



Material Lists for 2019 and 2020 Infrastructure Works, 6 New Lots and Enchukw Sanitary Sewer Projects

Notice to the tenderers

1. MATERIAL MUST BE PACKAGED AND PROPERLY IDENTIFIED RELATIVELY TO THE STREET IT BELONGS TO. EACH PACKAGE MUST BE IDENTIFIED REGARDING THE STREET ABBREVIATION GIVEN IN THE MATERIAL LIST SUMMARY FOR EACH PROJECT.
2. EACH PACKAGING CRATE MUST HAVE A CLEAR DETAILED LIST OF ITS CONTENT ATTACHED ON THE SIDE OF THE PACKAGE
3. ALL PACKAGING CRATES MUST HAVE A CLOSED FLOOR TO PREVENT MATERIAL LOSS DURING TRANSPORTATION.
4. THE MARITIME CARRIER MUST UNLOAD ALL THE MATERIAL AT THE DOCK AND CARRY IT TO THE STOCKING AREA SHOWN ON THE PLAN BELOW.

PLAN OF THE STOCKING AREA





2019 - 2020 INFRASTRUCTURE WORKS SUMMARY

MATERIAL LIST FOR TENDER (2019-03-01)

ITEM	DESCRIPTION	UNIT	TOTAL
1	TOTAL - 2019 STORM DRAINAGE MATERIAL LIST		_____ \$
2	TOTAL - 2020 STORM DRAINAGE MATERIAL LIST		_____ \$
3	TOTAL - 6 NEW LOTS SERVICE CONNECTIONS MATERIAL LIST		_____ \$
4	TOTAL - SANITARY ENCHUKW		_____ \$
5	TOTAL - MARITIME TRANSPORTATION TO WHAPMAGOOSTUI		_____ \$
6	TOTAL - LAND TRANSPORTATION TO STOCKING SITE		_____ \$
	TOTAL		===== \$



2019 INFRASTRUCTURE WORKS SUMMARY
MATERIAL LIST FOR TENDER (2019-03-01)

ITEM	DESCRIPTION	UNIT	TOTAL
1	TOTAL - WHAPSTAN STREET (WPS-W)		_____ \$
2	TOTAL - BEEYOW STREET (BEE)		_____ \$
3	TOTAL - WHICKSKU STREET (WKS)		_____ \$
4	TOTAL - ETTUKW STREET (ETT-S)		_____ \$
5	TOTAL - GAWK STREET (GWK)		_____ \$
6	TOTAL - WHAPMAKW STREET (WPK-E)		_____ \$
7	TOTAL - EXTRA MATERIAL (XTRA 2019)		_____ \$
8	TRANSPORTATION		
	Maritime packaging, shipping and transportation fees to Whapmagoostui. MATERIAL MUST BE PACKAGED AND PROPERLY IDENTIFIED RELATIVELY TO THE STREET IT BELONGS TO. USE THE STREET ABBREVIATIONS PROVIDED ABOVE FOR PACKAGING IDENTIFICATION.		
8.1		Lump	_____ \$
8.2	Land transportation from Whapmagoostui dock to stocking site	Lump	_____ \$
	TOTAL-TRANSPORTATION		_____ \$
	TOTAL		===== \$



2019 WHAPSTAN STREET INFRASTRUCTURE WORKS (PLANS C01 - C03)

MATERIAL LIST FOR TENDER (2019-03-01)

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		\$
1.2	<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"	4	unit		\$
	TOTAL - GENERALITY :				\$
2.0	Storm Sewers & Accessories				
2.1	<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		\$
2.2	<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		\$



2019 WHAPSTAN STREET INFRASTRUCTURE WORKS (PLANS C01 - C03)

MATERIAL LIST FOR TENDER (2019-03-01)

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, 250 mm sump)	2	unit	\$	\$
2.3.2	Ø 600 mm diam. standard depth Catchbasin (Base height: 1220 mm, 600 mm sump)	12	unit	\$	\$
2.3.3	Cast iron frame, conic guide frame and grate for Ø 600 mm catchbasin; Autostable (Fonderie Laperle P-51AM and P-51C 8)	14	unit	\$	\$
2.3.4	Cast iron bell for catchbasin	14	unit	\$	\$
2.3.5	Ø 200 mm PVC DR35 pipe catchbasin to storm sewer main	168	m	\$	\$
2.3.6	End cap Ø 200 mm PVC DR 35	2	unit	\$	\$
2.3.7	Tee for PVC pipe DR35 Ø 200 mm	2	unit	\$	\$
2.3.8	Connection saddle for Ø 200 mm PVC DR35 to Ø 450 mm N12-HDPE (Inserta Tee no. 8P35-18N12 or equiv.)	8	unit	\$	\$
2.3.9	Connection saddle for Ø 200 mm PVC DR35 to Ø 600 mm N12-HDPE (Inserta Tee or equiv.)	11	unit	\$	\$
2.3.10	Portable Foaming Generator (Portafoam kit), min. density 30 kg/cu.m., #600 (1,42 m3)	7	kit	\$	\$
TOTAL - STORM SEWER AND ACCESSORIES :					\$
TOTAL- WHAPSTAN STREET					\$



2019 BEEYOW STREET INFRASTRUCTURE WORKS (PLAN C04)

MATERIAL LIST FOR TENDER (2019-03-01)

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.)	96	m	\$	\$
1.1.2	Ø 300 mm manhole adapter (ADS Nyloplast Soiltight or equiv.)	4	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-57, 900 mm Ø	1	unit	\$	\$
1.2.2	Manhole S-58, 900 mm Ø	1	unit	\$	\$
1.2.3	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	\$	\$
1.2.4	Insulated manhole removable opening cover Ø 900 mm	2	unit	\$	\$
<u>1.3</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>				
1.3.1	Ø 600 mm diam. shallow depth Catchbasin (Base height: 600 mm, 250 mm sump)	1	unit	\$	\$
1.3.2	Ø 600 mm diam. standard depth Catchbasin (Base height: 1220 mm, 600 mm sump)	4	unit	\$	\$
1.3.3	Cast iron frame, conic guide frame and grate for Ø 600 mm catchbasin; Autostable (Fonderie Laperle P-51AM and P-51C 8)	5	unit	\$	\$
1.3.4	Cast iron bell for catchbasin	5	unit	\$	\$
1.3.5	Ø 200 mm PVC DR35 pipe - catchbasin to storm sewer main	36	m	\$	\$
1.3.6	Connection saddle for Ø 200 mm PVC DR35 to Ø 300 mm HDPE smooth exterior pipe (Inserta Tee)	6	unit	\$	\$
1.3.7	Portable Foaming Generator (Portafoam kit), min. density 30 kg/cu.m., #600 (1,42 m3)	5	kit	\$	\$
TOTAL - STORM SEWER AND ACCESSORIES :					\$
TOTAL- BEEYOW STREET					\$



