



CITY OF PORT ST. LUCIE
UTILITY SYSTEMS DEPARTMENT
 900 SE Ogden Lane
 Port St. Lucie, FL 34983
 (772) 873-6400 – TDD Accessible
 (772) 871-7615 – FAX

Jesus A. Merejo, Director

Qualified Products List (QPL)

Project Name: _____

The following products have been found to be acceptable and/or desirable for this project. Specific product choices are noted by circling manufacturer’s name, specific model number, and submitting for approval. Shop drawings / cut sheets need not be submitted for approval if the Contractor uses products on this list. Any product not on this list will require prior approval by submitting shop drawings to the City of Port St. Lucie Utility Systems Department. Shop drawings will also be required for all pumps, water meters and non-standard items, such as manholes, wet wells, other castings, and control panels.

All materials shall conform to this listing or approved shop drawings. All requests for materials or substitutions shall be approved prior to delivery to the job site.

By our signature, the Contractor agrees to adhere to the following product specifications. It is understood that the City of Port St. Lucie Utility Systems Department will reject construction not in accordance with this document.

Note: The following items will be provided to the PSLUSD prior to project acceptance.

1. One repair kit for every five (5) fire hydrants or fraction thereof.
2. One operating wrench for every ten (10) fire hydrants or fraction thereof.
3. One repair kit for every pump station.
4. One manhole hook per project with new manhole lids. (includes interceptors)
5. One valve key (minimum 5’ long) per project with new valves.

Concurrence of Contractor:

 Print Company Name

 Print Authorized Officer/Owner Name

 Signature and Date

**CITY OF PORT ST. LUCIE UTILITY SYSTEMS DEPARTMENT
QUALIFIED PRODUCTS LIST**

Effective Date: 02/29/16

(These are the standard products approved by the PSLUSD, however, the PSLUSD reserves the right to make additions, deletions or to specify specific product use in certain situations.)

| | |
|--------------------------|---------|
| Potable Water Products | Page 3 |
| Wastewater Products | Page 8 |
| Reclaimed Water Products | Page 13 |
| Interceptor Products | Page 17 |
| Pump Station Products | Page 18 |

Potable Water Products

ACCESS BOX AND COVER

With WATER identification on lid

Sigma VB-2763 X

USF 7630

AIR VALVE PEDESTAL HOUSING

Channell SPH142006C1B5L08A27

AUTOMATIC FLUSHING DEVICE

Environmental Enhancement & Technologies USA, Inc. HG-1 Hydro Guard

BACKFLOW PREVENTERS (Reduced Pressure Backflow Assembly)

Ames 4000BSS (3/4" - 2") 4000SS (2 1/2" - 10")

Golden Eagle 919 (3/4" - 2")

Wilkins 975XL2 (3/4" - 2")

Febco 825Y (3/4" - 2") 825YP (2 1/2" - 10")

Watts 909LF (3/4" - 10") 919LF (3/4" - 2")

Wilkins 375 (2 1/2" - 10")

BRONZE DISC VALVE MARKER

R/G Wrenches & Extensions

Wager Company of Florida – WAGCO Marker

CASING SPACERS - 12" Width min.

APS - Advance Products Systems

PSI - Pipeline Seal and Insulator

Cascade

COMBINATION AIR VALVE (WATER) ONE-INCH (1")

(Pipe Size 6" thru 10")

Apco 143C

G.A. Industries 945

ARI D-040

COMBINATION AIR VALVE (WATER) TWO-INCH (2")

(Pipe Size 12" and above)

Apco 145C

G.A. Industries 945

ARI D-040-C

BALL CORPORATION STOP

Mueller G-25028N (3/4" - 2")

Ford FB1100-4-G-NL (1")

Ford FB1100-7-G-NL (2")

DOUBLE CHECK ASSEMBLY

Ames 200B (3/4" - 2")

Conbraco 40-100 (2 1/2" - 10")

Watts 709LF (2 1/2" - 10")

Wilkins 950 XL (3/4" - 2")

Ames 2000ss (2 1/2" - 10")

Febco 805YP (2 1/2" - 10")

Wilkins 350XL (2" - 10")

DOUBLE CHECK DETECTOR ASSEMBLY

| | | | |
|-----------------|----------------|-----------------|------------|
| Ames 3000SS | (2 1/2" - 10") | Conbraco 40-600 | (3" - 10") |
| Febco 806Y DCDA | (3" - 10") | Watts 709 DCDA | (3" - 10") |
| Wilkins 350DA | (2 1/2" - 12") | | |

