

**APPENDIX "B"**  
**LIST OF MATERIALS**  
**AND**  
**APPROVED MANUFACTURERS**

**Last updated: July 2021**

## WASTEWATER MAIN MATERIALS

| <u>ITEM</u>                                     | <u>MANUFACTURERS</u>   | <u>PART NO. OR DESCRIPTION</u>   |
|---|--|--|
| AIR RELEASE/VACUUM RELIEF VALVES AND FORCE MAIN | <ol style="list-style-type: none"> <li>1. Apco</li> <li>2. Val-matic</li> </ol>  | 443 with attachments minimum VM-801-ABW  |
| CASING SPACERS (POLY)                           | <ol style="list-style-type: none"> <li>1. BWM</li> <li>2. CASCADE</li> <li>3. PSI</li> </ol>   | BWM-SS-8 (4" to 20")<br>BWM-SS-12 (24" to 36")<br>CCS-12" Width Min.<br>C12G-2           |
| CHECK VALVES (4" & LARGER)                      | <ol style="list-style-type: none"> <li>1. Kennedy</li> <li>2. M&amp;H</li> <li>3. Mueller</li> <li>4. Clow</li> <li>5. American Flow Control</li> </ol>      | D.I. body, rubber seat, weighted lever, fusion bond, epoxy coated                        |
| EXPANSION JOINTS                                | <ol style="list-style-type: none"> <li>1. Mercer</li> <li>2. Metraflex</li> </ol>  |  |
| FITTING M.J.                                    | <ol style="list-style-type: none"> <li>1. Union</li> <li>2. U.S. Pipe</li> <li>3. NAPPCO</li> <li>4. American Ductile Iron Pipe</li> <li>5. Tyler</li> </ol> |  |
| FREEZE PROTECTION VALVE                         | <ol style="list-style-type: none"> <li>1. Conbraco</li> </ol>  | <ol style="list-style-type: none"> <li>1. 40-000-FPV1</li> </ol>                         |
| STANDARD MANHOLE FRAME AND COVER                | <ol style="list-style-type: none"> <li>1. U.S. Foundry</li> </ol>  | <ol style="list-style-type: none"> <li>1. USF #663 RING &amp; AB/MG COVER</li> </ol>     |
| <b><u>LOCKABLE</u></b> MANHOLE FRAME AND COVER  | <ol style="list-style-type: none"> <li>1. U.S. Foundry</li> </ol>  | <ol style="list-style-type: none"> <li>1. USF #663 RING &amp; AB/M COVERS BWT</li> </ol> |
| MANHOLE JOINTING MATERIAL                       | <ol style="list-style-type: none"> <li>1. K.T. Snyder Co. Inc.</li> <li>2. Conseal</li> </ol>  |  |

| <u>ITEM</u>  | <u>MANUFACTURERS</u>                                | <u>PART NO. OR DESCRIPTION</u>   |
|--|---|--|
| MANHOLE SURFACE<br>COATING PAINTING: AERIAL<br>PIPING AND FITTINGS |   | Water Based Epoxy  |
| A. FIELD PRIMER  |   | Alkyd Metal Primer   |
| B. FINISH (EXTERIOR)   |   | Alkyd Gloss Enamel   |
| PIPE (DI)  |   | Pressure Class 150 Minimum<br>Interior coating "Protecto" 401' or<br>equal |
| PIPE FORCEMAIN   |   | 1. C900, DR minimum<br>2. HDPE Driscopipe 4000 series,<br>DRII             |
| PIPE (PVC) GRAVITY   |   | SDR 35 minimum   |
| PLUG VALVE<br>(100% FULL PORT)                                     | 1. Clow/Kennedy                                     | 1. 6413-FF<br>Fusion Bond Epoxy Coated<br>Stainless Stem                   |
| RESTRAINED JOINTS  | 1. Romac Industries<br>2. EBAA Iron<br>3. Uniflange | Grip Ring  |
| TAPPING SLEEVES,<br>STAINLESS STEEL                                |   | Fusion Bond Epoxy Coated   |
| TAPPING SLEEVES, MJ  | 1. Mueller<br>2. Smith Blair<br>3. Ford<br>4. JCM   |  |
| TAPPING VALVES, RESILIENT<br>WEDGE                                 | 1. AFC<br>2. Clow<br>3. Kennedy                     | Fusion Bond Epoxy Coated   |
| VALVE BOXES  | 1. Union<br>2. Star<br>3. Sigma<br>4. Proflo        |  |