2019 WHICKSKU STREET INFRASTRUCTURE WORKS (PLAN C05)

MATERIAL LIST FOR TENDER (2019-03-01)

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.)	60	m	\$	\$
1.1.2	Ø 450 mm pipe (ADS or equiv.)	90	m	\$	\$
1.1.3	Ø 300 mm manhole adapter (ADS Nyloplast Soiltight or equiv.)	2	unit	\$	\$
1.1.4	Ø 450 mm manhole adapter (ADS Nyloplast Soiltight or equiv.)	4	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-59, 900 mm Ø	1	unit	\$	\$
1.2.2	Manhole S-60, 900 mm Ø	1	unit	\$	\$
1.2.3	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	\$	\$
1.2.4	Insulated manhole removable opening cover Ø 900 mm	2	unit	\$	\$
<u>1.3</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>				
1.3.1	Ø 600 mm diam. shallow depth Catchbasin (Base height: 600 mm, 250 mm sump)	1	unit	\$	\$
1.3.2	Ø 600 mm diam. standard depth Catchbasin (Base height: 1220 mm, 600 mm sump)	2	unit	\$	\$
1.3.3	Cast iron frame, conic guide frame and grate for Ø 600 mm catchbasin; Autostable (Fonderie Laperle P-51AM and P-51C 8)	3	unit	\$	\$
1.3.4	Cast iron bell for catchbasin	3	unit	\$	\$
1.3.5	Ø 200 mm PVC DR35 pipe - catchbasin to storm sewer main	28	m	\$	\$
1.3.6	Connection saddle for Ø 200 mm PVC DR35 to Ø 300 mm HDPE smooth exterior pipe (Inserta Tee)	4	unit	\$	\$
1.3.7	Portable Foaming Generator (Portafoam kit), min. density 30 kg/cu.m., #600 (1,42 m3)	4	kit	\$	\$
TOTAL - STORM SEWER AND ACCESSORIES :					\$
TOTAL- WHICKSKU STREET					\$



2019 ETTUKW STREET INFRASTRUCTURE WORKS (PLAN C06)

MATERIAL LIST FOR TENDER (2019-03-01)

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-66, 900 mm Ø	1	unit	\$	\$
1.2.2	Manhole S-67, 900 mm Ø	1	unit	\$	\$
1.2.3	Manhole S-68, 900 mm Ø	1	unit	\$	\$
1.2.4	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	\$	\$
1.2.5	Insulated manhole removable opening cover Ø 900 mm	6	unit	\$	\$



2019 ETTUKW STREET INFRASTRUCTURE WORKS (PLAN C06)

MATERIAL LIST FOR TENDER (2019-03-01)

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>					
1.3					
1.3.1	Ø 600 mm diam. shallow depth Catchbasin (Base height: 600 mm, 250 mm sump)	4	unit	\$	\$
1.3.2	Ø 600 mm diam. standard depth Catchbasin (Base height: 1220 mm, 600 mm sump)	2	unit	\$	\$
1.3.3	Cast iron frame, conic guide frame and grate for Ø 600 mm catchbasin; Autostable (Fonderie Laperle P-51AM and P-51C 8)	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	72	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.)	6	unit	\$	\$
1.3.8	Portable Foaming Generator (Portafoam kit), min. density 30 kg/cu.m., #600 (1,42 m ³)	6	kit	\$	\$
TOTAL - STORM SEWER AND ACCESSORIES :					\$
TOTAL- ETTUKW STREET					\$



2019 GAWK STREET INFRASTRUCTURE WORKS (PLAN C07)

MATERIAL LIST FOR TENDER (2019-03-01)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
1.0	Storm Sewers & Accessories				
1.1	<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.)	2	unit	\$	\$
1.1.3	Ø 600 mm end cap (ADS or equiv.)	2	unit	\$	\$
1.2	<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, 250 mm sump)	2	unit	\$	\$
1.2.2	Ø 600 mm diam. standard depth Catchbasin (Base height: 1220 mm, 600 mm sump)	4	unit	\$	\$
1.2.3	Cast iron frame, conic guide frame and grate for Ø 600 mm catchbasin; Autostable (Fonderie Laperle P-51AM and P-51C 8)	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., #600 (1,42 m3)	3	kit	\$	\$
	TOTAL - STORM SEWER AND ACCESSORIES :				\$
	TOTAL- GAWK STREET				\$



2019 WHAPMAKW STREET INFRASTRUCTURE WORKS (PLANS C08 - C10)

MATERIAL LIST FOR TENDER (2019-03-01)

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"	6	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	1	roll	\$	\$
2.1.4	Insulation shells for Ø 150 mm ductile iron pipe, 50mm polyurethane insulaton (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))	10	unit	\$	\$
2.2.2	Ductile cast iron elbow Ø 150 mm (22°1/2) - class 52 (including insulation shell 50 mm (Urecon))	10	unit	\$	\$
2.2.3	Ductile cast iron elbow Ø 150 mm (45°) - class 52 (including insulation shell 50 mm (Urecon))	10	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)	60	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.)	11	unit	\$	\$
<u>2.3</u>	<u>Water service connection</u>				
2.3.1	3/4 " Tapping bit for cast iron tapping (Mueller #680539)	1	unit	\$	\$
2.3.2	Saddle (Robar 2626 DB 6" X 3/4")	2	unit	\$	\$
2.3.3	Teflon tape	1	unit	\$	\$
2.3.4	Pitot orifice 3/4" Pitot mounted on 19mm bronze corporation stop (no drain) for direct tapping on a Ductile Iron pipe 150mmØ Class52 - 19mmØ MIPT X 19mmØ CTS HDPE (Ford F1000-3-P-NL (Corp Stop including Pito for a 150mmØ cast iron main)	5	unit	\$	\$



