



**CONSTRUCTION NOTES**

**\* FOR TAPPING INSTALLATION TO EXISTING MAINS REFER TO STD 511**

- ① 6" C-900 P.V.C PIPE.
- ② 6" RESILIENT WEDGE GATE VALVE, FE x MJ WITH RETAINER GLAND.
- ③ 6" DUCTILE IRON HYDRANT BURY M.J.
- ④ FIRE HYDRANT SHALL BE DUCTILE IRON 6" x 4" x 2 1/2" CLOW MODEL #850 OR JONES MODEL #J4040. HYDRANT SHALL BE EQUIPPED WITH 1-4" OUTLET NORMAL TO CURB FACE AND 1-2 1/2" OUTLET PARALLEL TO CURB FACE. IN COMMERCIAL & HIGH DENSITY ZONES USE DUCTILE IRON 6" x 4" x 2 1/2" x 2 1/2" CLOW MODEL #860 OR JONES MODEL #J4060. ALL HYDRANTS SHALL HAVE 6 BOLT PATTERNS AND POWDER COATED EPOXY WITH POLAR WHITE PAINT.
- ⑤ BREAK OFF CHECK VALVE. MAKE AND MODEL SHALL BE APPROVED BY THE UTILITIES DEPARTMENT.
- ⑥ TYPE 316 STAINLESS STEEL 5/8" HEX HEAD NUTS AND 5/8"-11 HEX HEAD BOLTS NOT REQUIRED WITH CHECK VALVE INSTALLATION.
- ⑦ BRONZE TAPERED HYDRANT OUTLET CAP WITH BRASS THREADS. PLASTIC ARE STRICTLY PROHIBITED. CAPS AND OPERATING VALVE STEMS SHALL HAVE 1 1/8" PENTAGONAL OPERATING NUT.
- ⑧ CONCRETE THRUST BLOCK PER STD 516-A.
- ⑨ THE TRACING WIRE SHALL BE ATTACHED OUTSIDE THE VALVE RISER AND 18" OF WIRE SHALL BE DROP INTO THE RISER FROM THE VALVE BOX.

**GENERAL NOTES**

- 1. ALL FLANGE BOLTS SHALL BE TYPE 316 STAINLESS STEEL COATED WITH ANTI-SEIZE COMPOUND (EXCEPT WHERE OTHERWISE NOTED).
- 2. PAINT FIRE HYDRANT WITH 2 COATS OF WHITE, RUSTOLEUM PAINT.
- 3. MAINTAIN 42" CLEARANCE WHERE HYDRANTS ARE PLACED ON NARROW SIDEWALKS.
- 4. ALL DUCTILE IRON FITTINGS SHALL BE ENCASED IN POLYETHYLENE WRAP PER AWWA STANDARD C105.

FORMER CITY STANDARD PLAN NUMBER (2004 EDITION): STD 500-L

|                           |       |            |     |      |                          |
|---------------------------|-------|------------|-----|------|--------------------------|
| APP. <i>James M. Hall</i> | 51568 | 11/24/2020 |     |      |                          |
| CITY ENGINEER             | RCE   | DATE       |     |      |                          |
|                           |       |            | NO. | DATE | DESCRIPTION OF REVISIONS |

**CITY OF NEWPORT BEACH DEPARTMENT OF PUBLIC WORKS**

|                 |                                |                      |
|-----------------|--------------------------------|----------------------|
| DRAWN: M. ELIAS | <b>WET BARREL FIRE HYDRANT</b> | STANDARD DRAWING NO. |
| DATE: 11/3/2020 |                                | <b>501</b>           |
|                 |                                | SHEET 1 OF 1         |