



Municipal Water District

APPROVED MATERIALS LIST (AML) FOR CONSTRUCTION OF DISTRICT POTABLE WATER, RECYCLED WATER AND SEWER FACILITIES

*****DIRECTIONS FOR COMPLETING THE AML*****

1. Complete **ALL** 11 Pages of this document. Note "N/A" if an item or sheet does not pertain to the project.
2. Provide separate shop drawings for **ALL** items where noted in the AML and attach to this document.
3. Submit the completed AML on the District's Sharefile site. For Sharefile Link, please contact Colette Barrow, the Engineering Department Assistant, at 760-632-4235 or by email cbarrow@olivenhain.com.

PROJECT NAME: _____

Supplier Name: _____

Contractor: _____

Contractor Contact: _____

Phone:

Contractor Contact Email: _____

FOR DISTRICT USE ONLY BELOW THIS LINE

REVIEWED ONLY FOR GENERAL CONFORMITY TO PLANS AND STANDARD SPECIFICATIONS

- APPROVED
- APPROVED AS NOTED
- MAKE CORRECTIONS NOTES & RESUBMIT
- REJECTED

Initials

Date

PROJECT #:

EAM WO#:

As-Built Stamp:

OLIVENHAIN MUNICIPAL WATER DISTRICT
**APPROVED MATERIALS LIST FOR CONSTRUCTION OF POTABLE WATER,
 RECYCLED WATER AND SEWER FACILITIES**

**All Material Being Used Shall Conform w/OMWD's Standard Specifications*

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**PLEASE INDICATE WHICH PRODUCT YOU ARE USING BY CHECKING THE BOX
 NEXT TO THE MANUFACTURER OR SIZE.**

Item	Description	Std Spec Section	Manufacturer
AIR/VACUUM VALVE ENCLOSURE <i>*must be accompanied by a shop drawing</i>	2 Piece Assembly with Bolt Down Base and Removable Cover, Polyethylene Material, Sandstone Color with Identification Band, OSHA Blue for WATER, OSHA Purple for Recycled Water 1424 for 1" 1830 for 2" 2436 for 3"	15092	VCAS-1424-SM w/tape & screen VCAS-1830-SM w/tape & screen VCAS-2436-SM w/tape & screen Potable RCW
ANGLE METER STOP, QUICK JOINT X METER NUT	1" Bronze Angle Meter Stop (Ball Valve) with 90 Degree Lockwing, Inlet Quick Joint for Copper Water Tube x Meter Swivel Nut Outlet	15081	Ford BA43-444W-Q-NL Jones - J1963WSG McDonald 74602BQ Mueller - B24258
ANGLE METER STOP, QUICK JOINT X METER FLANGE	1-1/2", 2" Bronze Angle Meter Stop (Ball Valve) with 90 Degree Lockwing, Inlet Quick Joint for Copper Water Tube x Meter Flange Outlet	15081	Ford BFA43-777W-Q-NL Jones - J1975WSG McDonald 74602BQ Mueller - B24276
ANGLE VALVE	Bronze Angle Valve, 2" and Smaller 300 PSI Rated, Female Threaded Ends	15080	Nibco T-375-B Jones J-380
ANGLE VALVE HYDRANT HEAD	Bronze, Angle Design, 300 PSI Rated, 4" Inlet Female IPT, 2-1/2" Outlet National Standard Hose Thread, Cap and Chain	15080	Jones J-344HP
ANODE, MAGNESIUM <i>*must be accompanied by a shop drawing</i>	High or Standard Potential Anode with a Galvanized Steel Core Encased in a Square Magnesium Alloy Ingot Pre-Packaged in a Permeable Cotton Cloth Bag. Provide Ingot Weight as Specified on the Approved Plans	13110	Corrpro Corrosion Control Products Farwest Calpico
ANODE, ZINC	Each Zinc Anode shall be Pre-Packaged in a Permeable Cloth Bag and shall Weigh 30 Pounds	13110	Corrpro Corrosion Control Products Farwest Calpico

