

	<u>ITEM</u>	<u>MANUFACTURER</u>	<u>PART / DESCRIPTION</u>	
<b>SEWER MAIN MATERIALS</b>				
<b>ARV Enclosure</b>	Air Release Enclosures	Water plus Polyethylene	131632 H30-G / Green 44" Tall 171730 H40-G / Green 30" Tall	
		Hot Box Vent Guard	AVG 2036 Encl./ Green 36" Tall GP 3232 Base AVG 2041 Encl./ Green 41" Tall GP 3232 Base	
		Safety-Guard/Hydro-Guard	15100 Encl. Green 34" Tall	
<b>Valves</b>	Air Release Valves	ARI Flow Controls	D-020 - Stainless Steel D-025 - Stainless Steel D-025L - S.S., Lift Station	
		H-Tech	986 - Stainless Steel	
		Check Valves	Kennedy – McWane	1106AW
			M&H – McWane	159-02A
	Mueller		A-2600-6-01B1	
	Clow – McWane		1106AW	
	GA Industries		220	
	Gate Valves	Clow – McWane	AWWA C509	
		Mueller	Resilient Wedge	
		American	Fusion Bond Epoxy Coating	
	Valve Box Lids		Cast Iron Round	
	Valve Box Risers		Valve Box Extensions (screw type)	
	<b>Manholes</b>	Precast Manholes		Dyed Admix
		Concrete Admix	Kryton International	KIM K-301R (with red dye)
Xypex Chemical Corp			Xypex Admix C-1000Red (with red dye)	
Manhole Frame and Cover		U.S. Foundry	USF 663-AB-MK 'Sanitary' tag for Manholes 'ARV' tag for Vaults	
		EJ	1079Z	
Manhole Inflow Barrier		USSI	Inflow Defender w/Stiffening Ribs	
Manhole Jointing Material		Henry	RN-101 RN-103	
		ConSeal	CS-102B	
		Martin Asphalt Co.	Evergrip 990	
Manhole External Joint Sealer (8" minimum)		Canusa-CPS	Wrapid Seal	
		GPT	Riser Wrap	
Pipe to Manhole Seal	Trelleborg	Kor-N-Seal		
Manhole Drop Connection Transition Coupling		SDR35 or SDR26 to SCH-80 PVC		

<b>Pipe &amp; Fittings</b>	Fittings, M.J.	Tyler Union	Protecto 401 Liner
		U.S. Pipe – Mueller	
		American	
		Star Pipe	
		Clow - McWane	
		Sigma	
		SIP	
	Fittings, PVC		SDR 26 Minimum
	Pipe, PVC Force Main		C900 / C905 DR 25 Minimum, DR 18 Minimum, Restrained
	Pipe, PVC Gravity		SDR 35 Minimum
	Pipe, HDPE		C906 DR17
	Restrained Joints	Tyler Union	TufGrip, Field Lok
		Romac	GripRing
		EBA Iron	Megalug
		Ford	Uni-Flange
		Star Pipe Products	Star Grip Series 1000
		American	Lok-Ring –12” or less (Fast-Tite)
		Sigma	One-Lok
	PVC Bell Restraints	SIP	Easy Grip
		EBA Iron Inc.	Tru-Dual Series 1500TD
		Ford / Uni-Flange	Uni-Flange Series 1390
		Sigma	PV-Lok Series PWP
		Smith Blair	Bell-Lock Series 165
		Star	Series 1100C
	Casing Spacers	Tyler Union	Tuff Grip Series 300C
		Cascade Waterworks	Fusion Bond Coating 12” Band minimum 2” Runners
		GPT	
BWM Company			
Advance Products			
CCI Pipeline			
Expansion Joints	Mercer Rubber	Rubber Flex	
	Metraflex	Rubber Flex	
	EBA Iron	Sliding Seal	
Marker Tape		Metallic	
Locator Ball	3M	Sewer - Green	
Locator Wire		Direct Bury – 14 Gauge Insulated Solid Copper	
		Directional Bore – 8 Gauge Insulated Solid Copper Plus 8 Gauge Insulated Copper Clad Steel Core	

<b>Tapping Sleeves &amp; Saddles</b>	Service Saddles	JCM	406
		Ford	FC202
		Romac	202NS
		Mueller	DR2S
		Smith-Blair	317
		Robar	2408
	Tapping Sleeves, Fabricated Steel	JCM	412
		Romac	FTS420 w/ Stainless Hardware
		Total Piping Solutions	Triple Tap
		Ford	FTSC
	Tapping Sleeves, Full Body Ductile Iron Mechanical Joint	American Flow Control	2800
Mueller			
Tapping Sleeves, Full Body Stainless Steel	JCM	432	
	Cascade	CST-EX	

