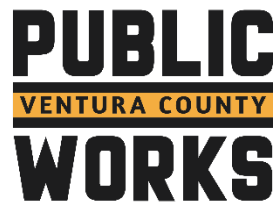


COUNTY *of* VENTURA

WATER AND SANITATION DEPARTMENT

**VENTURA COUNTY WATERWORKS DISTRICT NO. 1, 16, 17, 19, AND 38
COUNTY SERVICE AREA NO. 29, 30, 34, AND CAMARILLO UTILITY ENTERPRISE**

APPROVED MATERIALS LIST FOR WATER AND SEWER



REVISION DATE: 11/24/2021

**VENTURA COUNTY WATERWORKS DISTRICT NO. 1, 16, 17, 19 AND 38
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*Designates Item for which substitution of “Equal” is not permitted.

CATEGORY: AIR VACS

<u>NO.</u>	<u>SIZE</u>	<u>MANUFACTURER & MODEL NO.</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
AIR VACS				
1	1" & 2"	*CLA-VAL: 33A		
2	1" & 2"	*Crispin: UL10 and UL20		
3	1" & 2"	*Valmatic: 201C.2 and 202C.2		

CATEGORY: ENCLOSURES

<u>NO.</u>	<u>SIZE</u>	<u>MANUFACTURER & MODEL NO.</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
METER BOXES				
1	1-1/2" & 2" Meter Box	*DFW Plastics DFW1640C4-12-BODY	33-3/4"x12"	
2	1-1/2" & 2" Meter Box	*DFW Plastics DFW1640C-4T-LID	30-1/2"x17-7/16"	
3	3/4" & 1" Meter Box	*DFW Plastics DFW486WBC4-12-4T (Body & Lid)	22"x15-1/4" & 18-1/4"x11-3/8"	
4	1-1/2" & 2"RW Meter Box Lid	*DFW Plastics DFW1640C-12-5T (Body & Lid)	33-3/4"x12" & 30-1/2"x17-7/16"	For Reclaimed Water only
5	3/4" & 1" RW Meter Box Lid	*DFW Plastics DFW486WBC-12-5T (Body & Lid)	22"x15-1/4" & 18-3/16"x11-3/16"	For Reclaimed Water only

OTHER ENCLOSURES				
6	24" Dia. x 36"	*Armorcast - Air Vac Enclosure P6002001	Air Vac Enclosure	With (18) 1/2" Vent Holes
7	12" Dia. x 36"	*Armorcast – Water Sample Enclosure P6002010 (Hinged Model)	Water Sample Station Enclosure	

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CATEGORY: PIPE FITTINGS

<u>NO.</u>	<u>SIZE</u>	<u>MANUFACTURER & MODEL NO.</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
FULL BODY FLANGED AND MJ FITTINGS				
1	3"-24"	*Tyler Union Specify CML and Asphaltic coating per C104	DI Flanged C110 Full Body Fittings	
2	3"-24"	*SIP Industries Specify CML and Asphaltic coating per C104.	DI Flanged C110 Full Body Fittings	
3	3"-12"	*Star Pipe Products Specify CML and Asphaltic coating per C104.	DI Flanged C110 Full Body Fittings	
4	3"-16"	*SIGMA Products Specify CML and Asphaltic coating per C104.	DI Flanged C110 Full Body Fittings	
5	3"-24"	*Tyler Union CML and Asphaltic coating per C104	DI MJ C110 Full Body Fittings	
6	3"-24"	*SIP Industries Specify CML and Asphaltic coating per C104.	DI MJ C110 Full Body Fittings	
7	3"-12"	*Star Pipe Products Specify CML and Asphaltic coating per C104.	DI MJ C110 Full Body Fittings	
8	3"-16"	*SIGMA Products Specify CML and Asphaltic coating per C104.	DI MJ C110 Full Body Fittings	

COUPLINGS				
9	4"-12"	*Romac: XR501 Specify Epoxy Coated Option	Wide Range Cast Coupling	
10	1-1/2"-12"	*Smith-Blair: Model 461	Wide Range Cast Coupling	

<u>NO.</u>	<u>SIZE</u>	<u>MANUFACTURER & MODEL NO.</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
RESTRAINTS				
11	3"-24"	*EBAA Iron Inc. Megalug Series 1100	MJ Wedge Action Restraint for DIP	
12	3"-24"	*SIP Industries – EZ Grip EZD	MJ Wedge Action Restraint for DIP	
13	3"-36"	*Star Pipe Products - DI Stargrip Series 3000	MJ Wedge Action Restraint for DIP	
14	3"-36"	*SIGMA - One-Lok SLDE	MJ Wedge Action Restraint for DIP	
15	4"-14"	*EBAA Iron Inc. Series 2000PV	MJ Wedge Action Restraint for PVC Pipe	Not allowed above 14", restraint has pressure de-rating.

