



2019 INFRASTRUCTURE WORKS SUMMARY

MATERIAL LIST FOR TENDER (REVISION 0 - 2018-07-26)

ITEM	DESCRIPTION	UNIT	TOTAL
1.0	TOTAL - NISK STREET		_____ \$
2.0	TOTAL - AMISK STREET		_____ \$
3.0	TOTAL - WHAPSTAN STREET		_____ \$
4.0	TOTAL - ETTUKW STREET		_____ \$
5.0	TOTAL - GAWK STREET		_____ \$
6.0	TOTAL - WHAPMAKW STREET		_____ \$
7.0	TOTAL - BIPICHOW STREET		_____ \$
8.0	TOTAL - EXTRA MATERIAL		_____ \$
9.0	TRANSPORTATION		
9.1	Maritime packaging, shipping and transportation fees to Whapmagoostui (via NEAS: 950 Gérard Cadieux Blvd, Port of Valleyfield, Salaberry-de-Valleyfield, Québec J6T 6L4)	Lump	_____ \$
9.2	Maritime packaging, shipping and transportation fees to Whapmagoostui (via DESGAGNÉ: 6565, boulevard Hébert, bureau 201, Sainte-Catherine (Québec) J5C 1B5)	Lump	_____ \$
	TOTAL - TRANSPORTATION :		===== \$
	TOTAL		===== \$



WHAPSTAN STREET INFRASTRUCTURE WORKS (PLANS C01 - C03)

MATERIAL LIST FOR TENDER (REVISION 0 - 2018-07-26)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
1.0	Generality				
1.1	Rigid polystyrene insulation, type HI-40 (600 mm x 2400 mm x 50 mm)	540	m ²	\$	\$
<u>1.2</u>	<u>Cast in place union</u>				
1.2.1	Non-shrink cimentitious grout SikaGrout 212 (25kg)	6	unit	\$	\$
1.2.2	Plywood sheet 4' x 8' x 1/4"	2	unit	\$	\$
	TOTAL - GENERALITY :				\$
2.0	Storm Sewers & Accessories				
<u>2.1</u>	<u>Storm Sewer Pipe (HDPE R-320) and manhole connectors (compatible with pipe)</u>				
2.1.1	Ø 300 mm pipe (ADS or equiv.)	108	m	\$	\$
2.1.2	Ø 300 mm manhole adapter (ADS Nyloplast Soiltight or equiv.)	2	unit	\$	\$
<u>2.2</u>	<u>Reinforced concrete circular precast manholes complete (including riser sections, benching, safety platform, ladder rungs, drop structures, cast iron frames and covers set to specified elevation, insulated manhole removable opening cover, etc. (per standards as shown on contract drawings))</u>				
2.2.1	Manhole S-46, 900 mm Ø	1	unit	\$	\$
2.2.2	Cast iron frame, guide frame and cover for Ø 900 mm manhole; Fonderie Laperle C-50 MS Autostable 775 mm bearing the mention "Storm Drain"	1	unit	\$	\$
2.2.3	Insulated manhole removable opening cover Ø 900 mm	2	unit	\$	\$



WHAPSTAN STREET INFRASTRUCTURE WORKS (PLANS C01 - C03)

MATERIAL LIST FOR TENDER (REVISION 0 - 2018-07-26)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
<p><u>Catchbasins, PVC pipe for catch basin connection to main storm sewer and storm sewer connection saddles (including riser sections, benching, safety platform, ladder rungs, drop structures, cast iron frames and covers set to specified elevation, insulated manhole removable opening cover, etc. (per standards as shown on contract drawings))</u></p>					
2.3					
2.3.1	Ø 600 mm diam. shallow depth Catchbasin (Base height: 600 mm)	2	unit	\$	\$
2.3.2	Ø 600 mm diam. Catchbasin	10	unit	\$	\$
2.3.3	Cast iron frame, conic guide frame and grate for Ø 600 mm catchbasin; Autostable (Fonderie Laperle P-51A and P-51 C5)	12	unit	\$	\$
2.3.4	Cast iron bell for catchbasin	12	unit	\$	\$
2.3.5	Ø 200 mm PVC DR35 pipe catchbasin to storm sewer main	140	m	\$	\$
2.3.6	Tee for PVC pipe DR35 Ø 200 mm	2	unit	\$	\$
2.3.7	Connection saddle for Ø 200 mm PVC DR35 to Ø 450 mm N12-HDPE (Inserta Tee no. 8P35-18N12 or equiv.)	8	unit	\$	\$
2.3.8	Connection saddle for Ø 200 mm PVC DR35 to Ø 600 mm N12-HDPE (Inserta Tee or equiv.)	9	unit	\$	\$
2.3.9	Portable Foaming Generator (Portafoam kit), min. density 30 kg/cu.m., #200 (0,48 m ³)	13	kit	\$	\$
TOTAL - STORM SEWER AND ACCESSORIES :					\$
TOTAL- WHAPSTAN STREET					\$



