

GSWC CONSTRUCTION NOTES MASTER LIST

<p>1) INSTALL 4" D.I. PIPE PER GSWC STD. DWG. NO. P-3 AND GSWC SPECIFICATIONS.</p> <p>2) INSTALL 6" D.I. PIPE PER GSWC STD. DWG. NO. P-3 AND GSWC SPECIFICATIONS.</p> <p>3) INSTALL 8" D.I. PIPE PER GSWC STD. DWG. NO. P-3 AND GSWC SPECIFICATIONS.</p> <p>4) INSTALL 10" D.I. PIPE PER GSWC STD. DWG. NO. P-3 AND GSWC SPECIFICATIONS.</p> <p>5) INSTALL 12" D.I. PIPE PER GSWC STD. DWG. NO. P-3 AND GSWC SPECIFICATIONS.</p> <p>6) INSTALL 16" D.I. PIPE PER GSWC STD. DWG. NO. P-3 AND GSWC SPECIFICATIONS.</p> <p>7) INSTALL 4" P.V.C. PIPE PER GSWC STD. DWG. NO. P-3 AND GSWC SPECIFICATIONS.</p> <p>8) INSTALL 6" P.V.C. PIPE PER GSWC STD. DWG. NO. P-3 AND GSWC SPECIFICATIONS.</p> <p>9) INSTALL 8" P.V.C. PIPE PER GSWC STD. DWG. NO. P-3 AND GSWC SPECIFICATIONS.</p> <p>10) INSTALL 10" P.V.C. PIPE PER GSWC STD. DWG. NO. P-3 AND GSWC SPECIFICATIONS.</p> <p>11) INSTALL 12" P.V.C. PIPE PER GSWC STD. DWG. NO. P-3 AND GSWC SPECIFICATIONS.</p> <p>12) INSTALL "MAIN SIZE" PIPE INSIDE WELDED STEEL CASING PIPE PER GSWC STD. DWG. NO. P-22.</p>	<p>PIPELINE</p>	<p>28) INSTALL "MAIN SIZE" F.E.xM.J. GATE VALVE WITH VALVE BOX TYPE 1 AND ANCHOR (IF APPLICABLE) TO GRADE PER GSWC STD. DWG. NOS. P-31 AND P-43.</p> <p>29) INSTALL "MAIN SIZE" F.E. BUTTERFLY VALVE WITH VALVE BOX TYPE 1 AND ANCHOR (IF APPLICABLE) TO GRADE PER GSWC STD. DWG. NOS. P-31 AND P-43.</p> <p>30) INSTALL "MAIN SIZE" M.J. BUTTERFLY VALVE WITH VALVE BOX TYPE 1 AND ANCHOR (WHEN NOT RESTRAINED TO ADJOINING PIPE) TO GRADE PER GSWC STD. DWG. NOS. P-31 AND P-43.</p> <p>31) INSTALL "MAIN SIZE" F.E.xM.J. BUTTERFLY VALVE WITH VALVE BOX TYPE 1 AND ANCHOR (IF APPLICABLE) TO GRADE PER GSWC STD. DWG. NOS. P-31 AND P-43.</p> <p>32) INSTALL "MAIN SIZE" INSERTION VALVE, VALVE BOX TYPE 1 OR TYPE 3 AND ANCHOR (WHEN NOT RESTRAINED TO ADJOINING PIPE) PER GSWC STD. DWG. NOS. P-31 OR P-32 AND P-43.</p> <p>33) INSTALL "MAIN SIZE CUT-IN M.J. VALVE WITH CUT-IN SLEEVE, VALVE BOX TYPE 1 OR TYPE 3 AND ANCHOR (WHEN NOT RESTRAINED TO ADJOINING PIPE) PER GSWC STD. DWG. NOS. P-31 OR P-32 AND P-43.</p> <p>34) INSTALL NORMALLY CLOSED VALVE PER GSWC STD. DWG. NO. P-33.</p> <p>35) REMOVE VALVE AND VALVE BOX. RESURFACE IN KIND.</p> <p>36) ABANDON VALVE, REMOVE VALVE BOX, AND FILL WITH CONCRETE. RESURFACE IN KIND.</p> <p>37) INSTALL STANDARD WET BARREL FIRE HYDRANT ASSEMBLY (SIZE AS SHOWN) PER GSWC STD. DWG. NO. P-8 WITH TRACER WIRE JUNCTION BOX.</p> <p>38) INSTALL STANDARD DRY BARREL FIRE HYDRANT ASSEMBLY (SIZE AS SHOWN) PER GSWC STD. DWG. NO. P-9 WITH TRACER WIRE JUNCTION BOX.</p> <p>39) INSTALL VEHICLE BARRICADE PER GSWC STD. DWG. NO. C-9.</p> <p>40) ABANDON EXISTING FIRE HYDRANT LATERAL IN PLACE. REMOVE AND DISPOSE OF FIRE HYDRANT HEAD AND BURY.