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<u>NO.</u>	<u>SIZE</u>	<u>MANUFACTURER & MODEL NO.</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
RESTRAINTS				
16	4"-12"	*SIP Industries – EZ Grip EZPVCU	MJ Wedge Action Restraint for PVC Pipe	
17	4"-12"	*Star Pipe Products - PVC Stargrip Series 4000	MJ Wedge Action Restraint for PVC Pipe	
18	4"-12"	*SIGMA - One-Lok SLCE	MJ Wedge Action Restraint for PVC Pipe	

CATEGORY: HYDRANTS

<u>NO.</u>	<u>SIZE</u>	<u>MANUFACTURER & MODEL NO.</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
FIRE HYDRANTS				
1	6"x2-1/2"x4" Combination Wet Barrel	*Clow 800 Series: 850, 860, or 865 w/ Gray Iron Cap Option Specified	DI Body	No. and size of outlets per VCFD requirements.
2	6"x2-1/2"x4" Combination Wet Barrel	*Clow 2000 Series: 2050, 2060, or 2065 w/ Brass Iron Cap Option Specified	Brass Body	No. and size of outlets per VCFD requirements.
3	6"x2-1/2"x4" Combination Wet Barrel	*Jones 4000 Series: J4040, J4040HP, J4060, J4060HP, J4065, or J4065HP	DI Body	No. and size of outlets per VCFD requirements.
4	4" x 2-1/2" Wharf Hydrant	*Jones J344 HP Fire Angle Plug Hydrant Valve w/ Bronze Cap Option Specified	Bronze Body	

FIRE HYDRANT BURY EL & EXTENSION SPOOL				
5	6"	Clow Specify CML and Asphaltic coating per C104.	CL350 DI w/ MJ Inlet	
6	6"	South Bay Foundry Specify CML and Asphaltic coating per C104.	CL350 DI w/ MJ Inlet	
7	6"	SIP Industries Specify CML and Asphaltic coating per C104.	CL350 DI w/ MJ Inlet	
8	6"	SIGMA Specify CML and Asphaltic coating per C104.	CL350 DI w/ MJ Inlet	

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CATEGORY: COATINGS

<u>NO.</u>	<u>SIZE</u>	<u>MANUFACTURER & MODEL NO.</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
COATINGS				
1		*Rust-Oleum DTM Alkyd Enamel V7400	Forest Green 245388	City requirement Above ground customer equipment
2		*PPG Amershield	PC763 Desert Tan, PC875 Safety Yellow, PC8930 Safety Purple (Recycled Water)	Blow-offs, Hydrants, other County above ground equipment
3		*IC/Devoe Deuthane 359	Desert Tan, Safety Yellow, Recycled Water Purple	Match PPG Colors Blow-offs, Hydrants, other County above ground equipment
4		*Tnemec Series 1075	Desert Tan, Safety Yellow, Recycled Water Purple	Match PPG Colors Blow-offs, Hydrants, other County above ground equipment
5		*Sherwin-Williams Hi-Solids Polyurethane 865-300	Desert Tan, Safety Yellow, Recycled Water Purple	Match PPG Colors Blow-offs, Hydrants, other County above ground equipment

CATEGORY: PIPE MATERIALS

<u>NO.</u>	<u>SIZE</u>	<u>MANUFACTURER & MODEL NO.</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
PIPE MATERIALS - WATER				
1		Vinyltech AWWA C900	PVC C900 Pipe	DR-14 unless approved by District
2		Diamond AWWA C900	PVC C900 Pipe	DR-14 unless approved by District
3		JM Eagle AWWA C900	PVC C900 Pipe	DR-14 unless approved by District
4		US Pipe Tyton	DI Tyton Joint Pipe per AWWA C151, C104, C111	CL350 unless approved by District
5		McWane DI Tyton Pipe	DI Tyton Joint Pipe per AWWA C151, C104, C111	CL350 unless approved by District
6		Custom Pipe & Coupling Inc	Custom DI Flanged Spools and Fittings	Meets ANSI/AWWA C115/A21.15, AWWA C606-04, C110