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BACKFLOW PREVENTER <i>*must be accompanied by a shop drawing</i>	Reduced Pressure Principal Type Assemblies as Approved by the State of California, Department of Health Services	15112	List of Approved Backflow Prevention Assemblies
BOLT KIT, 316 SS <i>*for specific uses only</i>	Hex-Head Machine, ASTM A193, Grade B 8M Bolts and ASTM A194, Grade 8M Nuts, Grade 8M Flat Washers Bolt Kit includes: Bolts, Nuts, and Flat Washers	15050	Tripac Fasteners Pacific Coast Bolt ITP, Inc.
BOLT KIT	Hex-Head Machine, Cadmium/Zinc Plated, ASTM A307, Grade B Bolts and A307 2H Heavy Hex Nuts Bolt Kit includes: Bolts, Nuts, and Flat Washers	15050	Tripac Fasteners Pacific Coast Bolt ITP, Inc.
BURY ELBOW, DUCTILE IRON	16" DI Long Radius Bury El, MJ or PO Holiday Free Epoxy Lined Bells	15109	Clow Star Sigma South Bay Foundry
CATHODIC TEST STATION BOX	54 Lb Concrete Body with 12 Lb Ductile Iron Lid and Lid Ring. "CP TEST" shall be Cast into the Lid in 1" Letters. For Cathodic Protection Test Stations, Anode Ground Beds and Insulated Flange Test Stations	13110	Brooks 1 -RT Farwest Type 1-RT J&R 3RT
CATHODIC WELDING	For Welding Cathodic Bond Wires to Steel Pipelines	13110	Cadweld
COATING, INTERNAL PIPE	For Coating the Internal Pipe Lining for an Insulated Flange Kit	13110	Aquatapoxy CCI Hydro-Pox
CONNECTOR, TRACER WIRE SPLICING KIT	All Brass Split Bolt to be Accompanied and Encased with Rubberized Tape, and then Electrical Tape	15292 15293	

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CORPORATION STOP, MIPT X QUICK JOINT	Bronze Ball Valve, Male Iron Pipe Thread x Quick Joint (T-Head Only), 1", 1-1/2" and 2" Full Opening 1" 1-1/2" 2"	15080	Ford FB1100-x-Q-NL MCD 74704BQ Mueller - B25028 Jones - J1935 SG
COUPLING, C900 PVC, HIGH DEFLECTION	4" through 12" Solid PVC for Obtaining Deflection Only. Provides 4 Degree Maximum Deflection 4" 6" 8" 10" 12"	15292	CertainTeed
COUPLING, C900 PVC, CLOSURE / REPAIR	4" through 12" Solid PVC for Closure or Repair 4" 6" 8" 10" 12"	15292	CertainTeed
COUPLING, C905 PVC, HIGH DEFLECTION	4" through 12" Solid PVC for Obtaining Deflection Only. Provides 4 Degree Maximum Deflection 14" 16" 18" 20" 24"	15293	Specified
COUPLING, MECHANICAL CLAMP-TYPE <i>*must be accompanied by a shop drawing</i>	Use for Above Ground DI or Steel Pipe 4" or Larger	15061 15240 15251	Grinnell #7001 Tyler 500 Victaulic #44, #77
COUPLING, STRAIGHT FLEXIBLE <i>*must be accompanied by a shop drawing</i>	4" and Larger, Steel or Ductile Iron Construction, Slip x Slip, Epoxy Coated with 304 or 316 Stainless Steel Bolts and Nuts. For Use on AC, PVC, DI, or Steel Pipe Must be Restrained When Used with AC Pipe Indicate Size _____	15122	APAC 301 Ford FC1 Powerseal 3501 Romac 501 Smith-Blair 411

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COUPLING, TRANSITION FLEXIBLE <i>*must be accompanied by a shop drawing</i>	4" and Larger, Steel or Ductile Iron Construction, Holiday Free Epoxy Coated with 304 or 316 SS Bolts and Nuts. For use on AC, PVC, DI, or Steel Pipe. Must be Restrained When Used with AC Pipe Indicate Size _____	15122	APAC 311, 313 Ford FC2A Powerseal 3501, 3506 Romac XR501 Smith-Blair 413
DISMANTLING JOINT <i>*must be accompanied by a shop drawing</i>	Telescoping, Adjustable, Double Flanged Fitting, with High Tensile Strength Zinc Plated Tie Bars. NSF-61 Epoxy or Nylon Interior and Exterior Coating		Romac Flexijoint Star - StarFlex
FIRE HYDRANT, BREAK-OFF RISERS	Cast Iron 12" through 18" Long with Machined V-Groove 4" from One End, Groove to be 1/8" to 3/16" Deep and 1/4" Wide	15109 15090	South Bay Foundry Clow Sigma Star
FIRE HYDRANT Up To 200 PSI	6" High Pressure 200 PSI Wet Barrel, Bronze Fire Hydrant, with Six-Hole Bolt Pattern	15109	Clow 2060, 2065 Jones J3765, J3775 American AVK 2464X, 2468X
FITTING, DUCTILE IRON, 4"	Flanged, Push On, Tees, Bends, Crosses, Reducers, Adapters, etc. For 4", Per AWWA C110, C111, C153 and OMWD Standards. Holiday Free Epoxy Lined Bells 11 1/4 22 1/2 45 90 Tee End Cap	15240 15292 15293	Bachman Sigma Star Tyler US Pipe
FITTING, DUCTILE IRON, 6"	Flanged, Push On, Tees, Bends, Crosses, Reducers, Adapters, etc. For 6", Per AWWA C110, C111, C153 and OMWD Standards. Holiday Free Epoxy Lined Bells 11 1/4 22 1/2 45 90 Tee End Cap	15240 15292 15293	Bachman Sigma Star Tyler US Pipe

