

List of Approved Materials and Products

Alternates to the items in this list require the approval of the Mgr. Capital Projects & Inspections

		<i>Product</i>	<i>Manufacturer</i>	<i>Approved Model</i>	<i>Restrictions/Additional Specifications</i>
26 56 01	Roadway Lighting				
		Cobra Luminaires	<ul style="list-style-type: none"> • GE Lighting • Cooper • American Electrical Lighting (AEL) 	<ul style="list-style-type: none"> • MoT Specs 	Flat Glass Wattages per Design Plans HPS – High Factor Ballast LED Technology Acceptable for Intersection Lighting
		Post Top Luminaires	<ul style="list-style-type: none"> • American Electrical Lighting (AEL) 	<ul style="list-style-type: none"> • TWT Series 	HPS – High Factor Ballast LED Technology Acceptable for Intersection Lighting
			<ul style="list-style-type: none"> • Lumec 	<ul style="list-style-type: none"> • TR20 • CAPELLA • CAND 1 / CAND 2 	HPS – High Factor Ballast LED Technology Acceptable for Intersection Lighting
			<ul style="list-style-type: none"> • Quattro 	<ul style="list-style-type: none"> • PAC 100 / 101 / 201 • MIS600 	HPS – High Factor Ballast LED Technology Acceptable for Intersection Lighting
			<ul style="list-style-type: none"> • SDL 	<ul style="list-style-type: none"> • SRA Series • SFL Series • 94F 	HPS – High Factor Ballast LED Technology Acceptable for Intersection Lighting
		Pedestrian Pathway Lighting	<ul style="list-style-type: none"> • Cree • Lithonia • Lumec 	<ul style="list-style-type: none"> • Aeris - AS1 Series 	HPS – High Factor Ballast MH – Pulse Start Ballast LED Technology Acceptable for Intersection Lighting
		High Pressure Sodium Metal Halide Lamps	<ul style="list-style-type: none"> • Phillips • Osram-Sylvania • GE Lighting 		MoT Specifications
		LED	<ul style="list-style-type: none"> • TBD 	TBD	
		Photocell	<ul style="list-style-type: none"> • DTL (Dark to Light) 	<ul style="list-style-type: none"> • DE 120 for 102V • DE 124 for 120/240V • DE 347 for 347V • DE 480 for 480V 	Electronic c/w relay contacts
		Poly/Conc Junction Boxes	<ul style="list-style-type: none"> • Synertech 	Cover Sizes: <ul style="list-style-type: none"> • 11 x 18 • 17 x 30 • 24 x 36 	2 Sections Plastic Junction Boxes Will Not Be Accepted Round Junction Boxes Will Not Be Accepted

		Product	Manufacturer	Approved Model	Restrictions/Additional Specifications
		Concrete Junction Boxes	<ul style="list-style-type: none"> • Armtech 	<ul style="list-style-type: none"> • TYPE 66 = T266 • TYPE 37 = B937 • TYPE C = 5686 	
		Poles / Arms	<ul style="list-style-type: none"> • West Coast Engineering • Nova Pole • Polecom • Lumec • Quattro 		As per Design Drawings or City Local Area Design Galvanized and Powder Coated
		Concrete Bases	<ul style="list-style-type: none"> • Armtech • Langley Concrete 		PER MMCD / Refer to Supplementary Drawing SS-E7.3
		Service Bases	<ul style="list-style-type: none"> • West Coast Engineering • Nova Pole 		PER MMCD / Refer to Supplementary Drawing SS-E7.3 Galvanized and Powder Coated Robust Tab For Padlock Galvanized And Powder Coated
		Service / Electrical Panel	<ul style="list-style-type: none"> • Westcoast Electric • Valid 		Refer to Supplementary Drawing SS-E7.3 and SS-E7.4 Aluminum or Stainless Steel
		Conductor Tags	<ul style="list-style-type: none"> • Panduit 	<ul style="list-style-type: none"> • MP250-C TAGS 	On All Cables (Black Indelible Marker Pen)
		Conduit	<ul style="list-style-type: none"> • Various 		CSA C22.2 No. 211.2
		Fuse Holders (Pole Hand Holes)	<ul style="list-style-type: none"> • Tron 	<ul style="list-style-type: none"> • Tron HEB-AA c/w 2 L-Type Insulating Boots 	
			<ul style="list-style-type: none"> • Ideal • Buchanan 	<ul style="list-style-type: none"> • 65 KIT Water Proof 	
		Fuses	<ul style="list-style-type: none"> • Bussman 	<ul style="list-style-type: none"> • 10-A Buss KTK 	
		Receptacles	<ul style="list-style-type: none"> • Leviton 	<ul style="list-style-type: none"> • Leviton Smartlock Pro Slim (WR) GFCI 	Approved Corrosion Resistant Alternate
		Cable Lubricant	<ul style="list-style-type: none"> • Ideal 	<ul style="list-style-type: none"> • Poly Water Dyna-Blue • Poly Water Aqua-Gel II 	
		Paint Color Codes			Coquitlam Green-RAL 6028 Coquitlam Black-RAL 9005 Town Centre Brown-RAL 8014 Westwood Plateau Brown-RAL 7030 Mallardville-RAL 7043 Graphite

