

## SCHEDULE 9

### MILESTONE CRITERIA AND MILESTONE PAYMENTS

#### SECTION A GENERAL

##### A1. Capitalized Terms

A1.1 Capitalized terms used in this Schedule 9 have the meanings set out in the Design Build Agreement, unless otherwise expressed in this Schedule 9.

##### A2. Definitions

A2.1 In this Schedule 9, the following terms have the meanings as described:

- (a) **“Milestone Criteria”** means, in respect of a Milestone listed in Section B1.1, the criteria, performance, or conditions to be met in order to achieve a Milestone Certificate; and
- (b) **“Milestone Payment”** means, in respect of a Milestone listed in Section B1.1, the portion of the Contract Price attributable to that Milestone as set out in Section D1.1, payable in accordance with Section H of the Design Build Agreement;

#### SECTION B MILESTONES

##### B1. General

B1.1 The Milestones are listed as follows:

- (a) Milestone 1 – Project Initialization;
- (b) Milestone 2 – 30% Design Submittal;
- (c) Milestone 3 – 60% Design Submittal;
- (d) Milestone 4 – IFC Submittal;
- (e) Milestone 5 – Site Mobilization;
- (f) Milestone 6 – Area H: Excavation and Below Ground Concrete for the RSPS;
- (g) Milestone 7 – Area Y: Interceptors and Shafts;
- (h) Milestone 8 – Area H: Piles, Structures, and Building;
- (i) Milestone 9 – Area H: Major Process Equipment;
- (j) Milestone 10 – Area H: Process and Mechanical Equipment and Piping Systems;

- (k) Milestone 11 – Area H: Electrical, Instrumentation and Automation;
- (l) Milestone 12 – Area H: Medium Voltage Equipment;
- (m) Milestone 13 – Area G: Standby Power Facility;
- (n) Milestone 14 – Area Y: Site Electrical;
- (o) Milestone 15 – Area Y: Site Civil;
- (p) Milestone 16 – Systems Operational Testing Completion;
- (q) Milestone 17 – Substantial Completion;
- (r) Milestone 18 – Final Completion; and
- (s) Milestone 19 – Acceptance.

## **B2. Milestone Deficiencies**

- B2.1 For Milestones 1 through 4, the Milestone will be paid in full by the City to the Design Builder, subject to any adjustments as set out in the DBA, provided all Deficiencies have been documented on the Deficiency List.
- B2.2 For Milestones 5 through 16, the Milestone Payment will be paid in full by the City to Design Builder, subject to any adjustments as set out in the DBA, and the following criteria:
  - (a) the total value of Deficiencies does not exceed 1% of the value of the Milestone Payment, as determined by the Independent Certifier; and
  - (b) the value of the Deficiencies from each previous Milestones does not exceed 0.1% of the value of each of those previous Milestone Payments, as determined by the Independent Certifier.
- B2.3 For clarity, for Milestones 5 through 16, the Milestone Payment will not be paid at all by the City to Design Builder if the criteria in Section B2.2 are not met.
- B2.4 For Milestone 17, the Milestone Payment will be paid in full by the City to Design Builder, subject to any adjustments as set out in the DBA, less the Deficiencies Holdback pursuant to Section F3 of the DBA, if applicable, provided all Deficiencies have been documented on the Deficiency List.
- B2.5 For Milestones 18 and 19, the Milestone Payment will be paid in full by the City to Design Builder, subject to any adjustments as set out in the DBA, provided no Deficiencies are outstanding.

## **B3. Order of Milestones**

- B3.1 Although the Milestones listed in Section B1.1 generally follow a sequential order, it is not intended that the Milestones must be completed in the order listed.

**B4. Change Orders**

B4.1 In addition to the Milestone Criteria for each Milestone listed in Section C, the Milestone Criteria may include any applicable Change Order in accordance with Schedule 17 – Change Orders.

**B5. Cash Allowances**

B5.1 Refer to Section D12 of the DBA for how payment of cash allowances is coordinated with Milestone Payments.

**SECTION C MILESTONE CRITERIA**

**C1. Milestone 1 – Project Initialization**

C1.1 This Milestone is not subject to Warranty Holdback.

C1.2 The intent of this Milestone is to reimburse the Design Builder for some of the costs incurred in the initialization of the Project.

