



MATERIAL LIST

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| ① 2" BEEHIVE STRAINER | ①⑦ 1" 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 BRASS BUSHING - 2" MIPT X 1" FIPT |
| ④ CUT OPENING AS REQUIRED, AFTER INSTALLATION, GROUT AROUND PIPE | ②⑩ 1" TYPE "K" SOFT COPPER TUBING |
| ⑤ 1" BRASS UNION | ②① 1" BRASS PIPE TO FIT |
| ⑥ 1" BRASS NIPPLE | ②② 1"-90° BRASS ELBOW |
| ⑦ 1"-90° BRASS ELBOW | ②③ 1" BRASS CLOSE NIPPLE |
| ⑧ 1" BRASS CLOSE NIPPLE | ②④ 1" AIR & VACUUM VALVE, SCREWED APCO NO. 143C OR EQUAL |
| ⑨ METER BOX: CARSON HW 1527BCF HDPE W/18" BODY OR SIGMA/RAVEN RMB-152718-SW-B | ②⑤ WASHED GRAVEL, PASSING 1 1/2" AND RETAINED ON 1/4" MESH |
| ⑩ TWO PIECE CAST IRON VALVE BOX 18" TOP, BOTTOM LENGTH AS REQUIRED, SEE DETAILS WD-11 AND WD-11A | ②⑥ 1" BRASS PIPE TO FIT |
| ⑪ 2" CLASS B ASPHALT PAD | ②⑦ 2" BRASS PLUG |
| ⑫ 2" MUELLER A-2362 RWGV, 2" THREAD ENDS WITH 2" OPERATING NUT | ②⑧ 1"-90° BRASS ELBOW |
| ⑬ ETHAFOAM PAD UNDER VALVE BOX | ②⑨ 2"x2"x1" TEE, 1" CLOSE NIPPLE BETWEEN TEE & BEND |
| ⑭ 1"-90° BRASS BEND, F.I.P. | ③⑩ 1" BRASS 1/4 TURN BALL VALVE, SCREWED EQUAL TO RED-WHITE VALVE CORP. FIG. NO. 5044F |
| ⑮ 1" BRASS NIPPLE, M.I.P. | ③① COUPLING, COPPER TO MALE IRON PIPE - FORD C84-44-Q-NL OR EQUAL |
| ⑯ DOUBLE STAINLESS STEEL STRAP SERVICE CLAMP WITH 1" IPS TAP TO FIT EQUAL TO ROMAC 101S | ③② BRASS UNION |

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 1" BRASS AND COPPER TUBING 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**

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

WD-13

NOT TO SCALE

JULY 2023