

WESTMINSTER STANDARDS AND SPECIFICATIONS
SPECIFIED PRODUCTS LIST

CHAPTER 2 – EARTHWORK, EROSION CONTROL AND SEEDING

SECTION	ITEM	MANUFACTURER	PRODUCT	OR APPROVED EQUAL?
2.30.03 & 2.40.03	Revegetation fertilizer	Biosol	Organic slow-release fertilizer	Yes
2.30.03 & 2.40.03	Soil amendment	Earthgreen	Menefee Humate All Natural Organic Soil Conditioner	Yes
2.40.02	Manufactured topsoil	A1 Organics	Amended Topsoil	Yes

CHAPTER 3 – WATER SYSTEM

SECTION	ITEM	MANUFACTURER	PRODUCT	OR APPROVED EQUAL?
3.33.02	Detectable locator tape	Pro-Line		Yes
3.37.00	Fire hydrant nozzle cap anti-seize	Loctite, CRC, Assured Flow or USA Bluebook	Anti-seize compound	Yes
3.52.02	Test station box	Valvco	Terminal Box #NM (5" ID)	Yes
3.54.02	Gate valve	American Flow Control	Series 2500 (C515 only)	No
		Mueller	Series 2361, 2362	
		American AVK	Series 25, 45, 65	
		CLOW Valves	Models 2639 and 2640	
3.54.03	Butterfly valve	Mueller	Lineseal III and XPIII (sizes up to 48")	No
		Pratt	Triton XR-70 (sizes 24" to 72")	
		K-Flo	500 Series (sizes up to 20")	
3.54.04	Valve box	Tyler	Series 6860 (with No. 160 base)	No
		Olympic Foundry Inc.	Model No. 450VB	
		Castings, Inc.	Series 6850	
		East Jordan Iron Works	Series 8560	
3.55.00	Fire hydrant	Waterous	Pacer Model WB-67-250	No
3.55.00	Fire hydrant paint (factory painted)	Rustoleum	7407 masstone tint base #1210	Yes
3.55.00	Fire hydrant paint (field painted)	Rustoleum	High Performance Protective Enamel (7564 Safety Red)	No
3.57.01	Waterline manhole/vault steps	M.A. Industries, Inc.	PS2-PF	Yes
3.57.02	Waterline manhole/vault gray iron ring and cover	East Jordan Iron Works	No. 00240568 (cover) No. 00242011 (ring)	Yes

3.57.02	Waterline manhole/vault gray iron 24" x 36" adaptor ring	East Jordan Iron Works	No. 2455E (adaptor) No. 2455Z (ring)	Yes
		D & L Foundry	No. A-1425 (adaptor and ring)	Yes
3.57.02	Waterline manhole/vault aluminum ring and cover	Castings Inc.	Model MH-100-24 AL	Yes
3.57.04	Waterline manhole/vault joint material	Concrete Sealants, Inc.	Conseal CS-102	Yes
3.60.02	Water service connection saddle	McDonald	3825 Series	No
		Ford	FC202-905 Series	
		Mueller	BR2B Series	
3.60.03	Curb stop valve	McDonald	6100Q (1½" and 2")	Yes
		Ford	B44-666-G (1½") B44-777-G (2")	Yes
		Mueller	B-25209 (1½" and 2")	Yes
3.60.04	Tapping sleeve for Cast Iron or Ductile Iron pipe	Mueller	H-615	Yes
		Waterous	Series 1004 or 2800	Yes
		US Pipe	T-9	Yes
		Tyler/Union	Compact (up to 12")	Yes
		For pipes over 12" material will be reviewed on a case-by-case basis		
3.60.04	Tapping sleeve for PVC or AC pipe	JCM	432 or 452	Yes
		Mueller	H-304	Yes
		Ford	FTSS	Yes
		Romac	SST III or STS 420	Yes
		Smith Blair	665	Yes
3.60.04	Tapping sleeve for steel pipe	Mueller	Series 2360 (sizes 4" – 12")	Yes
		American AVK	Series 45 (series 4" – 12")	Yes
3.60.05	Corporation stop	McDonald	4701BQ	Yes
		Ford	FB1000-3-G (¾") FB1000-4-G (1") FB1000-6-G (1½") FB1000-7-G (2")	Yes
		Mueller	B-25008	Yes
3.60.07	Compression coupling	Ford	C44-G Series (Grip Joint Connection)	Yes
		McDonald	74758-22	Yes
		Mueller	H-15403	Yes
3.60.07	Upsizing compression coupling	McDonald	74758-22-33 (¾" to 1") 74758-22-33 (1" to 1½")	Yes
		Ford	C44-34-G-NL (¾" to 1") C44-46-G-NL (1" to 1½") C44-67-G-NL (1½" to 2")	Yes
		Mueller	H-15403 (¾" to 1") H-15403 (1" to 1½")	Yes