C1.3 The following Milestone Criteria shall be satisfied to achieve a Milestone Certificate:

- (a) the Works for this Milestone was completed in accordance with Schedule 18 – Technical Requirements;
- (b) Design Builder has provided evidence of payment, as applicable, of the Proposal Submission Fee to all eligible unsuccessful Proponents in accordance with Section H8 of the Design Build Agreement;
- (c) all Contract Security requirements as set out in Schedule 16 – Contract Security and Labour and Material Payment Bond have been met;
- (d) the Independent Certifier Agreement has been executed as per Schedule 10 – Independent Certifier Agreement;
- (e) the Referee Agreement has been executed as per Schedule 20 – Referee Agreement;
- (f) all requirements for the Document Management System have been met as set out in Schedule 13 – Document Management System, including all training and access requirements;
- (g) submission of the Submittal Schedule as outlined in Schedule 5 – Review Procedure and endorsed “Received” in accordance with Schedule 5 – Review Procedure;
- (h) achieved endorsement of “Received”, in accordance with Schedule 5 - Review Procedure, on each of the following Submittals;
  - (i) Project Management Plan;
  - (ii) Scope Management Plan;

- (iii) Schedule Management Plan;
  - (iv) Cost Management Plan;
  - (v) Resource Management Plan;
  - (vi) Communications Management Plan;
  - (vii) Risk Management Plan;
  - (viii) Procurement Management Plan;
  - (ix) Design Management Plan;
  - (x) Health, Safety and Security Management Plan (first submission);
  - (xi) Design Quality Management Plan;
  - (xii) Document Management Plan; and
  - (xiii) Permitting Management Plan (first submission); and
- (i) certification from the Engineer of Record that the Works for this Milestone was completed in accordance with the Technical Requirements and the Design Builder's Quality Management System.

**C2. Milestone 2 – 30% Design Submittal**

- C2.1 This Milestone is not subject to Warranty Holdback.
- C2.2 The intent of this Milestone is to reimburse the Design Builder for some of the costs incurred in design services for the 30% Design Submittal.
- C2.3 The following Milestone Criteria shall be satisfied to achieve a Milestone Certificate:
- (a) the Works for this Milestone was completed in accordance with Schedule 18 – Technical Requirements;
  - (b) achieved endorsement of “Received”, in accordance with Schedule 5 - Review Procedure, on each of the following Submittals:
    - (i) Commissioning Plan;
    - (ii) Water Management Plan;
    - (iii) Construction Management Plan;
    - (iv) Decommissioning Plan (first submission);
    - (v) Construction Quality Management Plan;
    - (vi) Commissioning Quality Management Plan;

- (vii) Prevention Through Design Plan;
  - (viii) Design Builder's Maintenance Management Plan;
  - (ix) Remediation Management Plan; and
  - (x) Lifecycle Cost Management Plan;
- (c) submission of the complete 30% Design Submittal as outlined in Schedule 18 – Technical Requirements – Appendix 18N – Design Submittal Requirements and endorsed "Received" in accordance with Schedule 5 – Review Procedure; and
- (d) certification from the Engineer of Record that the Works for this Milestone was completed in accordance with the Technical Requirements and the Design Builder's Quality Management System.

**C3. Milestone 3 – 60% Design Submittal**

C3.1 This Milestone is not subject to Warranty Holdback.

C3.2 The intent of this Milestone is to reimburse the Design Builder for some of the costs incurred in design services for the 60% Design Submittal.

C3.3 The following Milestone Criteria shall be satisfied to achieve a Milestone Certificate:

- (a) the Works for this Milestone was completed in accordance with Schedule 18 – Technical Requirements;
- (b) submission of the complete 60% Design Submittal as outlined in Schedule 18 – Technical Requirements – Appendix 18N – Design Submittal Requirements and endorsed "Received" in accordance with Schedule 5 – Review Procedure; and
- (c) certification from the Engineer of Record that the Works for this Milestone was completed in accordance with the Technical Requirements and the Design Builder's Quality Management System.

**C4. Milestone 4 – IFC Submittal**

C4.1 This Milestone is not subject to Warranty Holdback.

C4.2 The intent of this Milestone is to reimburse the Design Builder for some of the costs incurred in design services for the 90% Design Submittal and IFC Submittal.