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		Product	Manufacturer	Approved Model	Restrictions/Additional Specifications
Irrigation System					
2.1	Irrigation Pipe – PVC			<ul style="list-style-type: none"> • CSA Series 160 >50mm • CSA Series 200 <50mm 	Comply with CSA B137.3
	Irrigation Pipe - HDPE			<ul style="list-style-type: none"> • SDR 17 >50mm • SDR 11 <=50mm 	Comply with ASTM D-1248 as a Type III, Class C, Category 5, Grade P34 material and with ASTM D-3350 as a 345434C cell material.
2.2	Backflow Prevention Device		<ul style="list-style-type: none"> • Watts 	<ul style="list-style-type: none"> • Model 007-QT 	
2.3	Water Meter		<ul style="list-style-type: none"> • Sensus • Neptune 	<ul style="list-style-type: none"> • Touch Read • Pro Read 	See City Website for Water Meter Specifications
2.4	Water Meter Box		<ul style="list-style-type: none"> • Carson Series • AE Concrete 	<ul style="list-style-type: none"> • 1419 • Model 5686 	See City Website for Water Meter Specifications
2.5	Electronic Control Valves		<ul style="list-style-type: none"> • Toro 		24 VAC Solenoid Actuated Globe Pattern
2.6	Master Valve		<ul style="list-style-type: none"> • Toro 	<ul style="list-style-type: none"> • 220 Series 	
2.7	Pressure Regulating Modules		<ul style="list-style-type: none"> • Rain Bird 	<ul style="list-style-type: none"> • PRS-Dial 	
2.8	Automatic Controllers		<ul style="list-style-type: none"> • Toro 	<ul style="list-style-type: none"> • Sentinel Satellite Controller 	
2.9	Control Wire	Wire	<ul style="list-style-type: none"> • Paige Wire 	<ul style="list-style-type: none"> • P7079D 	Common Wire to be 12-gauge Master Valve Wire to be 14-gauge
		Flow / pulse transmitter wiring	<ul style="list-style-type: none"> • Belden 	<ul style="list-style-type: none"> • PE39 	8mm Aluminum Polyester Shield Black HDPE Jacket
		Wire splice	<ul style="list-style-type: none"> • 3M 	<ul style="list-style-type: none"> • DBY connector 	
32 91 21S	<ul style="list-style-type: none"> • Topsoil and Finish Grading 				
2.5	Growing Medium		<ul style="list-style-type: none"> • Fraser Richmond Bio-Cycle • BC Eco Soil Recycling Corp • YardWorks • Denbow 		
2.7	Bark Mulch		Answer Garden Products	<ul style="list-style-type: none"> • Nutri-Mulch 	
2.9	Misc. Products	Root Barrier	Deep Root	<ul style="list-style-type: none"> • LB12-2 	

		<i>Product</i>	<i>Manufacturer</i>	<i>Approved Model</i>	<i>Restrictions/Additional Specifications</i>
		Adhesive	OSI Sealants	PL 200	
		Drain Mat	Nilex Geotextile	Nudrain WD/15	
		Filter Fabric	Nilex Geotextile	Nilex 4545	
2.9	Structural Soil	Soil	Answer Garden Products	Humus Builder	
		Structural Geotextile	Nilex Geotextile	Nilex 4553	
32 92 19S	Hydraulic Seeding				
2.2	Seed Mix	Perennial Rye		<ul style="list-style-type: none"> • Elka II • Gator 3 • Top Hat • Charismatic • All Star • Derby Supreme 	
		Fescues		<ul style="list-style-type: none"> • Cindy • Longfellow II • Cindy Lou • Quatro • Shademaster II 	
		Kentucky Bluegrass		<ul style="list-style-type: none"> • Shamrock • Boardway • Midnight • Julius • Allure 	
3.5.3	Fertilizer			<ul style="list-style-type: none"> • Evergrow 28-3-8 	
32 92 20	Seeding				
2.1.2	Seed Mix	Perennial Rye		<ul style="list-style-type: none"> • Elka II • Gator 3 • Top Hat • Charismatic • All Star • Derby Supreme 	
		Fescues		<ul style="list-style-type: none"> • Cindy • Longfellow II • Cindy Lou • Quatro • Shademaster II 	
		Kentucky Bluegrass		<ul style="list-style-type: none"> • Shamrock • Boardway • Midnight • Julius • Allure 	
32 93 01S	Planting of Trees, Shrubs and Ground Covers				
2.3		Fertilizer	<ul style="list-style-type: none"> • Agrico 	<ul style="list-style-type: none"> • Evergro Tabs 	
2.4		Mulch	<ul style="list-style-type: none"> • Yard Works • Eco-Soil • Fraser Richmond Bio-cycle 		Composted
2.8		Guying Wire	<ul style="list-style-type: none"> • Tree Guy Systems 	<ul style="list-style-type: none"> • Arrow Anchor 	