3.61.03	Insulating foam adhesive	3M	78 Polystyrene Foam Insulation Spray Adhesive	Yes
3.62.02	Sacrificial Anodes	ICCC	MaxMag	Yes
		Dow	Galvomag	Yes
3.62.04	Cathodic protection wire splice connection	Royston	Mini Splice-Right with Crimpit type	Yes
3.62.05	Cathodic protection exothermic welds	Erico Products	CADWELD	Yes
		Burndy	THERMOWELD	Yes
3.62.06	Cathodic protection exothermic weld coating for ductile iron pipe	Koppers	Bitumastic 50	Yes
		Royston	A51	Yes
3.62.06	Cathodic protection exothermic weld coating for steel pipe	Royston	Handicap	Yes
3.62.07	Cathodic protection test station enclosures	Brooks Products Inc.	Model No. 1-RT	No
		Christy Mfg.	Model G3 or G5	
3.62.07	Cathodic protection test station terminal board	CP Test Services	Model NM-5	Yes
3.62.07	Cathodic protection test station shunt	Cott Mfg. Co.	0.01 ohm – 8 ampere color code yellow	Yes
3.63.06	Meter check valve	Ford	HS11-666 (1½") HS11-777 (2")	Yes
3.63.06	Meter check valve (3" or larger)	American Flow Control	Series 52-SC and 600	No
		AVK	41 Series	
		Mueller	A-2600-6-01	
		Kennedy	Style 1106	
3.63.08	Meter setter	McDonald	732-3-09WX2233 (3/4") 732-4-WX2244 (1") 720B618WWFF665 (1½") 721B718WWQQ775 (2")	Yes
		Ford	VB83-9W-44-33-G (3/4") VB84-10W-44-44-G (1") VBB76-18-11-66-G NL(1½") VBB77-18-11-77-G NL(2")	Yes
		Mueller	B-2423N (1½:& 2")	Yes
3.63.08	Meter setter adaptor	Ford	A67 (1½" meter on 2" line) A47 (1" meter on 2" line) A46 (1" meter on 1½" line) A24 (5/8" x ¾" meter on 1" line) A34 (3/4" meter on 1" line)	Yes
3.63.08	Irrigation Meter Setter	Ford	VBHC83W-22-33-NL	Yes
		Mueller	B-2474-2AN	
		AY McDonald	731-3 - - WDTT 33	
			731-4 - - WDTT 44	
3.63.10	Meter pit	Mid-States Plastics Inc.	B-Series	Yes

3.63.10	Meter pit concrete alternate (when approved)	Copeland Enterprises, Inc.	24" & 30" Water Meter Pit	Yes
3.63.10	Meter pit cover	AY McDonald	CM70TPLIDCI (residential 5/8" & 3/4") 74ML20HT (residential 1")	Yes
		Vestal	#32-764 (residential 5/8" & 3/4")	Yes
3.65.00	Air release valve	ARI	D-040	Yes
3.65.00	Air release valve inflow preventer	Val-Matic	Flood Safe	Yes
3.66.02	Mechanical joint restraint device	EBAA Iron	Mega-lug, Series 1100 (DIP) Mega-lug, Series 2000 (PVC)	Yes
		Star	Series 3000, 3000S and 3000OS (DIP) Series 4000 (PVC)	Yes
		Uniflange	Series 1400	Yes
3.66.02	Bell restraint harness	EBAA Iron	Mega-lug, Series 1700 (DIP) Mega-lug, Series 1500, 1600 and 2800 (PVC)	Yes
		Star Pipe Products	Series 3100P (for DIP only)	Yes
		Smith-Blair	Series 165 (for PVC only)	Yes
3.69.00	Repair clamp	PowerSeal	Model 3121AS or 3122AS	No
		Ford	Style FS1 or FS2	
		Smith-Blair	Models 261 and 262	
		Romac	Style SS1, SS2 or XR-501	

