

APPENDIX B
LIST OF APPROVED PRODUCTS - TRANSMISSION SYSTEMS

Cat.	Desc	Manufacturer	Wastewater	
			Model #	Comments
Air Release	ARV Enclosure	All ARV above ground enclosures shall be vented with tamper proof locking device		
		Water Plus Polyethylene Enclosure	131632 h30-g	Green 44" Tall
			171730 h40-g	Green 30" Tall
			AVG 2036 Encl	Green 36" Tall
		Hot Box Vent Guard Fiberglass Enclosure	GP3232 Base	
			AVG 2041 Encl	Green 41" Tall
		GP3232 Base		
	Safety-Guard/Hydro Guard	15100 Encl	Green 34" Tall	
	Air Release Valves	Air Release Valves shall be Combination Type, 316 SS		
		ARI	D-020 (SS)	Combination
ARV Vault	Air Release Valve Frame and Cover			
	US Foundry	USF 7665-HH-HJ		
Casing Seals/ Spacers	Casing End Seals	Casing End Seals. Annular Space between pipe and steel casing shall be brick and motar with end seals to secure ends.		
		Advance Products	Model AC and AW	
		BWM Company	Model WR and PO	
		Cascade Water Works	Model CCES	
		CCI Pipeline	Model ESW and ESC	
		Pipeline Seal & Insulator, Inc. (PSI)	Model C and W	
		Power Seal	Model 4810ES	
	Casing Spacer	Casing Spacers shall be a min. 8-inches wide for pipe 12" diameter or less or minimum 12-inches wide for pipe 16" or greater, shall have a minimum 14 gauge 304 stainless steel shell/band, minimum 1- gauge 304 reinforced risers; minimum thickness of 0.090 EPDM or PVC interior iners, glass reinforces polymer or ultra high molecular weight polyethylene and 304 stainless bols, nuts, washers.		
		Advance Products	SS18/SS112	
		BWM Company	BWM-SS-8/SS-12	
Cascade Water Works		Series CC 8"/12"		
CCI Pipeline		Model CCS8/CCS12		
	Pipeline Seal & Insulator, Inc. (PSI)	Series S8G-2/S12G-2		
Coatings	Exterior Coatings for Exposed Metal Assets	Coatings: Aerial pipe, hydrants, above ground piping, fittings, valves and appurtenances - System 1 Zinc / Urethane / Fluoropolymer application and color. Coating shall not be in contact with Potable Water unless NSF 61 approved.		
		Carboline	Carbozinc 621	3.0-8.0 mils
			Carbothane I33 HB	3.0-5.0 mils
			Carboxane 950	2.0-3.0 mils
		Tnemec	Zinc Series 90-97	2.5-3.5 mils
			Typosy Series 27WB	4.0-14.0 mils
			EnduraShield Series 73	2.0-3.0
			Hydroflon Series 700	2.0-3.0 mils
		Exterior Coatings for Exposed Metal Assets	Coatings: Aerial pipe, hydrants, above ground piping, fittings, valves and appurtenances - System 2 Zinc / Epoxy /Urethane application and color. Coating shall not be in contact with Potable Water unless NSF 61 approved.	
	Carboline		Carbozinc 621	3.0-8.0 mils
			Carboguard 60	4.0-6.0
			Carboxane 950	2.0-3.0 mils
	Tnemec		Zinc Series 90-97	2.5-3.5 mils
			Typosy Series 27WB	4.0-14.0 mils
			EnduraShield Series 73	2.0-3.0
			Hi-Build Epoxoline II Series N69	4.0-10.0 mils
	PPG/Ameron		Amercoat 68HS	min 3.0 mils
		Amercoat 385	4.0-6.0 mils	
Amercoat 450H		2.0-3.0		
Fittings	Fittings	Ductile Iron Fittings C153 SSB / C110 FLG: (Water & Reclaimed Water fittings shall cement lined or holiday free fusion bonded epoxy lined) (Wastewater fittings interior shall be Protecto 401 and holiday free)		
		American	30" & up	Protecto 401
		Sigma		Protecto 401
		Star		Protecto 401
		Tyler Union & Clow		Protecto 401
Joint Restraints	Ductile Iron Pipe (MI) Restraints	Mechanical Joint Wedge-action Restraining Gland, Epoxy Coated Restrain ductile iron pipe to mechanical joint fittings, pipe and appurtenances.		