</p>	<p>VALVES</p>	<p>55) INSTALL "MAIN SIZE" x 10" D.I. REDUCING TEE WITH THRUST BLOCK PER GSWC STD. DWG. NO. P-18.</p> <p>56) INSTALL "MAIN SIZE" x 12" D.I. REDUCING TEE WITH THRUST BLOCK PER GSWC STD. DWG. NO. P-18.</p> <p>57) INSTALL "MAIN SIZE" x 16" D.I. REDUCING TEE WITH THRUST BLOCK PER GSWC STD. DWG. NO. P-18.</p> <p>58) INSTALL "MAIN SIZE" D.I. CROSS WITH THRUST BLOCK PER GSWC STD. DWG. NO. P-18.</p> <p>59) INSTALL "MAIN SIZE" x 4" D.I. REDUCING CROSS WITH THRUST BLOCK PER GSWC STD. DWG. NO. P-18.</p> <p>60) INSTALL "MAIN SIZE" x 6" D.I. REDUCING CROSS WITH THRUST BLOCK PER GSWC STD. DWG. NO. P-18.</p> <p>61) INSTALL "MAIN SIZE" x 8" D.I. REDUCING CROSS WITH THRUST BLOCK PER GSWC STD. DWG. NO. P-18.</p> <p>62) INSTALL "MAIN SIZE" x 10" D.I. REDUCING CROSS WITH THRUST BLOCK PER GSWC STD. DWG. NO. P-18.</p> <p>63) INSTALL "MAIN SIZE" x 12" D.I. REDUCING CROSS WITH THRUST BLOCK PER GSWC STD. DWG. NO. P-18.</p> <p>64) INSTALL "MAIN SIZE" x 4" TAPPING SLEEVE WITH 4" F.E.xM.J. TAPPING VALVE AND THRUST BLOCK PER GSWC STD. DWG. NOS. P-18 AND P-23.</p> <p>65) INSTALL "MAIN SIZE" x 6" TAPPING SLEEVE WITH 6" F.E.xM.J. TAPPING VALVE AND THRUST BLOCK PER GSWC STD. DWG. NOS. P-18 AND P-23.</p> <p>66) INSTALL "MAIN SIZE" x 8" TAPPING SLEEVE WITH 8" F.E.xM.J. TAPPING VALVE AND THRUST BLOCK PER GSWC STD. DWG. NOS. P-18 AND P-23.</p> <p>67) INSTALL "MAIN SIZE" x 10" TAPPING SLEEVE WITH 10" F.E.xM.J. TAPPING VALVE AND THRUST BLOCK PER GSWC STD. DWG. NOS. P-18 AND P-23.</p> <p>68) INSTALL "MAIN SIZE" x 12" TAPPING SLEEVE WITH 12" F.E.xM.J. TAPPING VALVE AND THRUST BLOCK PER GSWC STD. DWG. NOS. P-18 AND P-23.</p> <p>69) INSTALL "MAIN SIZE" FLEXIBLE COUPLING.</p> <p>70) INSTALL "MAIN SIZE" LONG BARREL TRANSITION COUPLING.</p> <p>71) INSTALL "MAIN SIZE" D.I. M.J. LONG SLEEVE.</p> <p>72) INSTALL "MAIN SIZE" D.I. ADAPTER, F.E.xM.J.</p> <p>73) INSTALL "MAIN SIZE" AND "MAIN TYPE" SPOOL AS REQUIRED.</p> <p>74) INSTALL 1" COMBINATION AIR RELEASE AND VACUUM RELIEF VALVE ASSEMBLY PER GSWC STD. DWG. NO. P-14.</p> <p>75) INSTALL 1" COMPACT STYLE COMBINATION AIR RELEASE AND VACUUM RELIEF VALVE ASSEMBLY PER GSWC STD. DWG. NO. P-16.</p> <p>76) INSTALL 2" COMBINATION AIR RELEASE AND VACUUM RELIEF VALVE ASSEMBLY PER GSWC STD. DWG. NO. P-15.</p> <p>77) INSTALL 2" COMPACT STYLE COMBINATION AIR RELEASE AND VACUUM RELIEF VALVE ASSEMBLY PER GSWC STD. DWG. NO. P-17.</p> <p>78) REMOVE AIR VALVE ASSEMBLY. RESURFACE IN KIND.</p>