NISK STREET INFRASTRUCTURE WORKS (PLAN C04)

MATERIAL LIST FOR TENDER (REVISION 0 - 2018-07-26)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
1.0	Generality				
1.1	Rigid polystyrene insulation, type HI-40 (600 mm x 2400 mm x 50 mm)	135	m ²	\$	\$
<u>1.2</u>	<u>Cast in place union</u>				
1.2.1	Non-shrink cementitious grout SikaGrout 212 (25kg)	6	unit	\$	\$
1.2.2	Plywood sheet 4' x 8' x 1/4"	2	unit	\$	\$
	TOTAL - GENERALITY :				\$
2.0	Storm Sewers & Accessories				
<u>2.1</u>	<u>Storm Sewer Pipe (HDPE R-320) and manhole connectors (compatible with pipe)</u>				
2.1.1	Ø 300 mm pipe (ADS or equiv.)	30	m	\$	\$
2.1.2	Ø 300 mm manhole adapter (ADS Nyloplast Soiltight or equiv.)	2	unit	\$	\$
2.1.3	Ø 300 mm end cap (ADS or equiv.)	2	unit	\$	\$
<u>2.2</u>	<u>Reinforced concrete circular precast manholes complete (including riser sections, benching, safety platform, ladder rungs, drop structures, cast iron frames and covers set to specified elevation, insulated manhole removable opening cover, etc. (per standards as shown on contract drawings))</u>				
2.2.1	Manhole S-41, 900 mm Ø	1	unit	\$	\$
2.2.2	Cast iron frame, guide frame and cover for Ø 900 mm manhole; Fonderie Laperle C-50 MS Autostable 775 mm bearing the mention "Storm Drain"	1	unit	\$	\$
2.2.3	Insulated manhole removable opening cover Ø 900 mm	1	unit	\$	\$



NISK STREET INFRASTRUCTURE WORKS (PLAN C04)

MATERIAL LIST FOR TENDER (REVISION 0 - 2018-07-26)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
2.3	<u>Catchbasins, PVC pipe for catch basin connection to main storm sewer and storm sewer connection saddles (including riser sections, benching, safety platform, ladder rungs, drop structures, cast iron frames and covers set to specified elevation, insulated manhole removable opening cover, etc. (per standards as shown on contract drawings))</u>				
2.3.1	Ø 600 mm diam. shallow depth Catchbasin (Base height: 600 mm)	3	unit	\$	\$
2.3.2	Cast iron frame, conic guide frame and grate for Ø 600 mm catchbasin; Autostable (Fonderie Laperle P-51A and P-51 C5)	3	unit	\$	\$
2.3.3	Cast iron bell for catchbasin	6	unit	\$	\$
2.3.4	Ø 200 mm PVC DR35 pipe - catchbasin to storm sewer main	88	m	\$	\$
2.3.5	Connection saddle for Ø 200 mm PVC DR35 to Ø 300 mm HDPE smooth exterior pipe (Inserta Tee)	2	unit	\$	\$
2.3.6	Portable Foaming Generator (Portafoam kit), min. density 30 kg/cu.m., #200 (0,48 m ³)	5	kit	\$	\$
TOTAL - STORM SEWER AND ACCESSORIES :					\$
TOTAL- NISK STREET					\$



WHAPMAKW STREET INFRASTRUCTURE WORKS (PLANS C05 - C07)