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CATEGORY: SERVICES

<u>NO.</u>	<u>SIZE</u>	<u>MANUFACTURER & MODEL NO.</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
SADDLES				
1	1" & 2" IPT outlet tap	*Jones: J-979	ACP & DIP	Brass body w/ brass double straps
2	1" & 2" IPT outlet tap	*Ford: 202B	ACP & DIP	Brass body w/ brass double straps
3	1" & 2" IPT outlet tap	*Jones: J-969	PVC C-900	Brass body w/ SS double straps
4	1" & 2" IPT outlet tap	*Ford: 202BS	PVC C900	Brass body w/ SS double straps

BALLCORP STOPS AND COUPLINGS				
5	1" & 2"	*Ford: FB1100-x-NL	MIP x CTS Ballcorp	
6	1" & 2"	*Jones: E1935	MIP x CTS Ballcorp	
7	1" & 2"	*Ford: FB1700-x-NL	MIP x FIP Ballcorp	For ALT "A" Air-Vac installs
8	1" & 2"	*Jones: E1931	MIP x FIP Ballcorp	For ALT "A" Air-Vac installs
9	1" & 2"	*Ford: C84-44-NL or C84-77-NL	MIP x CTS Straight Coupling	
10	1" & 2"	*Jones: E2605	MIP x CTS Straight Coupling	
11	2"	*Ford: INSERT-55	SS Pipe Stiffener	
12	2"	*Jones: J2805	SS Pipe Stiffener	

<u>NO.</u>	<u>SIZE</u>	<u>MANUFACTURER & MODEL NO.</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
BALL VALVE CURB STOPS AND 2" OPERATING NUT ADAPTERS				
13	1" & 2"	*Jones: E-1900W	FIP ball valve with Lockwing	For 3" or larger Meter's Bypass
14	1" & 2"	*Ford: B11-xxx-NL Specify Lockwing Option	FIP ball valve with Lockwing	For 3" or larger Meter's Bypass
15	1" & 2"	*Jones: E-1905	FIP ball valve with handle	For Air-Vac above ground piping
16	1"	*Ford: B11-444W with HB34S-NL	FIP ball valve with handle	For Air-Vac above ground piping
17	2"	*Ford: B11-777W with HB67S-NL	FIP ball valve with handle	For Air-Vac above ground piping
18	1" & 2"	*Ford: B84-xxx-NL For valve stack installation include Ford: QT67 2" Operating Nut	MIP x CTS Ball Valve Curb Stop (and 2" Op Nut)	For meter bypass, and valve stacks.
19		*Ford: QT67	2" Square Wrench Nut Adapter	

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NO.	SIZE	MANUFACTURER & MODEL NO.	DESCRIPTION	NOTES
ANGLE METER STOP				
20	1", (3/4" x 1")	*Jones E1963W	CTS x Meter Nut	
21	1" x 3/4"	*Ford BA43-342W-NL	CTS x Meter Nut	
22	1" x 1"	*Ford: BA43-444W-NL	CTS x Meter Nut	
23	2"	*Ford: BFA13-777W-NL	FIP x FL	
24	2"	*Jones: E1974W	FIP x FL	

SERVICE BALL VALVES				
25	3/4" & 1"	*Jones: E-1908W	FIP x meter nut ball valve with handle	
26	3/4" & 1"	*Ford: B13-xxxW with HB34S-NL	FIP x meter nut ball valve with handle	
27	1-1/2" & 2"	*Jones: E-1913	FIP x FL ball valve with handle	
28	1-1/2" & 2"	*Ford: BF13-xxxW with HB67S-NL	FIP x FL ball valve with handle	

SERVICE LINE				
29		Cambridge-Lee Industries	Type K Seamless Copper Water Tube	Domestic MFG and meets NSF.
30		Lee Brass (Lead Free)	Brass Threaded Pipe	Domestic MFG and meets NSF.
31		Ferguson	Type K Seamless Copper Water Tube	Domestic MFG and meets NSF.
32	2"	*Rehau Municipex	Municipex water service line	Only allowed for 2" Service.