### WASTEWATER LIFT STATION MATERIALS

<b>Lift Station Materials</b>	Conduit (wet well to panel)		Rigid Aluminum
	Generator Circuit Breaker	Square D	
	Generator Systems	Caterpillar	
		Onan (Cummins)	
	Automatic Switch Gear	Onan	
		Zenith – General Electric	
	Pressure Gauges	Ashcroft	4" Fluid filled dial with isolator/ Range per plans
		H.O. Trerice Co.	
	Submersible Pumps	Flygt	
		Sulzer	
		Wilo	
	Pump-out Discharge	Coupling Co., Inc.	Aluminum fittings w/male Cam and Groove adapter flange and dust cover. 4" & 6" discharge to have 4" male cam and groove adapter/ 8" or greater discharge to have Dixon 8" Flange
	Wetwell Access Frames and Covers	Halliday	W2S with fall protection, slam lock, EPDM gasket and bit coating
	Control Panels (CP)	Multitrode	
		Flygt	
		DCR	
		Stacon, Inc.	
	Alarm Horn (AH)	Edwards	ALA43T-GA-115S
		Wheelock	31T-115-R
	Alarm Light (AL)	Red Dot	ALVLRX-40
Area Light	Atlas Lighting	DD175M	
Control Circuit Breaker	Square D – Schneider Electric	QOU120	
Control Circuit Transformer	Square D – Schneider Electric	EO-18	

Lift Station Materials (Continued)

Duplex Receptacle/GFI	Square D – Schneider Electric	GFSR-115-IC
	Hubbel	GF-52621
	Pass & Seymour	2095BKCC10
Elapse Time Meter	Cramer	635G
	Hecon - Daneher	TO621134
Emergency Circuit Breaker	Square D – Schneider Electric	QOU, FAL, KAL, LAL
Enclosure	Hoffman - Pentair	
	Tanco – Thomas & Betts	
Flasher	MPE	025-120-13SP
	SSAC	FS-126
Transducer	JDA	2000S
Float Regulator	Roto-Float	N. C.
Fuses	Cooper Bussmann	
	Gould-Ferraz-Shawmut	
Generator Receptacle	Crouse-Hinds	AR2042: (230V,200A, 3P,4W)
		AR2042S22: (460V,200A,3P,4W)
Ground Test Enclosure	Quazite - Hubbell	AC111817KEO
Hand-off-auto Selector	Square D – Schneider Electric	9001-SKS
Horn Silence Button	Square D – Schneider Electric	9001-SKR-1U
Interior Panel Light	American Lighting	LXC1H-WH
Magnetic Flow Meter	Endress-Hauser	
	Rosemont	
Main Circuit Breaker	Square D – Schneider Electric	QOU, FAL, KAL, LAL
Main Circuit Transformer	Square D – Schneider Electric	500SV43F
Moisture and Temperature Light	Dialight	803-1710
	General Electric	LMP1819, LMP120MB
Motor Circuit Breaker	Square D – Schneider Electric	QOU, FAL, KAL, LAL
Motor Starter	Square D – Schneider Electric	D-8536, NEMA Size 1, 2, 3
Overload Heater	Square D – Schneider Electric	
Phase Monitor	Diversified	LSU-100-ASA
Pilot Light	Square D – Schneider Electric	9001
	Dialight	803-1710
	General Electric	LMP1819, LMP120MB
Pump Automatic Alternator	Diversified – Marsh Bellofram	BRA-120-ACA (Duplex)
Relay	Potter Brumfield - Tyco	KRPA-11AN
	Eagle Signal - Danaher	22 Series
Resistor		5 watt, 2500 ohm
Run Indicator Light	Square D – Schneider Electric	9001
	Dialight	803-1710
	General Electric	LMP1819, LMP120MB
Safety Mat	NoTrax	Safety Stance 549 - 36"x64"
Surge Protector	General Electric	
	Edco - Emerson	
Terminal Strips	Square D – Schneider Electric	9070-GR6
	Marathon – Regal Beloit	Series 200
	Phoenix	UKK B3
Odor Control System	Biorem	
	BioAir Solutions	
	Evoqua - Siemens	ZABOCS
Geotextile Fabric	U.S. Fabrics	US 315