MATERIAL LIST FOR TENDER (REVISION 0 - 2018-07-26)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
1.0	Generality				
<u>1.1</u>	<u>Cast in place union</u>				
1.1.1	Non-shrink cementitious grout SikaGrout 212 (25kg)	3	unit	\$	\$
1.1.2	Plywood sheet 4' x 8' x 1/4"	1	unit	\$	\$
	TOTAL - GENERALITY :				\$
2.0	Watermain & Accessories				
<u>2.1</u>	<u>Pre-insulated watermain pipe</u>				
2.1.1	Ductile cast iron pipe Ø150mm pre-insulated (insulation thickness = 50 mm), Class 52 Tyton joints (Urecon or equiv.)	66	m	\$	\$
2.1.2	Heat shrink sleeves 300 mm wide (100' roll)	1	roll	\$	\$
2.1.3	Detectable Underground Warning Tape	66	m	\$	\$
2.1.4	Insulation shells for Ø 150 mm ductile iron pipe, 50mm polyurethane insulation (Urecon or equiv.) (18" complete shells)	6	unit	\$	\$
2.1.5	Portable Foaming Generator (Portafoam kit), min. density 30 kg/cu.m., #200 (0,48 m ³)	3	kit	\$	\$
<u>2.2</u>	<u>Elbows and couplings</u>				
2.2.1	Ductile cast iron elbow Ø 150 mm (11°1/4) - class 52 (including insulation shell 50 mm (Urecon))	3	unit	\$	\$
2.2.2	Ductile cast iron elbow Ø 150 mm (22°1/2) - class 52 (including insulation shell 50 mm (Urecon))	1	unit	\$	\$
2.2.3	Ductile cast iron elbow Ø 150 mm (45°) - class 52 (including insulation shell 50 mm (Urecon))	5	unit	\$	\$
2.2.4	Coupling, Ø 150 mm, ductile cast iron, for ductile iron pipe pressure class 350 psi, 12" long (Ford Ultra Flex wide range couplings FC2W-6-L12)	6	unit	\$	\$
<u>2.3</u>	<u>Restraint joints</u>				
2.3.1	Restraint wedge joint for Ø 150 mm ductile iron pipe joints class 52, including gasket, restraining rods and bolts (Tyler Union TufGrip TLD-6 or Star Pipe 3000 series)	20	unit	\$	\$
2.3.2	Restraint for Bell/Spigot for Ø 150 mm ductile iron pipe joints class 52, including gasket, restraining rods and bolts (EBAA Iron Split Megalug® Bell restraint harness or equiv.)	5	unit	\$	\$
	TOTAL - WATERMAIN & ACCESSORIES :				\$



WHAPMAKW STREET INFRASTRUCTURE WORKS (PLANS C05 - C07)

MATERIAL LIST FOR TENDER (REVISION 0 - 2018-07-26)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
3.0	Storm Sewers & Accessories				
<u>3.1</u>	<u>Storm Sewer Pipe (HDPE R-320) and manhole connectors (compatible with pipe)</u>				
3.1.1	Ø 300 mm pipe (ADS or equiv.)	156	m	\$	\$
3.1.2	Ø 300 mm manhole adapter (ADS Nyloplast Soiltight or equiv.)	6	unit	\$	\$
3.1.3	Ø 300 mm end cap (ADS or equiv.)	2	unit	\$	\$
3.1.4	Ø 375 mm pipe (ADS or equiv.)	330	m	\$	\$
3.1.5	Ø 375 mm manhole adapter (ADS Nyloplast Soiltight or equiv.)	8	unit	\$	\$
3.1.6	Ø 600 mm manhole adapter Soleno PVC DR35 Entry Type with clips	3	unit	\$	\$
3.1.7	Ø 600 mm split coupler Soleno 2M60F	2	unit	\$	\$
<u>3.2</u>	<u>Reinforced concrete circular precast manholes complete (including riser sections, benching, safety platform, ladder rungs, drop structures, cast iron frames and covers set to specified elevation, insulated manhole removable opening cover, etc. (per standards as shown on contract drawings))</u>				
3.2.1	Manhole S-34, 900 mm Ø	1	unit	\$	\$
3.2.2	Manhole S-36, 900 mm Ø	1	unit	\$	\$
3.2.3	Manhole S-37, 900 mm Ø	1	unit	\$	\$
3.2.4	Manhole S-38, 900 mm Ø	1	unit	\$	\$
3.2.5	Manhole S-39, 900 mm Ø	1	unit	\$	\$
3.2.6	Manhole S-40, 900 mm Ø	1	unit	\$	\$
3.2.7	Manhole S-35, 1200 mm Ø	1	unit	\$	\$
3.2.8	Cast iron frame, guide frame and cover for Ø 900 mm manhole; Fonderie Laperle C-50 MS Autostable 775 mm bearing the mention "Storm Drain"	7	unit	\$	\$
3.2.9	Insulated manhole removable opening cover Ø 900 mm	8	unit	\$	\$