2019 WHAPMAKW STREET INFRASTRUCTURE WORKS (PLANS C08 - C10)

MATERIAL LIST FOR TENDER (2019-03-01)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
2.3.5	Insert stiffeners 3/4"Ø, 304 stainless steel (Ford Insert-51)	50	unit	\$	\$
2.3.6	Pipe PEHD 3/4" 500 feet long spool of PEHD DR9 19mmØ CTS / Ipex OR901 200 PSI CTS HDPE (500 feet roll)	1	unit	\$	\$
2.3.7	Curb stop 3/4", 19mmØ, CTS HDPE X 19mmØ, CTS HDPE (no drain) with Pack joint connectors (w/tightening screws) (Ford B44-333-NL)	5	unit	\$	\$
2.3.8	Frost stop (Adaptor HDPE for curb stop to create a thermal break) / Frost stop from Urecon	5	unit	\$	\$
2.3.9	2" x 6" x 8' Treated wood timber to put under curb stop	1	unit	\$	\$
2.3.10	Complete telescopic 1" Curb Stop service box for a +/- 6 feet buried curb stop valve (Fonderie Laroche Z-112), including stainless steel stationary rod and curb box lid equipped with adjustment screw (Fonderie Laroche Z-264)	8	unit	\$	\$
2.3.11	Curb stop box repair coupling w/ two set screws (Fonderie Laroche Z-156)	4	unit	\$	\$
2.3.12	Carrying Pipe 100mmØ HDPE DR17 preinsulated pipe (40 ft Long sections) / Preinsulated pipe from Urecon (50mm polyurethane covered with 1,27 mm PE tape)	61	m	\$	\$
2.3.13	Electro fusion joint, Electrofusion coupling 100mmØ for HDPE / IntegriFuse coupling	5	unit	\$	\$
2.3.14	Heating cable, Self limiting heating cable 3 W/ft @ 10°C (120V) / BSX 3-1 from Thermon	70	m	\$	\$
2.3.15	Termination kit (End of heating cable termination kit) 18 SXG from Thermon	3	unit	\$	\$
2.3.16	Mechanical thermostat 0°C to 50°C in a Nema 1 box equipped with a minimum 12 ft long lead & bulb for an installation at 3m from heated building (R1 from Thermon)	2	unit	\$	\$
2.3.17	PVC Nema 3 junction box, 20 A, for the jct of heating cable, thermostat lead, electric supply cable (3 wires) (IPEX Octagonal boxes)	2	unit	\$	\$
2.3.18	Kit to adapt the heating cable for a connection on a regular jct box (SCTK-1D from Thermon)	3	unit	\$	\$
2.3.19	90° Elbow 1" CTS Socket fusion (1 " CTS HDPE x 1 " CTS HDPE) (Rahn 1"CTS 90°Elbow)	8	unit	\$	\$
2.3.20	Tee 1" CTS Socket fusion (1 " CTS HDPE x 1 " CTS HDPE x 1 " CTS HDPE (Rahn 1"CTS HDPE Tee)	3	unit	\$	\$
2.3.21	Brass coupling 1" male IPT x 1" packjoint CTS pipe (Ford C84-44-NL (packjoint))	3	unit	\$	\$
2.3.22	1" Brass ball valve Female IPT x 1" Female IPT with hose drain (Webstone Pro-Pal Series Ball drain FIP (4061))	3	unit	\$	\$
2.3.23	Insulation shell, insulation shell for 100 mmØ HDPE joint insulation /Urecon Insulation kit 2" thick 18 " long with installation accessories	5	unit	\$	\$
2.3.24	Protection layer, Hand roll PE tape (self adhesive) / 100 ft long x 6" wide rolls	1	unit	\$	\$
2.3.25	Heat shrink 300 mm wide 100' roll (Urecon or equiv.)	1	unit	\$	\$



2019 WHAPMAKW STREET INFRASTRUCTURE WORKS (PLANS C08 - C10)

MATERIAL LIST FOR TENDER (2019-03-01)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
2.3.26	Insulation foam, Portafoam kit #600 containing +/- 50 cubic foot of insulation foam	1	unit	\$	\$
2.3.27	Alluminium tape, Roll of 2" wide 180' long alluminium tape to attach Heating cable on accessories at curb stop and connection to the main to ensure no foam goes between heating cable and valves/pipes / AL-20H from Thermon	1	unit	\$	\$
2.3.28	Winter electric tape, PVC all seson-winter electric tape 3/4" X 66' to attach return line, supply line and heating cable every foot.	2	unit	\$	\$
TOTAL - WATERMAIN & ACCESSORIES :					\$
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 end cap (ADS or equiv.)	2	unit	\$	\$
3.1.6	Ø 375 mm manhole adapter (ADS Nyloplast Soiltight or equiv.)	8	unit	\$	\$
3.1.7	Ø 450 mm manhole adapter (ADS Nyloplast Soiltight or equiv.)	2	unit	\$	\$
3.1.8	Ø 600 mm manhole adapter (ADS Nyloplast Soiltight or equiv.)	2	unit	\$	\$
3.1.9	Ø 600 mm manhole adapter Soleno PVC DR35 Entry Type with clips included	3	unit	\$	\$
3.1.10	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-33, 1200 mm Ø	1	unit	\$	\$
3.2.2	Manhole S-34, 900 mm Ø	1	unit	\$	\$
3.2.3	Manhole S-35, 1200 mm Ø	1	unit	\$	\$
3.2.4	Manhole S-36, 900 mm Ø	1	unit	\$	\$
3.2.5	Manhole S-37, 900 mm Ø	1	unit	\$	\$
3.2.6	Manhole S-38, 900 mm Ø	1	unit	\$	\$
3.2.7	Manhole S-39, 900 mm Ø	1	unit	\$	\$
3.2.8	Manhole S-40, 900 mm Ø	1	unit	\$	\$



2019 WHAPMAKW STREET INFRASTRUCTURE WORKS (PLANS C08 - C10)

MATERIAL LIST FOR TENDER (2019-03-01)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
3.2.9	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	\$	\$
3.2.10	Insulated manhole removable opening cover Ø 900 mm	8	unit	\$	\$
<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. standard depth Catchbasin (Base height: 1220 mm, 600 mm sump)	21	unit	\$	\$
3.3.2	Cast iron frame, conic guide frame and grate for Ø 600 mm catchbasin; Autostable (Fonderie Laperle P-51AM and P-51C 8)	21	unit	\$	\$
3.3.3	Cast iron bell for catchbasin	25	unit	\$	\$
3.3.4	Ø 200 mm PVC DR35 pipe catchbasin to storm sewer main	167	m	\$	\$
3.3.5	Elbow 45° for Ø 200 mm PVC DR35 pipe	3	unit	\$	\$
3.3.6	End cap for Ø 200 mm PVC DR35 pipe	3	unit	\$	\$
3.3.7	Connection saddle for Ø 200 mm PVC DR35 to Ø 300 mm N12-HDPE (Inserta Tee no. 8P35-12N12 or equiv.)	11	unit	\$	\$
3.3.8	Connection saddle for Ø 200 mm PVC DR35 to Ø 375 mm N12-HDPE (Inserta Tee no. 8P35-15N12 or equiv.)	14	unit	\$	\$
3.3.9	Connection saddle for Ø 200 mm PVC DR35 to Ø 450 mm HDN12-HDPE (Inserta Tee no. 8P35-18N12 or equiv.)	6	unit	\$	\$
3.3.10	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)	7	unit	\$	\$
3.4.3	End Cap SC-70 with low 600 mm conduct	1	unit	\$	\$
3.4.4	Ø 300 mm pipe (ADS or equiv.)	18	unit	\$	\$
3.4.5	90° elbow molded ST for Ø 300 mm HDPE pipe N12-R320	2	unit	\$	\$
3.4.6	Perforated drain pipe N12-R320, Ø 150 mm WT	128	m	\$	\$
3.4.7	45° elbow molded ST for Ø 150 mm perforated drain pipe N12-R320	3	unit	\$	\$
3.4.8	90° elbow molded ST for Ø 150 mm perforated drain pipe N12-R320	3	unit	\$	\$
3.4.9	End cap for Ø 150 mm drain pipe N12-R320 WT	2	unit	\$	\$
3.4.11	Insertion Tee for Ø 200 mm PVC DR35 on storm chambers (Inserta Tee)	1	unit	\$	\$