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CATEGORY: VALVES

<u>NO.</u>	<u>SIZE</u>	<u>MANUFACTURER & MODEL NO.</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
VALVES				
1	Resilient Wedge Gate Valve	*American AVK Series 45 C509 ASME B16.42 CL150 FL: FLxFL, FLxMJ, MJxMJ, or OS&Y	DI Body w/ SS Bolts	
2	Resilient Wedge Gate Valve	*American AVK Series 65 C515 ASME B16.42 CL150 FL: FLxFL, FLxMJ, or MJxMJ	DI Body w/ SS Bolts	
3	Resilient Wedge Gate Valve	*Clow Model 2639/2640 C509 ASME B16.1 CL125 FL: FLxFL, FLxMJ, MJxMJ, or OS&Y	DI or CI Body w/ SS Bolts	
4	Resilient Wedge Gate Valve	*Clow Model 2638 C515 ASME B16.1 CL125 FL: FLxFL, FLxMJ, MJxMJ, or OS&Y	DI Body w/ SS Bolts	
5	4"-12" Valves	*Tyler Two-Piece Full Slip 6855 Series	Cast Iron Valve Box and Drop Lid	Domestic MFG and Heavy Duty Only. Use 25lb Drop Lid model for non-residential and >35mph locations.

PRESSURE REGULATING VALVES				
6	3/4", 1", & 2"	*Zurn Wilkins: #600HR	Bronze body and bell housing with SS replaceable seat. Low Lead	

CATEGORY: AGGREGATES & CONCRETE

<u>NO.</u>	<u>SIZE</u>	<u>MANUFACTURER & MODEL NO.</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
AGGREGATES & CONCRETE				
1		Cemex Mix No. 1418558	560-C-3250 Concrete	
2		National Mix No. S59590	560-C-3250 Concrete	
3		Associated Ready Mix No. 85901	560-C-3250 Concrete	
4		Spragues Ready Mix No. S5603250	560-C-3250 Concrete	
5		Spragues Ready Mix No. S100E100	100-E-100 Slurry	
6		Associated Ready Mix No. 81100	100-E-100 Slurry	
7		State Ready Mix No. 14100E	100-E-100 Slurry	
8		Grimes Canyon Rock Facility – No. 4 Concrete Rock	3/8" Rock aggregate	
9		Grimes Canyon Rock Facility – Washed Concrete Sand	Washed Concrete Sand	
10		Santa Paula Materials, Inc – 3/4" Crushed Rock	3/8" Rock Aggregate	

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CATEGORY: MISCELLANEOUS

<u>NO.</u>	<u>SIZE</u>	<u>MANUFACTURER & MODEL NO.</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
MISC				
1	For Water Service	Tripac: A307A/B Bolts Specify either Zinc Plated, Hot Dipped Galvanized, Fluoropolymer (Xylan) or Teflon Coated.	Hex Bolt A307 A or Heavy Hex Bolt A307B	
2	For Sewer Service	Tripac: A193B T-304B SS Bolts	Heavy Hex ASTM A193B T-304 Bolt	
3		Pacific Coast Bolt Non-Asbestos with NBR Binding Gasket	ASME B16.21 Non-Asbestos NBR/SBR 1/16" Gasket	
4		Lee Brass (Lead Free)	Domestic MFG Cast Threaded Fittings	Domestic MFG and meets NSF.
5		KrisTech PE Tracer Wire	14 GA Solid Copper HMWPE 0.045" Min Insulation Pipe Tracer Wire.	
6		Paige Underground Feeder P7001	14 GA Solid Copper PVC 0.060" Min Insulation Pipe Tracer Wire.	
7		Edmund A. Gray Company	Seamless Red Brass Pipe Nipples (SCH 40/80)	Domestic MFG and meets NSF.
8		Northtown: Hytech Detectable Tape	Detectable Warning Tape	Blue = Water Green = Sewer Purple = Reclaim Water Red = Electrical
9		Northtown: Polywrap	C105 Pipe Polywrap Tubular PE 8 Mil	
10		Sanchem No-Ox Coating Lubricant	No-Ox-ID "A-Special". Rust preventative coating and lubricant	
11		Brimar Safety Tape	Underground Non-detectable Safety Tape	
12		Northtown Air Vac (Bug) Screens	MNPT SS Pipe Screens	
13	For 6" and smaller piping	Pipeline Products: PS-100-S or PS-100S-G	Saddle Mount Pipe Support	Powder Coated or Hot-Dipped Galv
14	For piping larger than 6"	Pipeline Products: Heavy Duty PS-300/400-XXS-30-(HDG or 316)	Heavy Duty Saddle Mount Pipe Support	Hot-Dipped Galvanized or Stainless Steel