WHAPMAKW STREET INFRASTRUCTURE WORKS (PLANS C05 - C07)

MATERIAL LIST FOR TENDER (REVISION 0 - 2018-07-26)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
<u>3.3</u>	<u>Catchbasins, PVC pipe for catch basin connection to main storm sewer and storm sewer connection saddles (including riser sections, benching, safety platform, ladder rungs, drop structures, cast iron frames and covers set to specified elevation, insulated manhole removable opening cover, etc. (per standards as shown on contract drawings))</u>				
3.3.1	Ø 600 mm diam. Catchbasin	29	unit	\$	\$
3.3.2	Cast iron frame, conic guide frame and grate for Ø 600 mm catchbasin; Autostable (Fonderie Laperle P-51A and P-51 C5)	30	unit	\$	\$
3.3.3	Cast iron bell for catchbasin	59	unit	\$	\$
3.3.4	Ø 200 mm PVC DR35 pipe catchbasin to storm sewer main	216	m	\$	\$
3.3.5	Connection saddle for Ø 200 mm PVC DR35 to Ø 300 mm N12-HDPE (Inserta Tee no. 8P35-12N12 or equiv.)	11	unit	\$	\$
3.3.6	Connection saddle for Ø 200 mm PVC DR35 to Ø 375 mm N12-HDPE (Inserta Tee no. 8P35-15N12 or equiv.)	14	unit	\$	\$
3.3.7	Connection saddle for Ø 200 mm PVC DR35 to Ø 450 mm HDN12-HDPE (Inserta Tee no. 8P35-18N12 or equiv.)	6	unit	\$	\$
3.3.8	Portable Foaming Generator (Portafoam kit), min. density 30 kg/cu.m., #600 (1,42 m ³)	23	kit	\$	\$
<u>3.4</u>	<u>Storm water detention and infiltration system</u>				
3.4.1	Storm chambers SC-740 STORMTECH (ADS) (meets CSA B184.1)	80	unit	\$	\$
3.4.2	End cap SC-740 STORMTECH (ADS)	4	unit	\$	\$
3.4.3	45° elbow molded ST for Ø 300 mm HDPE pipe N12-R320	2	unit	\$	\$
3.4.4	Perforated drain pipe N12-R320, Ø 150 mm WT	126	m	\$	\$
3.4.5	45° elbow molded ST for Ø 150 mm perforated drain pipe N12-R320	2	unit	\$	\$
3.4.6	90° elbow molded ST for Ø 150 mm perforated drain pipe N12-R320	3	unit	\$	\$
3.4.7	End cap for Ø 150 mm drain pipe N12-R320 WT	2	unit	\$	\$
3.4.8	22,5° elbow for Ø 200 mm PVC DR35	2	unit	\$	\$
3.4.9	Insertion Tee for Ø 200 mm PVC DR35 on storm chambers (Inserta Tee)	1	unit	\$	\$
3.4.10	Geotextile membrane 601 3.8 m x 109.7 m (418 m ²)	4	roll	\$	\$
3.4.11	Geotextile membrane 315 3.8 m x 109.7 m (418 m ²)	2	roll	\$	\$



WHAPMAKW STREET INFRASTRUCTURE WORKS (PLANS C05 - C07)