DUCTILE IRON PIPE

(Water - Cement Lined) (All flanged gaskets shall be full faced 1/8 inch Toruseal)

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

DUCTILE IRON FITTINGS

(Water - Cement Lined) (All flanged gaskets shall be full faced 1/8 inch Toruseal)

| | |
|------------------------|----------------|
| American | Clow (McWane) |
| Griffin | Sigma |
| Star | Tyler (McWane) |
| Union Foundry (McWane) | U.S. Pipe |

ELECTRONIC MARKER BALLS WITH TIE DOWN STRAPS

| | |
|----------------------------|-------------------------------|
| 3M - Water/Blue 1403 XR | 3M - Wastewater/Green 1404 XR |
| 3M - Re-Use/Purple 1428 XR | |

FIRE HYDRANTS (5 1/4" VALVE OPENING)

| | |
|--------------------|-----------------------------------------|
| AVK Nostalgic 2780 | Mueller Super Centurion A-423 |
| Clow Medallion | American Darling B-84-B Beach Side Spec |

HIGH DENSITY POLYETHYLENE PRESSURE PIPE OVER 3" DIAMETER

| | |
|-------------------------------|----------|
| Driscoplex (Performance Pipe) | J-M Pipe |
| Polypipe, Inc | |

KEY VALVE BRANCH ASSEMBLY

Ford UV43-42W-NL (1" x 3/4")

KEY ANGLE METER VALVES

| | | |
|-------------------------------|----------------|-----------------|
| Ford BA43-342W-NL (1" x 3/4") | BA43-444W (1") | BFA43-777W (2") |
| Mueller H-14258 (1" x 3/4") | H-14258 (1") | H-14286 (2") |

LOCATE TRACER WIRE

Open-Cut Installation

Copperhead Ind. Reinforced Tracer Wire (#12 AWG) #1230HS Blue

Directional Boring Installation

Copperhead Ind. Reinforced Tracer Wire (#12 EHS) #1245EHS Blue

LOCATE TRACER WIRE CONNECTORS

Copperhead Ind. DRYCONN Direct Bury Lug #CH90120

LUBRICANT – (ANTI-SEIZE)

Oxlic Never Seize

MARKING TAPE

Harris Industries – Blue – PSLUD-6BLUE

MECHANICAL JOINT RESTRAINTS

American Fast Gasket
Ford - Uni-Flange
Star – Stargrip Series 3000, 4000
Sigma – SLD Series (DIP), SLC Series (PVC), PVPF Series (PVC to Pressure Fittings), ZF Series (Zip Flange)
EBAA - Mega Lug
U.S. Field-Lock Gasket

METER BOXES CONCRETE & PLASTIC

Carson Plastic Box - Single 1419 Double 1220
Carson Plastic Solid T-Cover Lid - Single 1419-4 Double 1220-4
Brooks Concrete - Single 36H Double Dual-H

PAINT FOR HYDRANTS, ABOVE GROUND APPURTANENCES, AND PIPING

(Sherwin Williams Acrolon 218 HS Acrylic Polyurethane with Macropoxy 646 primer)
Safety Red – SW4081 (fire hydrant) Safety Blue – SW4086 (potable water)
Safety Yellow – SW4084 (private hydrants, bollards)

PAINT FOR ALL UTILITY LIDS AND COVERS FLUSH WITH GROUND

(Sherwin Williams Zero VOC Acrylic with Pro-Cryl Universal water based primer)
Safety Red – SW4081 (fire hydrant) Safety Blue – SW4086 (potable water)
Safety Yellow – SW4084 (private hydrants)

PIPE RESTRAINTS

Star – PVC Pipe Series 1000
EBAA – Series 1500 and 2800
Sigma - PVP Series (PVC Bell & Spigot Joint)

PIPE SUPPORTS

FM Stainless, LLC Stainless Steel Stanchion Saddle Support (316 SS, Fig 59a)(over 2")
Unistrut Corp., Unistrut Metal Framing (316 SS) with Vinyl End Caps (up to 2")

PRESSURE TRANSDUCER

Water Main – Ashcroft –K1-5-M02-42-P7 100 PSI, with 6’ cord

POLYETHYLENE TUBING PE 3408 ONE-INCH (1")

Driscoplex (Performance Pipe) Endot (Yardley)
Polypipe, Inc Silver-Liner Plastics, Inc

POLYETHYLENE TUBING PE 3408 (2") (DIPS/CTS)

Driscoplex (Performance Pipe) Endot (Yardley)
Polypipe, Inc Silver-Liner Plastics, Inc