CHAPTER 4 – SANITARY SEWER SYSTEM

SECTION	ITEM	MANUFACTURER	PRODUCT	OR APPROVED EQUAL?
4.34.04 and 4.55.04	Manhole horizontal joint wrap	ConWrap	Joint wrap	Yes
4.55.01	Manhole ladder rungs	M.A. Industries		Yes
4.55.02	Manhole cover/frame	EJ	240585/242013 (24" diameter) 250823/250811 (30" diameter)	Yes
4.55.02	Locking and hinged manhole ring and cover	EJ	1040010L01 (24" diameter) 41421092L01 (32" diameter)	No
4.55.04	Manhole joint material	Henry	Ram-Nek	Yes
4.55.04	Manhole joint wrap	ConWrap	Joint wrap	Yes
4.55.06	Manhole interior coating	CCI Spectrum	Spectrashield Poly-Urea Polymer/Polyurethane	No
4.55.07	Manhole exterior coating	SOMAY Products, Inc.	Carboline Bitumastic 300M	Yes
		BASF	MasterSeal HLM 5000	Yes
Detail SS3	Drop bowl	Reliner-Duran		Yes
Detail SS3 and SS4	Manhole penetration gasketed boot	A-Lok	Z-Lok (precast) G-3 (core drilled)	Yes
Detail SS9	Sanitary sewer casing spacer	CCI	Model CSS	Yes
		APS	Model SSI	Yes

CHAPTER 5 – STORM SEWER SYSTEM

SECTION	ITEM	MANUFACTURER	PRODUCT	OR APPROVED EQUAL?
5.24.03	Manhole horizontal joint wrap	ConWrap	Joint wrap	Yes
5.45.02	Manhole ring and cover	EJ	#2405A #240565 (storm vault only)	Yes

CHAPTER 6 - ROADWAY

SECTION	ITEM	MANUFACTURER	PRODUCT	OR APPROVED EQUAL?
6.51.04 and 6.76.02	Crusher fines herbicide	Casoron	4G granular weed and grass killer	Yes
6.75.02	Detectable warning tiles	ADA Solutions, Inc.	Cast-In-Place Detectable Warning Surface Tiles	Yes
Detail R25	PVC drainage chase curb casting	Neenah Foundry	R-3262-3	No

CHAPTER 8 - TRAFFIC

SECTION	ITEM	MANUFACTURER	PRODUCT	OR APPROVED EQUAL?
8.26.03	Pull Box	New Basis	Variable sizes- Name plate must be imprinted onto lid	Yes
8.26.05	Wire connector crimps	Buchanan	Copper Cap Connector	Yes
8.26.05	Wire connector covers	Ideal	Wrap Caps	Yes
8.26.05	Wire connector crimps	Wago	3 port, 5 ports	Yes
8.26.05	Detector loop lead-in splices	3M	Splice kit	Yes
8.31.01	One southbound overhead red, yellow, green through and left turn indications	Mobotrex	Heated Visors	Yes
		Snow Proof Signals	Snow Cones	Yes
8.31.02	Pedestrian signal head	McCain	Black, Aluminum	No
8.31.02	Signal Head	McCain	Black, Poly 12" Sections w/ tunnel visors	No
8.31.02	Signal head backplate	McCain	Black, louvered with 1.5" Yellow reflective tape	No
8.31.02	Signal head mounting hardware OVHD	Sky Brackets	Brackets/Gusset tube assembly	No
8.32.03	Detector loop wire	Standard Wire & Cable Co.	Detecta-Duct	
8.32.05	Detector loop lead-in cable	GTT	Canoga 30003 43#18 AWG shielded	Yes
8.32.07	Emergency vehicle optical detector lead-in cable	3M	Type 138	Yes
8.33.01	Video camera detection	Econolite	Vision	Yes
		Iteris	Next	Yes