		EBAA Iron Inc.	Megalug Series 1100	
		Ford/Uni-Flange	UFR-1400	
		Sigma	OneLok Series SLD/SLDE	
		Smith Blair	Cam Lok Series 111	
		Star	Star Grip Series 3000	
		Tyler Union	TufGrip Series TLD	
	DIP Bell Joint Restraints (4"-12") (New & Existing)	Bell Joint Restraints for Ductile Iron Pipe (4"-12") (New & Existing) - All restraints split serrated on bell and spigot ends. Pipe 16" and greater shall have restraint gaskets or locking bells. (Wastewater only for restraint of existing DIP FM)		
		EBAA Iron Inc.	Tru-Dual Series 1500TD	
		Ford/Uni-Flange	Uni-Flange Series 1390C	
		Sigma	PV-Lok Series PWP-C	
		Smith Blair	Bell-Lock Series 165	
Star		StarGrip Series 3100S		
	Tyler Union	TufGrip-Series 300C		

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LIST OF APPROVED PRODUCTS - TRANSMISSION SYSTEMS

Cat.	Desc	Manufacturer	Wastewater	
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Joint Restraints	SS to DIP Transition Restraint	SS to DIP Transition Restraint - Flanged stainless steel pipe from Wetwell to Valve box restrained joint transition (epoxy coated, SS hardware) Flg x PE RJ.		
		EBAA Iron Inc.	Megaflange 2100	
		Sigma	SigmaFlange with One Lock SLDE	
		Smith Blair	911 Flange - Lock Restrained FCA	
	PVC Pipe MJ Restraints	Mechanical Joint Wedge-action Restraining Gland, Epoxy Coated Restrain PVC pipe to mechanical joint fittings, and appurtenances.		
		EBAA Iron Inc.	2200 (42"-48")	
		Ford/Uni-Flange	UFR 1500 series	
		Sigma	One Lok Series SLC/SLCE	
		Smith Blair	Cam Lok Series 111	
	PVC Bell Joint Restraints (4" - 12") (New & Existing)	PVC Bell Joint Restraints: PVC pipe Split Serrated on Bell End and Spigot End. (4" - 12")(New & Existing)		
		EBAA Iron Inc.	Tri-Dual Series 1500TD	
		Ford/Uni-Flange	Uni-Flange Series 1390	
		Sigma	PV-Lok Series PWP	
		Smith Blair	Bell-Lock Series 165	
		Star	Series 1100C	
	PVC Bell Joint Restraints (16" & Greater)	PVC Bell Joint Restraints: (16" and Greater) PVC pipe Split Serrated on Bell End and Spigot End. Water & Reclaimed Water Existing pipe only. Wastewater shall be new and existing pipe.		
Ford/Uni-Flange		Series 1390		
JCM		Sur-Grip Series 621		
Sigma		PV-Lok PWP		
Smith Blair		Bell-Lock Series 165		
Star		Series 1100C		
Pipe	PVC C900 DR 18 Bell & Spigot (4"-12")	C900 Bell & Spigot PVC Pipe: 4 to 12-inch - AWWA C-900, Minimum DR18 for Water, Reclaimed and Wastewater. DR14 for Fire Lines. Manufacturers shall be members in good standing with Uni-Bell to maintain approval status.		
		CertainTeed 4" to 12"	Certa-Lok C900/RJ	Green
		Diamond Plastics Corp	Diamond C900	Green
		Ipex Inc.	C900 Blue Brute	Green
		JM Eagle	C-900	Green
		National Pipe & Plastics Inc.	C-900 Pipe	Green
		North American Pipe Corp (NAPCO)	C-900	Green
		Sanderson Pipe Corp	C-900	Green
	PVC C905 DR 18 Bell & Spigot 16" and Larger	C905 Bell & Spigot PVC Pipe: 16-inch and Larger - AWWA C-905, Minimum DR18 for all Force Mains up to 24". Minimum DR21/DR25 for 30" and greater. Manufacturers shall be members in good standing with Uni-Bell to maintain approval status.		