Painting & Liners					
Wet Well & Manhole	Concrete Admix	Kryton International	KIM K-301R (with red dye)		
		Xypex Chemical Corp	Xypex Admix C-1000Red (with red dye)		
	Manhole Interior Surface Coating	Devoe	Tru-Glaze-WB 4030 Red		
			Tru-Glaze-WB 4418 Grey		
		Pro-Tech Coatings, Inc.	EW-1 Red & Grey		
	Wet Well and Manhole Integrally Cast Liner		Bituminous Coating		
		Agru America, Inc.	SureGrip Liner		
	Manhole Interior Surface Liner (Existing Structures with minimal concrete deterioration)	GSE Environmental	GSE StudLiner		
		Sauereisen	SewerGard 210RS/T/X		
		Raven Lining Systems	Raven 405		
		CCI Spectrum, Inc	SpectraShield		
		Kerneous, Inc.	SewperCoat		
		Quadex, Inc.	Aluminaliner		
		GML Coatings, LLC	Green Monster Liner		
	Wet Well and Manhole Rehabilitation Coating (Existing Structures with significant concrete deterioration)	Sprayroq, Inc.	Spraywall		
Sauereisen		F120/121 Underlayment + 210RS/T/X Epoxy Coating			
Raven Lining Systems, Inc.		Raven 405			
Quadex, Inc		Aluminaliner			
Kerneos, Inc.		SewperCoat			
GML Coatings, LLC	GML30/60 Underlayment + Green Monster Primer + Green Monster Liner				
Coatings for Wet Well Fittings					
Pipe & Fittings	Field primer	Sauereisen	Conoweld 501		
		Tnemec	Zinc 90-97		
	Topcoat	Sauereisen	SewerGard 210G		
		Tnemec	Typroxy 27WB		
	Coatings for Aerial Pipe & Fittings (Water ,Reuse & Sewer)				
	Pipe & Fittings	Field primer		Alkyd metal primer	
Topcoat			Alkyd gloss enamel		
TWA Fire Hydrants			Gray		
Private Fire Hydrants			Per Owner		
Water And Reuse Main Materials					
ARV Enclosure	Air Release Enclosures Water-Blue, Reuse-Pantone	Water plus Polyethylene	131632 H30	44" Tall	
			171730 H40	30" Tall	
	Hot Box Vent Guard		AVG 2036 Top	36" Tall	
			GP 3232 Base		
	Safety-Guard/Hydro-Guard		AVG 2041 Top	41" Tall	
GP 3232 Base					
		15100	34" Tall		

Valves	Air Release Valve	ARI Flow Controls	D-020 – Stainless Steel
			D-025 - Stainless Steel
		H-Tech	986 - Stainless Steel
		Dezurik	440
		Ventomat	RBX DN50
	Check Valves	Kennedy – McWane	1106AW
		M&H – McWane	159-02A
		Mueller	A-2600-6-01B1
		Clow – McWane	1106AW
		GA Industries	220
	Gate Valves	Clow – McWane	AWWA C509
		Mueller	Resilient Wedge
		American	Fusion Bond Epoxy Coating
	Valve Box Lids		Cast Iron Water – Round Reuse - Square
	Valve Box Risers		Valve Box Extensions (screw type)
Tapping Sleeves	Tapping Sleeves, Fabricated Steel	JCM	412
		Romac	FTS420 w/ Stainless Hardware
		Total Piping Solutions	Triple Tap
		Ford	FTSC
		Robar	6908
	Tapping Sleeves, Full Body Ductile Iron Mechanical Joint	American Flow Control	2800
		Mueller	
		JCM	
	Tapping Sleeves, Full body Stainless Steel	JCM	432
		Cascade	CST-EX
		Robar	6606BB
	Pipe & Fittings	Fittings, M.J.	Tyler Union
U.S. Pipe – Mueller			
American Ductile Iron Pipe Co. - ACIPCO			
Star Pipe			
Clow - McWane			
Sigma			
SIP			
Pipe, Ductile Iron		American	Cement Lined
		U.S. Pipe	
		McWane	
Pipe, PVC		Diamond	C900 DR18
		CertainTeed	
		U.S. Pipe – Mueller	
		JM Eagle	
Pipe, HDPE		Centennial Plastics	C906 SDR11

