

**APPENDIX C  
LIST OF APPROVED MATERIALS AND PRODUCTS**

**PLEASE TYPE OR PRINT CLEARLY IN BLACK INK**

**Project Name:** \_\_\_\_\_

**Contractor's Name :** \_\_\_\_\_

**Contractor's Address:** \_\_\_\_\_

**Engineer's Name :** \_\_\_\_\_

**Engineer's Address:** \_\_\_\_\_

By this submittal, the CONTRACTOR agrees to adhere to the following list and to use only those items that are "X-ed". It is understood that the DIRECTOR shall reject materials and products not in accordance with this document and the MANUAL. Any material or product not on this list shall be approved in advance by the DIRECTOR. Shop drawings shall be required for all items not contained on this list, such as manholes, wet wells, and other castings.

Four (4) sets of the CONTRACTOR's and ENGINEER's executed LIST OF APPROVED MATERIALS and any necessary shop drawings shall be submitted to the DIRECTOR for the CITY's use and approval, plus the number of sets needed for the CONTRACTOR use. Ordering materials and products without the specific written approval from the DIRECTOR of the submitted list and shop drawings is NOT recommended.

**FIRE HYDRANTS - 5 1/4 INCH MAIN VALVE OPENING**

- Mueller A423 (Super Centurion)
- American B-84-B
- Kennedy K81A
- Clow Medallion F-2545

**RESILIENT SEAT GATE VALVES - ALL AVAILABLE SIZES**

- Mueller A2360 Series
- American Series 2500
- Clow F-6100 Series
- U.S. Pipe Metroseal 250

**BUTTERFLY VALVES - 30 INCH AND LARGER WATER MAINS ONLY**

- Mueller Lineseal B-3211
- Kennedy BFV-84
- Clow 1450
- Dezurik AWWA Series

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**PLUG VALVES - ALL AVAILABLE SIZES**

- Clow Full Flo Series
- U.S. Pipe
- Dezurik Permaseal Series
- Mueller/Pratt, Ballcentric (As approved by the DIRECTOR)

**TAPPING SLEEVES - DUCTILE IRON BODY WITH MECHANICAL JOINTS**

- M and H 974
- American 2800/1004 Series
- Mueller H615, H616, and H619 Series
- Clow 5205 (or 5207 for A.C. Pipes)
- Tyler 5-149
- U.S. Pipe Type 9
- Rockwell 622
- PowerSeal 3490AS

**TAPPING SLEEVES - STAINLESS STEEL**

- JCM 432/452
- Rockwell 662
- Ford Style Fast
- Mueller H304SS Series

**TAPPING VALVES - RESILIENT SEAT GATE VALVES TO BE USED**

- American Series 2500
- Kennedy 950X
- Clow F6114 Series
- M and H 751-01
- Mueller H687 (for  $\leq 12$  inches)

**CHECK VALVES - LEVER AND WEIGHT**

- M and H 159-02
- Mueller A-2600-6-01
- Kennedy 106
- Clow F-5380 Series
- American 52SC
- American Series 2100

**CURB STOPS - BALL VALVE TYPE WITH "T" TOP, FULL PORT WITH LOCKING WING**

- Ford B94-223-W (3/4 inch CTS)
- Ford B94-324-W (1 inch CTS)
- Mueller B-24-359 (3/4 inch x 5/8 inch x 3/4 inch CTS)
- Mueller B-24-359 (1 inch x 5/8 inch x 3/4 inch CTS)

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**CORPORATION STOPS - BALL VALVE TYPE**

- Ford FB1100-4-G (1 inch Male IP x CTS)
- Ford FB1100-6-G (1 1/2 inch Male IP x CTS)
- Ford FB1100-7-G (2 inch Male IP x CTS)
- Mueller B-25-028 (1 inch Male IP x CTS)
- Mueller B-25-028 (1 1/2 inch Male IP x CTS)
- Mueller B-25-028 (2 inch Male IP x CTS)

**VALVE BOX - WATER OR SEWER SERVICE, CAST IRON, 5 1/4 INCH DIAMETER**

- U.S. Foundry 7500 Series
- Tyler 6850 Series
- Clow F-2450 Series
- Russell Pipe (Submit Specific Product Information)
- Star Industries (Submit Specific Product Information)

**YOKES - CAST OR DUCTILE IRON**

- Ford Y202
- Mueller H-5020

**SERVICE SADDLES**

- JCM 402
- Smith Blair 313
- Ford F202
- Mueller DB2A Series (As approved by the DIRECTOR)

**DUCTILE IRON PIPE - PRESSURE CLASS 350 FOR 4 INCH TO 24 INCH DIAMETER**

- American\*
- U.S. Pipe\*
- McWane (Clow)\*

**DUCTILE IRON PIPE - PRESSURE CLASS 250 FOR 30 INCH TO 64 INCH DIAMETER**

- American\*
- U.S. Pipe\*
- McWane (Clow)\*

**\*Shall include mechanical joint follower glands and accessories.**

**\*Pipes for water service shall be cemented lined.**

**\*Pipes for sanitary sewer service shall be lined with 30 mils of:**

- Liner Gard 100 Epoxy
- Protecto 401
- Kop Coat
- Other (Specify Manufacturer \_\_\_\_\_)