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2.11		Anti-desiccant	<ul style="list-style-type: none"> • GSI Horticultural 	<ul style="list-style-type: none"> • Moisturin 	
2.12		Flagging Tape		<ul style="list-style-type: none"> • Indenti-Tape 	
2.13		Tree Trunk Protection	<ul style="list-style-type: none"> • Deep Roots Products 	<ul style="list-style-type: none"> • Arborgard 	
2.16		Tree Ties	<ul style="list-style-type: none"> • Deep Roots Products 	<ul style="list-style-type: none"> • Arbor Tie 	
33 11 01	Waterworks				
2.2.1	Water Main Ductile Iron	Ductile Iron	<ul style="list-style-type: none"> • McWane Group • US Pipe • Canada Pipe 		CL 50 for all mains less than 400mm dia. and Pressure Class 350 for all mains 400mm dia or larger
2.2.2	Water Main PVC	PVC (C900) PVCO (C909)	<ul style="list-style-type: none"> • Ipex Royal Pipe Systems • Ipex 	<ul style="list-style-type: none"> • Blue Brute • Bionax 	To AWWA C900 / C 905/ C 909 – 100 mm to 300 mm diameter DR18 min. Compliance with MMCD updated Section 33 11 01 2.2.2.2S for thickened bell and spigot pipe All PVC/PVCO mains shall be pigmented blue. Nitro gasket shall be used when hydro carbon is encountered in surrounding soil. PVC/PVCO to be used only where shown on approved construction drawings.
2.2.3	Water Main HDPE	HDPE	<ul style="list-style-type: none"> • KWH Pipe • Performance Pipe 	<ul style="list-style-type: none"> • Sclairpipe • DriscoPlex 	HDPE to be used only where shown on approved construction drawings.
2.2.4.2/3	Water Main Fitting Ductile Iron	Ductile Iron Compact Ductile Iron	<ul style="list-style-type: none"> • Terminal City Iron Works • Norwood Foundry • Sigma Products 		AWWA C 153 & C110, cement mortar lined. Cast iron fittings are not acceptable
2.2.10	Tie Rod, Bolts/Nuts				Type 304 Grade A stainless steel for all hardware
2.2.12	Couplings and Flange Coupling Adapters	Plain End Coupler	<ul style="list-style-type: none"> • Robar • Smith-Blair • Romac 	<ul style="list-style-type: none"> • Robar 1508 • Smith-Blair441 • Romac 501 	