C4.3 The following Milestone Criteria shall be satisfied to achieve a Milestone Certificate:

- (a) the Works for this Milestone was completed in accordance with Schedule 18 – Technical Requirements;
- (b) submission of the complete 90% Design Submittal as outlined in Schedule 18 – Technical Requirements – Appendix 18N – Design Submittal Requirements

and endorsed “Received” in accordance with Schedule 5 – Review Procedure.

- (c) submission of the complete IFC Submittal as outlined in Schedule 18 – Technical Requirements – Appendix 18N – Design Submittal Requirements and endorsed “Received” in accordance with Schedule 5 – Review Procedure;
- (d) the complete and sealed Issued for Construction Documents have been provided to the City via Schedule 13 – Document Management System; and
- (e) certification from the Engineer of Record that the Works for this Milestone was completed in accordance with the Technical Requirements and the Design Builder’s Quality Management System.

**C5. Milestone 5 – Site Mobilization**

C5.1 Warranty Holdback will be applied by the City for this Milestone.

C5.2 The intent of this Milestone is to reimburse the Design Builder for some of the costs incurred in Mobilization.

C5.3 The following Milestone Criteria shall be satisfied to achieve a Milestone Certificate:

- (a) criteria for Mobilization as set out in Schedule 18 – Technical Requirements have been met;
- (b) Design Builder has completed the temporary construction access in accordance with Section D.5.1 of Schedule 18 – Technical Requirements;
- (c) the Works for this Milestone was completed in accordance with Schedule 18 – Technical Requirements; and
- (d) certificates of insurance, in accordance with Schedule 11 – Insurance Requirements have been submitted and are acceptable to the City.

**C6. Milestone 6 – Area H: Excavation and Below Ground Concrete for the RSPS**

C6.1 Warranty Holdback will be applied by the City for this Milestone.

C6.2 The intent of this Milestone is to reimburse the Design Builder for some of the costs incurred in below grade construction of the dry wells and wet wells for the raw sewage pumping station.

C6.3 The following Milestone Criteria shall be satisfied to achieve a Milestone Certificate:

- (a) the Works for this Milestone was completed in accordance with Schedule 18 – Technical Requirements;
- (b) completion of excavation for the raw sewage pumping station;

- (c) completion of all necessary sheeting, piling, dewatering, groundwater control works and any temporary works for the excavation of the raw sewage pumping station;
- (d) completion of all foundation slabs, concrete walls, grade beams, and wet well benching for the raw sewage pumping station from the bottom of the excavation to finished grade level including hydrostatic testing;
- (e) completion of backfilling works for the raw sewage pumping station from the bottom of the excavation to finished grade level; and
- (f) certification from the Engineer of Record that the Works for this Milestone was completed in accordance with the Technical Requirements, the Final Design, and the Design Builder's Quality Management System.

**C7. Milestone 7 – Area Y: Interceptors and Shafts**

C7.1 Warranty Holdback will be applied by the City for this Milestone.

C7.2 The intent of this Milestone is to reimburse the Design Builder for some of the costs incurred in construction of the interceptor diversion chamber and the interceptor flow diversion shafts as well as the interconnecting piping, whether installed via open-cut excavation or microtunneling.

C7.3 The following Milestone Criteria shall be satisfied to achieve a Milestone Certificate:

- (a) the Works for this Milestone was completed in accordance with Schedule 18 – Technical Requirements;
- (b) completion of excavation for the interceptor junction chamber, flow diversion shafts, tunnel machine launching and retrieval shafts (if required) and pipe trenches (if required);
- (c) completion of all necessary sheeting, piling, dewatering, groundwater control works and any temporary works for the excavation of the interceptor junction chamber, flow diversion shafts, tunnel machine launching and retrieval shafts (if required) and pipe trenches (if required);
- (d) completion of any temporary or permanent works to protect the existing outfall conduit from damage during construction of the interconnecting interceptor piping;
- (e) completion of all foundation slabs, concrete walls, grade beams, and benching for the interceptor junction chamber and flow diversion shafts including hydrostatic testing;
- (f) completion of backfilling works for the interceptor junction chamber, flow diversion shafts and tunnel machine launching and retrieval shafts (if required) and pipe trenches (if required);

- (g) completion of all concrete slabs including floor slabs and intermediate floors for the interceptor junction chamber, and flow diversion shafts, and installation of ladders and staircases, as appropriate;
- (h) installation of interconnecting piping between flow diversion shafts, interceptor junction chamber and raw sewage pumping station wet wells; and
- (i) certification from the Engineer of Record that the Works for this Milestone was completed in accordance with the Technical Requirements, the Final Design, and the Design Builder's Quality Management System.

