

- ① 6" FIRE HYDRANT WITH EXTENSIONS, WITH 4" PUMPER OUTLET (ORIENTED TO THE CURB) AND TWO 2-1/2" (INCH) OUTLETS. FIRE HYDRANT SHALL BE MUELLER A-423 SUPER CENTURION 250, MUELLER A-442 MODERN CENTURION OR EQUAL.
- ② 6" WATER MAIN, ALL JOINTS RESTRAINED PER CITY OF BREA STD PLAN 312.
- ③ CONCRETE THRUST BLOCK PLACED AGAINST UNDISTURBED TRENCH WALLS.
- ④ 36" SQ. CONCRETE (470-C-2500) COLLAR (IN LANDSCAPED AREAS ONLY).
- ⑤ BLUE RAISED PAVEMENT MARKER, LOCATED PER SHEET 2 OF THIS DETAIL OR AS DIRECTED BY THE CITY ENGINEER.
- ⑥ DRAIN HOLES SHALL BE PLUGGED AT BOTTOM OF THE HYDRANT.

**NOTES:**

- 1. INSTALL JOINT PAPER AROUND PIPE HYDRANT WHEN INSTALLED IN SIDEWALK.
- 2. PAINT THE FIRE HYDRANT WITH ONE (1) COAT RED OXIDE PRIMER AND TWO (2) COATS OF STANDARD SILVER ENAMEL. PAINT THE BONNET AND SIDE CAPS WITH TWO (2) COATS OF IRISH GREEN ENAMEL.
- 3. MAINTAIN A CLEAR ZONE, MINIMUM 4' BEHIND AND 8' TO EACH SIDE OF FIRE HYDRANT.
- 4. FIRE HYDRANT SHALL BE LOCATED AT LEAST 5' OUTSIDE OF CURB RETURN AND 5' OUTSIDE OF THE TOP OF DRIVEWAY DEPRESSION.
- 5. FIRE HYDRANT SHALL BE LOCATED AT THE END OF CUL-DE-SAC STREETS OR DEAD END MAINS.



**FIRE HYDRANT ASSEMBLY**

APPROVED:

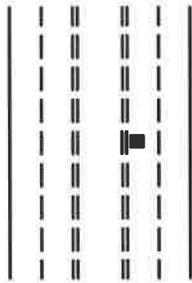
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CITY ENGINEER

DATE: 10-15-2013

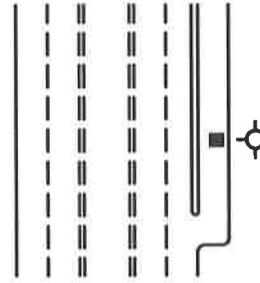
STD. PLAN NUMBER

**306-0**

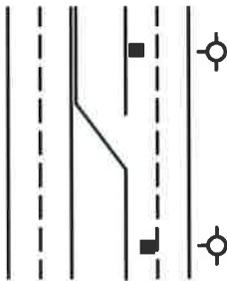
SHEET 1 OF 2



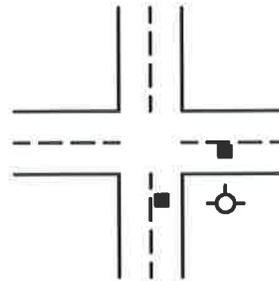
**1. STREET WITH LEFT TURN LANE**  
 MARKER TO BE PLACED 6" AWAY FROM DOUBLE LINE ON HYDRANT SIDE (NOT ON THE LINES).



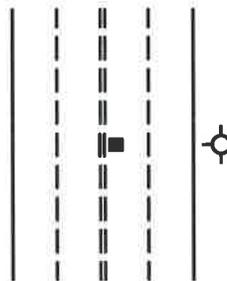
**5. STREETS AND FRONTAGE ROADS**  
 MARKER TO BE PLACED 6" OFF CENTER LINE OF FRONTAGE ROAD ON HYDRANT SIDE.



**2. STREET WITH LEFT TURN POCKET**  
 MARKER TO BE PLACED 6" AWAY FROM THE LINE AS SHOWN.



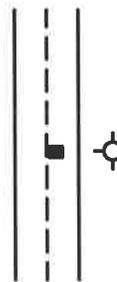
**6. INTERSECTION WITH CORNER HYDRANT**  
 MARKERS TO BE PLACED 6" OFF CENTERLINE ON HYDRANT SIDE FOR BOTH STREETS.



**4. STREET WITH DOUBLE CENTER LINES**  
 MARKER TO BE PLACED 6" AWAY FROM DOUBLE LINES ON HYDRANT SIDE.



**7. CUL-DE-SAC AND F.D.C.**  
 MARKERS TO BE PLACED 6" OFF CENTERLINE ON HYDRANT SIDE.



**8. RESIDENTIAL STREETS**  
 MARKERS TO BE PLACED 6" OFF CENTERLINE ON HYDRANT SIDE.

**LEGEND**

- FIRE HYDRANT (1 MARKER)
- ⊗ FIRE DEPARTMENT CONNECTION (2 MARKERS)
- BLUE MARKER



**FIRE HYDRANT ASSEMBLY**

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*[Signature]*  
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SHEET 2 OF 2