2019 WHAPMAKW STREET INFRASTRUCTURE WORKS (PLANS C08 - C10)

MATERIAL LIST FOR TENDER (2019-03-01)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
3.4.11	Ø 200 mm pipe PVC DR35 for future catch basin	8	m	\$	\$
3.4.10	22,5° elbow for Ø 200 mm PVC DR35	4	unit	\$	\$
3.4.12	Geotextile membrane 601 3.8 m x 109.7 m (418 m ²)	4	roll	\$	\$
3.4.13	Geotextile membrane 315 3.8 m x 109.7 m (418 m ²)	2	roll	\$	\$
3.4.14	Ø 450mm IPEX "plug" Inlet Control Device - 20 l/s @ 0,760m)	1	unit	\$	\$
3.4.15	Ø 300mm IPEX "plug" Inlet Control Device - 20 l/s @ 0,550m)	1	unit	\$	\$
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				\$



2019 EXTRA MATERIAL ORDER - INFRASTRUCTURE WORKS

MATERIAL LIST FOR TENDER (2019-03-01)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
1.0	Generality				
1.1	<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"	6	unit	\$	\$
1.2	<u>PVC pipe lubricant (IPEX, 11 kg)</u>	20	unit	\$	\$
	TOTAL - GENERALITY :				\$
2.0	Watermain & Accessories				
2.1	3/4 " Tapping bit for cast iron tapping (Mueller #680539)	3	unit	\$	\$
2.2	Detectable Underground Warning Tape	3	roll	\$	\$
2.3	Gorilla tape (black) (1,88" x 35yds)	20	roll	\$	\$
2.4	Vapor stop membrane (Polythene) (Duchesne Ultra + .006"/150 mm 16' x 1600 sq.ft)	4	roll	\$	\$
2.5	Geotextile membrane 601 3.8 m x 109.7 m (418 m ²)	2	roll	\$	\$
2.6	Wrap around heat shrink sleeve - 24 in width	2	roll	\$	\$
	TOTAL - WATERMAIN & ACCESSORIES :				\$
3.0	Storm Sewers & Accessories				
3.1	<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>				
3.1.1	Manhole extension 915 mm x 200 mm with gaskets	5	unit	\$	\$
3.1.2	Manhole extension 915 mm x 300 mm with gaskets	5	unit	\$	\$
3.1.3	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	\$	\$
3.1.4	Insulated manhole removable opening cover Ø 900 mm	5	unit	\$	\$



2019 EXTRA MATERIAL ORDER - INFRASTRUCTURE WORKS

MATERIAL LIST FOR TENDER (2019-03-01)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
3.2	<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>				
3.2.1	Ø 600 mm diam. shallow depth Catchbasin (Base height: 600 mm, 250 mm sump)	9	unit	\$	\$
3.2.2	Ø 600 mm diam. standard depth Catchbasin (Base height: 1220 mm, 600 mm sump)	5	unit	\$	\$
3.2.3	Cast iron frame, conic guide frame and grate for Ø 600 mm catchbasin; Autostable (Fonderie Laperle P-51A and P-51 C5)	8	unit	\$	\$
3.2.4	Cast iron bell for catchbasin	63	unit	\$	\$
3.2.5	Catchbasin extension Ø 600 mm x 150 mm	5	unit	\$	\$
3.2.6	Catchbasin extension Ø 600 mm x 200 mm	5	unit	\$	\$
3.2.7	Catchbasin extension Ø 600 mm x 250 mm	5	unit	\$	\$
3.2.8	Catchbasin extension Ø 600 mm x 300 mm	5	unit	\$	\$
3.2.9	Elbow 45° for Ø 200 mm PVC DR35 pipe	40	unit	\$	\$
3.2.10	Elbow 22 1/2° for Ø 200 mm PVC DR35 pipe	60	unit	\$	\$
3.2.11	Tee for PVC pipe DR35 Ø 200 mm	10	unit	\$	\$
3.2.12	Ø 200 mm rubber flexible coupling for PVC DR35 (Fernco 8" x 8" plastic or equiv.)	10	unit	\$	\$
3.2.13	Ø 300 mm Marmac Polyseal couplers for corrugated HDPE pipe repair	5	unit	\$	\$
3.2.14	Ø 450 mm Marmac Polyseal couplers for corrugated HDPE pipe repair	5	unit	\$	\$
3.2.15	Ø 600 mm Marmac Polyseal couplers for corrugated HDPE pipe repair	5	unit	\$	\$
3.2.16	Ø 300 mm 22,5° elbow for ADS HDPE N-12 pipe	5	unit	\$	\$
3.2.17	Ø 450 mm 22,5° elbow for ADS HDPE N-12 pipe	5	unit	\$	\$
3.2.18	Ø 600 mm 22,5° elbow for ADS HDPE N-12 pipe	5	unit	\$	\$
TOTAL - STORM SEWER AND ACCESSORIES :					\$



2019 EXTRA MATERIAL ORDER - INFRASTRUCTURE WORKS

MATERIAL LIST FOR TENDER (2019-03-01)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
3.0 Sanitary sewer and accessories					
3.1	Manhole Ø 900 mm plain (no holes) 3000 mm height	3	unit	\$	\$
3.2					
3.3	Manhole extension 900 mm x 200 mm with gaskets	1	unit	\$	\$
3.4	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	\$	\$
3.5	Insulated manhole removable opening cover Ø 900 mm	3	unit	\$	\$
3.6	Ø 250 mm rubber flexible coupling for PVC DR35 (Fernco 10" x 10" plastic or equiv.)	5	unit	\$	\$
3.7	Ø 250 mm PVC DR35 pre-insulated pipe (50 mm insulation) (Urecon or equiv.)	200	m	\$	\$
TOTAL - SANITARY SEWER & ACCESSORIES :					<u><u>\$</u></u>
TOTAL- EXTRA MATERIAL					<u><u>\$</u></u>



2020 INFRASTRUCTURE WORKS SUMMARY

MATERIAL LIST FOR TENDER (2019-03-01)