**C8. Milestone 8 – Area H: Piles, Structures, and Building**

C8.1 Warranty Holdback will be applied by the City for this Milestone.

C8.2 The intent of this Milestone is to reimburse the Design Builder for some of the costs incurred in construction of above grade structures and building for the overall headworks complex including raw sewage pumping station, screening facility, grit removal facility, and various rooms within the complex, and below grade interconnecting access tunnels, including the one that connects Area H to Area M. The intent is that on completion of this Milestone, the structures and building will be enclosed and protected from the weather.

C8.3 The following Milestone Criteria shall be satisfied to achieve a Milestone Certificate:

- (a) the Works for this Milestone was completed in accordance with Schedule 18 – Technical Requirements;
- (b) completion of all piles and pile caps for Area H and access tunnel between Area H and Area M;
- (c) completion of all concrete slabs including floor slabs, intermediate floors and housekeeping pads for Area H and access tunnel between Area H and Area M;
- (d) completion of concrete works for support of raw sewage pumps;
- (e) completion of all concrete columns, beams, drop panels, channels, screen channels, and grit removal tanks for Area H;
- (f) completion of all hand railings for Area H;
- (g) completion of all masonry works for Area H;
- (h) completion of all architectural works including roof assemblies, curtain walls, glazing, doors, interior walls; wall panels, and insulation for Area H and access tunnel between Area H and Area M;
- (i) completion of all lifting equipment such as monorails and bridge cranes for Area H;



- (j) completion of all elevator shaft(s) and stairwells for Area H and access tunnel between Area H and Area M;
- (k) removal of all temporary hoarding for Area H and access tunnel between Area H and Area M; and
- (l) certification from the Engineer of Record that the Works for this Milestone was completed in accordance with the Technical Requirements, the Final Design, and the Design Builder's Quality Management System.

**C9. Milestone 9 – Area H: Major Process Equipment**

C9.1 Warranty Holdback will be applied by the City for this Milestone.

C9.2 The intent of this Milestone is to reimburse the Design Builder for some of the costs incurred in procurement and initial installation of major process equipment, namely the equipment related to the raw sewage pumps, screening, grit removal, and odour control. The intent is that on completion of this Milestone, the equipment will have been incorporated into the Works by anchoring into the concrete structures. Interconnecting piping, electrical, instrumentation and controls are not required for this Milestone. Running of the equipment is not required for this Milestone.

C9.3 The following Milestone Criteria shall be satisfied to achieve a Milestone Certificate:

- (a) the Works for this Milestone was completed in accordance with Schedule 18 – Technical Requirements;
- (b) installation of all the raw sewage pumps and discharge elbows, all levelled and anchored in place;
- (c) installation of all the screens, conveyors, and compactors, all levelled and anchored in place;
- (d) installation of all the grit trays, grit pumps, grit washers, and grit dewatering units, all levelled and anchored in place;
- (e) installation of odour control vessel(s) all levelled and anchored in place, with media installed; and
- (f) certification from the Engineer of Record that the Works for this Milestone was completed in accordance with the Technical Requirements, the Final Design, and the Design Builder's Quality Management System.

**C10. Milestone 10 – Area H: Process and Mechanical Equipment and Piping Systems**

C10.1 Warranty Holdback will be applied by the City for this Milestone.

C10.2 The intent of this Milestone is to reimburse the Design Builder for some of the costs incurred in procurement and installation of process equipment, mechanical equipment and piping systems for Area H and interconnecting access tunnels. The

intent is that on completion of this Milestone, equipment and piping systems will have been incorporated into the Works and connected to the relevant equipment or structure. Electrical, instrumentation and controls are not required for this Milestone. Buried yard piping is not required for this Milestone. Running of the equipment is not required for this Milestone.