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<u>NO.</u>	<u>SIZE</u>	<u>MANUFACTURER & MODEL NO.</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
MISC				
15		Pipeline Products – SX-906	Steel Valve Stem Extension w/ 2" Op Nut	
16		Pipeline Products – Fiberplas Stem Extension	Fiberglass Valve Stem Extension w/ 2" Op Nut	
17		Northtown PVC Tape Wrap	10 mil UPC PVC Tape Wrap	

CATEGORY: SEWER

<u>NO.</u>	<u>SIZE</u>	<u>MANUFACTURER & MODEL NO.</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
PIPE MATERIAL – SEWER				
1	4" & 6"	Vinyltech Gravity Sewer Pipe	D3034 SDR-35/SDR-26 PVC Pipe	
2	4" & 6"	Diamond Plastics Gravity Sewer Pipe	D3034 SDR-35/SDR-26 PVC Pipe	
3	4" & 6"	GPK Products Gravity Sewer Fittings	D3034 SDR-35/26 Fittings	
4	8"x4" & 6"x4"	*Mission Clay Products Corp.	Vitrified Clay Wye	

VALVE STACKS				
5		Jensen Precast HTV10-5 Valve Box	Sewer Cleanout Valve Box	Not allowed in Traffic Installation.
6		Christy F08 Light Duty Valve Box	Sewer Cleanout Valve Box	Not allowed in Traffic Installation.
7		Christy G03 Traffic Rated Valve Box	Sewer Cleanout Traffic Valve Box	Not allowed in Traffic Installation.
8		Alhambra	Sewer Cleanout Valve Box	Not allowed in Traffic Installation.
9		Jensen Precast HTV10-3 Valve Box	Sewer Cleanout Traffic Rated Valve Box	Use all Domestic MFG w/ lid CIL6 for Traffic Installation.

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CATEGORY: STEP SYSTEMS				
NO.	SIZE	MANUFACTURER & MODEL NO.	DESCRIPTION	NOTES
Contact District for STEP Panel Parts List.				
1		*Jensen Precast JP-1500 Commercial Septic Tank. Specify both tank and risers interior be coated with 1-3 mil epoxy primer and lined with min. 125 mil Zebron 386, per coating manufacturer's recommendation.	1,500-Gal Traffic Rated Septic Tank	
2	24" Frame and Cover Lid	*Jensen Precast 24" Clear Opening Frame and Cover	STEP Tank Traffic Rated Cover Lid	
3	2" NPT Nozzle	*Barnes Series STEP-DS Submersible Pump 522 DS	Double Seal 3/4" Solids Submersible Effluent Pump	1/2 HP/240V/1PH
4	17"x30"	Armorcast 20k Traffic Rated 17x30 Polymer Concrete Box/Cover	Traffic Rated Valve Box	Lid marked "SEWER"
5	17"x30"	Armorcast 20k Traffic Rated 17x30 Polymer Concrete Box/Cover	Traffic Rated Electrical Pull Box	Lid marked "ELECTRICAL"
6	4"	NDS 4" PVC Backwater Valve w Riser (Model No. 475PR)	Backwater Valve and Riser	
7	1-1/2"	JM Eagle SCH 80 PVC Pipe	SCH 80 PVC Pipe and Fittings	
8	2"x1-1/2"	Spears 2"x1-1/2" SCH 80 PVC Reducer	SCH 80 PVC Reducing Bushing Spigot x Socket	
9	1-1/2"	*Hayward TBH Series True PVC Union Ball Valve w/ SW Connections	SW PVC True Union Ball Valve	
10	1-1/2"	*Hayward TC Series True PVC Union Ball Check Valve w/ SW Connections	SW PVC True Union Ball Check Valve	
11		*Smith-Blair 411 Coupling with Stainless Steel Bolts and Nuts	C219 Epoxy coated Wide Coupling	Specify SS Bolts and Nuts
12	1" & 2"	JM Eagle Electrical Conduit	UL651/NEMA TC-2 Rigid PVC SCH 40 Conduit	
13		Wheatland Tube Rigid Aluminum Conduit	UL-6A Rigid Aluminum Conduit	
14		*Conery 2900 Series B8 Non-Mercury Float Switch	Adjustable Level Control Non-Mercury Float	Specify N/O Switch Configuration
15		Southwire SIMpull THHN – Soft Drawn Copper Wire & Cable	PVC insulated Nylon jacket per UL-83 and 1063. 19-strand conductors rated and marked 600V 90°C (Dry) 75°C (Wet / Exposed to Oil), THHN all sizes, THWN-2 in #8 and greater, TWHN in #10 to #14, and sunlight resistant.	
16	1-5/8" Channel Width	Power-strut PS-500 & PS-SS	Stainless Steel Strut Channel & Bolts	
17	1-5/8" Channel Width	Power-strut PS-3033SQ-SS	Stainless Steel Floor Mounts	

