



The City of Vaughan  
Procurement Services  
Department  
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## **ADDENDUM NOTICE**

**Addendum #: 1**

**Bid No: T24-253**

**Description: General Contracting Services for New Fire Station 7-12**

**Closing Date: Monday, June 3, 2024 3:00 PM**

**THE additions, deletions and/or revisions as hereinafter specified, shall form an integral part of the bid document and shall be read in conjunction with the requirements set forth in the bid document.**

**THE Addendum shall take precedence over all requirements to the aforementioned information in which it may prove to be at variance.**

### **ADDITION:**

- 1. ADD APPENDIX I – NETWORK INFRASTRUCTURE CABLING STANDARDS TO KEY DETAILS, SECTION 7, LIST OF APPENDICES, PAGE 4:**

Contract Change Order Form

City Invoice Cover Sheet

Appendix A – Terms of Reference

Annex A

Appendix B – Issued for Tender Specification Document

Appendix C – Issued for Tender Drawings set

Appendix D- Fire Station 7-12- Geothermal TC Test

Appendix E - Reference Documents

Appendix F - Contractor Safety Compliance – General Requirements, Pre-Construction Meeting Checklist. Contractors shall perform their duties in accordance with current Health and Safety standards, including the Occupational Health and Safety Act as well as applicable City of Vaughan Corporate policies and procedures

Appendix F.1 - HS 1.5 - Form 9 Notice of Contractor Non-Compliance

Appendix G - Lock Out / Tag Out/ Blocking Equipment Health and Safety  
Procedure

Appendix H - Hot Work Permit Health and Safety Procedure

**Appendix I – Network Infrastructure Cabling Standards**

## **REVISIONS :**

### **1. Affected Sections of the Project Manual**

1. Refer to Section 00 01 10 Table of Contents
  - .1 Insert reference to Section 10 50 30 Turnout Gear Locker – Wall Mounted and Tubular Frame
  - .2 Delete reference to Section 04 22 00 Concrete Masonry Units
2. Refer to Section 00 30 00 – Information Available for Review (2 pages attached)
  - .1 Replace Section in its entirety with Section 00 30 00 issued as part of this Addendum.
  - .2 Reason: Revision to include Functional Servicing and Stormwater Management Report.
3. Insert Section 10 50 30 – Turnout Gear and Locker – Wall Mounted and Tubular Frame (3 pages attached)
4. Refer to Section 04 22 00 Concrete Masonry Units
  - .1 Delete section in its entirety.
5. Refer to Section 08 36 13 – Sectional Overhead Metal Doors (6 pages attached)
  - .1 Replace Section in its entirety with Section 08 36 13 - Sectional Overhead Metal Doors issued as part of this addendum.

## 2. Affected Drawings

1. Replace Drawing A0.2 Exterior & Interior Assembly with revised **Drawing A0.2 Exterior & Interior Assembly bearing revision 27 issued as part of this Addendum** (1 sheet attached).
2. Replace Drawing A2.7 Site Plan & Site Plan General Notes with revised **Drawing A2.7 Site Plan & Site Plan General Notes bearing revision 27 issued as part of this Addendum** (1 sheet attached).
3. Replace Drawing A3.1 Foundation Plan with revised **Drawing A3.1 Foundation Plan bearing revision 27 issued as part of this Addendum** (1 sheet attached).
4. Replace Drawing A3.4 Ground Floor – Window and Wall Layout with revised **Drawing A3.4 Ground Floor – Window and Wall Layout bearing revision 27 issued as part of this Addendum** (1 sheet attached).
5. Replace Drawing A7.1 Building Sections with revised **Drawing A7.1 Building Sections bearing revision 27 issued as part of this Addendum** (1 sheet attached).
6. Replace Drawing A7.2 Building Sections with revised **Drawing A7.2 Building Sections bearing revision 27 issued as part of this Addendum** (1 sheet attached).
7. Replace Drawing A7.3 Building Sections with revised **Drawing A7.3 Building Sections bearing revision 27 issued as part of this Addendum** (1 sheet attached).
8. Replace Drawing A8.1 Section Details with revised **Drawing 8.1 Section Details bearing revision 27 issued as part of this Addendum** (1 sheet attached).
9. Replace Drawing A8.3 Section Details with revised **Drawing 8.3 Section Details bearing revision 27 issued as part of this Addendum** (1 sheet attached).
10. Replace Drawing A8.4 Section Details with revised **Drawing 8.4 Section Details bearing revision 27 issued as part of this Addendum** (1 sheet attached).