| <u>ITEM</u>  | <u>MANUFACTURERS</u>        | <u>PART NO. OR DESCRIPTION</u>  |
|--|-----------------------------|---------------------------------|
| VALVE MARKERS  | 1. Flint                    | Green - Thermoplastic (90 Mils) |
| VAULT FRAME AND COVER<br>FOR AIR RELEASE/VACUUM<br>RELIEF VALVES | 1. U.S. Foundry             | 1. USF #663-AB-M                |
| WIRE CONNECTORS  | 1. Pro-Trace<br>2. Buchanon | TW Connector-Part #739010250    |
| TRACER WIRE  | 1. Copper Head              | 10 Gauge UF Solid               |
| TRACE WIRE BOX   | 1. Bingham & Taylor         | P200 NFG Test                   |

## II. WASTEWATER PUMP STATION MATERIALS

| <u>ITEM</u>                      | <u>MANUFACTURERS</u>                                 | <u>PART NO. OR DESCRIPTION</u> |
|----------------------------------|--|--------------------------------|
| GENERATOR CIRCUIT BREAKER        | 1. Square D<br>2. Westinghouse                       |                                |
| GENERATOR SYSTEMS (DIESEL)       | 1. Blue Star Power Systems<br>2. Gillette Generators |                                |
| LED AREA LIGHT FIXTURE           | 1. Dialight  | 1. HZD5C2G                     |
| LIGHT FIXTURE - MOUNTING BRACKET | 1. Safe Site   | 1. Pipe Mount Clamp Kit HZXW8  |
| MOTOR AUTOMATIC MEGGER           | 1. Automeg   |                                |
| PRESSURE GAUGES                  | 1. Ashcroft<br>2. H.O. Trerice Co.                   |                                |
| SUBMERSIBLE PUMPS                | 1. Hydro Matic                                       | Barney's Pumps                 |
| WETWELL ACCESS                   | 1. U.S. Foundry                                      |                                |
| FRAMES AND COVERS                | 1. Bilco Co.   |                                |
| CONTROL PANELS                   | 1. Sta-Con, Inc.<br>2. Quality Control, Inc.         |                                |
| ALARM HORN (AH)                  | 1. Edwards<br>2. Wheelock                            | 1. 870-N5<br>2. 31T-115-R      |
| ALARM LIGHT (AL)                 | 1. American Electric<br>2. Red Dot                   | 1. F32552<br>2. 866 B          |
| CONTROL CIRCUIT BREAKER          | 1. Square D  | 1. QOU120                      |
| CONTROL CIRCUIT TRANSFORMER      | 1. Square D  | 1. EO-18                       |

| <u>ITEM</u>                                 | <u>MANUFACTURERS</u>            | <u>PART NO. OR DESCRIPTION</u> |
|---|---------------------------------|--------------------------------|
| DUPLEX RECEPTACLE GFI (DR)                  | 1. Square D<br>2. Hubbel        | 1. GFSR-115-IC<br>2. GF-52621  |
| ELAPSE TIME METER (ETM)                     | 1. Engler<br>2. Hecon           | 1. AC-200-10NG7<br>2. TO621134 |
| EMERGENCY                                   | 1. Square D                     |                                |
| ENCLOSURE                                   | 1. Hoffman<br>2. Tanco          |                                |
| FUSE (F)                                    | 1. Bussmann<br>2. Gould-Shawmut |                                |
| FLASHER (FL)                                | 1. Sta-Con, Inc.<br>2. SSAC     | 1. 008-24-13SP<br>2. FS-126    |
| FLOAT REGULATOR (FR)                        | 1. Roto-Float                   | 1. GSI8ONO                     |
| GENERATOR RECEPTACLE (GR)                   |                                 |                                |
| 1. 230V, 100A, 3P, 4W                       | 1. Russell-Stroll               | 1. JRSB1044FR                  |
| 2. 230/460V, 200A, 3P, 4W                   | 2. Russell-Stroll               | 2. JRSBZ044FR                  |
| INSIDE DROP BOWL                            | 1. Reiner / Duran Inc.          |                                |
| MAIN SILENCE BUTTON (HSS)                   | 1. Westinghouse<br>2. Square D  | 1. PB1AAH<br>2. 9001-SKR-1U    |
| MAIN CIRCUIT BREAKER (MCB)                  | 1. Square D                     |                                |
| MAIN CIRCUIT TRANSFORMER (MCT)              | 1. Square D                     | 1. 500 SV43F                   |
| MOISTURE AND TEMPERATURE FAILURE LIGHT (MT) | 1. Dialco<br>2. Littlefuse      | 1. 803-1710<br>2. 930407X      |