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CATEGORY: STEP SYSTEMS				
<u>NO.</u>	<u>SIZE</u>	<u>MANUFACTURER & MODEL NO.</u>	<u>DESCRIPTION</u>	<u>NOTES</u>
18		Appleton EYF-100AL 25% Fill Seal Off	UL-1203 Ex. Proof FNPT x FNPT Alum Conduit Seal Off	
19		Appleton UNY 100NR-A Conduit Union	UL-1203 Ex. Proof FNPT x MNTP Aluminum UNY Type Conduit Union	For STEP panel knockout
20		Concrete Sealants Inc: Conseal-101	Butyl Rubber Sealant for Precast Concrete	
21	1" NPT	McMaster-Carr Part No. 9147T125	1" Aluminum Locknut	For STEP panel knockout
22	1" NPT	McMaster-Carr Part No. 97725K33	1" NPT Neoprene Gaskets (two)	For STEP panel knockout
23	1" NPT	McMaster-Carr Part No. 7513K213	Plastic Insulating Bushing (Grommet)	For STEP panel knockout
24		Oatey Clear Cleaner	PVC Pipe Cleaner	
25		Oatey Purple Primer	PVC Pipe Primer	
26		Oatey Rain-R-Shine Medium Blue PVC Cement	PVC Pipe Cement	Not allowed above 4" SCH 120 press pipe

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HELPFUL GUIDE FOR TYPICAL INSTALLATIONS

(CONTRACTOR BARES FULL RESPONSIBILITY FOR SUBMITTING AND PROCURING CORRECT MATERIALS)

1" OR 3/4" WATER METER SERVICE INSTALLATION		
MATERIAL DESCRIPTION	CATEGORY	CATEGORY NO.
1" Saddle	Services / Saddles	1 – 4
1" MIP X CTS Ball Corp Stop	Services / Ballcorp Stops	5 – 6
1" Type K Copper Service Line	Services / Service Line	29, 31
1" Compression Angle Meter Stop OR 1" X 3/4" Compression Angle Meter Stop	Services / Angle Meter Stop	20 – 22
1" FIP X Meter Nut Customer Hand Valve w/ Handle OR 3/4" FIP X Meter Nut Customer Hand Valve	Services / Ball Valves	25 – 26
1" Meter Box OR 2" Meter Box	Enclosures / Meter Boxes	1 – 3
Detectable Warning Tape	Miscellaneous	8
Poly Pipe Wrap	Miscellaneous	9
Washed Concrete Sand	Aggregates & Concrete	9
Slurry	Aggregates & Concrete	5 – 7
Concrete	Aggregates & Concrete	1 – 4
2" WATER METER SERVICE INSTALLATION		
MATERIAL DESCRIPTION	CATEGORY	CATEGORY NO.
Saddle	Services / Saddles	1 – 4
2" MIP X CTS Ball Corp Stop	Services / Ballcorp Stops	5 - 6
2" Municipex Service Line	Services / Service Line	32
SS Pipe Stiffeners, Specific to fitting Manufacturer	Services / Ballcorp Stops	11 – 12
2" CTS X MIP Coupling	Services / Ballcorp Stops	9 – 10
2" FIP Brass Elbow	Miscellaneous	4
2" Brass Pipe	Services / Service Line	30
2" FIP X FL Angle Meter Stop	Services / Angle Meter Stop	23 – 24
2" FIP X FL Customer Ball Curb Valve w/ Handle	Services / Ball Valves	27 – 28
2" Meter Box	Enclosures / Meter Boxes	1 & 2
Detectable Warning Tape	Miscellaneous	8
Tracer Wire (for Municipex)	Miscellaneous	5 – 6
Poly Pipe Wrap	Miscellaneous	9
Washed Concrete Sand	Aggregates & Concrete	9
Slurry	Aggregates & Concrete	5 – 7
Concrete	Aggregates & Concrete	1 - 4