<b>Pipe &amp; Fittings (Continued)</b>	PVC Bell Restraints	EBAA Iron Inc.	Tru-Dual Series 1500TD
		Ford / Uni-Flange	Uni-Flange Series 1390
		Sigma	PV-Lok Series PWP
		Smith Blair	Bell-Lock Series 165
		Star	Series 1100C
		Tyler Union	Tuff Grip Series 300C
	Ductile Iron Pipe Bell Restraints	EBAA Iron Inc.	Tru-Dual Series 1500TD
		Ford / Un-Flange	Uni-Flange Series 1390C
		Sigma	PV-Lok Series PWP-C
		Smith Blair	Bell-Lock Series 165
		Star	Star Grip Series 3100S
		Tyler Union	Tuff Grip Series 300C
	Restrained Joints	Tyler Union	TufGrip, Field Lok
		Romac	GripRing
		EBAA Iron	Megalug
		Ford	Uni-Flange
		Star Pipe Products	Star Grip Series 1000
		American Ductile Iron Pipe Co. - ACIPCO	Lok-Ring – 12” and less (used with Fast-Tite Pipe)
		Sigma	One-Lok
		SIP	Easy Grip
	Casing Spacers	Cascade Waterworks	Fusion Bond Coating 12” Band minimum 2” Runners
		GPT	
		BWM Company	
		Advance Products	
		CCI Pipeline	
	Marker Tape		Metallic
	Locator Ball	3M	Water - Blue
Reuse - Purple			
Locator Wire		Direct Bury – 14 Gauge Insulated Solid Copper	
		Directional Bore – 8 Gauge Insulated Solid Copper Plus 8 Gauge Insulated Copper Clad Steel Core	
<b>Service Lines</b>	Polyethylene Tubing	Endot	EndoPur - Water
			EndoCore - Reuse
	Charter Plastics		Blue Ice – Water
			Lavender Ice - Reuse
	Vanguard Pipe & Fittings		Bruiser - Water
			Purple - Reuse
ADS		Poly Flex - CTS	

<b>Service Lines (Continued)</b>	Corporation Stops	Mueller	MIP to Pack Joint
		Ford	Ball Valve
		A.Y. McDonald	No Lead Brass
	Curb Stops	Mueller	Pack Joint to Swivel Meter
		Ford	Ball Valve Padlock Wing
		A.Y. McDonald	No Lead Brass
	Meter Branch	Mueller	Pack Joint to Swivel Meter
		Ford	No Lead Brass
		A.Y. McDonald	
	Service Tee	Mueller	Pack Joint
		Ford	No Lead Brass
		A.Y. McDonald	
	Meter Box	NDS	D1500-OLSB – Water
			D1200-OLSB – Water
			D1500-DVOLSP – Reuse
			D1200-OLSP – Reuse
	Service Saddles	Ford	FC202
		Romac	202NS
		Mueller	DR2S
		Smith-Blair	317
Robar		2408	
Service Saddles for HDPE (Fusion Taps)	Smith-Blair	317, 4"- 16" Pipe	
	Ford	FCP202, 4"- 12" Pipe	
	JCM	406, 4"- 24" Pipe	
	Romac	202N-H, 4"- 12" Pipe	
<b>Miscellaneous Water</b>			
<b>Miscellaneous</b>	Fire hydrants	Mueller	Super Centurion
		Kennedy	Guardian K-81A
			Guardian K-81D
			Waterous
		Clow	Medallion
		U.S. Pipe	M94
	American Flow Control	B84B	
Automatic Flushing Device	Environmental Enhancement Technologies USA	Hydro Guard HG-1	
<b>Potable Water and Reuse Meter &amp; Backflow Assembly</b>			
<b>Meters</b>	Tru Flo Compound Gallon Meter - Toho Potable Special	Neptune	3" – EC3BR7G8S1083
			4" – EC3CR7G8S1083
			6" – EC3DR7G8S1083
	HP Turbine Meter - Toho Potable Special	Neptune	3" – ET4BR7G8S1083
			4" – ET4CR7G8S1083
			6" – ET4DR7G8S1083
			8" – ET4ER7G8S1083
			10" – ET4FR7G8S1083



<b>Meters (Continued)</b>	HP Turbine Meter - Toho RECLAIMED Special	Neptune	3" – ET4BR7G8S1309
			4" – ET4CR7G8S1309
			6" – ET4DR7G8S1309
			8" – ET4ER7G8S1309
			10" – ET4FR7G8S1309
<b>Strainers</b>	Flanged Coated Meter Strainer	Neptune	3" – 53107-600
			4" – 53107-700
			6" – 52000-601
			8" – 52000-704
			10" – 52000-802
<b>Meter Assembly Parts</b>	RPZ Backflow	Wilkins (Model 375), Apollo (A4ALF)	3" – W375OSYM
			4" – W375OSYP
			6" – W375OSYU
			8" – W375OSYX
			10" – W375OSY10
	OS&Y Gate Valve	AFC, Mueller	3" – AFC2503OSYFFOL
			4" – AFC2504OSYFFOL
			6" – AFC2506OSYFFOL
			8" – AFC2508OSYFFOL
			10" – AFC2510OSYFFOL
	Flanged Fittings	Tyler Union, Sigma	DI Flanged Fittings Sized to Meter Assembly
	Flange Kit w/ Red Rubber Gasket	Zinc plated w/ RR gasket	Sized to Meter Assembly
	Pipe Supports	Cold Spray Galvanized	Sized to Meter Assembly