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FITTING, DUCTILE IRON, 8"	Flanged, Push On, Tees, Bends, Crosses, Reducers, Adapters, etc. For 8", Per AWWA C110, C111, C153 and OMWD Standards. Holiday Free Epoxy Lined Bells 11 1/4 22 1/2 45 90 Tee End Cap	15240 15292 15293	Bachman Sigma Star Tyler US Pipe
FITTING, DUCTILE IRON, 10"	Flanged, Push On, Tees, Bends, Crosses, Reducers, Adapters, etc. For 10", Per AWWA C110, C111, C153 and OMWD Standards. Holiday Free Epoxy Lined Bells 11-1/4 22-1/2 45 90 Tee End Cap	15240 15292 15293	Bachman Sigma Star Tyler US Pipe
FITTING, DUCTILE IRON, 12"	Flanged, Push On, Tees, Bends, Crosses, Reducers, Adapters, etc. For 12", Per AWWA C110, C111, C153 and OMWD Standards. Holiday Free Epoxy Lined Bells 11-1/4 22-1/2 45 90 Tee End Cap	15240 15292 15293	Bachman Sigma Star Tyler US Pipe
FLANGE COUPLING ADAPTER	6" and Larger, Mechanical x Flange. Steel or Ductile Iron without Anchor Pins, Holiday Free Epoxy Coated, 304 SS Bolts and Nuts.	15122	Dresser 127, 128 Ford FFCA Style Baker 601, 602 Powerseal 3521, 3526 Romac FCA501, FC400 Smith-Blair 912, 913
GASKET, PAPER	1/8" Thick Full Face or Ring, Aramid Fiber Bound with Nitrile. No Asbestos Content Ring Full Face	15050	Garlock Bluegard Klinger C4400 Tripac 5000 Calpico

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Item	Description	Std Spec Section	Manufacturer
GROUT	Non-Shrink Cement Based Construction Grout for Crack Repair, Flooring Mortar, Dowel Grouting, Crack Sealing and General Binding	03000	UPCON High Flow Master Flow 713
INSULATING BLANKET <i>*must be accompanied by a shop drawing</i>	Insulating Blanket for Corrosion Interference Mitigation	13110	
INSULATING COUPLINGS <i>*must be accompanied by a shop drawing</i>	Insulating Couplings for Corrosion Protection of Pipelines/Appurtenances 1" 1 1/2" 2" 3"	15080	Wilkins Model DUXL Watts Model LF3003
INSULATING FLANGE KIT	Insulating Flange Kits for Corrosion Protection of Pipelines/Appurtenances	13110	Advance Product Systems Calpico Corrpro Farwest
JOINT RESTRAINT ASSEMBLY	360 Degree Wedge Type Restraint System for Ductile Iron and C900 PVC, Sizes 6" Through 24"	15240 15292	Ford Uniflange 1300 Series Ford Uniflange 1500 Series EBAA Iron Sigma PV-LOK Romac DI - Roma Grip Romac 600 Series
MARKING TAPE	6" wide, Warning/Identification (Metallic) Marking Tape for Buried Facilities POT RCW S FM ELEC FIBER	15061 15240 15292 15293	Linetec Terra Tape Calpico Christy

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METER BOX <i>*must be accompanied by a shop drawing</i>	17"x28" Precast Meter Box and 2 Piece Polymer Concrete Cover with Reading Lid for 1" Water Service, Use Purple Covers for Recycled Water, For Water Service Installation, Polymer Concrete Cover Shall Have Hole for Touch Read Device. MAR and Blowoff Installation Does Not Require Hole Cut Out WS MAR/BO	15081 15090 15091	J&R Concrete Products, Inc. Armor Cast Old Castle
METER BOX <i>*must be accompanied by a shop drawing</i>	24"x36" Precast Meter Box and 2 Piece Polymer Concrete Cover with Reading Lid for 1 1/4"-2" Water Service, Use Purple Covers for Recycled Water .For Water Service Installation, Polymer Concrete Cover Shall Have Hole for Touch Read Device WS MAR/BO	15081	J&R Concrete Products, Inc. Armor Cast Old Castle
OUTLET, WELD-ON <i>*must be accompanied by a shop drawing</i>	Weld-On Outlet with Reinforcing Collar or Wrapper for Connection to CML&C Steel Pipe	15080	Pipeline Products
PIPE, COPPER WATER TUBE	Type K Soft Seamless Rolled Tubing, Type K Soft Seamless Straight Lengths, Type K Hard Seamless Straight Lengths (Soft - Buried Application ONLY) (Hard - Above Ground ONLY) Soft Hard 1" 1-1/2" 2" 3"	15220	Cerro Mueller Cambridge-Lee

