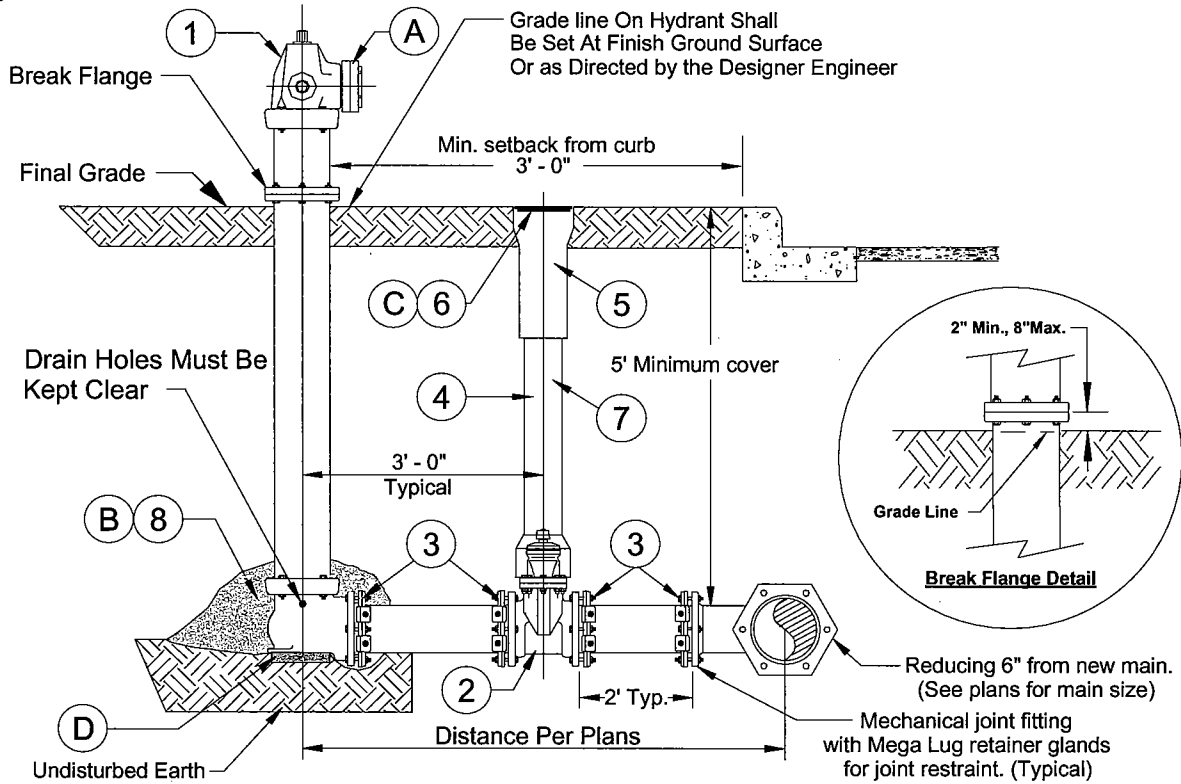


LANSING BOARD OF
WATER & LIGHT

Water T&D Construction Standard

TYPICAL FIRE HYDRANT INSTALLATION

APPLICATION: Hydrant taps off water mains.



MATERIALS			
REF	ITEM NO.	QTY*	DESCRIPTION
①	35-00060	1	Hydrant, Traffic, 5"
②	38-02063	1	Valve, Gate, 6" MJ x MJ, resilient wedge
③	36-23529	4	Gland, Retainer, wedge type, 6"
④	36-05406	1	Valve box bottom, 30" screw type
⑤	36-05646	1	Valve box top 26" screw type
⑥	36-05480	1	Valve box lid marked "WATER"
⑦	36-05240	If Req'd	Valve box extension 14"
⑧	77-60901	1/2 yd (Min.)	Stone, Hydrant, 1-1/2" to 2"

* Required for one hydrant installation

INSTALLATION NOTES

- Typical fire/traffic hydrant is installed directly on the side lot line. Other locations may be specified when required.
 - If break flange is greater than 8" above grade, damage is likely to occur if hit. See detail above.
 - Refer to LBWL Engineering for alternate methods of restraint.
 - Backfill around hydrant and valve shall be compacted per Water T&D Standard W-10-0005.
- (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 10 ft from both storm and sanitary sewers, and sewer leads, and shall consist of a minimum of 1-1/2 yard of 1-1/2" to 2" washed stone.
- (C) Valve box lid shall be level with ground or paving.
- (D) Place a flat brick or a section of board beneath the hydrant foot piece to keep barrel upright during installation.

Manager, System Integrity & Customer Projects

DK Wood

Date: 10/18/04

Manager, Water T&D Resource Center

B. McLeod

Date: 10/19/04