C10.3 The following Milestone Criteria shall be satisfied to achieve a Milestone Certificate:

- (a) the Works for this Milestone was completed in accordance with Schedule 18 – Technical Requirements;
- (b) installation of all process equipment in Area H not covered by Milestone 9, all levelled and anchored in place;
- (c) installation of all HVAC equipment in Area H and interconnecting access tunnels, including boilers, fans, pumps, air handling units, expansion vessels, make-up tanks, and heat recovery ventilators, all levelled and anchored in place;
- (d) installation of all flow control equipment in Area H including slide gates, weir gates, operators, motorized actuators and stop logs;
- (e) installation and successful pressure testing of all non-buried piping systems in Area H and interconnecting access tunnels including piping, plumbing, flanges, couplings, fittings, flow meters, valves, valve operators, motorized actuators, air release valves, pipe supports, pipe hangers, pipe restraints, pipe racks, ducting and pipe and duct insulation;
- (f) connection of all piping systems in Area H and interconnecting access tunnels to the appropriate structure or equipment, including the major process equipment listed in Milestone 9; and
- (g) certification from the Engineer of Record that the Works for this Milestone was completed in accordance with the Technical Requirements, the Final Design, and the Design Builder's Quality Management System.

**C11. Milestone 11 – Area H: Electrical, Instrumentation and Automation**

C11.1 Warranty Holdback will be applied by the City for this Milestone.

C11.2 The intent of this Milestone is to reimburse the Design Builder for some of the costs incurred in procurement and installation of the electrical, instrumentation and automation equipment and interconnecting cables in Area H. The intent is that on completion of this Milestone, all the electrical, instrumentation and automation equipment and cabling within the Area H buildings will have been incorporated into the Works and connected to the relevant process equipment, mechanical equipment and electrical/controls equipment. Outdoor overhead and buried cabling, 12.47 kV and 4.16 kV transformers, and 4.16 kV equipment are not required for this Milestone. PCS software programming is not required for this Milestone. Running of the equipment is not required for this Milestone.

C11.3 The following Milestone Criteria shall be satisfied to achieve a Milestone Certificate:

- (a) the Works for this Milestone was completed in accordance with Schedule 18 – Technical Requirements;
- (b) installation of all equipment within the electrical rooms serving Area H, including motor control centres, starters, variable frequency drives, line reactors, load filters, breakers, 600 V transformers and UPS system;
- (c) installation of all instrumentation in Area H, including, gas detectors, level sensors and switches, pressure sensors and switches, temperature sensors and switches, vibration sensors and switches, and transmitters;
- (d) installation of all hand switches and push buttons in Area H, including hand/off/remote switches, start/stop switches, forward/reverse switches, emergency stop push buttons;
- (e) installation of local control panels in Area H;
- (f) installation of PCS hardware in Area H;
- (g) installation of fire alarm, security, camera and telephone systems in Area H;
- (h) 4160V, 600V and 120V distribution cabling and wiring in Area H buildings and structures including cable trays and harnesses; and
- (i) lighting within and attached to Area H buildings and structures.
- (j) certification from the Engineer of Record that the Works for this Milestone was completed in accordance with the Technical Requirements, the Final Design, and the Design Builder's Quality Management System.

**C12. Milestone 12 – Area H: Medium Voltage Equipment**

C12.1 Warranty Holdback will be applied by the City for this Milestone.

C12.2 The intent of this Milestone is to reimburse the Design Builder for some of the costs incurred in procurement and installation of the medium voltage equipment including transformers and switchgear. PCS software programming is not required for this Milestone. Running of the equipment is not required for this Milestone.

C12.3 The following Milestone Criteria shall be satisfied to achieve a Milestone Certificate:

- (a) the Works for this Milestone was completed in accordance with Schedule 18 – Technical Requirements;
- (b) installation of 12.47 kV and 4.16 kV transformers including foundation pads;
- (c) 4.16 kV equipment including switchgear; and

- (d) certification from the Engineer of Record that the Works for this Milestone was completed in accordance with the Technical Requirements, the Final Design, and the Design Builder's Quality Management System

**C13. Milestone 13 – Area G: Standby Power Facility**

C13.1 Warranty Holdback will be applied by the City for this Milestone.

