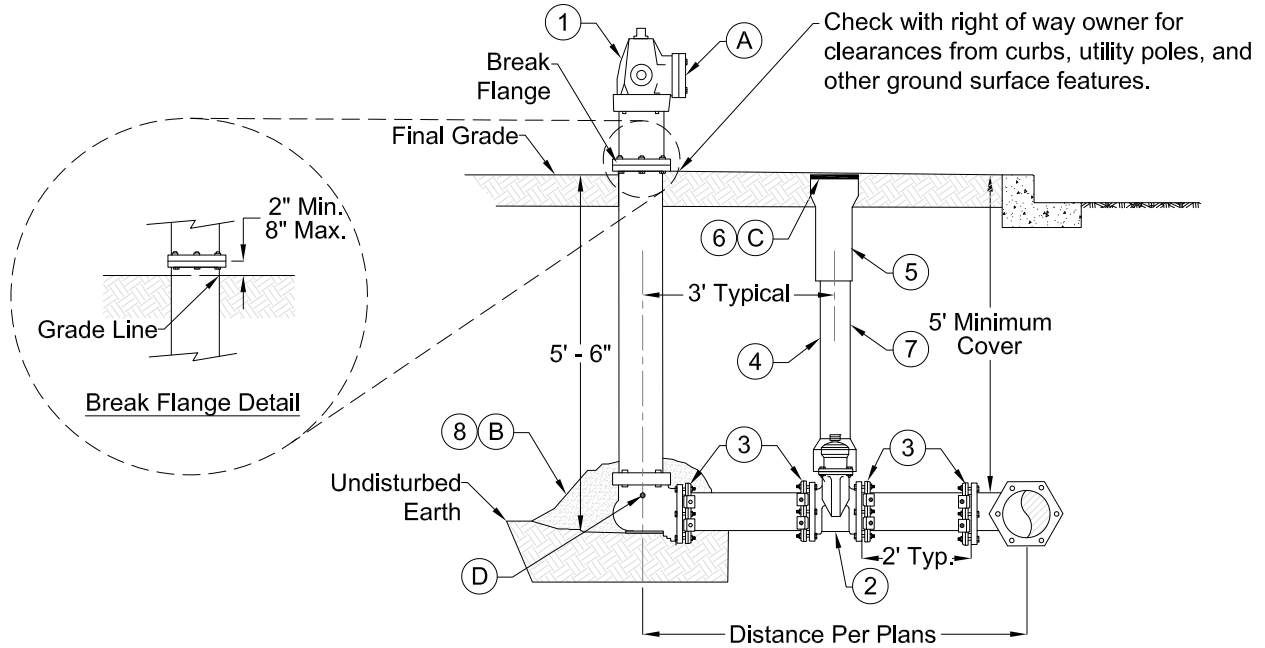




# WATER T&D Construction Standard

## TYPICAL FIRE HYDRANT INSTALLATION

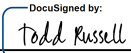
APPLICATION: Hydrant taps off water mains.

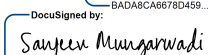


MATERIALS			
REF	ITEM NO.	QTY	DESCRIPTION
1	35-00073	1	HYDRANT, TRAFFIC, 5'6" RED WITH 6" MJ INLET
2	38-02063	1	VALVE, GATE 6" MJ X MJ RESILIENT WEDGE
3	36-23529	4	GLAND, RETAINER, WEDGE TYPE, 06"
4	36-05406	1	VALVE BOX, BOTTOM SECT, 30" SCREW TYPE
5	36-05646	1	VALVE BOX, TOP SECT, 26" SCREW TYPE
6	36-05480	1	VALVE BOX, DROP LID, 5.25" MARKED WATER
7	36-05240	1	VALVE BOX, SCREW TYPE EXT, 14" MAX
8	NON-STOCK	AS REQ'D	WASH STONE, HYDRANT, 1-1/2" to 2"

**INSTALLATION NOTES:**

- Typical fire/traffic hydrant is installed directly on the side lot line. Other locations may be specified when required.
  - All connections must be mechanical joint unless otherwise approved by the Engineer.
  - Refer to BWL Engineering for alternate methods of restraint.
  - Backfill around hydrant and valve shall be compacted per Water T&D Construction Standard W-10-0005.
  - Secure the hydrant to keep barrel upright during installation.
- (A) Pumper nozzle connection shall always face the street. A plumb bob, level or similar device shall be used to assure a vertical/upright hydrant installation.
- (B) Drainage bed shall be located at least 10ft from both storm and sanitary sewers and sewer leads and shall consist of a minimum of 1/2-yard of 1-1/2" to 2" washed stone.
- (C) Adjust valve box lid to be level with finish grade.
- (D) Drain ports shall be plugged unless a competent person on-site determines they may remain open. Drain ports shall not be opened if the competent person observes or suspects seasonal or permanent high groundwater table or the presence of contamination in the area of the hydrant installation.

Manager, Water & Steam Distribution  Date: 1/12/2023

Director of Water Operations  Date: 1/12/2023