		Certaiteed 16"	Certa-Lok C905/RJ	
		Diamond Plastics Corp	Trans-21 DR18	Green
		Ipex Inc.	IPEX Centurion	Green
		JM Eagle	C905 Big Blue	Green
		North American Pipe Corp (NAPCO)	C905 Big Blue	Green
	HDPE C906 DR11	HDPE Pipe DR11 AWWA C901/C906 shall be Ductile Iron Pipe Size, PE 4710 DIPS manufactured in accordance with ASTM F-714 and listed with NSF. Pipe shall be marked in accordance with either AWWA C901, AWWA C906. Compression type connections are not acceptable in new installations. Pipe joints shall be butt fusion or electro-fusion with flange or adapter. All HDPE shall be color coded to the Utility. Color identifications are in accordance with the APWA/ULCC Uniform Color Code. Manufacturers shall be members in good standing with PPI to maintain approval status.		
		JM Eagle	HDPE	DR11 Green
ISCO		HDPE	DR11 Green	
Performance Pipe(Chevron)		Driscoplex 4300	DR11 Green	
PolyPipe, Inc.		EHMW	DR11 Green	
Ductile Iron Pipe	Ductile iron/Cast iron: (4" to 12" - Class 350, 16" to 24"- Class 250, 30" to 64"- Class 200). Water and Reclaimed water shall be cement lined. Wastewater Piping shall be Protecto 401 and Holiday Free. Exterior coatings as specified. Wastewater DIP piping shall be for pump station piping only. Manufacturers shall be members in good standing with DIPRA to maintain approval status.			
	American	Protecto 401	Pump Station	
	Griffin	Protecto 401	Pump Station	
	McWane Inc. DI Pipe Group	Protecto 401	Pump Station	
	US Pipe	Protecto 401	Pump Station	
Services	Service Saddles	Service Saddles for 1" (CC) & 2" (Iron pipe threads) Water & Reclaimed Water services on mains greater than 12". Service saddles for 2" taps (iron pipe threads) on 4" mains and greater for Wastewater: Epoxy or nylon coated stainless steel 18-8-type 304 double straps, controlled O.D. saddles to be used on C-900 / C905 or DI for all 1-in and 2-in taps on pipes over 12".		
		Ford	Series FC202	4" & greater
		JCM	Series 406	4" & greater
		Mueller	DR2S	4" & greater
		Romac	Series 202NS	4" & greater
		Smith Blair	Series 317	4" & greater
	Corporation Stops Ball Type	Corporation Stops Ball Type (1-inch with AWWA taper C threads only/pack joint outlet for CTS) 2" Corporation Stop Ball Type shall be 2" MIP X FIP threads.		
		Ford	FB1700-7	2" ARV
		AY McDonald	3149B2	2" ARV
		Mueller	B-20046	2" ARV

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Tapping Sleeves and Valves	Tapping Sleeves	Tapping Sleeves: (Mechanical joint for taps on cast iron, ductile iron, PVC & AC pipe, including size on size) with stainless steel nuts and bolts.			
		American Flow Control	Series 2800, Series 1004		
		Clow	Series F-5205, Series F-5207	DIP/PVC, A/C pipe	
		JCM	Series 414	FBE	
		Mueller	Series H-615, Series H-619	DIP/PVC, A/C pipe	
		Smith Blair	Style 623	FBE	
	Tapping Valves: 12" and smaller	Tapping Valves: 12" and smaller - Tapping Valves shall be furnished with an alignment lip and installed in the vertical position for Water and Reclaimed Water. Wastewater shall be installed horizontally and abandoned in the open position. Tapping valves shall be resilient seated only and meet the requirements of AWWA C509 or C515			
		American Flow Control	Series 2500	Alignment Lip	
		Clow	Series F-6114	Alignment Lip	
	Tapping Valves: 16" and Larger	Tapping Valves: 16" and Larger - Tapping Valves shall be furnished with an alignment lip. Tapping Valves 16: and larger AWWA C515 resilient seated only (16" and 24" no gearing required) above 24" shall be installed vertically with a spur gear actuator unless noted by the engineer. All tapping valves above 24" shall be furnished with NPT pipe plugs for flushing the tracks when valves are installed horizontally. Tapping valves for Wastewater shall be installed horizontally and abandoned in the open position.			
		American Flow Control	Series 2500		
		Clow	Series F-6114		
Valves	Check Valves	Valves (Check) 4-inch and Larger (8 mil epoxy lined)			
		American Flow Control	Series 600 or 50 line		
		Clow/M&H/Kennedy	106		
		Mueller	Series 2600		
	Plug Valve	Plug Valves - Bi-directional, MJ & Flanged (min. 8mil fusion bonded epoxy with stainless steel bolts), gear operator to be sized for rated pressure of the valve. Valves 4"-20" shall be 80% Full Port and valves 24" and greater shall be minimum of 70% full port. Valve shall be factory tested to minimum 100 PSI in both directions.			