Pratt

VALVES - CHECK - (Spring Loaded) (Swing Check)

American Flow Control (2"-36")

AVK (3 - 12")

Clow (McWane) (2"-24")

Kennedy (McWane) (2"-24")

Mueller (2 ½"-24")

VALVES – GATE - RESILIENT SEAT AND RESILIENT SEAT TAPPING

American Flow Control

AVK

Clow (McWane)

Kennedy (McWane)

M & H (McWane)

Mueller

VALVE/TEE COMBINATION – GATE VALVE

AVK

WIRE PORT

Copperhead Industries – SnakePit Roadway Box with blue top

Wastewater Products

ACCESS BOX AND COVER

With SEWER identification on lid

Sigma VB-2763 X

USF 7630

AIR VALVE PEDESTAL HOUSING

Channell SPH142006C1B5L08A27

BRONZE DISC VALVE MARKER

R/G Wrenches & Extensions.

Wager Company of Florida – WAGCO Marker

CASING SPACERS - 12" Width min.

APS - Advance Products Systems

PSI - Pipeline Seal and Insulator

Cascade

COATING (Concrete Exterior)

Pro- Tec EW-1 Water Based Epoxy

COMBINATION AIR VALVE (WASTEWATER)

2" Regular Body

Apco 445

G.A. Industries 942

ARI D-020

Valmatic 802A

2" Short Body

ARI D-025

CORPORATION STOP

Ford F1101-4 (1") FB1700-7 (2")

Mueller H-15028 (1") H-10046 (2")

CORROSION BARRIER SYSTEM FOR MANHOLES - NEW

GU Florida, Inc., Inc.

CORROSION BARRIER SYSTEM FOR MANHOLES - REHABILITATION

SewperCoat – ThoRoc

LF Manf. – Fiberglass Reinforced Polyester Liner

The Strong Co. – Strong Seal

DUCTILE IRON PIPE

(Sewer - Epoxy Lined) (All flanged gaskets shall be full faced 1/8 inch Toruseal)

American

Griffin

Union Foundry (McWane)

Clow (McWane)

Tyler (McWane)

U.S. Pipe

DUCTILE IRON FITTINGS

(Sewer - Epoxy Lined) (All flanged gaskets shall be full faced 1/8 inch Toruseal)

| | |
|------------------------|----------------|
| American | Clow (McWane) |
| Griffin | Sigma |
| Star | Tyler (McWane) |
| Union Foundry (McWane) | U.S. Pipe |

ELASTOMERIC GASKET/ RESILIENT CONNECTORS (manholes)

Prefabricated Pipe Boot

Press-Seal Gasket Corporation, CAST-A-SEAL® 603 Cast-In Flexible Boot Connector

Cored Holes

Press-Seal Gasket Corporation, PSX: DIRECT DRIVE

ELECTRONIC MARKER BALLS WITH TIE DOWN STRAPS

3M - Wastewater/Green 1404 XR

EXTERNAL JOINT SEALING SYSTEMS

| | |
|--------------------|-------------|
| CanUSA Wrapid Seal | Cretex Wrap |
|--------------------|-------------|

RUBBER JOINT SEALANT (manholes & wetwells)

Butyl Rubber Preformed Flexible Joint Sealant
Press-Seal Gasket Corporation, PRO-STICK
Henry Company, RU106-RUB' R-NEK "LTM"

HIGH DENSITY POLYETHYLENE PRESSURE PIPE OVER 3" DIAMETER

| | |
|-------------------------------|----------|
| Driscoplex (Performance Pipe) | J-M Pipe |
| Polypipe, Inc | |

INSIDE CHIMNEY LINER

GU Florida, Inc. – GU Convertible Collar (for GU lined manholes)
Cretex Specialty Products – T-Rex Chimney Seal (for Pamrex cover)
Cretex Specialty Products – Internal Manhole Chimney Seal (for standard ring and cover)

LOCATE TRACER WIRE

Open-Cut Installation

Copperhead Ind. Reinforced Tracer Wire (#12 AWG) #1230HS Green

Directional Boring Installation

Copperhead Ind. Reinforced Tracer Wire (#12 EHS) #1245EHS Green

LOCATE TRACER WIRE CONNECTORS

Copperhead Ind. DRYCONN Direct Bury Lug #CH90120

LUBRICANT – (ANTI-SEIZE)

Oxlic Never Seize

MANHOLE COVERS – WITH LOCKING KIT

CertainTeed Pamrex Ductile Iron Ring and Hinged Locking Cover
U.S. Foundry & Manufacturing Corporation – USF 924 & USF 926 Cast Iron Hinged Ring and Locking Cover

MANHOLE INSIDE DROP ASSEMBLY

GU Florida, Inc.

