

**Genoa - Oceola Wastewater Collection System Approved Materials List**

Product Type	Material	Applicable Size	Manufacturers / Source	Model # / Type	Additional Requirements
<b>Gravity Main Pipe</b>	SDR -26	8-18 inches	All	SDR-26 ASTM D3034	Bell and Socket Joint
	F679	18-60 inches	All	PVC Pipe ASTM F679	Bell and Socket Joint
<b>Sanitary Wye Fittings</b>	PVC to match approved mainline pipe material	6 inch			For use in constructed sanitary wye installation
	Ductile Iron, SS, and Butly Rubber	6 inch on 6-18 inch	Romac	Model CB Sewer Saddle	Core in wye installation
<b>Force Main Pipe</b>	Ductile Iron Pipe	2-20 inch	All	Per Manufacturer	Bell and Socket, Megalugs on fittings
	C-900 PVC	2-20 inch	All	Per Manufacturer	Bell and Socket, Megalugs on fittings
	HDPE	2-20 inch	Drisco Pipe, Performance Pipe, or A/E	Per Manufacturer	Manufacturer supplied transition required for HDPE to Ductile
<b>Forcemain Main Fittings</b>	Mechanical Joint - Restrained	Per Pipe Size	Per Pipe Manufacturer	Per Manufacturer	
	Push Joint - Restrained	Per Pipe Size	Per Pipe Manufacturer	Field Lock, TR Flex, Fast Grip	
	Gaskets	Per Pipe Size	Per Pipe Manufacturer	Per Manufacturer	
	HDPE - Ductile Iron Conversion	Per Pipe Size	Per Pipe Manufacturer	Per Manufacturer	
	Sleeves	Per Pipe Size	Per Pipe Manufacturer	Per Manufacturer	Permitted for repairs only
	Bolts	Per Pipe Size	Trumbull	Core-Blue	
<b>Sanitary Valves</b>	Plug Valve - Cast Iron	3-24 inch	DeZurick, Clow, Homestead, Pratt, or AE	Round port design	Mechanical Operator Required
	Check Valve	3-24 inch	DeZurick, Clow, Homestead, Pratt, or AE	Swing Check	Weighted arms required
<b>Manholes</b>	Concrete	48 inch minimum	Northern, Co-pipe, or AE	Precast, Booted, Flow Channel	All new sanitary installations, vaccum test required
	Concrete		Northern, Co-pipe, or AE	Doghouse	Permitted on forcemain installations only
<b>Manhole Lining</b>	Interior Corrosion Protection	All	Spectrashield / Obic		Required on all forcemain to gravity connections
	Exterior Butyl Wrap	All	WrapidSeal or A/E		Required on all joints and adjustment rings
<b>Service Lines</b>	PVC	6 inch	All	SDR-26	Sand backfill required
<b>Manhole Covers</b>	Cast Iron	26 inch opening	EJIW	1040 - Sanitary Sewer	"Sanitary Sewer", rubber gasket
<b>Manhole Grade Rings</b>	Concrete	1-3 inch			No more than 8-inch adjustment, grouted in place
<b>Cleanout Lid</b>	Cast Iron	4 -6 Inch	EJIW	EJIW-1574	Required on all clean out structures in pavement or green belt
<b>Combination Air Vac Valves</b>	Composite	2 inch	ARI	D-025	Valve Centered in Manhole
<b>Combination Air Vac Fittings</b>	#304 Stainless Steel Ball Valve	2 inch	All	Per Manufacturer	
	#304 Stainless Steel Pipe Nipple	2 inch	All	Per Manufacturer	
<b>Tracer Wire</b>	Tracer Wire		Copperhead	Soloshot, 10#CCS - 600# Breakload	Required on directional drilled sewer, single strand copper
	Tracer Wire Box		Copperhead	CD14*TP - Green Top	Model RB14*TP for asphalt installations
<b>Polyethlyne Pipe Wrap</b>	Polyethlyne	Per Pipe Schedule	Christy's or AE	8 mil thick	Required on all Ductile Iron Pipe