ITEM	DESCRIPTION	UNIT	TOTAL
1	TOTAL - WHAPSTAN STREET (WPS-E)		_____ \$
2	TOTAL - MEHEEKIN STREET (MEH)		_____ \$
3	TOTAL - BIPICHOW STREET (BIP)		_____ \$
4	TOTAL - NISK STREET (NSK-W)		_____ \$
5	TOTAL - AMISK STREET (AMSK)		_____ \$
6	TOTAL - WHAPMAKW STREET (WPK-W)		_____ \$
7	TOTAL - ETTUKW STREET (ETT-N)		_____ \$
8	TOTAL - EXTRA MATERIAL (XTRA 2020)		_____ \$
9	TRANSPORTATION		
	Maritime packaging, shipping and transportation fees to Whapmagoostui. MATERIAL MUST BE PACKAGED AND PROPERLY IDENTIFIED RELATIVELY TO THE STREET IT BELONGS TO. USE THE STREET ABBREVIATIONS PROVIDED ABOVE FOR PACKAGING IDENTIFICATION.		
9.1		Lump	_____ \$
9.2	Land transportation from Whapmagoostui dock to stocking site	Lump	_____ \$
	TOTAL-TRANSPORTATION		_____ \$
	TOTAL		===== \$



2020 WHAPSTAN STREET INFRASTRUCTURE WORKS (PLANS C01 - C02)

MATERIAL LIST FOR TENDER (2019-03-01)

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, w/ gaskets)</u>				
1.1.1	Ø 525 mm pipe (ADS or equiv.)	111	m	\$	\$
1.1.2	Ø 525 mm manhole adapter (ADS Nyloplast Soiltight or equiv.)	4	unit	\$	\$
1.1.3	Ø 600 mm pipe (ADS or equiv.)	271	m	\$	\$
1.1.4	Ø 600 mm manhole adapter (ADS Nyloplast Soiltight or equiv.)	12	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-47, 900 mm Ø	1	unit	\$	\$
1.2.2	Manhole S-49, 900 mm Ø	1	unit	\$	\$
1.2.3	Manhole S-50, 900 mm Ø	1	unit	\$	\$
1.2.4	Manhole S-51, 900 mm Ø	1	unit	\$	\$
1.2.5	Manhole S-52, 900 mm Ø	1	unit	\$	\$
1.2.6	Manhole S-53, 900 mm Ø	1	unit	\$	\$
1.2.7	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	\$	\$
1.2.8	Insulated manhole removable opening cover Ø 900 mm	7	unit	\$	\$



2020 WHAPSTAN STREET INFRASTRUCTURE WORKS (PLANS C01 - C02)

MATERIAL LIST FOR TENDER (2019-03-01)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
1.3	<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>				
1.3.1	Ø 600 mm diam. standard depth Catchbasin (Base height: 1220 mm, 600 mm sump)	9	unit	\$	\$
1.3.2	Cast iron frame, conic guide frame and grate for Ø 600 mm catchbasin; Autostable (Fonderie Laperle P-51A and P-51 C5)	9	unit	\$	\$
1.3.3	Cast iron bell for catchbasin	10	unit	\$	\$
1.3.4	Ø 200 mm PVC DR35 pipe catchbasin to storm sewer main	56	m	\$	\$
1.3.5	Connection saddle for Ø 200 mm PVC DR35 to Ø 600 mm N12-HDPE (Inserta Tee no. 8P35-24N12 or equiv..)	10	unit	\$	\$
1.3.6	Portable Foaming Generator (Portafoam kit), min. density 30 kg/cu.m., #600 (1,42 m ³)	12	kit	\$	\$
TOTAL - STORM SEWER AND ACCESSORIES :					\$
TOTAL- WHAPSTAN STREET					\$



2020 MEHEEKIN STREET INFRASTRUCTURE WORKS (PLAN C03 - C05)

MATERIAL LIST FOR TENDER (2019-03-01)

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, w/ gaskets)</u>				
1.1.1	Ø 300 mm pipe (ADS or equiv.)	287	m	\$	\$
1.1.2	Ø 300 mm manhole adapter (ADS Nyloplast Soiltight or equiv.)	9	unit	\$	\$
1.1.3	Ø 450 mm pipe (ADS or equiv.)	124	m	\$	\$
1.1.4	Ø 450 mm manhole adapter (ADS Nyloplast Soiltight or equiv.)	5	unit	\$	\$
1.1.5	Ø 525 mm manhole adapter (ADS Nyloplast Soiltight or equiv.)	2	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-54, 900 mm Ø	1	unit	\$	\$
1.2.2	Manhole S-69, 900 mm Ø	1	unit	\$	\$
1.2.3	Manhole S-70, 900 mm Ø	1	unit	\$	\$
1.2.4	Manhole S-71, 900 mm Ø	1	unit	\$	\$
1.2.5	Manhole S-72, 900 mm Ø	1	unit	\$	\$
1.2.6	Manhole S-73, 900 mm Ø	1	unit	\$	\$
1.2.7	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"	6	unit	\$	\$
1.2.8	Insulated manhole removable opening cover Ø 900 mm	7	unit	\$	\$



2020 MEHEEKIN STREET INFRASTRUCTURE WORKS (PLAN C03 - C05)

MATERIAL LIST FOR TENDER (2019-03-01)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
1.3	<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>				
1.3.1	Ø 600 mm diam. shallow depth Catchbasin (Base height: 600 mm, 250 mm sump)	12	unit	\$	\$
1.3.2	Ø 600 mm diam. standard depth Catchbasin (Base height: 1220 mm, 600 mm sump)	8	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)	22	unit	\$	\$
1.3.4	Cast iron bell for catchbasin	22	unit	\$	\$
1.3.5	Ø 200 mm PVC DR35 pipe catchbasin to storm sewer main	92	m	\$	\$
1.3.6	Connection saddle for Ø 200 mm PVC DR35 to Ø 300 mm N12-HDPE (Inserta Tee no. 8P35-12N12 or equiv.)	16	unit	\$	\$
1.3.7	Connection saddle for Ø 200 mm PVC DR35 to Ø 450 mm N12-HDPE (Inserta Tee no. 8P35-18N12 or equiv.)	8	unit	\$	\$
1.3.8	Portable Foaming Generator (Portafoam kit), min. density 30 kg/cu.m., #600 (1,42 m ³)	20	kit	\$	\$
TOTAL - STORM SEWER AND ACCESSORIES :					\$
TOTAL- MEHEEKIN STREET					\$



2020 BIPICHOW STREET INFRASTRUCTURE WORKS (PLAN C06 - C09)

MATERIAL LIST FOR TENDER (2019-03-01)