8.34.00	Emergency vehicle optical detector	Tomar	4090-21-ST11C-X - 2-Head, 1-Direction, 1-Channel, 1-LED 4090-22-ST-IC-X - 2-Head, 2-Direction, 2-Channel, 2-LED, Self-Test Detector with Integrated Confirmation	Yes
8.34.00	Emergency vehicle preemption optical phase selector module	Tomar	4140V2W-4	Yes
8.35.00	Push buttons APS	Polara	INS 3 Wire	No
8.35.00	Pedestrian push buttons	Polara	Bulldog, Black	No
8.35.00	Push button pole	Frey	4' Aluminum anodized pole	No
8.36.02	Traffic signal poles	Millerbernd	Galvanized, Federal Green Various sizes	Yes
8.36.02	Mast arm vibration mitigation system	Valmont	Mitigator TR1 Vibration Dampener	Yes
8.37.00	Controller cabinet (Fully loaded)	Econolite	TS2 Type 1 16 Position COW Spec. Drawing 17875 Current Version	No
8.37.03	Controller	Econolite	Cobalt EOS Type 1 Shelf Mount	No
8.37.09	Cabinet lightning protection device	EDCO	SRA-16C, SRA-6	No
			LCA-6	No
8.37.11	Malfunction management unit (MMU)	EDI	Model 1133-128 (EDI Model MMU2-16LEip)	No
8.37.11	Bus interface unit (BIU)	Econolite	Model 160-1003-501	No
8.37.11	Cabinet power supply	Econolite	Model 1084-003	No
8.38.01	Pedestal pole	Pelco	Square Pedestal Base 15' Pole Aluminum	No
8.41.02	Sign post	Unistrut Service Co.	Telespar 1¼" x 1¼" 12 ga. galvanized square tube	Yes
8.42.02	Internally illuminated sign	McCain Traffic Supply	Naim-Series-Inter Mark II, single faced	Yes
8.42.05	Internally illuminated sign mounting	Skybracket	Brackets and gusset tube hardware	Yes
Details T20, T21, and T22	School Flasher Equipment	RTC	Timeclock, cabinet, electronic components, M2M, Solar panels, etc.	No
	Rectangular Rapid Flashing Beacon	TAPCO	Solar	No

CHAPTER 10 – STREET LIGHTING

SECTION	ITEM	MANUFACTURER	PRODUCT	OR APPROVED EQUAL?
10.29.03	Spare conductor end tape	3M Scotch	No. 33+ Electrical Tape	No
10.50.02	Lighting cabinet lock	Corbin		No
Lighting Details	Arterial/collector light pole	Valmont	Xcel Item # 54427 (pole) Xcel Item # 54499 (luminaire arm)	No
		WJM		
Lighting Details	LED luminaire	GE	Evolve Scalable Cobrahead (ERS1, ERS2, ERS3, ERS4)	No
Lighting Details	Adaptive control requirements	GE		No
Lighting Details	Decorative luminaire	King Luminaire	KB29 LED	No
Lighting Details	Curvilinear luminaire	Cyclone	CD20S2	No
Lighting Details	Shoenberg & Highland Village pole	CMT	Cat # TB24-D-200 Black Fiberglass	No
Lighting Details	Shoenberg & Highland Village pole-top decorative luminaire	GE	Evolve Salem EPST, Black	No
Lighting Details	Legacy Ridge pole-top decorative fixture	Mountain States Lighting	Spring City Fixture	No
Lighting Details	Legacy Ridge pole-top LED luminaire	Cree	XTE LED System (color temp 4000K)	No
Lighting Details	Power supply LCC	Milbank	CP3B Main Load Series	No

CHAPTER 11 – RECLAIMED WATER SYSTEM

SECTION	ITEM	MANUFACTURER	PRODUCT	OR APPROVED EQUAL?
11.33.02	Detectable locator tape	Pro-Line		Yes
11.52.02	Test station box	Valvco	Terminal Box #NM (5" ID)	Yes
11.54.02	Gate valve	American Flow Control	Series 2500 (C515 only)	No
		Mueller	Series 2361, 2362	
		American AVK	Series 25, 45, 65	
		CLOW Valves	Models 2639 and 2640	
11.54.03	Butterfly valve	Mueller	Lineseal III and XPIII (sizes up to 48")	No
		Pratt	Triton XR-70 (sizes 24" to 72")	
		K-Flo	500 Series (sizes up to 20")	