Clow	F-5412 FLG, F-5413 MJ	4" & up			
Dezurik	Series PEF or PEC	4" & up			
Milikan/Pratt	Eccentric/Ballcentric	4" & up			
Val-Matic	5600 or 5800 (FLG), 5700 or 5900 (MJ)	4" & up			
Valve Box	Valve Box	For mains equal to, or greater than, 16" diameter or equal to greater than 6' feet deep			
		American Flow Control	2A-9A Retrofit Valve Box Insert	Green Sewer Locking Lid	
Valve Boxes with Locking Lids (Cast Iron)	Valve Boxes with Locking Lids (Cast Iron)	Two piece standard screw type Heavy Duty Valve Boxes with Locking Lids (Cast Iron) and type of service cast in heavy duty traffic lid (H20 loading) ASTM A48			
		Bingham/Taylor	Series 4905	Box	
			4950-X	Extension	
			4904-L	Green Sewer Locking Lid	
		Sigma	Series VB 261X-267X	Box	
			VB 6302	Extension	
			VB 4650S	Green Sewer Locking Lid	
		Star	Series VB -002	Box	
			VBEX 12-24S	Extension	
			VBLIDLOCK	Green Sewer Locking Lid	
		Tyler Union	Series 6850	Box	
			58, 59, 60	Extension	
Locking Lid	Green Sewer Locking Lid				
Coating	Anti-Graffiti Paint	Block Walls-Anti-Graffiti Paint			
		American Building Restoration Products	Polyshield Graffiti Preventer for Unpainted Masonry Type B	Super Bio Strip or Strip it all	
		Tnemec / Chemprobe	626 DUR A PEL	680 Mark A Way	
	Coatings for existing Manholes	Rehabilitation corrosion protection system. Interior coating for force main connections to existing concrete maholes only. New precaststructures and existing pump station shall be lined.			
		Sauereisen	210 Series, Topcoat Glaze 210G	min 125 mils, min 20 mils	
		Tnemec	Series 434, Topcoat Glaze 435	min 125 mils, 15-20 mils	
		Raven Lining System	Raven 155 Primer, Raven 405	min 8 mils, min 125 mils	
		CCI Spectrum, Inc	Spectrashield	min of 500 mils	
		Green Monster	Green Monster	min 125 mils	
		PVC Pipe and fitting	Pipe SDR 35 Gravity Mains	PVC Pipe for Gravity SDR26/SDR 35 (Green in color) ASTM-D034. Manufacturers shall be members in good standing with Uni-Bell to maintain approval	
Certainfeed	Gravity Sewer Pipe				
Diamond Plastics Corp	Sani-21 SDR-35				
JM Eagle	Gravity Sewer				
National Pipe & Plastics Inc.	Ever-Green Sewer Pipe				
North American Pipe Corp (NAPCO)	Gravity Sewer				
Sanderson Pipe Corp	Gravity Sewer				
Locate Balls	Locating Marker Systems - Wastewater Locator balls placed at all sanitary sewer cleanouts				
	3M		3M TM EMS 4" Extended Range 5' Ball Marker 1404-XR		
Fittings SDR 35	Fittings, Adapters and Plugs - Gravity PVC ASTM-D3034, Min SDR26/ SDR 35				
	GPK Products, Inc.		SDR26/SDR35 Gasketed sewer fittings		
	Harrington Corporation (HARCO)		SDR26/SDR35 Gasketed sewer fittings		
	Multi Fittings Corp.	SDR26/SDR 35 Trench Tough Sewer Fittings			
	JM Eagle	SDR26/SDR35 Gasketed sewer fittings			
	Plastic Trends Inc.	SDR26/SDR35 Gasketed sewer fittings			
	TIGRE USA, Inc.	SDR26/SDR35 Gasketed sewer fittings			

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	Flexible Pipe Connectors	Flexible Pipe Connectors and Transitions				
		Fernco	1002, 1051, 1056 Series			
		Indiana Seal	102, 151, 156 Series			
		Mission Rubber	MR02, MR51, MR 56 Series			
Precast Concrete Structures	MH Lids	Frame and Cover				
		USF Fabrication Inc	USF 225-AS			
	Adj Ring	Top Adjusting Rings - HDPE with heavy duty loading (H-20)				
		Ladtech, Inc	24R, 24S with Rope Sealant CS2455			
	Hatches	Wet Well and Valve Vault Access Frames and Covers (Include the term "Confined Space" etched or cast into the cover with recessed lock & hasp. Frames and covers per				
		Halliday Products	S1R or S2R Series			
	Precast Concrete Structures	Precast Concrete Structures	USF Fabrication Inc.			APS or APD Series
			Precast Manhole and Wetwell Structures ASTM C478. Precast concrete shall be batched with concrete dyed crystalline waterproofing admixture with corrosion protection. Concrete without admixture or without color tint /tracer shall be rejected.			