MARKING TAPE

Arthur Enterprises / Harris Industries – Green – PSLUD-6GRN

MECHANICAL JOINT RESTRAINTS

American Fast Gasket
Ford - Uni-Flange
Star – Stargrip Series 3000, 4000
Sigma – SLD Series (DIP), SLC Series (PVC), PVPF Series (PVC to Pressure Fittings), ZF Series (Zip Flange)
EBAA - Mega Lug
U.S. Field-Lock Gasket

METERS (Sewer)

Magnetic Flow Meter – Siemens Energy & Automation

PAINT FOR ABOVE GROUND APPURTANENCES, AND PIPING

(Sherwin Williams Acrolon 218 HS Acrylic Polyurethane with Macropoxy 646 primer)
Safety Green – SW4085 (wastewater)
Safety Yellow – SW4084 (bollards)

PAINT FOR ALL UTILITY LIDS AND COVERS FLUSH WITH GROUND

(Sherwin Williams Zero VOC Acrylic with Pro-Cryl Universal water based primer)
Safety Green – SW4085 (wastewater)

PIPE RESTRAINTS

Star – PVC Pipe Series 1000
EBAA – Series 1500 and 2800
Sigma - PVP Series (PVC Bell & Spigot Joint)

PIPE SUPPORTS

FM Stainless, LLC Stainless Steel Stanchion Saddle Support (316 SS, Fig 59a)

PRESSURE TRANSDUCER

Force Main – Ashcroft - K1-5-M02-42-P7 100 PSI, with 6’ cord

POLY PIGS

Pigs - Knapp Polly Pig
Pig Signal Device – Maloney Pipeline Products

POLYETHYLENE TUBING PE 3408 (2") (DIPS/CTS)

Driscoplex (Performance Pipe)
Polypipe, Inc
Endot (Yardley)
Silver-Liner Plastics, Inc.

PVC PIPE

North American Pipe
Silver Liner Plastics Inc.
National American

Diamond Plastic Corporation
J-M

PVC SEWER FITTINGS

Harco
Multi Fittings

Plastic Trends

REFLECTIVE PAVEMENT MARKERS

3M PSA 297 Green
Hy-Viz

Ray-O-Lite AA ARC II Green
Rough Duty Stimsonite Model 911AG Green

SERVICE SADDLES (Stainless Steel Straps-Epoxy Coated Saddle)

Ford
Romac

JCM
Smith Blair (Rockwell)

TAPPING SLEEVE (Stainless Steel)

Cascade CST-EX
JCM #432
Romac SST

Ford – FAST
Power Seal #3490
Smith/Blair (Rockwell) #663

VALVE BOX ALIGNMENT DEVICE

Adaptor, Inc. – Valve Box Adaptor II

Adaptor, Inc. – Valve Box Adaptor II – 6” PVC

VALVE BOXES (SCREW TYPE) - WITH LOCKING LID

Valve Box and locking lid must be same manufacturer

Tyler
Star - Type HD

Sigma Thickwall – Type X

VALVES - CHECK - (Spring Loaded) (Swing Check)

American Flow Control (2"-36")
Clow (McWane) (2"-24")
Mueller (2 ½"-24")

AVK (3 - 12")
Kennedy (McWane) (2"-24")

VALVE – TRUE UNION BALL

Ipex - VX Series with EPDM seals

VALVE - GATE AND ANGLE - 3/4" - 3 "

American Valve
Kennedy (McWane)
Nibco

AVK
Milwaukee

VALVES – GATE - RESILIENT SEAT AND RESILIENT SEAT TAPPING

American Flow Control
Clow (McWane)
M & H (McWane)

AVK
Kennedy (McWane)
Mueller

VALVE/TEE COMBINATION – GATE VALVE

AVK

VALVES – PLUG

Clow (McWane)

Homestead

Milliken

Dezurik

Kennedy (McWane)

Pratt

WIRE PORT

Copperhead Industries – SnakePit Roadway Box with green top

Reclaimed Water Products

ACCESS BOX AND COVER

With Reclaimed Water identification on lid

Sigma VB-2763 X

USF 7630

AIR VALVE PEDESTAL HOUSING

Channell SPH142006C1B5L08A27

BRONZE DISC VALVE MARKER

R/G Wrenches & Extensions.

