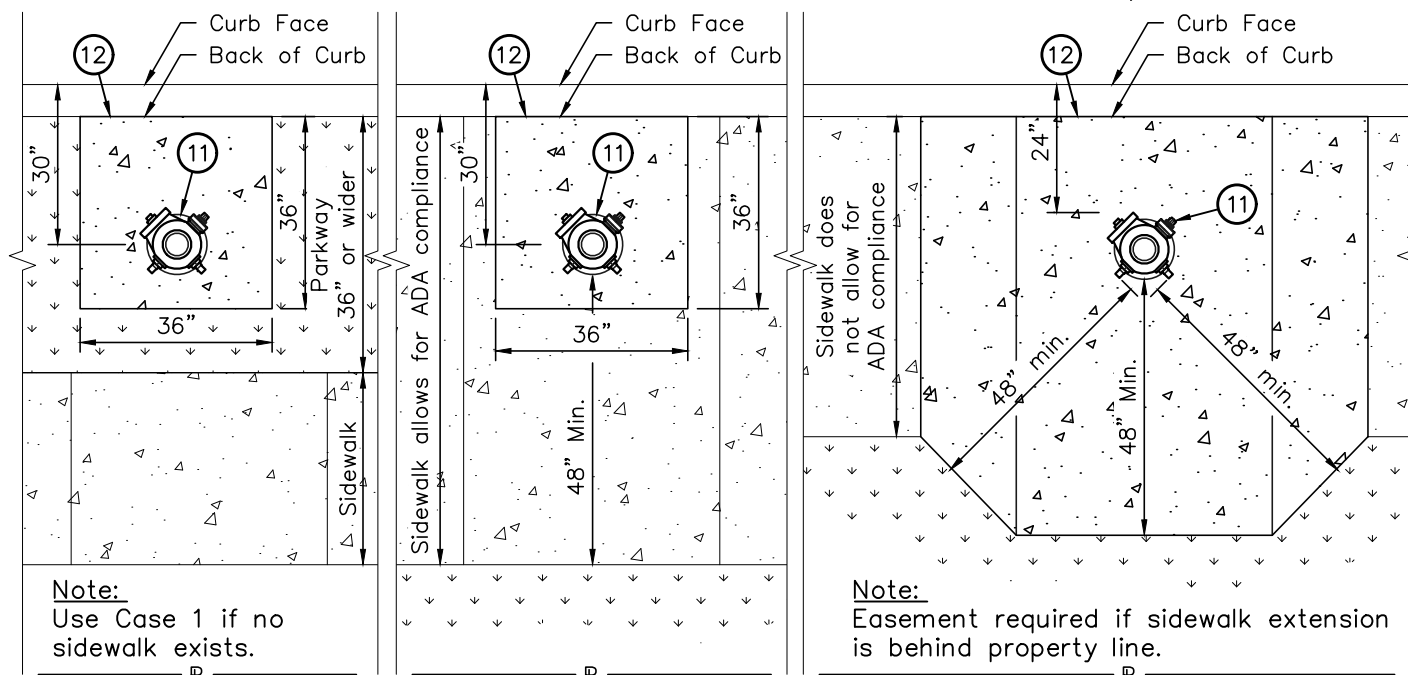




DEPARTMENT OF PUBLIC WORKS

LIST OF MATERIALS

- ① Tee, main size x 6" (MJ x MJ x FLG) for new main installation
Tapping sleeve, for existing main
- ② 6" gate valve (FLG x MJ) resilient-seated
- ③ Valve box per Standard Drawing 650 and 651
- ④ Restraint device
- ⑤ 6" ductile iron pipe, thickness class 52, with restrained joints
- ⑥ Thrust block (see Note 9)
- ⑦ 6" x required length DI fire hydrant bury – Restrained MJ Inlets
- ⑧ Break-off check valve, see detail on Sheet 1.
- ⑨ Gasket
- ⑩ Solid bolt, hex head $\frac{5}{8}$ " x 3" and nut, electrodeposited coating of zinc
- ⑪ Wet barrel fire hydrant
- ⑫ 4" concrete pad, class 520-C-2500 (see Note 3)
- ⑬ 2-way reflecting blue pavement marker (see Note 7)

NOTES

1. Refer to the City of Fullerton's Approved Materials List for approved manufacturers and model numbers.
2. See Section 5-03.04 of these Specifications for polyethylene protective wrapping requirements.
3. Top of concrete pad must match the top of curb and top of sidewalk.
4. See Section 5-10 of these Specifications for hydrant painting requirements.
5. Hydrant cast iron caps and valve stems shall have $1\frac{1}{8}$ " pentagon operation nuts.
6. Fire hydrant location:
 - A. Hydrant a minimum 7' Clear from BCR, ECR or top of "X" of driveways.
 - B. Contractor to verify with Engineer and Fire Department the exact fire hydrant location prior to construction.
7. Two-way reflecting blue pavement marker location:
 - A. Two-way streets or roads:
Place markers 6" from edge of painted centerline on the side nearest the fire hydrant. If the street has no centerline, place the marker 6" from the approximate center of the roadway on the side nearest the hydrant.
 - B. Streets with left turn lane at intersection:
Place markers 6" from edge of painted white channelizing line on the side nearest the hydrant.
 - C. Streets with continuous two-way left turn lane:
Place markers 6" from the edge of the painted yellow barrier line on the side nearest the fire hydrant.
8. Fire hydrants installed in locations without curbs or with rolled curbs or as directed by the City Engineer shall be protected by guard posts per Standard Drawing 615.
9. Thrust blocks maybe required when connecting to an existing hydrant lateral. Thrust blocks are not required when hydrant lateral is fully restrained.
10. Contractor shall use additional restrained bends as necessary to avoid existing or proposed utilities.
11. Fire hydrants must have a tag from the manufacturer that states it meets Fullerton's specifications.

STANDARD FIRE HYDRANT INSTALLATION

	REVISIONS					5/9/2022 DATE		5/24/2022 DATE	STANDARD DETAIL 610
	NO.	DATE	NO.	DATE					
	1	07/15/94	4	02/29/16					
	2	12/01/00	5	04/30/18					
	3	02/11/13	6	04/20/22	CITY ENGINEER 				

DEPARTMENT OF PUBLIC WORKS

SHEET 2 OF 2