			Allied Precast		Dyed Admix	
			Atlantic Concrete Products, Inc.		Dyed Admix	
			Delzotto Products, Inc.		Dyed Admix	
			Dura Stress Underground Inc.		Dyed Admix	
			Hanson Pipe & Product		Dyed Admix	
			Mack Concrete		Dyed Admix	
Oldcastle Precast		Dyed Admix				
Standard Precast Inc.		Dyed Admix				
Concrete Admix	Concrete Admix	Crystalline Waterproofing Concrete Admix with color dye shall be added to all concrete structures (precast and cast-in-place) to provide waterproofing and corrosion resistance. Concrete without admixture or without color tint / tracer shall be rejected. % concentration of admix with colored dye added to the mix shall be based on weight of cement.				
		Kryton International	KIM K-301R (with red dye)	2%		
		Xypex Chemical Corp	Xypex Admix C-1000Red (with red dye)	3.0 - 3.5%		
Precast Concrete Structures	Liners	Interior Liner for New or existing Precast Manhole and Precast Wetwell Structures				
		AFE	Fiberglass Liner			
		AGRU Liner	HDPE Liner (Min 2 mm for Manhole / Min 5 mm for Pump Station)			
		Containment Solutions Inc. (Flowtite)	Fiberglass Liner			
		GSE Studliner	HDPE Liner (Min 2 mm for Manhole / Min 5 mm for Pump Station)			
		GU Liner	Reinforced Plastic Liner			
		L & F Manufacturing	Fiberglass Liner			
	Heat Shrink Seal	Heat Shrink Seal	Heat Shrink Seal - Precast structures shall be primed with manufacturer approved primer prior to application of heat shrunk encapsulation.			
			Canusa-CPS	Wrapid Seal with WrapidSeal Primer (Canusa G Primer)		
	Jointing Material	Jointing Material	Pipeline Seal & Insulator, Inc (PSI)			
			Jointing Material Min. 2" width for all products to ensure squeeze out with manufacturer approved primer.			
			Henry Company	Ram-Nek with Primer	with Primer	
	Pipe Seals Gravity	Pipe Seals Gravity	Martin Asphalt Company	Evergrip 990	with Primer	
			Trelleborg Pipe Seals	NPC – Bidco C-56	with Primer	
			Resilient Connector Pipe Seals, Manhole - Gravity less than 12-inch and less than 15-ft deep			
			Atlantic Concrete	A-Lok (cast-in-place)		
			Hail Mary Rubber	Star Seal (cast-in-place)		
	Pipe Seals Gravity	Pipe Seals Gravity	IPS	Wedge Style		
			NPC	Kor-N-Seal Model WS		
			Press seal gasket	PSX Direct Drive		
FM Pipe Seals	FM Pipe Seals	Cast in Place Pipe Seals, Manhole - Gravity Greater Than or Equal to 12-inch and all pipe sizes greater than 15-ft deep				
		Atlantic Concrete	Atlantic Concrete NA NA NA A-Lok			
FM Pipe Seals	FM Pipe Seals	Hail Mary Rubber	Hail Mary Rubber NA NA NA Star Seal			
		Modular Pipe Seals for Wet Well and Valve Box penetrations and all forcemain connections to existing and new precast concrete structures. EPDM Rubber with 316 SS Hardware				
		CCI Pipeline Systems	Wrap-It Link WL-SS Series			
FM Pipe Seals	FM Pipe Seals	Pipeline Seal & Insulator, Inc / Link Seal	Link-Seal S-316 Modular Seal			
		Proco Products, Inc	PenSeal ES-PS Series			

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Cat.	Desc	Manufacturer	Pump Stations		
			Model #	Comments	
Generator	Gen	Generator Systems, Fixed Shall be UL 2200 Certified			
		Catepillar	CAT Diesel Generator Set		
		Generac	Diesel Genset		
	Fuel Tanks	Generator Fuel Tanks, Shall be 2085 Certified			
		Convault	CVT-3SF or CVT- 33FF		
		Phoenix	Envirovault		
	GR	Generator Receptacle (GR)			
		Copper Crouse-Hinds	AR2042 (230V, 200A, 3P, 4W)		with AJA1 Angle Adaptor
		Copper Crouse-Hinds	AR2042-S22 (460V, 200A, 3P, 4W)		with AJA1 Angle Adaptor
	ATS	Generator Transfer Switch			
Russelectric		RMTD Series with model 2000 controller		NEMA 12/3R 316SS Enclosure	
Odor Control Units	Biotrickling Filters	Biotrickling Filters			
		BioAir			
		Biorem	Biosorbens BTF		
		Environgen	BTF		
	Carbon Adsorption Units	Carbon Adsorption Units			
		Siemens	Zabocs BTF		
Pressure Gauges	Pressure Gauges	Pressure Gauges shall have Diaphragm Seals, Oil Filled.			