MATERIAL LIST FOR TENDER (REVISION 0 - 2018-07-26)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
3.5	<u>Storm chambers inspection ports:</u>				
3.5.1	Inserta Tee for Ø 150 mm PVC DR35 on storm chambers (Inserta Tee)	7	unit	\$	\$
3.5.2	Ø 150 mm PVC DR35 pipe, 3.0 m length (Inserta Tee)	7	unit	\$	\$
3.5.3	Inserta Tee 200 mm drill	1	unit	\$	\$
3.5.4	Inserta Tee 150 mm drill	1	unit	\$	\$
3.5.5	Ductile iron lid and fittings for ductile iron inspection port (Nyloplast)	7	unit	\$	\$
	TOTAL - STORM SEWER AND ACCESSORIES :				\$
4.0	Sanitary sewer and accessories				
4.1	Ø 250 mm PVC DR35 pre-insulated pipe (50 mm insulation) (Urecon or equiv.)	96	m	\$	\$
4.2	Ø 250 mm rubber flexible coupling for PVC DR35 (Fernco 10" x 10" plastic or equiv.)	2	unit	\$	\$
	TOTAL - SANITARY SEWER & ACCESSORIES :				\$
	TOTAL- WHAPMAKWSTREET				\$



AMISK STREET INFRASTRUCTURE WORKS (PLAN C08)

MATERIAL LIST FOR TENDER (REVISION 0 - 2018-07-26)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
1.0	Storm Sewers & Accessories				
	<u>Catchbasins, PVC pipe for catch basin connection to main storm sewer and storm sewer connection saddles (including riser sections, benching, safety platform, ladder rungs, drop structures, cast iron frames and covers set to specified elevation, insulated manhole removable opening cover, etc. (per standards as shown on contract drawings))</u>				
1.1					
1.1.1	Ø 600 mm diam. shallow depth Catchbasin (Base height: 600 mm)	6	unit	\$	\$
1.1.2	Cast iron frame, conic guide frame and grate for Ø 600 mm catchbasin; Autostable (Fonderie Laperle P-51A and P-51 C5)	6	unit	\$	\$
1.1.3	Cast iron bell for catchbasin	12	unit	\$	\$
1.1.4	Ø 200 mm PVC DR35 pipe - catchbasin to storm sewer main	56	m	\$	\$
1.1.5	Tee for PVC DR35 pipe Ø 200 mm	4	unit	\$	\$
1.1.6	Connection saddle for Ø 200 mm PVC DR35 to Ø 300 mm N12-HDPE (Inserta Tee)	7	unit	\$	\$
1.1.7	Portable Foaming Generator (Portafoam kit), min. density 30 kg/cu.m., #200 (0,48 m³)	3	kit	\$	\$
	TOTAL - STORM SEWER AND ACCESSORIES :				\$
	TOTAL- AMISK STREET				\$



ETTUKW STREET INFRASTRUCTURE WORKS (PLAN C09)

MATERIAL LIST FOR TENDER (REVISION 0 - 2018-07-26)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
1.0	Storm Sewers & Accessories				
<u>1.1</u>	<u>Storm Sewer Pipe (HDPE R-320) and manhole connectors (compatible with pipe)</u>				
1.1.1	Ø 300 mm pipe (ADS or equiv.)	12	m	\$	\$
1.1.2	Ø 300 mm manhole adapter (ADS Nyloplast Soiltight or equiv.)	3	unit	\$	\$
1.1.3	Ø 300 mm end cap (ADS or equiv.)	3	unit	\$	\$
1.1.4	Ø 375 mm pipe (ADS or equiv.)	54	m	\$	\$
1.1.5	Ø 375 mm manhole adapter (ADS Nyloplast Soiltight or equiv.)	4	unit	\$	\$
1.1.6	Ø 375 mm end cap (ADS or equiv.)	2	unit	\$	\$
1.1.7	Ø 450 mm pipe (ADS or equiv.)	78	m	\$	\$
1.1.8	Ø 450 mm manhole adapter (ADS Nyloplast Soiltight or equiv.)	10	unit	\$	\$
<u>1.2</u>	<u>Reinforced concrete circular precast manholes complete (including riser sections, benching, safety platform, ladder rungs, drop structures, cast iron frames and covers set to specified elevation, insulated manhole removable opening cover, etc. (per standards as shown on contract drawings))</u>				
1.2.1	Manhole S-64, 900 mm Ø	1	unit	\$	\$
1.2.2	Manhole S-65, 900 mm Ø	1	unit	\$	\$
1.2.3	Manhole S-66, 900 mm Ø	1	unit	\$	\$
1.2.4	Manhole S-67, 900 mm Ø	1	unit	\$	\$
1.2.5	Manhole S-68, 900 mm Ø	1	unit	\$	\$
1.2.6	Cast iron frame, guide frame and cover for Ø 900 mm manhole; Fonderie Laperle C-50 MS Autostable 775 mm bearing the mention "Storm Drain"	5	unit	\$	\$
1.2.7	Insulated manhole removable opening cover Ø 900 mm	6	unit	\$	\$