C13.2 The intent of this Milestone is to reimburse the Design Builder for some of the costs incurred in construction of the standby power facility. The intent is that on completion of this Milestone, Area G will have been constructed as a complete facility. Running of the standby power facility is not required for this Milestone. PCS software programming is not required for this Milestone.

C13.3 The following Milestone Criteria shall be satisfied to achieve a Milestone Certificate:

- (a) the Works for this Milestone was completed in accordance with Schedule 18 – Technical Requirements;
- (b) completion of all piles and pile caps for Area G;
- (c) completion of all concrete slabs including floor slabs, and housekeeping pads for Area G;
- (d) completion of all masonry works for Area G;
- (e) completion of all architectural works including roof assemblies, curtain walls, glazing, doors, interior walls; wall panels, and insulation for Area G;
- (f) completion of all monorails and bridge cranes (as applicable) for Area G;
- (g) installation of all the engine generators, transfer pumps and diesel tanks all levelled and anchored in place;
- (h) installation of all access ladders and platforms for Area G;
- (i) installation of all HVAC equipment in Area G including fans, unit heaters, air conditioning systems, and heat recovery ventilators, all levelled and anchored in place;
- (j) installation and successful pressure testing of all buried and non-buried piping systems in Area G including piping, plumbing, flanges, couplings, fittings, flow meters, valves, valve operators, motorized actuators, air release valves, pipe supports, pipe hangers, pipe restraints, pipe racks, ducting and pipe/duct insulation;
- (k) installation of all electrical, instrumentation and automation equipment, batteries, building indoor and outdoor lighting, local control panels, cabling, and cable trays;
- (l) installation of PCS hardware in Area G;

- (m) installation of fire alarm, security, camera and telephone systems in Area G;
- (n) removal of all temporary hoarding for Area G; and
- (o) certification from the Engineer of Record that the Works for this Milestone was completed in accordance with the Technical Requirements, the Final Design, and the Design Builder's Quality Management System.

**C14. Milestone 14 – Area Y: Site Electrical**

C14.1 Warranty Holdback will be applied by the City for this Milestone.

C14.2 The intent of this Milestone is to reimburse the Design Builder for some of the costs incurred in procurement and installation of the electrical cabling and equipment in Area Y, i.e. that which is not dedicated to Area E, Area G, Area H, and Area M. The intent is that on completion of this Milestone, all the electrical cabling outside of building and structures, including buried cabling, overhead cabling, conduit, manholes, and pull stations will have been incorporated into the Works. The intent is that on completion of this Milestone that all roadway lighting will have been incorporated into the works. 12.47 kV and 4.16 kV transformers, and 4.16 kV equipment are not required for this Milestone. Operation of the electrical system is not required for this Milestone.

C14.3 The following Milestone Criteria shall be satisfied to achieve a Milestone Certificate:

- (a) the Works for this Milestone was completed in accordance with Schedule 18 – Technical Requirements;
- (b) installation of all electrical cabling between Area E, Area G, Area H, and Area M, including cables, buried conduit, manholes, pull stations, and supports for any overhead cable runs;
- (c) installation of all electrical cabling between medium voltage outdoor transformers and indoor switchgear;
- (d) installation of all street lights, parking lot block heater receptacles, and interconnecting cabling; and
- (e) certification from the Engineer of Record that the Works for this Milestone was completed in accordance with the Technical Requirements, the Final Design, and the Design Builder's Quality Management System.

**C15. Milestone 15 – Area Y: Site Civil**

C15.1 Warranty Holdback will be applied by the City for this Milestone.

C15.2 The intent of this Milestone is to reimburse the Design Builder for some of the costs incurred in civil engineering works that are not related to an Area and which are external to buildings and structures.

C15.3 The following Milestone Criteria shall be satisfied to achieve a Milestone Certificate:

- (a) the Works for this Milestone was completed in accordance with Schedule 18 – Technical Requirements;
- (b) installation of yard piping, channels and conduits including those to the outfall, those from Area C, and those from Area H to Area P, including the related tie-ins;
- (c) installation of potable water piping, flushing water piping, and natural gas piping including the related tie-ins;
- (d) installation of land drainage sewer system including buried storage;
- (e) completion of permanent roadways and parking lots including earthworks, geotextiles, granular material, asphalt, concrete and curb & gutter;
- (f) completion of permanent sidewalks;
- (g) completion of permanent fencing;
- (h) completion of finished grading; and
- (i) certification from the Engineer of Record that the Works for this Milestone was completed in accordance with the Technical Requirements, the Final Design, and the Design Builder's Quality Management System

**C16. Milestone 16 – Systems Operational Testing Completion**

C16.1 Warranty Holdback will be applied by the City for this Milestone.