<p>13) ABANDON 2" (TYPE AS SHOWN) PIPE IN PLACE.</p> <p>14) ABANDON 4" (TYPE AS SHOWN) PIPE IN PLACE.</p> <p>15) ABANDON 6" (TYPE AS SHOWN) PIPE IN PLACE.</p> <p>16) ABANDON 8" (TYPE AS SHOWN) PIPE IN PLACE.</p> <p>17) ABANDON 10" (TYPE AS SHOWN) PIPE IN PLACE.</p> <p>18) ABANDON 12" (TYPE AS SHOWN) PIPE IN PLACE.</p> <p>19) ABANDON 16" (TYPE AS SHOWN) PIPE IN PLACE.</p>	<p>ABANDONED PIPELINES</p>	<p>41) INSTALL "MAIN SIZE" 11 ¼' D.I. BEND WITH THRUST BLOCK PER GSWC STD. DWG. NO. P-18.</p> <p>42) INSTALL "MAIN SIZE" 22 ½' D.I. BEND WITH THRUST BLOCK PER GSWC STD. DWG. NO. P-18.</p> <p>43) INSTALL "MAIN SIZE" 45' D.I. BEND WITH THRUST BLOCK PER GSWC STD. DWG. NO. P-18.</p> <p>44) INSTALL "MAIN SIZE" 90' D.I. BEND WITH THRUST BLOCK PER GSWC STD. DWG. NO. P-18.</p> <p>45) INSTALL "MAIN SIZE" x 4" D.I. REDUCER WITH THRUST BLOCK PER GSWC STD. DWG. NO. P-18.</p> <p>46) INSTALL "MAIN SIZE" x 6" D.I. REDUCER WITH THRUST BLOCK PER GSWC STD. DWG. NO. P-18.</p> <p>47) INSTALL "MAIN SIZE" x 8" D.I. REDUCER WITH THRUST BLOCK PER GSWC STD. DWG. NO. P-18.</p> <p>48) INSTALL "MAIN SIZE" x 10" D.I. REDUCER WITH THRUST BLOCK PER GSWC STD. DWG. NO. P-18.</p> <p>49) INSTALL "MAIN SIZE" x 12" D.I. REDUCER WITH THRUST BLOCK PER GSWC STD. DWG. NO. P-18.</p> <p>50) INSTALL "MAIN SIZE" x 16" D.I. REDUCER WITH THRUST BLOCK PER GSWC STD. DWG. NO. P-18.</p>	<p>FH</p> <p>BENDS</p>	<p>TEES</p> <p>CROSS</p> <p>TAPPING SLEEVE & VALVES</p> <p>COUPLING</p>
<p>20) INSTALL "MAIN SIZE" M.J. GATE VALVE WITH VALVE BOX TYPE 3 AND ANCHOR (WHEN NOT RESTRAINED TO ADJOINING PIPE) TO GRADE PER GSWC STD. DWG. NOS. P-32 AND P-43.</p> <p>21) INSTALL "MAIN SIZE" F.E. GATE VALVE WITH VALVE BOX TYPE 3 AND ANCHOR (IF APPLICABLE) TO GRADE PER GSWC STD. DWG. NOS. P-32 AND P-43.</p> <p>22) INSTALL "MAIN SIZE" F.E. x M.J. GATE VALVE WITH VALVE BOX TYPE 3 AND ANCHOR (IF APPLICABLE) TO GRADE PER GSWC STD. DWG. NOS. P-32 AND P-43.</p> <p>23) INSTALL "MAIN SIZE" F.E. BUTTERFLY VALVE WITH VALVE BOX TYPE 3 AND ANCHOR (IF APPLICABLE) TO GRADE PER GSWC STD. DWG. NOS. P-32 AND P-43.</p> <p>24) INSTALL "MAIN SIZE" M.J. BUTTERFLY VALVE WITH VALVE BOX TYPE 3 AND ANCHOR (WHEN NOT RESTRAINED TO ADJOINING PIPE) TO GRADE PER GSWC STD. DWG. NOS. P-32 AND P-43.</p> <p>25) INSTALL "MAIN SIZE" F.E.xM.J. BUTTERFLY VALVE WITH VALVE BOX TYPE 3 AND ANCHOR (IF APPLICABLE) TO GRADE PER GSWC STD. DWG. NOS. P-32 AND P-43.</p> <p>26) INSTALL "MAIN SIZE" M.J. GATE VALVE WITH VALVE BOX TYPE 1 AND ANCHOR (WHEN NOT RESTRAINED TO ADJOINING PIPE) TO GRADE PER GSWC STD. DWG. NOS. P-31 AND P-43.</p> <p>27) INSTALL "MAIN SIZE" F.E. GATE VALVE WITH VALVE BOX TYPE 1 AND ANCHOR (IF APPLICABLE) TO GRADE PER GSWC STD. DWG. NOS. P-31 AND P-43.</p>	<p>VALVES</p>	<p>51) INSTALL "MAIN SIZE" D.I. TEE WITH THRUST BLOCK PER GSWC STD. DWG. NO. P-18.</p> <p>52) INSTALL "MAIN SIZE" x 4" D.I. REDUCING TEE WITH THRUST BLOCK PER GSWC STD. DWG. NO. P-18.</p> <p>53) INSTALL "MAIN SIZE" x 6" D.I. REDUCING TEE WITH THRUST BLOCK PER GSWC STD. DWG. NO. P-18.</p> <p>54) INSTALL "MAIN SIZE" x 8" D.I. REDUCING TEE WITH THRUST BLOCK PER GSWC STD. DWG. NO. P-18.</p>	<p>REDUCERS</p> <p>TEES</p>	<p>COMB. AIR VALVE</p>