		Ashcroft	10 1008 SL 02L 60# 25 200SS 02T XYTSE	Gauge Diaphragm Seal	
		Trerice	D83LFSS4002LA100 Gauge M51001SSS- Diaphragm Seal D99100 Fill and Mount Charge		
		Winter Gauges	PFQ770 0-60 PSI D70950 Top D70954 Bottom		
Pumps	Pumps	Submersible Pumps			
		Myers		Maitland only	
	Floats	Float Regulator (FR)- Duplex and Triplex Pump Stations			
		Atlantic Scientific	Roto-Float		
Radar	Radar- Pulse Burst Radar Transmitter. Input 24 VDC and Output 4-20 mA				
	Magnetrol	R82-520A-011			
Pump Station Main Service	Main Service Disconnect	Main Service Disconnect Breaker			
		Cutler-Hammer			
	Surge Protector Device	Square D			H or J frame 3 Pole 600 Volt (HGL or JGL determined by amorage)
		Surge Protector- UL 1449, 3rd Edition listed and labeled, minimum 10 year warranty, NEMA LS-1 and IEEE62, 41/45 Tested with NEMA 4X enclosure, internal fusing, voltage, and phase to match service. Rated 80,000 amps per mode for Duplex & Triplex Sations and 150,000 Amperes per mode for Master Stations. All devices shall be provided with a NEMA 4X plastic enclosure which is approved in Lieu of stainless steel.			
Sub Panel	Sub Panel	Current Technology (Power & Systems)			XN-80, TG-150 or Current Guard 150 Plus Series
		Joslyn AKA (Total Protection Solutions)			TSS-ST 160 Series, ST 300 Series, or JSP-300 Series
		Surge Suppressors, Inc			LSE Series or SHL Series
Pump Station Control Panel	Control Panel	Sub-Panel Enclosure- NEMA 12/3R Enclosure 316SS White Polyester Power coated finish inside and out with 3 point pad lockable handle and door Stop			
		Hoffman			
		Schaefer			
	Enclosure	Universal Enclosure Systems			
		Enclosure- NEMA 12/3R Enclosure 316SS White polyester powder coated finish inside and out, with 3 point pad lockable handle and door stop.			