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			<ul style="list-style-type: none"> • Mueller • Ford • EBAA Iron 	<ul style="list-style-type: none"> • Mueller MRC • Ford FC1 • EBAA 3800 	
		Flanged Adapter	<ul style="list-style-type: none"> • Robar • Smith-Blair • Romac • Mueller • EBAA • Clow 	<ul style="list-style-type: none"> • Robar 7504/7506 • Smith-Blair912 • Romac FCG • Mueller • EBAA Iron 1000 • Clow Series 40, DI • Clow Series 90, PVC 	<p>Type 304 Grade A stainless steel required for all hardware.</p> <p>All couplings and flange adapters are to have a fusion epoxy coating.</p>
		Restrained Flange Adaptors	<ul style="list-style-type: none"> • Romac • Uniflange • EBAA 	<ul style="list-style-type: none"> • Romac RFCA • Uniflange RFAP • EBAA 2100 	<p>Type 304 Grade A stainless steel required for all hardware.</p> <p>All restrained flange adapters are to have a fusion epoxy coating.</p>
		Repair Clamps	<ul style="list-style-type: none"> • Canpac • Mueller • Robar • Clow • Romac • Cambridge Brass 	<ul style="list-style-type: none"> • Canpac CR-2 • Mueller 510 • Robar 5626 • Clow 200 • Romac SS2 • Teck Series 425, 825, 1625 	<p>Repair clamps shall be stainless steel.</p> <p>Type 304 Grade A stainless steel required for all hardware.</p>
2.2.13	Joint Restraint Ductile Iron Mains		<ul style="list-style-type: none"> • UniFlange Series 1400 • EBAA Iron • Clow 	<ul style="list-style-type: none"> • UniFlange Series 1400 • EBAA Iron 3800 • Clow Tufgrip TDG 	<p>All joint restraints shall have a pressure rating equal to the mainline pipe.</p> <p>All joint restraints are to have a fusion epoxy coating.</p> <p>Type 304 Grade A stainless steel required for all hardware.</p>
	Joint Restraint PVC / PVCO Mains		<ul style="list-style-type: none"> • UniFlange • EBAA Iron 	<ul style="list-style-type: none"> • UniFlange Series 1300 • EBAA 1500 • EBAA 1900 	<p>No wedge action type for PVC or PVCO pipes.</p> <p>Restraint systems for PVC or PVCO pipe shall be approved by the pipe</p>

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					manufacturer to not reduce the pipe recommended working pressure. All joint restraints are to have a fusion epoxy coating. Type 304 Grade A stainless steel required for all hardware.
	Restrained Joint Pipe Systems (PVC)		<ul style="list-style-type: none"> • Ipex • Royal 	<ul style="list-style-type: none"> • Ipex Terrabrute • Royal Bulldog • Royal Cobra Lock 	Restrained pipe joint systems to be approved prior to use.
	Restrained Joint Pipe Systems (DI)		<ul style="list-style-type: none"> • US Pipe • McWane 	<ul style="list-style-type: none"> • Field Lok Gasket • SureStop Gasket 	Restrained pipe joint systems to be approved prior to use.
2.3	Valves and Valve Boxes	50mm – 300mm Resilient-seated Mainline Gate Valve	<ul style="list-style-type: none"> • Mueller • Clow Canada • AVK • American Flow Control • Terminal City 	<ul style="list-style-type: none"> • Mueller A2362 • Clow 2639 • AVK • AFC Series 2500 • IBBM 	All valves shall have epoxy coated ductile iron body to AWWA C 509.
		375mm or greater Mainline Butterfly Valve	<ul style="list-style-type: none"> • Pratt • Mueller 	<ul style="list-style-type: none"> • Pratt Groundhog • Mueller Lionseal 	AWWA C 504 Class 150B
2.3.5	Air Valve		<ul style="list-style-type: none"> • Apco • Val-Matic • Pratt • Crispin 	<ul style="list-style-type: none"> • APCO 140C • Val-Matic 201C • Pratt UL • Crispin UL 	
2.3.6	Water Valve Box	Nelson Box, 450mm length 150mm riser pipe with circular box	<ul style="list-style-type: none"> • Terminal City • Dobney • Westview • Trojan 		Cover shall be marked with "Water".
2.3.7	Curb Stop Box		<ul style="list-style-type: none"> • Terminal City • Dobney • Westview • Trojan 		Per Supplementary Specification Dwg. COQ-W2b
2.5	Water Service Connection	Type K Copper – 19mm to 75mm			ASTM B88M