| <u>ITEM</u>                     | <u>MANUFACTURERS</u>                     | <u>PART NO. OR DESCRIPTION</u>                         |
|---------------------------------|--|--|
| MOTOR CIRCUIT BREAKER (MB)      | 1. Square D                              |  |
| MOTOR STARTER (MS)              | 1. Westinghouse<br>2. Square D           | 1. A-200<br>2. D-8536                                  |
| OVERLOAD HEATER (OL)            | 1. Westinghouse<br>2. Square D           |  |
| PHASE MONITOR                   | 1. Diversified                           | 1. SLA-230-ASA (230 Volt)<br>2. SLA-440-ASA (460 Volt) |
| PILOT LIGHT (PL)                | 1. Dialco<br>2. Littlefuse               | 1. 803-1710<br>2. 93047X                               |
| PUMP AUTOMATIC ALTERNATOR (PAA) | 1. Diversified                           | 1. ARA-120-ACA   |
| RELAY (R)                       | 1. Potter Burmfield                      | 1. KRPA-11AN<br>2. 22 Series                           |
| RESISTOR<br>5-watt, 2500 ohm    | 1. Rockwood                              |  |
| RUN INDICATOR                   | 1. Dialco<br>2. Littlefuse               | 1. 803-1710<br>2. 930407X                              |
| SURGE PROTECTOR (LA)            | 1. Volt-Guard                            | 1. VGX   |
| TERMINAL STRIP (TS)             | 1. Marathon<br>2. Square D<br>3. Phoenix | 1. Series 200<br>2. 9070-GR6<br>3. UKKB3               |
| TELEMETRY                       | 1. Omni site                             | 1. XR-50 Alarm Monitor                                 |

### III. WATER AND REUSE MAIN MATERIALS

| <u>ITEM</u>            | <u>MANUFACTURERS</u>               | <u>PART NO. OR DESCRIPTION</u>   |
|------------------------|------------------------------------|--|
| AIR RELEASE VALVES     | 1. Apco<br>2. Val-matic            | S-200A (2" NPT)<br>Series 38 ( <b>Model #38.2</b> )  |
| AUTOMATIC FLUSH DEVICE | 1. Hydro-Guard                     | HG-1   |
| WATER SAMPLING STATION | 1. GIL Industries                  | EH101-30   |
| CASING SPACERS (POLY)  | 1. BWM<br><br>2. CASCADE<br>3. PSI | BWM-SS-8 (4" to 20")<br>BWM-SS-12 (24" to 36")<br>CCS-12" Width Min.<br>C12G-2   |
| CORPORATION STOPS      | 1. Ford                            | FB1100-4-NL (1")<br>FB1100-6-NL (1-1/2")   |
| CURB STOP              | 1. Ford                            | 1. <b>Single Service:</b><br>B43-342W-NL<br><b>Double Service/ Branch:</b><br>UVBS43-42W-NL<br><b>Water Sampling Station:</b><br>B41-343W-NL |
| EXPANSION JOINTS       | 1. Mercer<br>2. Metraflex          |  |
| END CAPS               | 1. Harco/Philmac                   | #75-1494 (1")<br>#75-1496 (1-1/2")   |
| FIRE HYDRANTS          | 1. Kennedy<br>2. M&H               | 1. Guardian K-81-D<br>2. Model #129  |
| FITTINGS D.I.          | 1. Tiger Union<br>2. Sigma         |  |
| GATE VALVES            | 1. AFC<br>2. Clow<br>3. Kennedy    | Fusion Bond Epoxy Coated   |

