



ITEM	MATERIALS	QTY.
①	DI TEE, MAIN SIZE X 4" (MJ X FLG. OUTLET).	1 EA
②	4" RW GATE VALVE, FLG. X MJ.	1 EA
③	4" DIP OR C-900 PVC WHERE REQUIRED.	VARIES
④	4" MJ X FLG. ADAPTER.	1 EA
⑤	*4" x 3" REDUCER 90° ELL, OR 4" 90° ELL, FLG. X FLG.	1 EA
⑥	*3" OR 4" DIP SPOOL, FLG. X FLG.	VARIES
⑦	*3" OR 4" 90° ELL, FLG. X FLG.	1 EA
⑧	*3" OR 4" BRASS STRAINER.	1 EA
⑨	*3" OR 4" TURBINE METER (RADIO READ R900i W/ ANTENNA).	1 EA
⑩	VALVE BOX PER OWD-101.	1 EA
⑪	CONC. VAULT PER SPEC. SECTION 212-10.6.3.	1 EA
⑫	THRUST BLOCK PER STD. OWD-109.	VARIES

**NOTES:**

- \* THE SMALLER SIZE SHOWN CORRESPONDS TO THE 3" SERVICE.  
THE LARGER SIZE CORRESPONDS TO THE 4" SERVICE.
- 1. CONNECTION TO WATER MAIN PER STD. OWD-108. HOT TAP CONNECTION MAY BE REQUIRED AS DETERMINED BY OWD.
- 2. BACKFLOW PREVENTION DEVICE ASSEMBLY PER STD. OWD-305
- 3. ALL MECHANICAL JOINTS SHALL BE THRUST BLOCKED AND RESTRAINED WITH MECHANICAL JOINT RESTRAINTS.

*David D. Dief* 1/31/2023  
CITY WATER MANAGER

*James B.* 1/31/2023  
CITY ENGINEER

*John A.* 1/31/2023  
PUBLIC WORKS DIRECTOR

**CITY OF ORANGE WATER DIVISION STANDARDS**

**3" & 4" IRRIGATION SERVICE INSTALLATION**

OWD STD. DWG.

**OWD-210**

SHEET 1 OF 1