		<i>Product</i>	<i>Manufacturer</i>	<i>Approved Model</i>	<i>Restrictions/Additional Specifications</i>
2.5.3.2	Saddles for Ductile Iron Mains		<ul style="list-style-type: none"> • Robar • Smith Blair • Mueller • Romac • Cambridge Brass 	<ul style="list-style-type: none"> • Robar 2506 • Smith Blair 317 • Mueller DR2S • Romac 202NS • Teck Series 840X 	<p>Saddles required for service installation on all ductile iron mains.</p> <p>All saddles are to have a fusion epoxy coating.</p> <p>Type 304 Grade A stainless steel required for all hardware.</p>
2.5.3.3	Saddles for PVC / PVCO Mains		<ul style="list-style-type: none"> • Canpac • Robar • Cambridge Brass • Mueller 	<ul style="list-style-type: none"> • Canpac SC2 • Robar 2506 • Teck Series 840X • Mueller DR2S 	<p>Saddles required for service installation on all PVC / PVCO mains.</p> <p>All saddles are to have a fusion epoxy coating.</p> <p>Type 304 Grade A stainless steel required for all hardware.</p>
2.6	Hydrant		<ul style="list-style-type: none"> • Terminal City • Canada Valve • Clow Canada • Mueller 	<ul style="list-style-type: none"> • TC C71P, TC-1, TC-20P • "Century" • M93 Brigadier • Centurion 	<p>Must have Storz fitting on pumper port</p> <p>Refer to Supplementary Specifications for paint colors</p>
2.7	Corporation Stop		<ul style="list-style-type: none"> • Cambridge • Ford • Mueller • AY-MacDonald 	<ul style="list-style-type: none"> • Cambridge 301 • Ford FB600 • Mueller B25008 • MacDonald 74700 	<p>Shall be full-port ball valve to 38 mm only.</p> <p>Use mainline gate valve for sizes >38 mm</p>
2.7	Curb Stop		<ul style="list-style-type: none"> • Cambridge • Ford • Mueller • AY-MacDonald 	<ul style="list-style-type: none"> • Cambridge 202 • Ford B44-343G • Mueller B25209 • MacDonald 76100 	<p>Shall be full-port ball valve to 50 mm with 90° turn stop.</p> <p>Use mainline gate valve for larger sizes > 50mm</p>
33 30 01	Sanitary Sewers				
2.1	Concrete				Not allowed
2.2	PVC Pipe, Mainline Smooth Profile	PVC SDR35	<ul style="list-style-type: none"> • IPEX • Royal • JM Eagle 		Sizes > than 600 mm to be approved by the Engineer

		<i>Product</i>	<i>Manufacturer</i>	<i>Approved Model</i>	<i>Restrictions/Additional Specifications</i>
2.3	Sanitary Service Connection	PVC SDR28	<ul style="list-style-type: none"> • IPEX • Royal • JM Eagle 		Minimum size shall be 100mm
	Inspection Chamber	Inspection Chamber	<ul style="list-style-type: none"> • Le-Ron • Pro-Line Fittings • Galaxy Plastics 		IC's shall have locking lid with gasket
	Tees and Wyes	PVC SDR35	<ul style="list-style-type: none"> • IPEX • Royal • Galaxy Plastics • GPK Products 		Manufactured wye fitting shall be used for all connections on new mains.
	Sewer Couplers PVC – Other Other – Other		<ul style="list-style-type: none"> • Rollee • Fernco 	<ul style="list-style-type: none"> • Rollee • Fernco 	Couplers (Shear band type) shall have appropriate adaptor gaskets to suit OD of pipe material being coupled
	Sewer Couplers PVC – PVC		<ul style="list-style-type: none"> • Royal/Le-Ron • Pro-Line Fittings • Galaxy Plastics 		To be gasketed push on type
33 34 01	Sewage Force mains				
2.2.4	Low-pressure Sewage Force mains	HDPE with fusion welded joints	<ul style="list-style-type: none"> • KWH • Performance Pipe 	<ul style="list-style-type: none"> • Sclairpipe • DriscoPlex 	AWWA C906
	Service Connections	Wyes and Tees			Manufactured fitting shall be used for all connections on new mains.
33 40 01	Storm Sewers				
2.1	Concrete Pipe	Non-reinforced and Reinforced Concrete	<ul style="list-style-type: none"> • Langley Concrete • Ocean Pipe 		
2.2	PVC Pipe, Mainline Smooth Wall	PVC SDR35	<ul style="list-style-type: none"> • IPEX • Royal • JM Eagle 		Sizes > than 600 mm to be approved by the Engineer.
2.4	HDPE Pipe, Mainline Open Profile		<ul style="list-style-type: none"> • Armtec • Hancor 	<ul style="list-style-type: none"> • Armtec Boss 2000 • Hancor Blue Seal 	Allowed on a case by case basis as approved by the Engineer.
2.6	Service Connections	PVC SDR28	<ul style="list-style-type: none"> • IPEX • Royal • JM Eagle 		Minimum size shall be 150mm.