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, w/ gaskets)</u>				
1.1.1	Ø 300 mm pipe (ADS or equiv.)	498	m	\$	\$
1.1.2	Ø 300 mm manhole adapter (ADS Nyloplast Soiltight or equiv.)	18	unit	\$	\$
1.1.3	Ø 375 mm pipe (ADS or equiv.)	84	m	\$	\$
1.1.4	Ø 375 mm manhole adapter (ADS Nyloplast Soiltight or equiv.)	3	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-74, 900 mm Ø	1	unit	\$	\$
1.2.2	Manhole S-75, 900 mm Ø	1	unit	\$	\$
1.2.3	Manhole S-76, 900 mm Ø	1	unit	\$	\$
1.2.4	Manhole S-77, 900 mm Ø	1	unit	\$	\$
1.2.5	Manhole S-78, 900 mm Ø	1	unit	\$	\$
1.2.6	Manhole S-79, 900 mm Ø	1	unit	\$	\$
1.2.7	Manhole S-80, 900 mm Ø	1	unit	\$	\$
1.2.8	Manhole S-81, 900 mm Ø	1	unit	\$	\$
1.2.9	Manhole S-82, 900 mm Ø	1	unit	\$	\$
1.2.10	Manhole S-83, 900 mm Ø	1	unit	\$	\$
1.2.11	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"	10	unit	\$	\$
1.2.12	Insulated manhole removable opening cover Ø 900 mm	11	unit	\$	\$



2020 BIPICHOW STREET INFRASTRUCTURE WORKS (PLAN C06 - C09)

MATERIAL LIST FOR TENDER (2019-03-01)

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, 250 mm sump)	8	unit	\$	\$
1.3.2	Ø 600 mm diam. standard depth Catchbasin (Base height: 1220 mm, 600 mm sump)	19	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)	29	unit	\$	\$
1.3.4	Cast iron bell for catchbasin	29	unit	\$	\$
1.3.5	Ø 200 mm PVC DR35 pipe catchbasin to storm sewer main	144	m	\$	\$
1.3.6	Connection saddle for Ø 200 mm PVC DR35 to Ø 300 mm N12-HDPE (Inserta Tee no. 8P35-12N12 or equiv.)	34	unit	\$	\$
1.3.7	Connection saddle for Ø 200 mm PVC DR35 to Ø 375 mm N12-HDPE (Inserta Tee no. 8P35-15N12 or equiv.)	6	unit	\$	\$
1.3.8	Portable Foaming Generator (Portafoam kit), min. density 30 kg/cu.m., #600 (1,42 m ³)	31	kit	\$	\$
TOTAL - STORM SEWER AND ACCESSORIES :					\$
TOTAL- BIPICHOW STREET					\$



2020 NISK STREET INFRASTRUCTURE WORKS (PLAN C10 - C11)

MATERIAL LIST FOR TENDER (2019-03-01)

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		\$
1.2	<u>Cast in place union</u>				
1.2.1	Non-shrink cimentitious grout SikaGrout 212 (25kg)	9	unit		\$
1.2.2	Plywood sheet 4' x 8' x 1/4"	8	unit		\$
	TOTAL - GENERALITY :				\$
2.0	Storm Sewers & Accessories				
2.1	<u>Storm Sewer Pipe (HDPE R-320) and manhole connectors (compatible with pipe, w/ gaskets)</u>				
2.1.1	Ø 300 mm pipe (ADS or equiv.)	149	m		\$
2.1.2	Ø 300 mm manhole adapter (ADS Nyloplast Soiltight or equiv.)	8	unit		\$
2.1.3	Ø 300 mm end cap (ADS or equiv.)	3	unit		\$
2.2	<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	Manhole S-42, 900 mm Ø	1	unit		\$
2.2.3	Manhole S-43, 900 mm Ø	1	unit		\$
2.2.4	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		\$
2.2.5	Insulated manhole removable opening cover Ø 900 mm	3	unit		\$



2020 NISK STREET INFRASTRUCTURE WORKS (PLAN C10 - C11)

MATERIAL LIST FOR TENDER (2019-03-01)

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, 250 mm sump)	11	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 HDPE smooth exterior pipe (Inserta Tee)	5	unit	\$	\$
2.3.6	Portable Foaming Generator (Portafoam kit), min. density 30 kg/cu.m., #600 (1,42 m ³)	8	kit	\$	\$
TOTAL - STORM SEWER AND ACCESSORIES :					\$
TOTAL- NISK STREET					\$



2020 AMISK STREET INFRASTRUCTURE WORKS (PLAN C12)

MATERIAL LIST FOR TENDER (2019-03-01)

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, 250 mm sump)	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	6	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., #600 (1,42 m ³)	4	kit	\$	\$
	TOTAL - STORM SEWER AND ACCESSORIES :				\$
	TOTAL- AMISK STREET				\$



2020 WHAPMAKW STREET INFRASTRUCTURE WORKS (PLAN C13)

MATERIAL LIST FOR TENDER (2019-03-01)

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	\$	\$
	TOTAL - GENERALITY :				\$
2.0	Storm Sewers & Accessories				
<u>2.1</u>	<u>Storm Sewer Pipe (HDPE R-320) and manhole connectors (compatible with pipe, w/ gaskets)</u>				
2.1.1	Ø 300 mm pipe (ADS or equiv.)	147	m	\$	\$
2.1.2	Ø 300 mm manhole adapter (ADS Nyloplast Soiltight or equiv.)	6	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-30, 900 mm Ø	1	unit	\$	\$
2.2.2	Manhole S-31, 900 mm Ø	1	unit	\$	\$
2.2.3	Manhole S-32, 900 mm Ø	1	unit	\$	\$
2.2.4	Manhole S-33, 900 mm Ø	1	unit	\$	\$
2.2.5	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"	4	unit	\$	\$
2.2.6	Insulated manhole removable opening cover Ø 900 mm	5	unit	\$	\$



2020 WHAPMAKW STREET INFRASTRUCTURE WORKS (PLAN C13)

MATERIAL LIST FOR TENDER (2019-03-01)

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>				
2.3					
2.3.1	Ø 600 mm diam. shallow depth Catchbasin (Base height: 600 mm, 250 mm sump)	8	unit	\$	\$
2.3.2	Ø 600 mm diam. standard depth Catchbasin (Base height: 1220 mm, 600 mm sump)		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)	8	unit	\$	\$
2.3.4	Cast iron bell for catchbasin	8	unit	\$	\$
2.3.5	Ø 200 mm PVC DR35 pipe catchbasin to storm sewer main	77	m	\$	\$
2.3.6	Elbow 22 1/2° for Ø 200 mm PVC DR35 pipe	3	unit	\$	\$
2.3.7	Connection saddle for Ø 200 mm PVC DR35 to Ø 300 mm N12-HDPE (Inserta Tee no. 8P35-12N12 or equiv.)	7	unit	\$	\$
2.3.8	Connection saddle for Ø 200 mm PVC DR35 to Ø 525 mm N12-HDPE (Inserta Tee no. 8P35-21N12 or equiv.)	3	unit	\$	\$
2.3.9	Portable Foaming Generator (Portafoam kit), min. density 30 kg/cu.m., #600 (1,42 m ³)	8	kit	\$	\$
	TOTAL - STORM SEWER AND ACCESSORIES :				\$
	TOTAL- WHAPMAKWSTREET				\$