ETTUKW STREET INFRASTRUCTURE WORKS (PLAN C09)

MATERIAL LIST FOR TENDER (REVISION 0 - 2018-07-26)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
<p><u>Catchbasins, PVC pipe for catch basin connection to main storm sewer and storm sewer connection saddles (including riser sections, benching, safety platform, ladder rungs, drop structures, cast iron frames and covers set to specified elevation, insulated manhole removable opening cover, etc. (per standards as shown on contract drawings))</u></p>					
1.3					
1.3.1	Ø 600 mm diam. shallow depth Catchbasin (Base height: 600 mm)	4	unit	\$	\$
1.3.2	Ø 600 mm diam. Catchbasin	2	unit	\$	\$
1.3.3	Cast iron frame, conic guide frame and grate for Ø 600 mm catchbasin; Autostable (Fonderie Laperle P-51A and P-51 C5)	6	unit	\$	\$
1.3.4	Cast iron bell for catchbasin	6	unit	\$	\$
1.3.5	Ø 200 mm PVC DR35 pipe catchbasin to storm sewer main	68	m	\$	\$
1.3.6	Connection saddle for Ø 200 mm PVC DR35 to Ø 375 mm N12-HDPE (Inserta Tee no. 8P35-15N12 or equiv.)	3	unit	\$	\$
1.3.7	Connection saddle for Ø 200 mm PVC DR35 to Ø 450 mm HDN12-HDPE (Inserta Tee no. 8P35-18N12 or equiv.)	7	unit	\$	\$
1.3.8	Portable Foaming Generator (Portafoam kit), min. density 30 kg/cu.m., #200 (0,48 m ³)	6	kit	\$	\$
1.3.9	Portable Foaming Generator (Portafoam kit), min. density 30 kg/cu.m., #600 (1,42 m ³)	8	kit	\$	\$
TOTAL - STORM SEWER AND ACCESSORIES :					\$
TOTAL- ETTUKW STREET					\$



GAWK STREET INFRASTRUCTURE WORKS (PLAN C10)

MATERIAL LIST FOR TENDER (REVISION 0 - 2018-07-26)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
1.0	Storm Sewers & Accessories				
<u>1.1</u>	<u>Storm Sewer Pipe (HDPE R-320) and manhole connectors (compatible with pipe)</u>				
1.1.1	Ø 600 mm pipe (ADS or equiv.)	6	m	\$	\$
1.1.2	Ø 600 mm manhole adapter (ADS Nyloplast Soiltight or equiv.)	1	unit	\$	\$
1.1.3	Ø 600 mm end cap (ADS or equiv.)	1	unit	\$	\$
<u>1.2</u>	<u>Catchbasins, PVC pipe for catch basin connection to main storm sewer and storm sewer connection saddles (including riser sections, benching, safety platform, ladder rungs, drop structures, cast iron frames and covers set to specified elevation, insulated manhole removable opening cover, etc. (per standards as shown on contract drawings))</u>				
1.2.1	Ø 600 mm diam. shallow depth Catchbasin (Base height: 600 mm)	2	unit	\$	\$
1.2.2	Ø 600 mm diam. Catchbasin	4	unit	\$	\$
1.2.3	Cast iron frame, conic guide frame and grate for Ø 600 mm catchbasin; Autostable (Fonderie Laperle P-51A and P-51 C5)	6	unit	\$	\$
1.2.4	Cast iron bell for catchbasin	6	unit	\$	\$
1.2.5	Ø 200 mm PVC DR35 pipe catchbasin to storm sewer main	40	m	\$	\$
1.2.6	Connection saddle for Ø 200 mm PVC DR35 to Ø 600 mm N12-HDPE (Inserta Tee)	7	unit	\$	\$
1.2.7	Portable Foaming Generator (Portafoam kit), min. density 30 kg/cu.m., #200 (0,48 m ³)	3	kit	\$	\$
	TOTAL - STORM SEWER AND ACCESSORIES :				\$
	TOTAL- GAWK STREET				\$