**VENTURA COUNTY WATERWORKS DISTRICT NO. 1, 16, 17, 19 AND 38
COUNTY SERVICE AREA NO. 29, 30, 34, AND CAMARILLO UTILITY ENTERPRISE
APPROVED MATERIALS LIST**

3" OR 4" METER ASSEMBLY		
MATERIAL DESCRIPTION	CATEGORY	CATEGORY NO.
4" DI 90 Elbow, MJ X MJ	Pipe Fittings	5 – 8
4" DI Pipe, Class 350	Pipe Materials / Water	4 – 6
4" DI 90 Elbow, FL x FL	Pipe Fittings	1 – 4
4" DI FLG Tee, w/ 4" x 2" Companion FLG	Pipe Fittings	1 – 4
2" Brass Pipe, Bypass Assembly	Services / Service Line	30
2" Brass Fittings	Miscellaneous	4
2" Brass Ball Valve with Lockwing	Services / Ball Valve Curb	13 – 14, 18
4" Resilient Wedge Gate Valve, FLG X FLG	Valves	1 – 4
4" x 3" DI Reducer, FLG X FLG for (3" Assembly Only)	Pipe Fittings	1 – 4
4" DI Blind Flange	Pipe Fittings	1 – 4
DI Restrained Flange Adapters	Pipe Fittings / Restraints	11 – 14
Pipe Stands	Miscellaneous	13-14
Polystyrene Bond Breaker	Miscellaneous	17
Forest Green Coating	Coatings	1
Poly Pipe Wrap	Miscellaneous	9
Detectable Warning Tape	Miscellaneous	8
Tracer Wire	Miscellaneous	5 – 6
Washed Concrete Sand	Aggregates & Concrete	9
Slurry	Aggregates & Concrete	5 – 7
Concrete	Aggregates & Concrete	1 - 4
See helpful guide table below, CUT-IN TEE FOR 3" OR LARGER SERVICES		
See helpful guide table below, VALVE BOX FOR 3" OR LARGER VALVES		

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FIRE HYDRANT INSTALLATION		
MATERIAL DESCRIPTION	CATEGORY	CATEGORY NO.
6" DI Bury Elbow	Hydrants / Bury El	5 – 8
DI Restrained Flange Adapters	Pipe Fittings / Restraints	11 – 14
6" Extension Spool. Do NOT request breakoff feature.	Hydrants / Bury El	5 – 8
Fire Hydrant	Hydrants / Fire Hydrants	1 – 3
Break-Away Bolts and Silicon Sealant	Not Listed	
Full Face and Rubber Composition Gaskets for Hydrant FL	Miscellaneous	3
6" DI CL 350 Pipe	Pipe Materials / Water	4 – 6
Detectable Warning Tape	Miscellaneous	8
Tracer Wire	Miscellaneous	5, 6
Washed Concrete Sand	Aggregates & Concrete	9
Slurry	Aggregates & Concrete	5 – 7
Concrete	Aggregates & Concrete	1 – 4
See helpful guide table below, CUT-IN TEE FOR 3" OR LARGER SERVICES		
See helpful guide table below, VALVE BOX FOR 3" OR LARGER VALVES		

4" BLOW OFF INSTALLATION		
MATERIAL DESCRIPTION	CATEGORY	CATEGORY NO.
4" Wharf Head	Hydrants / Fire Hydrants	4
4" Brass or SS Nipple	Miscellaneous	7
4" Companion Flange X FIPT	Pipe Fittings	1 – 4
Break Away Bolts and Silicon Sealant	Not Listed	
4" DI CL 350 Pipe	Pipe Materials / Water	4 – 6
4" DI 90 Elbow, FL X MJ	Pipe Fittings	5 – 8
DI Restrained Flange Adapters	Pipe Fittings / Restraints	11 – 14
Desert Tank Coating	Coatings	2 – 5
Detectable Warning Tape	Miscellaneous	8
Tracer Wire	Miscellaneous	5, 6
Washed Concrete Sand	Aggregates & Concrete	9
Slurry	Aggregates & Concrete	5 – 7
Concrete	Aggregates & Concrete	1 - 4
See helpful guide table below, CUT-IN TEE FOR 3" OR LARGER SERVICES		
See helpful guide table below, VALVE BOX FOR 3" OR LARGER VALVES		

