



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:			No Exception Taken	Correct as Noted, Resubmittal Not Required	Correct and Resubmit	Rejected – See Remarks
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>					
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>					



Long Beach Water

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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>					
14	Riser: DIP Class 53 Spool per AWWA C151; Class 125 Flange; Tar Coating; Cement Lining (AWWA C104). <i>Provide shop drawing.: Custom Pipe & Coupling.</i>					
15	Epoxy coating (AWWA C210 or C213): <i>Two coats, dry film thickness (DFT) of 5.0 mils minimum each coat. Final DFT to be 10-16 mils. Tnemec Epoxoline Series 22; Sherwin-Williams (S-W) Macropoxy 646-100; PPG Amerlock 2VOC; DeVoe Bar-Rust 233H.</i>					

Note: This list is subject to change without prior notice.

See attachments for comments on individual submittals



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16	ANSI Safety Red polyurethane top-coat (including factory-coated fittings): <i>Polyurethane shall be certified by manufacturer as compatible with the Epoxy used.</i> <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> <i>Rust-Oleum C740 System DTM Alkyd Enamel 400 VOC; Tnemec UVX Series 750; Sherwin-Williams Hi Solids Polyurethane-100; PPG Amershield.</i>					
17	Double Check Detector Assembly: <i>Ames 3000SS; Febco LF876V. NO SUBSTITUTES.</i>					
18	2" Brass Service Saddle with AWWA taper threads per WDS-111: <i>AY McDonald 3825 AWWA; Mueller BR2B series w/ cc tap thread; Ford 202B.</i>					
19a	2" Bronze Corporation valve, cc (AWWA taper thread) X PJ: <i>AY McDonald 74701B-22; Mueller P-25008N; Ford FB1000-67-NL</i>					
19b	2" Bronze Corporation Stop Plug, taper: <i>AY McDonald; Mueller; Ford CSP-6-A-NL.</i>					
20	Pipe Stands (per WDS-008): <i>Tripac; Pipeline Products.</i>					
21	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

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