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**MECHANICAL JOINT WITH FOLLOWER GLANDS AND FLANGED FITTINGS**

- Tyler
- U.S. Pipe
- American
- Union Foundry (McWane Clow)
- EBAA

**POLYETHYLENE TUBING - BLUE FOR POTABLE WATER**

- 1 inch, ASTM 3408 (Specify Manufacturer \_\_\_\_\_)
- 2 inch, ASTM 3408 (Specify Manufacturer \_\_\_\_\_)

**POLYETHYLENE TUBING - PURPLE FOR RECLAIMED WATER**

- 1 inch, ASTM 3408 (Specify Manufacturer \_\_\_\_\_)
- 2 inch, ASTM 3408 (Specify Manufacturer \_\_\_\_\_)

**POLYVINYL CHLORIDE (PVC) PIPE - ALL AVAILABLE SIZES**

- Water Service (Blue, AWWA C-900)  
(Specify Manufacturer \_\_\_\_\_)
- Force Main Service (Green, AWWA C-900)  
(Specify Manufacturer \_\_\_\_\_)
- Reclaimed Water Service (Purple, AWWA C-900)  
(Specify Manufacturer \_\_\_\_\_)
- Gravity Sewer Service (Green, SDR-35)  
(Specify Manufacturer \_\_\_\_\_)

**FLANGED ADAPTERS - DUCTILE IRON**

- Unflanged, Series 200
- Smith-Blair 912

**JOINT RESTRAINT - DUCTILE IRON**

- EBAA Mega Lug 1100 DIP Series
- U.S. Pipe (T.R. Flex, Field Lok Gasket)
- Star Industries Stargrip/Allgrip 1000, 1100, and 1200 Series

**AIR RELEASE VALVES - SIZED APPROPRIATELY FOR INTENDED SERVICE**

- Valmatic 202C (water service)
- Valmatic 48S (sewer service)
- Valmatic 301S (sewer service)
- Empire 940 (water service)

**COUPLINGS FOR EXISTING FACILITIES**

- Fernco
- Rockwell 900 Services

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**DUAL CHECK BACKFLOW PREVENTOR - USED WITH SINGLE FAMILY DOMESTIC METERS**

- Ford HHS 31-323 (5/8 inch x 3/4 inch)
- Ford HHS 31-344 (1 inch)
- Conbraco
- Hersey/Mueller
- Watts
- Ames
- Febco

**BACKFLOW PREVENTION DEVICES - VERTICAL INSTALLATION**

- Ames - All (Specify Model Number \_\_\_\_\_)
- Febco - 880 Series Only
- Clay Valve - All (Specify Model Number \_\_\_\_\_)

**DOUBLE CHECK BACKFLOW PREVENTOR - HORIZONTAL INSTALLATION**

- Febco 805
- Hersey 2
- Watts 709
- Conbraco 40-100
- Wilkens 950

**DOUBLE CHECK DETECTOR ASSEMBLY - HORIZONTAL INSTALLATION**

- Ames 3000 DCDA
- Ames 3000 Stainless Steel
- Febco 806
- Hersey DDC II
- Watts 709 DDC
- Conbraco 40-600
- Wilkens 950-DA

**REDUCED PRESSURE BACKFLOW PREVENTOR ASSEMBLY - HORIZONTAL INSTALLATION**

- Febco 825
- Hersey 6CM
- Watts 909
- Conbraco 40-200
- Wilkens 975

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**REDUCED PRESSURE DETECTOR ASSEMBLY - HORIZONTAL  
INSTALLATION**

- Ames 5000 RPDA
- Febco 825 RPDA
- Hersey 6CM-RPDA
- Watts 909 DDC
- Conbraco 40-700
- Wilkens 975-DA

**WASTEWATER PUMP STATION - MUNICIPAL RATED**

- Flgyt (Submersible)
- ABS (Submersible, Dual Guide Only, and Meets Flgyt Standards)
- Gorman-Rupp (Above Ground)

**LINER - WET WELL, VALVE VAULT, AND FORCE MAIN RECEIVING  
MANHOLE**

- AGRU Sure Grip HDPE (Light Colored)
- AGRU Sure Grip PPR (Light Colored)
- Fiberglass (Specify Manufacturer \_\_\_\_\_ )
- GSE StudLiner HPDE (Light Colored)
- Other (Specify Manufacturer \_\_\_\_\_ )

**WET WELL AND VALVE VAULT HATCHES - STRUCTURAL ALUMINUM TYPE**

- Halliday Products, Inc.
- Other (Specify Manufacturer \_\_\_\_\_ )

**PUMP STATION CONTROL PANEL - MUNICIPAL RATED**

- Sta-Con, Inc.
- Quality Control, Inc.

**PUMP STATION RADIO TELEMETRY**

- Curry Controls
- Other (Specify Manufacturer \_\_\_\_\_ )

**SANITARY SEWER LATERAL LOCATING DEVICES - 4 TO 4½ INCH BALL  
TYPE**

- 3M ScotchMark Electronic Marker
- Industrial Technology Omni Marker
- Other (Specify Manufacturer \_\_\_\_\_ )

**MANHOLE RING AND COVER**

- U.S. Foundry 227AS (Sanitary or Storm)
- U.S. Foundry 1295 (Storm Inlet Only)
- Other (Specify Manufacturer \_\_\_\_\_ )

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**CASING SPACERS - STAINLESS STEEL, MINIMUM OF 3 PER PIPE SECTION**

Cascade

PSI

Other (Specify Manufacturer \_\_\_\_\_)