Wager Company of Florida – WAGCO Marker

CASING SPACERS - 12" Width min.

APS - Advance Products Systems

Cascade

PSI - Pipeline Seal and Insulator

COMBINATION AIR VALVE (WASTEWATER)

2" Regular Body

Apco 445

ARI D-020

G.A. Industries 942

Valmatic 802A

2" Short Body

ARI D-025

DUCTILE IRON PIPE

(Water - Cement Lined) (All flanged gaskets shall be full faced 1/8 inch Toruseal)

American

Clow (McWane)

Griffin

Tyler (McWane)

Union Foundry (McWane)

U.S. Pipe

DUCTILE IRON FITTINGS

(Water - Cement Lined) (All flanged gaskets shall be full faced 1/8 inch Toruseal)

American

Clow (McWane)

Griffin

Sigma

Star

Tyler (McWane)

Union Foundry (McWane)

U.S. Pipe

ELECTRONIC MARKER BALLS WITH TIE DOWN STRAPS

3M – Re-Use/Purple 1428 XR

HIGH DENSITY POLYETHYLENE PRESSURE PIPE OVER 3" DIAMETER

Driscoplex (Performance Pipe)

J-M Pipe

Polypipe, Inc

LOCATE TRACER WIRE

Open-Cut Installation

Copperhead Ind. Reinforced Tracer Wire (#12 AWG) #1230HS Purple

Directional Boring Installation

Copperhead Ind. Reinforced Tracer Wire (#12 EHS) #1245EHS Purple

LOCATE TRACER WIRE CONNECTORS

Copperhead Ind. DRYCONN Direct Bury Lug #CH90120

LUBRICANT – (ANTI-SEIZE)

Oxlic Never Seize

MARKING TAPE

Harris Industries – Purple – UT-PSLUD-6PURP

MECHANICAL JOINT RESTRAINTS

American Fast Gasket

EBAA - Mega Lug

Ford - Uni-Flange

U.S. Field-Lock Gasket

Star – Stargrip Series 3000, 4000

Sigma – SLD Series (DIP), SLC Series (PVC), PVPF Series (PVC to Pressure Fittings), ZF Series (Zip Flange)

PAINT FOR ABOVE GROUND APPURTANENCES, AND PIPING

(Sherwin Williams Acrolon 218 HS Acrylic Polyurethane with Macropoxy 646 primer)

Plumb – SW4080 (re-use)

PAINT FOR ALL UTILTY LIDS AND COVERS FLUSH WITH GROUND

(Sherwin Williams Zero VOC Acrylic with Pro-Cryl Universal water based primer)

Plumb – SW4080 (re-use)

PIPE RESTRAINTS

Star – PVC Pipe Series 1000

EBAA – Series 1500 and 2800

Sigma - PVP Series (PVC Bell & Spigot Joint)

PIPE SUPPORTS

FM Stainless, LLC Stainless Steel Stanchion Saddle Support (316 SS, Fig 59a)

POLY PIGS

Pigs - Knapp Polly Pig

Pig Signal Device – Maloney Pipeline Products

PVC PIPE

North American Pipe

Diamond Plastic Corporation

Silver Liner Plastics Inc.

J-M

National American

REFLECTIVE PAVEMENT MARKERS

Hy-Viz Standard Duty Stimsonite Model 88AW Purple

RECLAIMED WATER METER STATIONS

Instrumentation/Systems Integrator – Curry Controls Company
Flow Meters – Water Specialties ML04, with SS Trim & Gears, Flow Transmitter to have 4-20 mA analog output TR16 transmitter
Pressure Transmitters – Druck, ABB, Rosemount, with 1-100 psi range
Electric/Hydraulic Control Valve – Clay Val 131-01 / 621-11, with features BEYKC and X1170 VLV position transmitter with solenoid shut-off feature.
Software – Modicon Unity
Enclosure – Hoffman, Electromate
Corrosion Inhibitor – Zerust, Hoffman, Eaton
Breakers – Square D
Pilot Lights, Selector Switches, Pushbuttons – Square D Type K
Terminal Blocks – Entrlec, Panduit, Square D
Surge Protection – Edco, Ditek, Square D
PLC – Modicon M340, Quantum,
Control Relays – AA Electric, Square D, Diversified
DC/DC Converter – Xenotronics
Batteries – Power Sonics, Yuasa, Werker (12V, 7.5 AH)
Fiber Optic/Ethernet Swith – Cisco IE3000-4TC
Fiber Optic Patch Panel – Corning, Anixter
Fiber Optic/Modbus Converter – Lantronix XSDRSN-01 SPRESS-DR
Level Transmitter – HydroRanger 200, Echomax XPS-5 Transducer
Digital Panel Display – Red Lion, Precision Digital