2020 ETTUKW STREET INFRASTRUCTURE WORKS (PLAN C14)

MATERIAL LIST FOR TENDER (2019-03-01)

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.)	2	unit	\$	\$
1.1.3	Ø 300 mm end cap (ADS or equiv.)	2	unit	\$	\$
1.1.4	Ø 375 mm pipe (ADS or equiv.)	6	m	\$	\$
1.1.5	Ø 375 mm manhole adapter (ADS Nyloplast Soiltight or equiv.)	1	unit	\$	\$
1.1.6	Ø 375 mm end cap (ADS or equiv.)	1	unit	\$	\$
1.1.7	Ø 450 mm pipe (ADS or equiv.)	190	m	\$	\$
1.1.8	Ø 450 mm manhole adapter (ADS Nyloplast Soiltight or equiv.)	7	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-23, 900 mm Ø	1	unit	\$	\$
1.2.2	Manhole S-64, 900 mm Ø	1	unit	\$	\$
1.2.3	Manhole S-65, 900 mm Ø	1	unit	\$	\$
1.2.4	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	\$	\$
1.2.5	Insulated manhole removable opening cover Ø 900 mm	4	unit	\$	\$
1.2.6	Portable Foaming Generator (Portafoam kit), min. density 30 kg/cu.m., #600 (1,42 m ³)	3	kit	\$	\$
TOTAL - STORM SEWER AND ACCESSORIES :					\$
TOTAL- ETTUKW STREET					\$



2020 EXTRA MATERIAL ORDER - INFRASTRUCTURE WORKS

MATERIAL LIST FOR TENDER (2019-03-01)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
1.0	Generality				
1.1	<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"	6	unit	\$	\$
1.2	<u>PVC pipe lubricant (IPEX, 11 kg)</u>	20	unit	\$	\$
	TOTAL - GENERALITY :				\$
2.0	Storm Sewers & Accessories				
2.1	<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	\$	\$
2.2	<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>				
2.2.1	Ø 600 mm diam. shallow depth Catchbasin (Base height: 600 mm, 250 mm sump)	3	unit	\$	\$
2.2.2	Ø 600 mm diam. standard depth Catchbasin (Base height: 1220 mm, 600 mm sump)	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	\$	\$



2020 EXTRA MATERIAL ORDER - INFRASTRUCTURE WORKS

MATERIAL LIST FOR TENDER (2019-03-01)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
2.2.9	Elbow 45° for Ø 200 mm PVC DR35 pipe	40	unit	\$	\$
2.2.10	Elbow 22 1/2° for Ø 200 mm PVC DR35 pipe	60	unit	\$	\$
2.2.11	Tee for PVC pipe DR35 Ø 200 mm	10	unit	\$	\$
2.2.12	Ø 200 mm rubber flexible coupling for PVC DR35 (Fernco 8" x 8" plastic or equiv.)	20	unit	\$	\$
2.2.13	Ø 300 mm Marmac Polyseal couplers for corrugated HDPE pipe repair	5	unit	\$	\$
2.2.14	Ø 450 mm Marmac Polyseal couplers for corrugated HDPE pipe repair	5	unit	\$	\$
2.2.15	Ø 600 mm Marmac Polyseal couplers for corrugated HDPE pipe repair	5	unit	\$	\$
2.2.16	Ø 300 mm 22,5° elbow for ADS HDPE N-12 pipe	5	unit	\$	\$
2.2.17	Ø 450 mm 22,5° elbow for ADS HDPE N-12 pipe	5	unit	\$	\$
2.2.18	Ø 600 mm 22,5° elbow for ADS HDPE N-12 pipe	5	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					\$



6 New Lots Service Connections

Project name
6 New Lots Service Connections

Project no	
CIMA+ : Q182545A-120	
Revision	
0	2019-03-01

Art.	Description	Unit	Qty	Unit price	Total
1.0	Water Service Connection (6 units)				
1.1	3/4 " Tapping bit for cast iron tapping (Mueller #680539)	unit	1		\$
1.2	Saddle (Robar 2626 DB 6" X 3/4")	unit	6		\$
1.3	Teflon tape	roll	6		\$
1.4	Pitot orifice 3/4" Pitot mounted on 19mm bronze corporation stop (no drain) for direct tapping on a Ductile Iron pipe 150mmØ Class52 - 19mmØ MIPT X 19mmØ CTS HDPE (Ford F1000-3-P-NL (Corp Stop including Pito for a 150mmØ cast iron main)	unit	14		\$
1.5	Insert stiffeners 3/4"Ø, 304 stainless steel (Ford Insert-51)	unit	100		\$
1.6	Pipe PEHD 3/4" 500 feets long spool of PEHD DR9 19mmØ CTS / Ipex OR901 200 PSI CTS HDPE (500 feet roll)	spool	2		\$
1.7	Curb stop 3/4", 19mmØ, CTS HDPE X 19mmØ, CTS HDPE (no drain) with Pack joint connectors (w/tightening srews) (Ford B44-333-NL)	unit	14		\$
1.8	Frost stop (Adaptor HDPE for curb stop to create a thermal break) / Frost stop from Urecon	unit	14		\$
1.9	2" x 6" x 8' Treated wood timber to put under curb stop	unit	3		\$
1.10	Complete telescopic 1" Curb Stop service box for a +/- 6 feet burried curb stop valve (Fonderie Laroche Z-112), including stainless steel stationary rod and curb box lid equipped with adjustment screw (Fonderie Laroche Z-264)	unit	14		\$
1.11	Curb stop box repair coupling w/ two set screws (Fonderie Laroche Z-156)	unit	8		\$



6 New Lots Service Connections

Project name
6 New Lots Service Connections

Project no	
CIMA+ : Q182545A-120	
Revision	
0	2019-03-01

Art.	Description	Unit	Qty	Unit price	Total
1.12	Carrying Pipe 40 ft Long section of 100mmØ HDPE DR17 preinsulated pipe (+/- 40 ft per service connection) / Preinsulated pipe from Urecon (50mm polyurethane covered with 1,27 mm PE tape	feet	400		\$
1.13	Electro fusion joint, Electrofusion coupling 100mmØ for HDPE / IntegriFuse coupling	unit	10		\$
1.14	Insulation shell, insulation shell for 100 mmØ HDPE joint insulation /Urecon Insulation kit 2" thick 18 " long with installation accesories	kit	8		\$
1.15	Protection layer, Hand roll PE tape (self adhesive) / 100 ft long x 6" wide rolls	unit	6		\$
1.16	Heat shrink 300 mm wide 100' roll (Urecon or equiv.)	roll	1		\$
1.17	Insulation foam, Portafoam kit #600 containing +/- 50 cubic foot of insulation	unit	3		\$
1.18	Heating cable, Self limiting heating cable 3 W/ft @ 10°C (120V) to do a back and forth (+/- 85ft /unit) / BSX 3-1 from Thermon (500' spool)	spool	1		\$
1.19	Alluminium tape, Roll of 2" wide 180' long alluminium tape to attach Heating cable on accessories at curb stop and connection to the main to ensure no foam goes between heating cable and valves/pipes / AL-20H from Thermon	roll	2		\$
1.20	Winter electric tape, PVC all seson-winter electric tape 3/4" X 66' to attach return line, supply line and heating cable every foot.	roll	3		\$
1.21	Termination kit (End of heating cable termination kit) 18 SXG from Thermon	unit	7		\$
	Sub-total Water Service Connection				\$