| <u>ITEM</u>   | <u>MANUFACTURERS</u>   | <u>PART NO. OR DESCRIPTION</u>  |
|---|--|---|
| RESILIENT WEDGE   | 1. American Flow Control<br>2. M&H<br>3. Kennedy<br>4. Mueller<br>5. AVK | Series 25   |
| HYDRANT PAINT ( <b>BODY ONLY</b> )                      | 1. Dupli-Color   | Vessel Gray Spray Paint   |
| HYDRANT PAINT ( <b>BONNET ONLY</b> )                    | 1. Dupli-Color<br>2. Krylon<br>3. Dupli-Color<br>4. Dupli-Color          | DE1601- Ford Blue<br>1817 - John Deere Green<br>DE1653 - Red<br>DE1620 - Chevrolet Orange |
| LOCKSEAL STUD (EXTRA LONG)                              | 1. Highfield   | Part #93210143  |
| LOCKSEAL STUD (WITH SEAL)                               | 1. Highfield   | Part #93280156  |
| METER BOX ( <b>DUAL</b> )                               | 1. Hubbell   | A131730506425X<br>17 x 30 x 18 Assembly   |
| METER BOX<br><b>SINGLE RESIDENTIAL</b>                  | 1. Hubbell   | 1" 8031118509   |
| METER BOX<br><b>RECLAIM SINGLE RESIDENTIAL (PURPLE)</b> | 1. Hubbell   | A131118521425X  |
| PIPE (DI)   |  | Pressure Class 150  |
| PIPE (PVC)  |  | C900, DR18 Minimum<br>HDPE Driscopipe   |
| POLYETHYLENE TUBING                                     | 1. Endot Pure Blue<br>2. Charter Plastics                                |   |
| REFLECTIVE MARKERS                                      | 1. L.J. Ruffin & Assoc.  | 1. Blue - Fluid Line Indicator  |

| <u>ITEM</u>                                  | <u>MANUFACTURERS</u>  | <u>PART NO. OR DESCRIPTION</u>                                  |
|--|---|---|
| RESTRAINED JOINTS                            | <ol style="list-style-type: none"> <li>1. Romac Gripring</li> <li>2. EBBA Iron Inc.</li> <li>3. Uni-flange / Ford</li> </ol>              |   |
| SERVICE SADDLES                              | <ol style="list-style-type: none"> <li>1. Smith Blair</li> <li>2. Romac Gripring</li> <li>3. Ford</li> </ol>                              | Double Strap / Stainless Steel                                  |
| STRAIGHT DUAL CARTRIDGE CHECK VALVE          | <ol style="list-style-type: none"> <li>1. Ford</li> </ol>   | HHS31-323-NL  |
| TAPPING SLEEVES,<br>STAINLESS STEEL          | <ol style="list-style-type: none"> <li>1. Mueller</li> <li>2. Smith Blair</li> <li>3. M&amp;H</li> <li>4. Ford</li> <li>5. JCM</li> </ol> | Fusion Bond Epoxy Coated  |
| TAPPING VALVES, RESILIENT WEDGE              | <ol style="list-style-type: none"> <li>1. AFC</li> <li>2. Clow</li> <li>3. Kennedy</li> </ol>   | Fusion Bond Epoxy Coated  |
| TRACER WIRE                                  | <ol style="list-style-type: none"> <li>1. Copperhead</li> </ol>   | 10 Gauge UF Solid   |
| SHAFT CATHODIC TEST BOX<br>(TRACER WIRE BOX) | <ol style="list-style-type: none"> <li>1. Bingham &amp; Taylor</li> </ol>   | P200 NFG Test   |
| VALVE BOXES                                  | <ol style="list-style-type: none"> <li>1. Tyler Union</li> <li>2. Star</li> <li>3. Sigma</li> <li>4. Proflo</li> </ol>                    |   |
| VALVE MARKERS                                | <ol style="list-style-type: none"> <li>1. Flint</li> </ol>  | Blue - Thermoplastic (90 Mils)<br>Red - Thermoplastic (90 Mils) |
| VAULT FRAME AND COVER                        | <ol style="list-style-type: none"> <li>1. U.S. Foundry</li> </ol>   | 1. USF #663-AB-M  |
| WIRE CONNECTORS                              | <ol style="list-style-type: none"> <li>1. Pro-Trace</li> </ol>  | TW Connector-Part #739010250                                    |

**END OF APPENDIX "B"**