RUBBER JOINT SEALANT (manholes & wetwells)

Butyl Rubber Preformed Flexible Joint Sealant
Press-Seal Gasket Corporation, PRO-STICK
Henry Company, RU106-RUB' R-NEK "LTM"

VALVE BOX ALIGNMENT DEVICE

Adaptor, Inc. – Valve Box Adaptor II Adaptor, Inc. – Valve Box Adaptor II – 6" PVC

VALVE BOXES (SCREW TYPE) - WITH LOCKING LID

Valve Box and locking lid must be same manufacturer
Tyler Sigma Thickwall – Type X
Star - Type HD

VALVES - CHECK - (Spring Loaded) (Swing Check)

American Flow Control (2"-36") AVK (3 - 12")
Clow (McWane) (2"-24") Kennedy (McWane) (2"-24")
Mueller (2 ½"-24")

VALVE - GATE AND ANGLE - 3/4" - 3 "

American Valve
Kennedy (McWane)
Nibco

AVK
Milwaukee

VALVES – GATE - RESILIENT SEAT AND RESILIENT SEAT TAPPING

American Flow Control
Clow (McWane)
M & H (McWane)

AVK
Kennedy (McWane)
Mueller

VALVES – PLUG

Clow (McWane)
Homestead
Milliken

Dezurik
Kennedy (McWane)
Pratt

WIRE PORT

Copperhead Industries – SnakePit Roadway Box with purple top

Interceptor Products

EXTERNAL JOINT SEALING SYSTEMS

CanUSA Wrapid Seal

Cretex Wrap

CLEAN-OUT FRAME AND COVER

Sigma VB-761

U.S. Foundry - USF 7630

INTERCEPTORS - HAIR

Zurn Z1175 Z1176

INTERCEPTOR - LINT

Zurn Z1185

INTERCEPTORS – GREASE (EXTERIOR)

| | | | |
|---------------------|----------------|-----------------|-----------------|
| Florida Septic Inc. | 750 PSL Grease | 1050 PSL Grease | 1250 PSL Grease |
| Sebring Septic Tank | 750 PSL Grease | 1050 PSL Grease | 1250 PSL Grease |

INTERCEPTORS – GREASE (INTERIOR)

| | |
|---------------|---------------------------------------------|
| Thermaco | Big Dipper Internal Strainer (IS) |
| Highland Tank | GreaseStopper Automatic Grease Interceptors |

INTERCEPTORS – OIL/SAND

| | | | |
|---------------------|------------------|-------------------|-------------------|
| Florida Septic Inc. | 750 PSL Oil/Sand | 1050 PSL Oil/Sand | 1250 PSL Oil/Sand |
| Sebring Septic Tank | 750 PSL Oil/Sand | 1050 PSL Oil/Sand | 1250 PSL Oil/Sand |

JOINT SEALANT

Butyl Rubber Preformed Flexible Joint Sealant
Press-Seal Gasket Corporation, PRO-STICK Henry Company, RU106-RUB' R-NEK "LTM"

GREASE INTERCEPTOR COVERS

CertainTeed Pamrex Ductile Iron Ring and Hinged Cover
U.S. Foundry & Manufacturing Corporation – USF 924 & USF 926 Cast Iron Hinged Ring and Co

PAINT FOR ALL UTILITY LIDS AND COVERS FLUSH WITH GROUND

(Sherwin Williams Zero VOC Acrylic with Pro-Cryl Universal water based primer)
Safety Green – SW4085 (wastewater)

PVC PIPE

| | | |
|---------------------|-----------------------------|----------------------------|
| North American Pipe | Diamond Plastic Corporation | Silver Liner Plastics Inc. |
| J-M | National American | |

PVC SEWER FITTINGS

| | | |
|-------|----------------|----------------|
| Harco | Multi Fittings | Plastic Trends |
|-------|----------------|----------------|

PIPE SUPPORTS

FM Stainless, LLC Stainless Steel Stanchion Saddle Support (316 SS, Fig 59a)

Pump Station Products

ACCESS BOX AND COVER

With appropriate WATER or SEWER identification on lid

Sigma VB-2763 X

USF 7630

BRONZE DISC VALVE MARKER

R/G Wrenches & Extensions

Wager Company of Florida – WAGCO Marker

COATING (Manholes & lift stations exterior)