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Item	Description	Std Spec Section	Manufacturer
PIPE, DUCTILE IRON <i>*must be accompanied by a shop drawing and lay sheets</i>	For Water Lines 4" and Larger Manufactured per AWWA C151	15240	American Pipe Griffin Pacific States U.S. Pipe
PIPE, PVC C900	For Water Lines 4" through 12" Manufactured per AWWA C900 in Class 150 and 200 DR14 DR18 4" 6" 8" 10" 12"	15292	Diamond Plastics VinylTech North American Pipe JM Eagle
PIPE, PVC C905	For Water Lines 14" through 24" Manufactured per AWWA C905 14" 16" 18" 20" 24"	15293	Diamond Plastics VinylTech North American Pipe JM Eagle
PLASTIC POLYETHYLENE ENCASEMENT	8-MIL Thick Polyethylene Encasement Tube for Ductile Iron Pipe, CML&C.	09954	
PLASTIC WRAPPER	Clear Plastic Wrapper over Wax Tape Coating and Primer in Underground Applications	09952	Denso Tape PVC Self-Adhesive Trenton Poly-Ply
POLYETHYLENE WRAP	8-MIL Thick Polyethylene Encasement Sheet for Buried Fittings and Valves. Purple Color for Recycled Water	09954	
SERVICE SADDLE FOR ACP, DIP, AND PVC PRESSURE PIPE	Cast Bronze Body with Stainless Steel Double Band Straps or Single Wide Strap with 4 Bolts, IP Outlet Sizes ACP DIP PVC <input type="checkbox"/> <input type="checkbox"/> 1" 1-1/2" 2"	15080	Ford - 202BS Romac - 202BS McDonald - 3846 Jones - J-969

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TAPE, PLASTIC ADHESIVE	10 to 50 MIL x 2" Wide General Utility Tape for Corrosion Protection of Above and Below Ground Pipes and Fittings	09954 09952	Calpico Vinyl Tape Christy Northtown Polyken - 900 Scotchwrap - 50
TAPPING SLEEVE FOR ACP, DI, AND PVC PIPE	Fabricated Stainless Steel Tapping Sleeve with Stainless Steel Bolts and Nuts	15080	Ford - FTSS PowerSeal - 3460AS Romac - SSTIII Smith Blair - 665
THREDOLET	Forged Steel Fitting ASTM A105. 3000#, NPT Threads	15061	Bonney Forge Allied Piping Products Pipeline Products
TRACER WIRE	AWG No. 8 Stranded Copper Wire with High Molecular Weight Polyethylene (HMW/PE) Insulation Specifically Designed for Direct Burial in Corrosive Soil or Water	15292 15293	Calpico - HMW/PE #8 Farwest - HMW/PE #8 KALAS - w-08hmwpe-str
VALVE BOX AND COVERS, MANUAL AIR RELEASE AND BLOW-OFF ASSEMBLIES <i>*must be accompanied by a shop drawing</i>	Cast Iron Frame and Lid and 12" Pipe Sleeve. Cast on the Lid the Words "OMWD", and "WATER" or "RW" (For Street Use Only)	15092	South Bay Foundry - SBF 1243
VALVE BOX AND COVERS, GATE VALVE	Cast Iron Frame and Cover and Extension Pipe. Cast on the Cover the Words "OMWD", and "WATER" or "RW"	15101	South Bay Foundry - SBF 1208-N

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VALVE, COMBINATION AIR RELEASE & AIR/VACUUM, 3" AND SMALLER	Single Chamber, HDPE Control Floats, Stainless Steel Body, 1/4" NPT Test/Bleed Cock	15108	Vent-O-Mat DN25 RBX 2521 Vent-O-Mat DN50 RBX 4021 Vent-O-Mat DN80 RBX 1631 Vent-O-Mat DN100 RBX 2531
VALVE, GATE, RESILIENT SEATED <i>*must be accompanied by a shop drawing</i>	3" through 24" Resilient Seated, Non-Rising Stem, Counter-Clockwise Opening, Type 304 or 316 SS Body Bolts, 250 PSI Working Pressure, Holiday Free Interior Lining	15101	AVK or Approved Equal
WAX TAPE COATING	4 Part, Cold Applied Wax Tape Coating System for Buried Piping Components System Includes: Primer, Wax Tape, Clear Wrap, 10 MIL Tape, and 8 MIL Thick Polyethelene Sheet	09952	Denso Densyl Tape Trenton No.1 Wax Tape

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