		Hoffman			
	Mounts	Schaefer			
		Universal Enclosure Systems			
	Seal-off	Mounting Chanel for Enclosures			
		Unistrut Stainless Steel			1" 5/8 x 1" 5/8 316SS
Flasher	Explosion Proof Sealoff				
	Cooper Crouse-Hinds			EYSR- 2inch Min	
	Flasher (FL)				
AL	MPE			025-120-105	
	SSAC			FS-126	
	Alarm Light with base and globe (AL)				
	American Electric			F32552	
Red Dot Globe			VGLR-01		
Red Dot Base			VA-01		

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Cat.	Desc	Manufacturer	Pump Stations		
			Model #	Comments	
Pump Station Control Panel	Alarm Horn	Alarm Horn Wheel Lock	3IT-115-R		
	Fuse	Fuses (F) Bussman	FNQ-R or KTK-R		
	Hand-Auto Off	Hand-Auto Off Selector Square D	9001-SKS43B		
	Horn Silence	Horn Silence Button Square D	9001-SKR1RH5		
	Interlock	Mechanical Interlock Square D	S29354		
	Breakers	Control Panel Main Circuit Breaker with S29450 Circuit Breaker Auxiliary Switch			
		Square D	H or J Frame 3 Pole 600 Volt (HGL or JGL determined by amperage)		
		Emergency Circuit Breaker with S29450 Circuit Breaker Auxiliary Switch			
		Square D	H or J Frame 3 Pole 600 Volt (HGL or JGL determined by amperage)		
	Motor Starter	Motor Circuit Breaker			
		Square D	H or J Frame 3 Pole 600 Volt (HGL or JGL determined by amperage)		
		Control Circuit Breaker/ GFCI Receptacle Breaker/SCADA Breaker			
	Motor Starter	Square D	Q0120		
		Motor Starter Square D			
	Overload Heater	Overload Heater Square D			
			Part Number will vary with size needed		
	Overload Reset	Overload Reset Square D			
			9066-RAI		
	Transformer	Control Circuit Transformer Square D			
			9070TF75D23		120/24 Volt .075KVA
		Main Circuit Transformer Square D			
	Protector Breaker	9070T2000D1 Square D			
			480/120 2KVA		
	Phase Monitor	Sublemental Protector Breaker- 3 Pole, 1-amp for phase monitor Square D			
			MG24532		
	Phase Monitor	Phase Monitor			
		MPE 240-V	001-230-118-OVG5		
		MPE 480-V	002-450-123-OVG5		
	Pump Alternator	Pump Automatic Alternator			
		Diversified Duplex	ARA-120-ACA		
		Diversified Triplex	ARA-120-AME		
		MPE Duplex	008-120-13SP		
		MPE Triplex	009-120-23P		
	Alt Test Switch	MPE Triplex Socket SD-12-PC			
		Alt. Test Switch			
		Carling Technologies	6GG5E-78		
	Relay	Honeywell			
		Relay			
		Potter Brumfield 24-Volt	KRPA-11AN-24		
		Potter Brumfield 120-Volt	KRPA-11AN-120		
	Relay Base	Square D 24 Volt			
		Square D 120 Volt			
	Duplex Receptacle/ GFCI (DR)	Relay Base			
		IEDC 8 Pin Relay Base 600 Volt			
		SR2P-06			
	Elapse Time Meter	Duplex Receptacle/ GFCI (DR) Upgraded to 20 Amp			
		Hubbel	GFTR20BK		
	Grounding System	Pass & Seymour			
		2095TRBK			
		Elapse Time Meter (ETM)			
Terminal Strip	Reddington				
	711-0160				
	Grounding System				
	Marathon	Neutral Isolation Block 1421570			
Terminal Strip End Blocks and Clamps	Panduit				
	Ground Lug LAM2A 1/0-014-6Y				
Terminal Strip End Blocks and Clamps	Square D				
	Ground Buss PK7GTA				
Terminal Strip End Blocks and Clamps	Terminal Strip				
	Marathon	Series 200			
Terminal Strip End Blocks and Clamps	Square D				
	9080GR6				
Terminal Strip End Blocks and Clamps	Terminal Strip End Blocks and Clamps				
	Square D	9080GM6B & 9080GH10			

APPENDIX B
LIST OF APPROVED PRODUCTS - TRANSMISSION SYSTEMS

Cat.	Desc	Manufacturer	Pump Stations	
			Model #	Comments
	Pilot Light	Pilot Light 24 Volt with 1819 Bulb		
		Dialight	803-1710	
		Lightning Compnents & Design	Littlelight 930507X	
Coating	Coatings for Wetwells	Interior coating for new and existing wetwells.		
		Raven Lining System	Raven 155 Primer, Raven 405	min 8 mils, min 125 mils
		Green Monster	Green Monster	min 125 mils
Pump Station Control Panel	Run Indicator Light	Run Indicator Light 120-Volt		
		Dialight	803-1710	
	Moisture and Temp Failure Light	Moisture and Temperature Failure Light 120-Volt with 120 MB Bulb		
		Dialight	803-1710	
		Lightning Components & Design	Little Light 930507X with 120 MB Bulb	
Sluice	Sluice Gate	Sluice Gate for Wet Well with Motorized Operator		
		BNW	Model 77- 316 SS	
		Fontaine	Model 20- 316 SS	
VFD	VFD	Variable Frequency Drives		
		Cutler Hammer		
		Danfoss		
		Square-D		