BIPICHOW STREET INFRASTRUCTURE WORKS (PLAN C11)

MATERIAL LIST FOR TENDER (REVISION 0 - 2018-07-26)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
1.0	Generality				
1.1	Rigid polystyrene insulation, type HI-40 (600 mm x 2400 mm x 50 mm)	360	m ²	\$	\$
	TOTAL - GENERALITY :				\$
2.0	Storm Sewers & Accessories				
<u>2.1</u>	<u>Storm Sewer Pipe (HDPE R-320) and manhole connectors (compatible with pipe)</u>				
2.1.1	Ø 300 mm pipe (ADS or equiv.)	54	m	\$	\$
2.1.2	Ø 300 mm manhole adapter (ADS Nyloplast Soiltight or equiv.)	2	unit	\$	\$
2.1.3	Ø 375 mm pipe (ADS or equiv.)	72	m	\$	\$
2.1.4	Ø 375 mm manhole adapter (ADS Nyloplast Soiltight or equiv.)	2	unit	\$	\$
<u>2.2</u>	<u>Reinforced concrete circular precast manholes complete (including riser sections, benching, safety platform, ladder rungs, drop structures, cast iron frames and covers set to specified elevation, insulated manhole removable opening cover, etc. (per standards as shown on contract drawings))</u>				
2.2.1	Manhole S-75, 900 mm Ø	1	unit	\$	\$
2.2.2	Manhole S-76, 900 mm Ø	1	unit	\$	\$
2.2.3	Cast iron frame, guide frame and cover for Ø 900 mm manhole; Fonderie Laperle C-50 MS Autostable 775 mm bearing the mention "Storm Drain"	2	unit	\$	\$
2.2.4	Insulated manhole removable opening cover Ø 900 mm	3	unit	\$	\$



BIPICHOW STREET INFRASTRUCTURE WORKS (PLAN C11)

MATERIAL LIST FOR TENDER (REVISION 0 - 2018-07-26)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
<p><u>Catchbasins, PVC pipe for catch basin connection to main storm sewer and storm sewer connection saddles (including riser sections, benching, safety platform, ladder rungs, drop structures, cast iron frames and covers set to specified elevation, insulated manhole removable opening cover, etc. (per standards as shown on contract drawings))</u></p>					
2.3					
2.3.1	Ø 600 mm diam. shallow depth Catchbasin (Base height: 600 mm)	7	unit	\$	\$
2.3.2	Cast iron frame, conic guide frame and grate for Ø 600 mm catchbasin; Autostable (Fonderie Laperle P-51A and P-51 C5)	7	unit	\$	\$
2.3.3	Cast iron bell for catchbasin	7	unit	\$	\$
2.3.4	Ø 200 mm PVC DR35 pipe catchbasin to storm sewer main	60	m	\$	\$
2.3.5	Connection saddle for Ø 200 mm PVC DR35 to Ø 300 mm N12-HDPE (Inserta Tee no. 8P35-12N12 or equiv.)	3	unit	\$	\$
2.3.6	Connection saddle for Ø 200 mm PVC DR35 to Ø 375 mm N12-HDPE (Inserta Tee no. 8P35-15N12 or equiv.)	5	unit	\$	\$
2.3.7	Portable Foaming Generator (Portafoam kit), min. density 30 kg/cu.m., #600 (1,42 m ³)	5	kit	\$	\$
TOTAL - STORM SEWER AND ACCESSORIES :					\$
TOTAL- BIPICHOW STREET					\$



