



#### MATERIAL LIST

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|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| ① 2" BEEHIVE STRAINER                                                                            | ①⑦ 2" BRASS PIPE                                                                                                                     |
| ② 2" OPEN PATTERN, RETURN BEND                                                                   | ①⑧ 16"x8"x4" BRICK ON COMPACTED BEDDING GRAVEL                                                                                       |
| ③ 2" GALVANIZED IRON PIPE FIELD LOCATE                                                           | ①⑨ 2" BRASS NIPPLE                                                                                                                   |
| ④ CUT OPENING AS REQUIRED, AFTER INSTALLATION, GROUT AROUND PIPE                                 | ②① 2" BRASS SWING-JOINT ELBOW AS REQUIRED                                                                                            |
| ⑤ 2" BRASS UNION                                                                                 | ②② 2" BRASS PIPE TO FIT                                                                                                              |
| ⑥ BRASS SHORT NIPPLE                                                                             | ②③ 2"-90° BRASS ELBOW                                                                                                                |
| ⑦ 2"-90° BRASS ELBOW                                                                             | ②④ 2" BRASS CLOSE NIPPLE                                                                                                             |
| ⑧ 2" BRASS CLOSE NIPPLE                                                                          | ②⑤ METER BOX: OLDCASTLE/CARSON HDPE 1730MSBC W/18" BODY PEDESTAL ONLY                                                                |
| ⑨ TWO PIECE CAST IRON VALVE BOX 18" TOP, BOTTOM LENGTH AS REQUIRED, SEE DETAILS WD-11 AND WD-11A | ②⑥ 2" AIR & VACUUM VALVE, SCREWED APCO NO. 1452C OR EQUAL                                                                            |
| ⑩ 2" CLASS B ASPHALT PAD                                                                         | ②⑦ WASHED GRAVEL, PASSING 1 1/2" AND RETAINED ON 1/4" MESH                                                                           |
| ⑪ 2" MUELLER A-2362 RWGV, THD x THD, WITH 2" OPERATING NUT                                       | ②⑧ 2" BRASS PIPE TO FIT                                                                                                              |
| ⑫ ETHAFOAM PAD UNDER VALVE BOX                                                                   | ②⑨ 2" BRASS PLUG                                                                                                                     |
| ⑬ 2"-90° BRASS BEND                                                                              | ③① 2"-90° BRASS ELBOW                                                                                                                |
| ⑭ 2" BRASS NIPPLE, M.I.P.                                                                        | ③② 2"x2"x2" TEE WITH CLOSE NIPPLE BETWEEN TEE & BEND                                                                                 |
| ⑮ DOUBLE STRAP SERVICE STAINLESS STEEL CLAMP WITH 2" IPS TAP TO FIT. EQUAL TO ROMAC 202S         | ③③ 2" BRASS 1/4 TURN BALL VALVE, SCREWED EQUAL TO RED-WHITE VALVE CORP. FIG. NO. 5044F                                               |
|                                                                                                  | ③④ 2-2" 90° BRASS BENDS WITH CLOSE NIPPLE BETWEEN BENDS                                                                              |
|                                                                                                  | ③⑤ BRASS UNION                                                                                                                       |
|                                                                                                  | ③⑥ 2" BRASS PIPE FOR PIPE LENGTHS UP TO 10 FEET. FOR PIPE LENGTHS GREATER THAN 10 FEET, REFER TO ITEM #7 DESCRIPTION ON DETAIL WD-2. |

#### NOTES:

- AIR AND VACUUM RELEASE VALVE ASSEMBLY SHALL BE INSTALLED AT THE HIGHEST POINT OF LINE. IF HIGH POINT FALLS IN A LOCATION WHERE ASSEMBLY CANNOT BE INSTALLED, PROVIDE ADDITIONAL DEPTH OF LINE TO CREATE HIGH POINT AT A LOCATION WHERE ASSEMBLY CAN BE INSTALLED.
- THE 2" STANDPIPE ABOVE GROUND SHALL BE COATED WITH TWO COATS OF RUST-OLEUM #7543 "SAFETY YELLOW" INDUSTRIAL ENAMEL.
- THE 2" BRASS PIPING SHALL BE INSTALLED IN POLYETHYLENE WRAP FOR A MINIMUM OF 3 FEET FROM WATER MAIN.
- ALL MATERIALS TO BE LEAD FREE.

**CROSS VALLEY WATER DISTRICT  
STANDARD WATER DETAILS**

**2" AIR & VACUUM RELEASE  
VALVE ASSEMBLY**

WD-14

NOT TO SCALE

JULY 2023