		<i>Product</i>	<i>Manufacturer</i>	<i>Approved Model</i>	<i>Restrictions/Additional Specifications</i>
	<i>Tees and Wyes</i>	PVC SDR35	<ul style="list-style-type: none"> • IPEX • Royal • Galaxy Plastics • GPK Products 		Manufactured wye fitting shall be used for all connections on new mains.
		Insertable Tee	<ul style="list-style-type: none"> • Inserta Tee 		Insertable tee only permitted for connections to existing PVC and Concrete mains which are 375mm mains or larger.
	<i>Inspection Chamber</i>	Inspection Chamber	<ul style="list-style-type: none"> • Le-Ron • Pro-Line Fittings • Galaxy Plastics 		IC's shall have locking lid with gasket
33 44 01	<i>Manholes and Catchbasins</i>				
2.1	<i>Precast Manhole Sections</i>	Manhole base and riser section	<ul style="list-style-type: none"> • Langley Concrete • Ocean Pipe • Diamond Concrete 		
2.1.7	<i>Manhole Frames and Covers</i>	Ductile Iron for Arterial Roads	<ul style="list-style-type: none"> • Westview Sales • Dobney 	<ul style="list-style-type: none"> • TR 724 • C Series 	Manhole frame shall be secured to the concrete manhole lid with 3 12 mm diameter redi-rods and appropriate Hilti anchors and nuts No cast or ductile iron adjusting grade rings permitted
2.1.7	<i>Manhole Frame and Cover</i>	Cast Iron per MMCD for Non-arterial Roads	<ul style="list-style-type: none"> • Dobney Foundry • Westview Sales Ltd. 	<ul style="list-style-type: none"> • C Series • TR18 	Refer to Supplementary Standard Drawing COQ-S16 for required lettering on Manhole Covers for sanitary and storm sewers, including in fish habitat areas. Shall be compatible and interchangeable with existing City of Coquitlam castings.
2.1.7	<i>Low-profile Frame and Covers</i>				Use of 100mm low profile frames and cover to be approved by the Engineer
	<i>2.1.13 Catch Basin and Other Castings</i>	CB Frame	<ul style="list-style-type: none"> • Dobney Foundry • Westview Sales Ltd. 	<ul style="list-style-type: none"> • B24 • TR24 	Top Inlet Catch Basin – MMCD Standard Drawing S11
		CB Grate	<ul style="list-style-type: none"> • Dobney Foundry • Westview Sales Ltd. 	<ul style="list-style-type: none"> • B23 • TR23R&L 	Top Inlet Catch Basin – MMCD Standard Drawing S11

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		CB Frame – Side Inlet Assembly	<ul style="list-style-type: none"> • Dobney Foundry • Westview Sales Ltd. 	<ul style="list-style-type: none"> • B39A • TR39A 	Refer to Supplementary Standard Drawings COQ-S11A – Side Inlet Catch Basin Assembly
		CB Grate – Side Inlet Assembly	<ul style="list-style-type: none"> • Dobney Foundry • Westview Sales Ltd. 	<ul style="list-style-type: none"> • B39 • TR39 	Refer to Supplementary Standard Drawings COQ-S11A – Side Inlet Catch Basin Assembly
		Curb Inlet	<ul style="list-style-type: none"> • Dobney Foundry • Westview Sales Ltd. 	<ul style="list-style-type: none"> • B24FTH • TR24C 	
		Lawn Basin Grate (600mm Barrel)	<ul style="list-style-type: none"> • Dobney Foundry • Westview Sales Ltd. 	<ul style="list-style-type: none"> • B22A • TR22 	Lawn Drains – MMCD Standard Drawing S12
		Lawn Basin Grate (300mm Barrel)	<ul style="list-style-type: none"> • Dobney Foundry • Westview Sales Ltd. 	<ul style="list-style-type: none"> • D2A • TR12 	Lawn Drains – MMCD Standard Drawing S12
03 30 20	Concrete Walks, Curbs and Gutter				
		Cast-in-Place Tactile panel	<ul style="list-style-type: none"> • Access Tile • Amor-Tile 	<ul style="list-style-type: none"> • ACC-R-2x4 • ADA-C-2448 	See Supplementary Drawing COQ-C9E
34 41 13	• Traffic Signal				
		Poly /Conc Junction Boxes	<ul style="list-style-type: none"> • Synertech 	<ul style="list-style-type: none"> • Cover Sizes: • 11 x 18 • 17 x 30 • 24 x 36 • 	2 Sections Plastic Junction Boxes Will Not Be Accepted Round Junction Boxes Will Not Be Accepted
		Concrete Junction Boxes/Vaults	<ul style="list-style-type: none"> • Armtech 	<ul style="list-style-type: none"> • SP635-1.3.3 (4040 Service Box) • Type 66=T266 • Type 37=B937 • Type C =5686 	For SP635-1.3.3 – Refer to Supplementary Drawing SS-E2.5 Labeled “Elec” or “Comm”
		Poles / Arms	<ul style="list-style-type: none"> • West Coast Engineering • Nova Pole • Polecom 		Galvanized and Power Coated (See Roadway Lighting Section for Paint Codes)
		Concrete Bases	<ul style="list-style-type: none"> • Armtech • Langley Concrete 		For Concrete service bases refer to Supplemental Drawing SS-E7.3
		Service Base	<ul style="list-style-type: none"> • West Coast Engineering • Nova Pole 		Robust Tab for Padlock Refer to Supplemental Drawings SS-E7.3 and SS-E7.4
		Service / Electrical Panel	<ul style="list-style-type: none"> • Westcoast Electric • Valid 		Aluminum or Stainless Steel Refer to Supplemental Drawing SS-E7.3