C16.2 The following Milestone Criteria shall be satisfied to achieve a Milestone Certificate:

- (a) the Works for this Milestone was completed in accordance with Schedule 18 – Technical Requirements;
- (b) all training for Operations Personnel has been completed in accordance with Schedule 18 – Technical Requirements – Appendix 18G – Training Requirements;
- (c) receipt by the Design Builder of the Certificate of Systems Operation Testing Completion all as further detailed in Schedule 18 – Technical Requirements Section E.3.5.10.

**C17. Milestone 17 – Substantial Completion**

C17.1 Warranty Holdback will be applied by the City for this Milestone.

C17.2 The following Milestone Criteria shall be satisfied to achieve a Milestone Certificate:

- (a) the Works for this Milestone was completed in accordance with Schedule 18 – Technical Requirements; and

- (b) issuance of a Substantial Completion Certificate by the Independent Certifier, all as further detailed in Schedule 18 – Technical Requirements Section F.1.

**C18. Milestone 18 – Final Completion**

C18.1 Warranty Holdback will be applied by the City for this Milestone.

C18.2 The following Milestone Criteria shall be satisfied to achieve a Milestone Certificate:

- (a) the Works for this Milestone was completed in accordance with Schedule 18 – Technical Requirements; and
- (b) issuance of a Final Completion Certificate by the Independent Certifier, all as further detailed in Schedule 18 – Technical Requirements Section G.5. and the DBA.

**C19. Milestone 19 – Acceptance**

C19.1 This Milestone is not subject to Warranty Holdback.

C19.2 The following Milestone Criteria shall be satisfied to achieve a Milestone Certificate:

- (a) the Works for this Milestone was completed in accordance with Schedule 18 – Technical Requirements; and
- (b) receipt by the Design Builder of the Certificate of Acceptance, all as further detailed in Section F7 of the DBA.

**SECTION D MILESTONE PAYMENTS**

**D1. General**

D1.1 Milestone Payments are set out in Table 1 and shall be made in accordance with Section H of the Design Build Agreement.

**Table 1 – Milestone Payments**

Milestone	Percentage of Contract Price Less Cash Allowance Amount (%)	Subject to Warranty Holdback	Amount
Milestone 1 - Project Initialization	1.0	No	<b>[NOTE TO PROPONENTS: Values to be populated at Execution]</b>

Milestone	Percentage of Contract Price Less Cash Allowance Amount (%)	Subject to Warranty Holdback	Amount
Milestone 2 – 30% Design Submittal	1.0	No	
Milestone 3 – 60% Design Submittal	1.0	No	
Milestone 4 – IFC Submittal	1.0	No	
Milestone 5 – Site Mobilization	1.0	Yes	
Milestone 6 – Area H: Excavation and Below Ground Concrete for the RSPS	10.0	Yes	
Milestone 7 – Area Y: Interceptors and Shafts	3.0	Yes	
Milestone 8 – Area H: Piles, Structures, and Building	9.0	Yes	
Milestone 9 – Area H: Major Process Equipment	11.0	Yes	
Milestone 10 – Area H: Process and Mechanical Equipment and Piping Systems	7.0	Yes	
Milestone 11 – Area H: Electrical, Instrumentation and Automation	5.0	Yes	
Milestone 12 – Area H: Medium Voltage Equipment	3.0	Yes	
Milestone 13 – Area G: Standby Power Facility	5.0	Yes	
Milestone 14 – Area Y: Site Electrical	6.0	Yes	
Milestone 15 – Area Y: Site Civil	10.0	Yes	
Milestone 16 – Systems Operational Testing Completion	5.0	Yes	
Milestone 17 – Substantial Completion*	15.0	Yes	
Milestone 18 – Final Completion	4.0	Yes	
Milestone 19 – Acceptance	2.0	No	
<b>Total</b>	<b>100%</b>		

\*Also subject to Deficiencies Holdback pursuant to Section F3 of the DBA