11.54.04	Valve box	East Jordan Iron Works	No. COM120120A01	Yes
11.57.01	Waterline manhole/vault steps	M.A. Industries, Inc.	PS2-PF	Yes
11.57.02	Waterline manhole/vault gray iron ring and cover	East Jordan Iron Works	No. 00245511 (36" dia. hub) No. 00245521 (36" dia. outer cover) No. 00240588 (24" dia. inner lid)	Yes
11.57.02	Waterline manhole/vault aluminum ring and cover	Castings Inc.	Model MH-100-24 AL	Yes
11.57.04	Waterline manhole/vault joint material	Henry	Ram-Nek	Yes
11.60.02	Water service connection saddle	McDonald	3825 Series	No
		Ford	FC202-905 Series	
		Mueller	BR2B Series	
		Ford (stainless)	FS202-905 Series	
11.60.03	Curb stop valve	McDonald	6100Q (1½" and 2")	Yes
		Ford	B44-666-G (1½") B44-777-G (2")	Yes
		Mueller	B-25209 (1½" and 2")	Yes
11.60.04	Tapping sleeve for Cast Iron or Ductile Iron pipe	Mueller	H-615	Yes
		Waterous	Series 1004 or 2800	Yes
		US Pipe	T-9	Yes
		Tyler/Union	Compact (up to 12")	Yes
11.60.04	Tapping sleeve for PVC or AC pipe	JCM	432 or 452	Yes
		Mueller	H-304	Yes
		Ford	FTSS	Yes
		Romac	SST III or STS 420	Yes
		Smith Blair	665	Yes
11.60.04	Tapping sleeve for steel pipe	Mueller	Series 2360 (sizes 4" – 12")	Yes
		American AVK	Series 45 (series 4" – 12")	Yes
11.60.05	Corporation stop	McDonald	4701BQ	Yes
		Ford	FB1000-3-G (¾") FB1000-6-G (1½") FB1000-7-G (2")	Yes
		Mueller	B-25008	Yes
11.60.07	Compression coupling	Ford	C44-G Series (Grip Joint Connection)	Yes
		McDonald	74758-22	Yes
		Mueller	H-15403	Yes
11.60.07	Upsizing compression coupling	Ford	C44-67-G-NL (1½" to 2")	Yes
		Mueller	H-15403 (1½" to 2")	Yes
11.61.03	Insulating foam adhesive	3M	78 Polystyrene Foam Insulation Spray Adhesive	Yes

11.62.06	Meter check valve	Ford	HS11-666 (1½") HS11-777 (2")	Yes
11.62.06	Meter check valve (3" or larger)	American Flow Control	Series 52-SC and 600	No
		AVK	41 Series	
		Mueller	A-2600-6-01	
		Kennedy	Style 1106	
11.62.08	Meter setter	McDonald	732-3-09WX2233 (¾") 732-4-WX2244 (1") 720B618WWFF665 (1½") 720B718WWFF775 (2")	Yes
		Ford	VB83-9W-44-33-G (¾") VB84-10W-44-44-G (1") VBB76-18B-11-66-G (1½") VBB77-18B-11-77-G (2")	Yes
		Mueller	B-2474N	Yes
11.62.08	Meter setter adaptor	Ford	A67 (1½" meter on 2" line) A47 (1" meter on 2" line) A46 (1" meter on 1½" line) A24 (5/8" x ¾" meter on 1" line)	Yes
11.64.00	Air release valve	ARI	D-040	Yes
11.64.00	Air release valve inflow preventer (groundwater flooding potential)	Val-Matic	Flood Safe	Yes
11.64.00	Air release valve inflow preventer (no groundwater flooding potential)	Wager Company	Model 2100	Yes
11.65.02	Mechanical joint restraint device	EBAA Iron	Mega-lug, Series 1100 (DIP) Mega-lug, Series 2000 (PVC)	No
		Star	Series 3000, 3000S and 3000OS (DIP) Series 4000 (PVC)	
		Uniflange	Series 1400	
11.65.02	Bell restraint harness	EBAA Iron	Mega-lug, Series 1700 (DIP) Mega-lug, Series 1500, 1600 and 2800 (PVC)	No
		Star Pipe Products	Series 3100P (for DIP only)	
		Smith-Blair	Series 165 (for PVC only)	
11.68.00	Repair clamp	PowerSeal	Model 3121AS or 3122AS	No
		Ford	Style FS1 or FS2	
		Smith-Blair	Models 261 and 262	
		Romac	Style SS1 or SS2	