		Product	Manufacturer	Approved Model	Restrictions/Additional Specifications
		Vehicle Signal Heads	<ul style="list-style-type: none"> Econolite 	<ul style="list-style-type: none"> Polycarbonate Yellow Body Colour 	C/W Cowl Visors or as indicated on Contract Dwgs.
		Backboards	<ul style="list-style-type: none"> Econolite 	<ul style="list-style-type: none"> Aluminum, Yellow Powder Coat 	All Primary Vehicle Signal Heads Front Face with 3M Diamond Grade as indicated on Contract Drawings Optional for Secondary Signal (due to conflicts with pedestrian signal visibilities)
		Pedestrian & Countdown Signal Heads	<ul style="list-style-type: none"> Econolite Eagle 		MoT Specifications <ul style="list-style-type: none"> 300mm Square C/W Cut Away Aluminum Visors Color of Heads, Visors and Brackets to Match Pole
		Vehicle LED Signals	<ul style="list-style-type: none"> Dialight 		ITE Specifications 300mm Round Color Tinted Lense
		Pedestrian LED Signals	<ul style="list-style-type: none"> Dialight Top Section – Walk /Don't Walk Bott. Section – Countdown	Dialight P/N: <ul style="list-style-type: none"> P/N: 430-6772-001X P/N: 430-7773-001X 	ITE Specifications 300mm Square
		Traffic Signal Lamps	<ul style="list-style-type: none"> Phillips Osram-Sylvania GE Lighting 		MoT Specifications ITE Specifications
		Photocells			See Roadway Lighting Section
		Luminaires / Lamps	<ul style="list-style-type: none"> Dialight LRL 	<ul style="list-style-type: none"> LED – Streetsense LED – NXT Series 	See Coquitlam Specifications
		Advanced Accessible Pedestrian Station (AAPS)	<ul style="list-style-type: none"> Polara 	<ul style="list-style-type: none"> Navigator EZ Comm 	
		Audible Pedestrian Signals (APS)	<ul style="list-style-type: none"> Novax 	<ul style="list-style-type: none"> DS103A-3W APS P/N: PLS001188 	
		Pedestrian or Cyclist Push Button	<ul style="list-style-type: none"> Polara 	<ul style="list-style-type: none"> Bulldog BDLM2-Y 	

		Product	Manufacturer	Approved Model	Restrictions/Additional Specifications
		PED Push Button Plate	<ul style="list-style-type: none"> Greenlite Traffic 	<ul style="list-style-type: none"> GEL 239 (R or L) 	Black Symbol on White Background
		Cyclist Push Button Plate	<ul style="list-style-type: none"> Greenlite Traffic 	<ul style="list-style-type: none"> GEL240 (R or L) 	Black Symbol on White Background
		Cyclist / Ped Combo Sign Unit	<ul style="list-style-type: none"> Greenlite Traffic 		Black Symbol on White Background
		Signal Cable	<ul style="list-style-type: none"> Texcan 	<ul style="list-style-type: none"> IMSA 12C, 19C & 25C No. 14 Stranded Copper 	
		Signal Detector Loop Homerun Cable	<ul style="list-style-type: none"> Texcan 	<ul style="list-style-type: none"> IMSA Spec. 50-2 2C No. 14 Stranded Copper 	
		Fuse Holders (Pole Hand Holes)	<ul style="list-style-type: none"> Tron 	<ul style="list-style-type: none"> Tron Heb-AA c/w 2 L-type Insulating Boots 	
		Fuse Holders (Junction Boxes)	<ul style="list-style-type: none"> Ideal Buchanan 	<ul style="list-style-type: none"> 65 KIT Water Proof 	
		Fuses	<ul style="list-style-type: none"> Bussman 	<ul style="list-style-type: none"> 10-A Buss KTK 	Amperage and Rating as per Plans
		Overhead Adjustable Bracket	<ul style="list-style-type: none"> Olson Aluminum Castings 	<ul style="list-style-type: none"> Sky-Bracket 	C/W Stainless Steel Hardware
		Side Mount Brackets	<ul style="list-style-type: none"> Greenlite Traffic 	<ul style="list-style-type: none"> GEL 189G 	C/W Stainless Steel Hardware
		Illuminated Street Name Signs	<ul style="list-style-type: none"> Greentop Lighting Temple Edge Lit Valid 	<ul style="list-style-type: none"> CLEAR LEXAN PANELS 3M 4090T – sheeting (translucent) 3M 1170 series blue film 9" letter height (suffix 4") Clearview font - 3W Upper and lower case lettering 	Mounting hardware: CANBRAC for vertical installation or PELCO for hangar assembly SE-5015-42-PNC
		Illuminated Pedestrian Signs	<ul style="list-style-type: none"> Greentop Lighting Temple Edge-Lit Valid 		OPTIONAL 200 / 300-MM YELLOW LED SIGNALS AND ENCLOSURES. AS INDICATED ON CONTRACT DWGS PROVIDED WITH SIGNAL MOUNTING HARDWARE