INFRASTRUCTURE WORKS - EXTRA MATERIAL ORDER

MATERIAL LIST FOR TENDER (REVISION 0 - 2018-07-26)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
1.0	Generality				
<u>1.1</u>	<u>Cast in place union</u>				
1.1.1	Non-shrink cimentitious grout SikaGrout 212 (25kg)	9	unit	\$	\$
1.1.2	Plywood sheet 4' x 8' x 1/4"	3	unit	\$	\$
	TOTAL - GENERALITY :				\$
2.0	Storm Sewers & Accessories				
<u>2.1</u>	<u>Reinforced concrete circular precast manholes complete (including riser sections, benching, safety platform, ladder rungs, drop structures, cast iron frames and covers set to specified elevation, insulated manhole removable opening cover, etc. (per standards as shown on contract drawings))</u>				
2.1.1	Manhole extension 915 mm x 200 mm with gaskets	5	unit	\$	\$
2.1.2	Manhole extension 915 mm x 300 mm with gaskets	5	unit	\$	\$
2.1.3	Cast iron frame, guide frame and cover for Ø 900 mm manhole; Fonderie Laperle C-50 MS Autostable 775 mm bearing the mention "Storm Drain"	3	unit	\$	\$
2.1.4	Insulated manhole removable opening cover Ø 900 mm	5	unit	\$	\$



INFRASTRUCTURE WORKS - EXTRA MATERIAL ORDER

MATERIAL LIST FOR TENDER (REVISION 0 - 2018-07-26)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
<u>Catchbasins, PVC pipe for catch basin connection to main storm sewer and storm sewer connection saddles (including riser sections, benching, safety platform, ladder rungs, drop structures, cast iron frames and covers set to specified elevation, insulated manhole removable opening cover, etc. (per standards as shown on contract drawings))</u>					
2.2					
2.2.1	Ø 600 mm diam. shallow depth Catchbasin (Base height: 600 mm)	3	unit	\$	\$
2.2.2	Ø 600 mm diam. Catchbasin	5	unit	\$	\$
2.2.3	Cast iron frame, conic guide frame and grate for Ø 600 mm catchbasin; Autostable (Fonderie Laperle P-51A and P-51 C5)	8	unit	\$	\$
2.2.4	Cast iron bell for catchbasin	5	unit	\$	\$
2.2.5	Catchbasin extension Ø 600 mm x 150 mm	5	unit	\$	\$
2.2.6	Catchbasin extension Ø 600 mm x 200 mm	5	unit	\$	\$
2.2.7	Catchbasin extension Ø 600 mm x 250 mm	5	unit	\$	\$
2.2.8	Catchbasin extension Ø 600 mm x 300 mm	5	unit	\$	\$
2.2.9	Elbow 45° for Ø 200 mm PVC DR35 pipe	10	unit	\$	\$
2.2.10	Elbow 22 1/2° for Ø 200 mm PVC DR35 pipe	10	unit	\$	\$
2.2.11	Elbow 11 1/4° for Ø 200 mm PVC DR35 pipe	10	unit	\$	\$
2.2.12	Tee for PVC pipe DR35 Ø 200 mm	10	unit	\$	\$
2.2.13	Ø 200 mm rubber flexible coupling for PVC DR35 (Fernco 8" x 8" plastic or equiv.)	10	unit	\$	\$
TOTAL - STORM SEWER AND ACCESSORIES :					\$
3.0	Sanitary sewer and accessories				
3.1	Manhole Ø 900 mm plain (no holes) 3000 mm height	3	unit	\$	\$
3.2	Cast iron frame, guide frame and cover for Ø 900 mm manhole; Fonderie Laperle C-50 MS Autostable 775 mm bearing the mention "Sewer"	3	unit	\$	\$
3.3	Insulated manhole removable opening cover Ø 900 mm	3	unit	\$	\$
3.4	Ø 250 mm rubber flexible coupling for PVC DR35 (Fernco 10" x 10" plastic or equiv.)	5	unit	\$	\$
3.5	Ø 250 mm PVC DR35 pre-insulated pipe (50 mm insulation) (Urecon or equiv.)	200	m	\$	\$
TOTAL - SANITARY SEWER & ACCESSORIES :					\$
TOTAL- EXTRA MATERIAL					\$