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1"-2" RP DEVICE		
MATERIAL DESCRIPTION	CATEGORY	CATEGORY NO.
Brass Pipe	Services / Service Line	30
90 Brass Elbow, FIPT X FIPT	Miscellaneous	4
Brass Union Fitting	Miscellaneous	4
Brass Ball Valve, FIPT X FIPT	Services / Ball Valves	15 – 16
RP Device, Select from Approved RP Device List	Request list from District	
Pipe Supports	Miscellaneous	13-14
Polystyrene Bond Breaker	Miscellaneous	17
Forest Green Coating	Coatings	1
Poly Pipe Wrap	Miscellaneous	9
Washed Concrete Sand	Aggregates & Concrete	9
Slurry	Aggregates & Concrete	5 – 7
Concrete	Aggregates & Concrete	1 – 4

DOUBLE DETECTOR CHECK VALVE		
MATERIAL DESCRIPTION	CATEGORY	CATEGORY NO.
DI CL 350 Pipe	Pipe Materials / Water	4 – 6
DI 90 Elbow, MJ X MJ	Pipe Fittings	5 – 8
DI 90 Elbow, FL X FL	Pipe Fittings	1 – 4
Resilient Wedge Gate Valve	Valves	1 - 4
DDCVA, Select from Approved DDCVA List	Request list from District	
DI Restrained Flange Adaptor	Pipe Fittings / Restraints	11 – 14
Pipe Supports	Miscellaneous	13-14
Polystyrene Bond Breaker	Miscellaneous	17
Forest Green Coating	Coatings	1
Poly Pipe Wrap	Miscellaneous	9
Washed Concrete Sand	Aggregates & Concrete	9
Slurry	Aggregates & Concrete	5 – 7
Concrete	Aggregates & Concrete	1 - 4
See helpful guide table below, CUT-IN TEE FOR 3" OR LARGER SERVICES		
See helpful guide table below, VALVE BOX FOR 3" OR LARGER VALVES		

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APPROVED MATERIALS LIST**

CUT-IN TEE FOR 3" OR LARGER SERVICES (NEW VALVE ONLY ON LATERAL)		
MATERIAL DESCRIPTION	CATEGORY	CATEGORY NO.
(Main Size) Transition Coupling OR (Main Size) PVC Slip Coupling OR (Main Size) DI MJ Sleeve with Restrainer	Pipe Fittings / Couplings	9 – 10
PVC C900 DR-14 Pub OR DI CL 350 Pub	Pipe Materials / Water	1 – 6
(Main Size) MJ x (Lateral Size) FL DI Tee	Pipe Fittings	5 – 8
(Lateral Size) Resilient Wedge Gate Valve FL x MJ	Valves	1 – 4
DI Restrained Flange Adapters	Pipe Fittings / Restraints	11 – 18

CUT-IN TEE FOR 3" OR LARGER SERVICES (NEW VALVES ON MAIN AND LATERAL)		
MATERIAL DESCRIPTION	CATEGORY	CATEGORY NO.
(Main Size) Transition Coupling OR (Main Size) PVC Slip Coupling OR (Main Size) DI MJ Sleeve with Restrainer	Pipe Fittings / Couplings	9 – 10
PVC C900 DR-14 Pub OR DI CL 350 Pub	Pipe Materials / Water	1 – 6
(Main Size) Resilient Wedge Gate Valve FL X MJ	Valves	1 – 4
(Main Size) DI Restrained Flange Adapter	Pipe Fittings / Restraints	11 – 18
(Main Size) FL x (Lateral Size) FL DI Tee	Pipe Fittings	1 – 4
(Lateral Size) Resilient Wedge Gate Valve FL x MJ	Valves	1 – 4
DI Restrained Flange Adapters	Pipe Fittings / Restraints	11 – 18

VALVE BOX FOR 3" OR LARGER VALVES		
MATERIAL DESCRIPTION	CATEGORY	CATEGORY NO.
Tracer Wire	Miscellaneous	5, 6
Tyler Valve Box and Drop Lid	Valves	5
6" PVC SDR-35	Sewer / Pipe Material	1 – 2
1-1/4" Square Solid Steel Stock	Miscellaneous	15-16