

Fireline Materials Submittals

Instructions: Submit this form with the manufacturer's cut sheets. List the item you are proposing under the "Submitted Materials" column. Keep the cut sheets in order and place the "#" at the top right of the first page of each material. Do not fill in any of the right four columns of this form.

Project:					
EO:					
Submitted By/Date:					
Reviewed By/Date:					
#	Description (Material shall be as listed below, or approved equal)	Submitted Material			
1.	All Stainless steel "long body" tapping sleeve: <i>JCM 432; Smith-Blair 663; Romac "SST" or "SST III"; Ford FAST.</i>				
2.	Stainless steel nuts, bolts, and washers (Type 316 per ASTM F593); Hex Nuts ASTM F594; Buried / Below Grade Service: <i>ITP; Tripac Hex Bolts.</i>				
3.	Gate valve: FL x FL, resilient seated, opens left, AWWA C509, 2" SQ. nut, Stainless steel hardware: <i>Mueller A-2362; Clow RW 2639; American AVK 45/FFN; M&H Style 4067-02.</i>				
4.	Flange gaskets: Full-face, 1/8" thick, Compressed, Non-Asbestos (CNA) Gasketing Aramid fibers with a SBR Binder: <i>Garlock BLUE-GARD Style 3200; Teadit Style NA 1001.</i>				
5a.	Rust preventive grease: <i>NO-OX-ID 'A-Special' (NO SUBSTITUTE).</i>				
5b.	Protective pipe wrap: <i>Versil-Pak #4 (NO SUBSTITUTE).</i>				
6.	Valve box and cover per WDS-115,116,119: <i>LBIW.</i>				
7.	SCH 40 PVC for valve riser: <i>Vinyltech; Pacific Plastics; IPS.</i>				



Long Beach Water

8.	Run: DIP – Class 52 per AWWA C151: <i>USP; McWane Ductile Iron Pipe – Tyton Joint.</i>					
9.	Thrust-restraining gaskets: <i>Field Lok 350; Sure Stop.</i>					
10a.	Polyethylene wrap, 8-mil min. per AWWA C105: <i>Northtown Polywrap.</i>					
10b.	Polyethylene tape, 10-mil min.: <i>Christy's; Northtown.</i>					
11a.	DIP fittings (P.O.): AWWA C153: <i>USP Trim Tyton; Tyler Union C153.</i>					
11b.	DIP fittings (Flanged): per AWWA C110: <i>Tyler Union C110.</i>					
11c.	Flange Adapter: refer to #11a for P.O. x Flange Adapter & #9 for thrust-restraining gaskets. <i>MJ fittings require prior approval.</i>					
12a.	Bedding: Sand Equivalent 30% min. per ASTM D 2419 / CA Test 217.					
12b.	Backfill: 1-sack slurry mix design: <i>Robertson's Mix Design RC094N13; National Mix Code # S10100.</i>					
12c.	Detectable warning tape: <i>Northtown Co.; Christy's.</i>					
13.	Concrete mix design: 560-C-3250 per SSPWC (3250 psi minimum) <i>Robertson's Mix Dgn. 80401; National Mix Code #S59530.</i>					
14a.	#4 Steel rebar: #4, Grade 60 per ASTM A 615: <i>Nucor Corp.</i>					
14b.	Epoxy coating for rebar: ASTM A775; <i>3M Scotchkote; Valspar Green Bar.</i>					
14c.	Rebar epoxy coating touch-up: <i>Seymour #16-547.</i>					
15.	Riser: DIP Class 53 Spool per AWWA C151; Class 125 Flange; Tar Coating; Cement Lining (AWWA C104). <i>Provide shop drawing.</i> <i>Custom Pipe & Coupling.</i>					



Long Beach Water

16.	<p>Flange Insulating Kit: Full Face, 1/8" Thick, Grade G10 (See WDS-006.1):</p> <p><i>ITP; Tripac – 3-Flow Inc. "Point Guard" or "Linebacker-61" G10 Sleeves: Select (2) T-316 Stainless Steel Backup Washers.</i></p>					
17.	<p>Cement-lined steel spool per AWWA C200, 36 ksi per ASTM A36; Flange per AWWA C207; with 2" threaded outlet:</p> <p><i>Southland Pipe Corp.; Custom Pipe & Coupling</i></p>					
18.	<p>Epoxy coating (AWWA C210 or C213):</p> <p><i>Two coats, dry film thickness (DFT) of 5.0 mils minimum each coat. Final DFT to be 10-16 mils.</i></p> <p><i>Tnemec Epoxoline Series 22; Sherwin-Williams (S-W) Macropoxy 646-100; PPG Amerlock 2VOC; DeVoe Bar-Rust 233H.</i></p>					
19.	<p>ANSI Safety Red polyurethane top-coat (including factory-coated fittings):</p> <p><i>Polyurethane shall be certified by manufacturer as compatible with the Epoxy used.</i></p> <p><i>Surface preparation per coating manufacturer's instructions. Finish coat is to be 3 to 5 mils DFT. Final DFT of coating on all portions of above-ground piping including DIP fittings shall be 13 to 19 mils minimum.</i></p> <p><i>Rust-Oleum C740 System DTM Alkyd Enamel 400 VOC; Tnemec UVX Series 750; Sherwin-Williams Hi Solids Polyurethane-100; PPG Amershield.</i></p>					
20.	<p>Locking ball valve: MPT x FPT with plug:</p> <p><i>Mueller 300 Ball Strt. Svc. Valve; B20242N.</i></p> <p>Or FPTxFPT with nipple & plug:</p> <p><i>A.Y. McDonald Mfg. Co. 76101W.</i></p>					
21.	<p>Double Check Detector Assembly:</p> <p><i>Ames 3000SS; Febco LF876V. NO SUBSTITUTES.</i></p>					
22.	<p>1-1/2" Brass Service Saddle with AWWA taper threads per WDS-111:</p> <p><i>AY McDonald 3825 AWWA; Mueller BR2B series w/ cc tap thread; Ford 202B.</i></p>					
23a.	<p>1-1/2" x 2" Bronze Corporation valve, cc (AWWA taper thread) X PJ:</p>					



Long Beach Water

	<i>AY McDonald 74701B-22; Mueller P-25008N; Ford FB1000-67-NL</i>					
23b.	1-1/2" Bronze Corporation Stop Plug, taper: AY McDonald; Mueller; Ford CSP-6-A-NL.					
24.	Pipe Stands					
25.	Brass plugs for backflow device					

Abbreviations:

- GN General Notes
- P.O. Push-on
- SSPWC Standard Specifications for Public Works Construction, latest edition
- WDS Water Department Standard Drawing