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- 79 INSTALL 4" BLOW-OFF ASSEMBLY PER GSWC STD. DWG. NO. P-11.
- 80 INSTALL 6" BLOW-OFF ASSEMBLY PER GSWC STD. DWG. NO. P-12.
- 81 INSTALL 4" FLUSH-OUT TYPE 1 ASSEMBLY PER GSWC STD. DWG. NO. P-10.
- 82 REMOVE FLUSH-OUT ASSEMBLY AND PLUG WITH CONCRETE. RESURFACE IN KIND.
- 83 REMOVE INTERFERING PORTION OF EXISTING PIPE, FITTINGS, AND APPURTENANCES.
- 84 CUT AND PLUG EXISTING MAIN PER GSWC STD. DWG. NO. P-6.
- 85 INSTALL "MAIN SIZE" M.J. PLUG WITH THRUST BLOCK PER GSWC STD. DWG. NO. P-6.
- 86 INSTALL FULLY RESTRAINED JOINTS PER GSWC STD. DWG NOS. P-19, P-20, AND/OR P-21.
- 87 INSTALL "MAIN SIZE" M.J. CAP WITH THRUST BLOCK PER GSWC STD. DWG. NO. P-6.
- 88 INSTALL "MAIN SIZE" BLIND FLANGE. PER GSWC STD. DWG. NO. P-6
- 89 INSTALL "MAIN SIZE" 90° WELDED STEEL UTILITY INVERT PER GSWC STD. DWG. NO. P-39.
- 90 INSTALL "MAIN SIZE" 90° MECHANICAL JOINT DIP UTILITY INVERT PER GSWC STD. DWG. NO. P-40.
- 91 INSTALL "MAIN SIZE" 45° WELDED STEEL UTILITY INVERT PER GSWC STD. DWG. NO. P-41.
- 92 INSTALL "MAIN SIZE" 45° MECHANICAL JOINT DIP UTILITY INVERT PER GSWC STD. DWG. NO. P-42.
- 93 INSTALL SAMPLING STATION PER GSWC STD. DWG. NO. P-13.
- 94 DDW WAIVER REQUIRED. SEE SPECIFICATIONS FOR DDW WAIVER REQUIREMENTS.
- 95 CENTER 1-20' PIPE OVER NON-POTABLE LINE WITH 1' OF MINIMUM VERTICAL CLEARANCE. IF AN OFFSET IS REQUIRED, THE NEAREST JOINT TO THE OUTSIDE EDGE OF THE NON POTABLE LINE SHALL NOT BE LESS THAN 8 FEET.
- 96 INSTALL GRIND AND CAP BETWEEN TWO TRENCHES FOR LARGE SIZE SERVICES.

