

## Appendix R - PCI Columns

### 1. General

- (a) “**PCI Columns**” means the four columns to be constructed by Project Co for the PCI GNW Development, including their associated foundations, as shown indicatively on the GNW Station Scope of Work Drawings provided in Appendix A and per PCI’s conceptual design provided as Disclosed Data.

### 2. PCI Columns Conceptual Design

- (a) PCI has provided a conceptual design drawing of the PCI Columns, which drawing is provided as Disclosed Data. The location of each of the four PCI Columns is shown indicatively on the GNW Station Scope of Work Drawings provided in Appendix A. The conceptual design provided as Disclosed Data details the following:
  - (i) column diameter dimension and length and reinforcement; and
  - (ii) column foundations comprising of pile cap and number of piles (per pile cap) with the pile cap dimensions, pile diameter dimension and its length and its reinforcement.

### 3. PCI Columns Final Design

- (a) PCI will be responsible for completing the final design of the PCI Columns, including final column locations located within the clear zone to be preserved by Project Co as shown on shown on the GNW Station Scope of Work Drawings provided in Appendix A.
- (b) The Province will provide Project Co with PCI’s design drawings of the PCI Columns, which will include an IDR and FDR submission. The Province anticipates that the IDR and FDR submissions will be provided by PCI between November 2021 and February 2022.
- (c) As part of the design consultation meetings described in Article 10.1.3 (Station Design Process) of this Part 2 for the GNW Station and the SG Station with PCI, Project Co shall work cooperatively with PCI, and provide PCI with any construction-related comments regarding PCI’s design of the PCI Columns for consideration by PCI. If PCI elects to revise PCI’s design based on Project Co’s construction input, PCI will issue revised drawings to both the Province and Project Co.
- (d) The Province will cause PCI to provide the Province and Project Co with IFC drawings for the PCI Columns (the “**PCI Columns IFC Drawings**”) by no later than March 31, 2022.

### 4. PCI Columns Construction

- (a) Project Co shall not proceed with construction of the PCI Columns until the Province issues a notice directing Project Co to proceed. If the Province issues a notice to proceed with construction of the PCI Columns then Project Co shall construct the PCI Columns in accordance with the PCI Columns IFC Drawings and the requirements of the Agreement, except as modified by this Appendix.

- (b) Unless otherwise noted and/or modified by the requirements on the PCI Columns IFC Drawings issued by PCI, Project Co shall construct the PCI Columns in accordance with Project Co's Construction Quality Management Plan.
- (c) During Construction of the PCI Columns, Project Co shall direct any site queries related to the PCI Columns to the Province, PCI and PCI's designers.
- (d) PCI will be responsible for design changes or modifications to the PCI Columns IFC Drawings and/or if included PCI's construction specifications, whether resulting from Project Co's site queries and/or changes required by PCI's designers. These design changes or modifications will be formally issued by PCI as a site instruction to the Province, who will forward the site instruction to Project Co with the intent that Project Co undertake the change or modification to the construction of the PCI Columns. If compliance with the site instruction will have an adverse impact on the Project Schedule (including the time for substantial completion of the PCI Columns) or change Project Co's costs to construct the PCI Columns, then the site instruction will be considered a Province Change.
- (e) Project Co shall coordinate with PCI and PCI's designers to allow examination of construction of the PCI Columns. Prior to Project Co commencing construction of the PCI Columns, Project Co shall coordinate with PCI and PCI's designers to confirm hold points for construction of the PCI Columns to allow examination, which hold points shall include inspection of reinforcement in place prior to casting of concrete.

## **5. PCI Columns Substantial and Total Completion**

- (a) As noted in Article 10.19.1(d) of this Part 2, PCI may require early access to part of those parcels of the GNW Development Area as well as to the exterior of GNW Station in order to start construction of the PCI GNW Development. For further details of PCI's access requirements, see the terms and conditions of the Site Requirements. Project Co will be required to substantially complete the PCI Columns by no later than the Substantial Completion Target Date.
- (b) When Project Co believes it has substantially completed the PCI Columns, Project Co shall give written notice to the Province's Representative requesting an inspection. Before or concurrent with such notice, Project Co shall provide the Province and PCI with all Construction related Records Documentation, including all construction quality records related to the PCI Columns, and any redline markups made by Project Co of field changes to the PCI Columns IFC Drawings. PCI will be responsible for creating formal record drawings of the completed PCI Columns based on the redline markups provided by Project Co.
- (c) The Province and Project Co will cooperate to arrange and carry out an inspection of the PCI Columns within 30 Business Days of the date of the notice from Project Co described in Article 5(b) above. If the Province or Project Co identifies any defect or deficiency in the PCI Columns, Project Co will record such defect or deficiency on a deficiency list and provide a copy of such list to the Province's Representative. Project Co will rectify any defect or deficiency as soon as possible.
- (d) Upon total completion of the PCI Columns, including rectification of any defects or deficiencies, Project Co shall provide the Province and PCI with a construction certificate for the PCI Columns in the form provided as Attachment A to this Appendix. The construction certificate shall be signed by Project Co's Representative.

- (e) Notwithstanding the duration of the General Project Defect Warranty Period and the Latent Project Work Defect Warranty Period, Project Co shall, at its own cost and expense, correct to the satisfaction of the Province, acting reasonably, any defect in the construction of the PCI Columns arising during the two year period following the date of total completion of the PCI Columns as indicated on the construction certificate for the PCI Columns.

**ATTACHMENT A TO APPENDIX R**

Certificate Ref. No. [ ]

**CONSTRUCTION CERTIFICATE FOR COMPLETION OF THE PCI COLUMNS**

*Project Agreement between the Province of British Columbia, BC Transportation Financing Authority and [Project Co] dated • (the “Project Agreement”) relating to the Project. Capitalized terms and expressions used in this certificate have the same meanings described in the Project Agreement.*

*Form of Certificate to be used by Project Co and the Designer for certifying completion of the PCI Columns in accordance with Appendix R [PCI Columns] to the Project Agreement.*

**Project Co’s Statement**

1. We certify that the PCI Columns have been constructed and totally completed, in accordance with:
  - (i) the PCI Columns IFC Drawings including any relevant construction specifications, and if applicable any site instructions provided by PCI and issued by the Province; and
  - (ii) Project Co’s Construction Quality Management Plan.

Signed.....

Project Co  
Per: Project Co’s Representative

Name.....

Date.....