		Product	Manufacturer	Approved Model	Restrictions/Additional Specifications
		Individual Conductor	<ul style="list-style-type: none"> • Texcan 	<ul style="list-style-type: none"> • RW90 Stranded Copper • 	Size and Color as per Plans
		Conductor Tags	<ul style="list-style-type: none"> • Panduit 	<ul style="list-style-type: none"> • MP250-C Tags 	On all Cables (Black indelible marker pen)
		Traffic Controller	<ul style="list-style-type: none"> • Econolite 	<ul style="list-style-type: none"> • Cobalt 	Supplied by City at Projects Expense
		Traffic Cabinet	<ul style="list-style-type: none"> • Econolite 	<ul style="list-style-type: none"> • P44DD • MSX 	Supplied by City at Projects Expense
		Uninterruptable Power Supply (UPS) – Full Signal	<ul style="list-style-type: none"> • Alpha Technologies 	<ul style="list-style-type: none"> • FXM-1100 	Supplied by City at Projects Expense
		UPS Cabinet c/w Indicator Light	<ul style="list-style-type: none"> • Valid 	<ul style="list-style-type: none"> • KSD481716PG - CQ 	Supplied by City at Projects Expense
		Uninterruptable Power Supply (UPS) – Pedestrian Signal	<ul style="list-style-type: none"> • Alpha Technologies 	<ul style="list-style-type: none"> • FXM-350 	Separate Cabinet not required. Supplied by City at Projects Expense
		Fire Hall Controller	<ul style="list-style-type: none"> • Novax 	<ul style="list-style-type: none"> • PLS000874 / PLS000877 	Supplied by City at Projects Expense
		Special Crosswalk Controller	<ul style="list-style-type: none"> • Novax 	<ul style="list-style-type: none"> • PLS 000635 / PLS 000859 	Supplied by City at Projects Expense
		Video Vehicle Detection	<ul style="list-style-type: none"> • Econolite • ALDIS 	<ul style="list-style-type: none"> • Autoscope • Power Cable • GRIDSMART 	Solo Terra or Encore Econolite P/N CBL 1175-011 Contact City Traffic Operations for Bill of Materials
		PTZ Cameras	<ul style="list-style-type: none"> • Pelco 	<ul style="list-style-type: none"> • SPECTRA ENHANCED IP – P/N S6230EG1 • CAT5E ETHERENT CABLE • POWER SUPPLY – MEANWELL (DR-75-24) • Surge Protection - DITEK Corp. (Product code DTK-PVPIP) • HPOE – PE-POE75U1UP • MOUNTING HARDWARE 	CAT5E ETHERENT CABLE TWO RUNS OF CAT5E CABLES ARE REQUIRED: ONE FOR THE ETHERNET CABLE, 2 ND FOR THE OPTIONAL INPUTS (CABINET DOOR SWITCH) ASTRO-BRACKET / SKY-BRACKET PARAMOUNT PP350

		Product	Manufacturer	Approved Model	Restrictions/Additional Specifications
		EMV PRE-EMPTION EMTRAC ANTENNA / CABLE	<ul style="list-style-type: none"> • Emtrac 	<ul style="list-style-type: none"> • PRIORITY DETECTOR CARD – ST 9283 • ANTENNA CABLE LMR240DB • MOUNTING BRACKET • BNC CONNECTORS 	Supplied by City at Projects Expense
		Radio Equipment	<ul style="list-style-type: none"> • Encom 	<ul style="list-style-type: none"> • Commpak BB 5.8 (Cable – CAT5E) 	Radio Communication and Product Details to be confirmed with City.
		Paint Color Codes			Coquitlam Green – RAL 6028 Coquitlam Black - RAL 9005 Town Centre Brown -RAL 8014 Westwood Plateau Brown – RAL 7030 Mallardville – RAL 7043 Graphite