Pro- Tec EW-1 Water Based Epoxy

CONTROL CABINET FASTENERS

Stainless Steel Tapcons

CORROSION BARRIER SYSTEM FOR LIFT STATIONS - NEW

(Cast in solid liner)

GU Florida, Inc

CORROSION BARRIER SYSTEM FOR LIFT STATIONS - REHABILITATION

SewperCoat – ThoRoc

The Strong Co. – Strong Seal

LF Manf. – Fiberglass Reinforced Polyester Liner

DUCTILE IRON PIPE

(Water - Cement Lined) (Sewer - Epoxy Lined) (All flanged gaskets shall be full faced 1/8 inch Toruseal)

American

Clow (McWane)

Griffin

Tyler (McWane)

Union Foundry (McWane)

U.S. Pipe

DUCTILE IRON FITTINGS

(Water - Cement Lined) (Sewer - Epoxy Lined) (All flanged gaskets shall be full faced 1/8 inch Toruseal)

American

Clow (McWane)

Griffin

Sigma

Star

Tyler (McWane)

Union Foundry (McWane)

U.S. Pipe

ELASTOMERIC GASKET/ RESILIENT CONNECTORS (manholes)

Prefabricated Pipe Boot

Press-Seal Gasket Corporation, CAST-A-SEAL® 603 Cast-In Flexible Boot Connector

Cored Holes

Press-Seal Gasket Corporation, PSX: DIRECT DRIVE

ELECTRONIC MARKER BALLS WITH TIE DOWN STRAPS

3M - Wastewater/Green 1404 XR

EXTERNAL JOINT SEALING SYSTEMS

CanUSA Wrapid Seal

Cretex Wrap

FALL THROUGH PREVENTION SYSTEMS

Hatch Safety Grate – U.S.F. Fabrication, Inc. (6’ diameter or larger wet wells)

Hatch Safety Net – U.S.F. Fabrication, Inc. (less than 6’ diameter wet wells)

FLOATS

Flygt-ENM-10

Myers

GENERATOR RECEPTACLE (lift station)

Pyle-National JRE-4100 (up to 100 amps)

JOINT SEALANT (manholes & wetwells)

Butyl Rubber Preformed Flexible Joint Sealant

Press-Seal Gasket Corporation, PRO-STICK

Henry Company, RU106-RUB’ R-NEK “LTM”

LOCATE TRACER WIRE

Open-Cut Installation

Copperhead Ind. Reinforced Tracer Wire (#12 AWG) #1230HS Green

Directional Boring Installation

Copperhead Ind. Reinforced Tracer Wire (#12 EHS) #1245EHS Green

LOCATE TRACER WIRE CONNECTORS

Copperhead Ind. DRYCONN Direct Bury Lug #CH90120

LUBRICANT – (ANTI-SEIZE)

Oxlic Never Seize

MARKING TAPE

Harris Industries – Green – UT-PSLUD-6GRN

MECHANICAL JOINT RESTRAINTS

American Fast Gasket

EBAA - Mega Lug

Ford - Uni-Flange

U.S. Field-Lock Gasket

Star – Stargrip Series 3000, 4000

Sigma – SLD Series (DIP), SLC Series (PVC), PVPF Series (PVC to Pressure Fittings), ZF Series

ODOR/GAS SCRUBBER (lift station)

Atlantic Environmental Systems, Inc. (MOPS)

OGS-B-4

OGS-B-1036-4 Stage

PAINT FOR ABOVE GROUND APPURTANENCES, AND PIPING

(Sherwin Williams Acrolon 218 HS Acrylic Polyurethane with Macropoxy 646 primer)

Safety Green – SW4085 (wastewater)

Anchor Gray – SW4025 (raw sewage above ground piping inside lift station fence)

PAINT FOR ALL UTILITY LIDS AND COVERS FLUSH WITH GROUND

(Sherwin Williams Zero VOC Acrylic with Pro-Cryl Universal water based primer)

Safety Green – SW4085 (wastewater)

Anchor Gray – SW4025 (raw sewage above ground piping inside lift station fence)

PIPE SUPPORTS

FM Stainless, LLC Stainless Steel Stanchion Saddle Support (316 SS, Fig 59a)

PRESSURE TRANSDUCER

Force Main – Ashcroft - K1-5-M02-42—P7 100 PSI, with 6' cord

Water Service – Ashcroft – K1-5-MO2-42 100 PSI, with 6' cord

PUMP STATIONS

Pump Station repair kits contain the following: 1 full set of fuses for entire panel (supplied with panel), 1 set of contact for the motor starters, and 1 full set of fuses for the disconnect if fused (3" to 6" long fuses inside of disconnect).