F.O. &
BLOWOFF

PIPE END

INVERTS

DDW &
SAMPLING
STATION

- 100 INSTALL 1" DOMESTIC SERVICE WITH 5/8" METER PER GSWC STD. DWG. NOS. P-25 AND P-26.
- 101 INSTALL 1" DOMESTIC SERVICE WITH 3/4" METER PER GSWC STD. DWG. NOS. P-25 AND P-26.
- 102 INSTALL 1" DOMESTIC SERVICE WITH 1" METER PER GSWC STD. DWG. NOS. P-25 AND P-26.
- 103 INSTALL 1" IRRIGATION SERVICE PER GSWC STD. DWG NOS. P-25, P-26 AND P-35A.
- 104 INSTALL 1" GROUPED DOMESTIC SERVICE CONNECTION PER GSWC STD. DWG. NOS. P-25 AND P-29.
- 105 INSTALL 1" GROUPED DOMESTIC SERVICE CONNECTION WITH IRRIGATION SERVICE CONNECTION PER GSWC STD. DWG NOS. P-25, P-29 AND P-35A.
- 106 INSTALL 2" DOMESTIC SERVICE PER GSWC STD. DWG. NOS. P-25 AND P-27.
- 107 INSTALL 2" IRRIGATION SERVICE PER GSWC STD. DWG. NOS. P-25, P-27 AND P-35A.
- 108 INSTALL 2" FIRE SERVICE CONNECTION PER GSWC STD. DWG. NOS. P-25, P-27 AND P-35A.
- 109 INSTALL 4" DOMESTIC SERVICE WITH 3" METER WITH BYPASS IN VAULT WITH TRAFFIC RATED LID PER GSWC STD. DWG. NOS. P-30A AND P-35A.
- 110 INSTALL 4" IRRIGATION SERVICE WITH 3" METER IN VAULT WITH TRAFFIC RATED LID PER GSWC STD. DWG. NOS. P-30 AND P-35A.
- 111 INSTALL 4" DOMESTIC SERVICE METER WITH BYPASS IN VAULT WITH TRAFFIC RATED LID PER GSWC STD. DWG. NOS. P-30 AND P-35A.
- 112 INSTALL 4" IRRIGATION SERVICE IN VAULT WITH TRAFFIC RATED LID PER GSWC STD. DWG. NOS. P-30 AND P-35A.
- 113 INSTALL 4" FIRE SERVICE (LEAD ONLY) PER GSWC STD. DWG. NO. P-35B.
- 114 INSTALL 6" DOMESTIC SERVICE METER WITH BYPASS IN VAULT WITH TRAFFIC RATED LID PER GSWC STD. DWG. NOS. P-30 AND P-35A.
- 115 INSTALL 6" FIRE SERVICE (LEAD ONLY) PER GSWC STD. DWG. NO. P-35B.
- 116 INSTALL 8" DOMESTIC SERVICE METER WITH BYPASS IN VAULT WITH TRAFFIC RATED LID PER GSWC STD. DWG. NOS. P-30 AND P-35A.
- 117 INSTALL 8" FIRE SERVICE (LEAD ONLY) PER GSWC STD. DWG. NO. P-35B.
- 118 INSTALL 10" DOMESTIC SERVICE METER WITH BYPASS IN VAULT WITH TRAFFIC RATED LID PER GSWC STD. DWG. NOS. P-30 AND P-35A.
- 119 INSTALL 10" FIRE SERVICE (LEAD ONLY) PER GSWC STD. DWG. NO. P-35B.
- 120 INSTALL 12" FIRE SERVICE (LEAD ONLY) PER GSWC STD. DWG. NO. P-35B.
- 121 ABANDON EXISTING SMALL SIZE DOMESTIC SERVICE AND REMOVE METER BOX PER SPECIFICATIONS.
- 122 ABANDON EXISTING SMALL SIZE IRRIGATION SERVICE AND REMOVE METER BOX PER SPECIFICATIONS.
- 123 ABANDON AND REMOVE EXISTING LARGE SIZE DOMESTIC SERVICE AND METER BOX OR VAULT PER SPECIFICATIONS.
- 124 ABANDON AND REMOVE EXISTING LARGE SIZE IRRIGATION SERVICE AND METER BOX OR VAULT PER SPECIFICATIONS.
- 125 ABANDON AND REMOVE EXISTING FIRE SERVICE PER SPECIFICATIONS.

NEW BUSINESS

- 126 INSTALL 2" IRRIGATION SERVICE FOR A 1.5" METER (TO BE INSTALLED BY GSWC) PER GSWC STD. DWG. NOS. P-25, P-27, AND P-35A. PROVIDE AND INSTALL 2"x1.5" METER FLANGE ADAPTER BETWEEN THE ANGLE METER STOP AND THE 1.5" METER (FORD A67-NL OR EQUAL).
- 200 PROJECT SPECIFIC NOTE NON-STANDARD.

PROJECT SPECIFIC NOTES