6 New Lots Service Connections

Project name
6 New Lots Service Connections

Project no	
CIMA+ : Q182545A-120	
Revision	
0	2019-03-01

Art.	Description	Unit	Qty	Unit price	Total
2.0	Domestic Service Connection				
2.1	Sewer service line PVC - DR-35 Ø125 mm / Pre-insulated pipe (50 mm insulation)	m	150		\$
2.2	PVC Tee for service line connection PVC DR35 Ø250 mm x Ø250 mm x Ø125 mm w/ gaskets	unit	8		\$
2.3	Elbow 22° for PVC DR35 Ø125mm w/ gaskets	unit	10		\$
2.4	Elbow 45° for PVC DR35 Ø125mm w/ gaskets	unit	10		\$
2.5	End cap for PVC DR35 Ø125mm w/ gaskets	unit	8		\$
2.6	PVC pipe lubricant (IPEX, 11 kg)	unit	2		\$
	Sub-total Domestic Service Connection				\$
3.0	Transportation				
3.1	Maritime packaging, shipping and transportation fees to Whapmagoostui. ALL MATERIAL MUST BE PACKAGED AND CLEARLY IDENTIFIED "6 LOTS" ON EACH PACKAGING UNIT	lump	1		\$
3.2	Land transportation from Whapmagoostui dock to stocking site	lump	1		\$
	Sub-total Transportation				\$
	TOTAL 6 NEW LOTS				\$



2019 ENCHUKW SANITARY SEWER (PLANS C01 - C02)

MATERIAL LIST FOR TENDER (2019-03-11)

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)	30	unit	\$	\$
1.1.2	Plywood sheet 4' x 8' x 1/4"	20	unit	\$	\$
1.1.3	Portable Foaming Generator (Portafoam kit), min. density 30 kg/cu.m., 600 board feet (1,42 m ³)	5	unit	\$	\$
	TOTAL - GENERALITY :				\$
2.0	Sanitary sewer and accessories				
2.1	Ø 250 mm PVC DR35 pre-insulated pipe (50 mm insulation) (Urecon or equiv.)	300	m	\$	\$
2.2	Ø 250 mm x Ø 250 mm x Ø 125 mm PVC monolithic Tee coupling for PVC DR35	20	unit	\$	\$
2.3	Ø 250 mm x Ø 250 mm x Ø 150 mm PVC monolithic Tee coupling for PVC DR36	6	unit	\$	\$
2.4	Ø 125 mm PVC DR35 pre-insulated pipe for service connection pre-insulated pipe (50 mm insulation) (Urecon or equiv.)	292	m	\$	\$
2.5	Ø 150 mm PVC DR35 pre-insulated pipe for service connection pre-insulated pipe (50 mm insulation) (Urecon or equiv.)	132	m	\$	\$
2.6	PVC DR-35 pipe reducer - female Ø100 mm x male Ø125 mm (with gaskets)	10	unit	\$	\$
2.7	PVC DR-35 pipe reducer - female Ø150 mm x male Ø125 mm (with gaskets)	5	unit	\$	\$
2.8	Elbow 22 1/2° for Ø 125 mm PVC DR35 pipe	25	unit	\$	\$
2.8	Elbow 22 1/2° for Ø 150 mm PVC DR35 pipe	12	unit	\$	\$
2.9	Elbow 45° for Ø 125 mm PVC DR35 pipe	25	unit	\$	\$
2.9	Elbow 45° for Ø 150 mm PVC DR35 pipe	12	unit	\$	\$



2019 ENCHUKW SANITARY SEWER (PLANS C01 - C02)

MATERIAL LIST FOR TENDER (2019-03-11)

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL
<u>2.4</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>				
2.4.1	Manhole RD-01, 1200 mm Ø	1	unit	\$	\$
2.4.2	Manhole RD-02, 1200 mm Ø	1	unit	\$	\$
2.4.3	Manhole RD-03, 1200 mm Ø	1	unit	\$	\$
2.4.4	Manhole RD-04, 1200 mm Ø	1	unit	\$	\$
2.4.5	Manhole RD-05, 1200 mm Ø	1	unit	\$	\$
2.4.6	Cast iron frame, guide frame and cover for Ø 900 mm manhole; Fonderie Laperle C-50 MS Autostable 775 mm bearing the mention "Sewer"	6	unit	\$	\$
2.4.6	Insulated manhole removable opening cover Ø 900 mm	7	unit	\$	\$
<u>2.5</u>	<u>Ø 300 mm Manhole Baffles (including installation kits)</u>				
2.5.1	RD-02 - Baffle #1 - 1,8 m long (with installation kit)	1	unit	\$	\$
2.5.2	RD-02 - Baffle #2 - 2,0 m long (with installation kit)	1	unit	\$	\$
2.5.3	RD-03 - Baffle #1 - 2,8 m long (with installation kit)	1	unit	\$	\$
2.5.4	RD-03 - Baffle #2 - 3,1 m long (with installation kit)	1	unit	\$	\$
2.5.5	RD-03 - Baffle #3 - 2,8 m long (with installation kit)	1	unit	\$	\$
2.5.6	RD-05 - Baffle #1 - 2,7 m long (with installation kit)	1	unit	\$	\$
2.5.7	RD-05 - Baffle #2 - 2,5 m long (with installation kit)	1	unit	\$	\$
	TOTAL - SANITARY SEWER & ACCESSORIES :				\$
3.0	Transportation				
3.1	Maritime packaging, shipping and transportation fees to Whapmagoostui. MATERIAL MUST BE PACKAGED AND PROPERLY IDENTIFIED RELATIVELY TO THE STREET IT BELONGS TO. USE THE STREET ABBREVIATIONS PROVIDED ABOVE FOR PACKAGING IDENTIFICATION.			Lump	\$
3.2	Land transportation from Whapmagoostui dock to stocking site			Lump	\$
	TOTAL-TRANSPORTATION				\$
	TOTAL- ENCHUKW SANITARY SEWER				\$