Grinders -

Myers (Hydro Pumps)

Atlantic Environmental Systems Inc (MOPS)

CONTROL PANELS

ECS Control Systems

Best Controls Company

Curry Controls Company

Control Panels Components for Lift Stations:

Surge Protection – Edco (analog) Polyphasor (radio), Square D (Electrical)

Corrosion Inhibitor – Eaton, Zerust, Hoffman

Radio – Calamp Viper SC100 for 151.5650 MHz / Calamp Viper SC400 for 452.1000 MHz

Heliac Coaxial Cable and Connectors – Andrews, LMR

Terminal Blocks – Entrelec, Square D, Panduit

Control/Timing Relays – Square D, AA Electric, Diversified, Syrelec

DC/DC Converter – Converter Concepts

Battery Charger – Xenotronics

Batteries – Werker, Polysonics, Uuasa (12V, 7.5 AH minimum)

Control Transformers – Square D

Motor Starters/VFD – Square D

Breakers – Square D QO

PLC – Modicon M340

Fiber/Ethernet Switch – Cisco IE3000 – 4TC

Fiber Patch Panel – Corning, Anixter

Fuses – Bussman, FuseLite

Phase Monitors/Alternators - Diversified

Unistrut Corp., Unistrut Metal Framing (316 SS) with Vinyl End Caps

Submersible Pumps

Grinders - Myers (Hydro Pumps) Homa (MOPS)
Non Clog –Flygt

Telemetry

Antenna –
Glades/Northport WWTF – 151.565 MHz, Antenna - Sinclair 150 – 174 MHz
Southport/Westport WWTF – 452.100 MHz, Antenna – Sinclair 450 – 470 MHz
Tower – Rohn 25G Base, 25AG Top

Wet Wells (See PSLUSD Form 29 for pump selection)

Grinders – Fiberglass – Myers (Hydro Pumps) Atlantic Environmental Systems Inc. (MOPS)
Non Clog – Precast Concrete

Valve Vaults

Grinders – Fiberglass – Myers (Hydro Pumps) Atlantic Environmental Systems Inc. (MOPS)

PVC PIPE

North American Pipe Diamond Plastic Corporation
Silver Liner Plastics Inc. J-M
National American

PVC SEWER FITTINGS

Harco
Multi Fittings Plastic Trends

REFLECTIVE PAVEMENT MARKERS

3M PSA 297 Green
Ray-O-Lite AA ARC II Green
Hy-Viz Rough Duty Stimsonite Model 911AG Green

SIGNS

Universal Signs & Accessories

VALVE BOX ALIGNMENT DEVICE

Adaptor, Inc. – Valve Box Adaptor II Adaptor, Inc. – Valve Box Adaptor II – 6” PVC

VALVE BOXES (SCREW TYPE) - WITH LOCKING LID

Valve Box and locking lid must be same manufacturer
Tyler Sigma Thickwall – Type X
Star - Type HD

VALVE - GATE AND ANGLE - 3/4" - 3 "

| | |
|------------------|-----------|
| American Valve | AVK |
| Kennedy (McWane) | Milwaukee |
| Nibco | |

VALVES – GATE - RESILIENT SEAT AND RESILIENT SEAT TAPPING

| | |
|-----------------------|------------------|
| American Flow Control | AVK |
| Clow (McWane) | Kennedy (McWane) |
| M & H (McWane) | Mueller |

VALVES – PLUG

| | |
|---------------|------------------|
| Clow (McWane) | Dezurik |
| Homestead | Kennedy (McWane) |
| Milliken | Pratt |

VALVES - CHECK - (Spring Loaded) (Swing Check)

| | |
|--------------------------------|---------------------------|
| American Flow Control (2"-36") | AVK (3 - 12") |
| Clow (McWane) (2"-24") | Kennedy (McWane) (2"-24") |
| Mueller (2 ½"-24") | |

VOLTAGE TRANSFORMER (Double Coil only)

| | |
|------------------|----------|
| General Electric | Square D |
|------------------|----------|

WET WELL LINERS FOR REHABILITATION (Lift Stations/Manholes)

| | |
|-----------------------------------------------------------------|----------------------------------------|
| SewperCoat - ThoRoc | The Strong Company, Inc. - Strong Seal |
| L.F. Manufacturing Inc. – Fiberglass Reinforced Polyester Liner | |

WIRE PORT

Copperhead Industries – SnakePit Roadway Box with green top