## **QUESTIONS AND ANSWERS:**

### **Question 1:**

Structural drawing S1-01 shows top of slab as 225.70m. S1-02 shows u/s of footings to be 221.10m, leaving the foundation to be over 4 meters deep. Please confirm this is correct.

### **Answer 1:**

**U/S of footing is noted as 222.1m. Refer to Structural Addendum #1 issued as part of this Addendum.**

### **Question 2:**

Question from BAS Contractor,  
Ref: Section 25 90 00, page 9/40

Please confirm the approved list of contractors for BAS. Sections 1.10, 2.2.1, 2.1.5 contradict each other.

### **Answer 2:**

**Building Management System contractor shall be a Schneider Electric Authorized Dealer and provide documentation confirming their status as a Schneider Electric Authorized Dealer. Refer to Mechanical Addendum #1 issued as part of this Addendum.**

### **Question 3:**

1. The site plan (A2.7) shows the concrete sidewalk SW-1 and the south existing landscape areas as the same hatch layer. Please review and revise this accordingly.

2. The site plan (A2.7) includes for a light duty asphalt makeup which is the same as the heavy-duty asphalt. There is no light duty asphalt noted on the drawing. Please review and confirm.

### **Answer 3:**

**1.The same hatch is to indicate an existing condition. The extent of new sidewalk SW-1 at south-west of the site is adjusted. Notation is revised to “existing sidewalk” for clarification. Refer to drawing 4/A2.7 bearing revision 27.**

**2. Light duty asphalt is not in the project. Light duty asphalt make up is deleted from detail 3/A2.7 bearing revision 27.**

**Question 4:**

1. Spec section 31-23-10, 3.8.3 states to backfill all trenches (site services) with granular B material. Section 4.10.2 of the geotechnical report states that on-site native fill can be used for backfilling of trenches. Please confirm if we are to follow the instructions in the specifications for this or otherwise.

2. Section 4.2.1 of the geotechnical report states it is recommended to excavation an additional 1.0m depth below the underside of footing elevation and build a granular pad below the footings. There is no mention of this in the spec or the structural drawings. Please confirm if this is required or if we are to follow only the structural drawings for the excavation of all footings to elevation 221.10 as noted.

**Answer 4:**

**1. Regarding the use of on-site material for backfilling trenches, this can be directed by the Geotechnical representative upon review to confirm the suitability of the material.**

**2. This information has been provided in Note 1 under Site Preparation Notes for Slab-on-Grade (Within Building Envelope) on drawing S1-01 issued in the Tender.**

**Question 5:**

Structural drawings show rigid insulation (S2-03) only on exterior face of the foundation walls. However, arch drawings show rigid insulation on both interior and exterior sides of the concrete wall (A7.1, A7.2). Please clarify.

**Answer 5:**

**Refer to revised Drawings A3.1 – Foundation Plan, A7.1 – Building Section, A7.2 – Building Section, and A7.3 - Building Section bearing revision 27 for rigid insulation extents at the foundation walls issued as part of this Addendum.**

**Question 6:**

Could you provide expected start and complete times for this project?

### **Answer 6:**

**Refer to T24-253 - Appendix A TOR – Project Schedule- Page 3**

### **Question 7:**

Ref: Unit pavers - Drawing 4/L200.

Can you please specify what the make, model, color and thickness of the required paver is?

### **Answer 7:**

**The unit pavers shall be:**

**Permeable Precast Concrete Unit Paving**

**Manufacturer: Unilock**

**Model: Eco-Priora**

**Size: 240x120x80**

**Colour: Opal Blend**

**Pervious Opening: 12%**

**Pattern: Pattern 'E'**

### **Question 8:**

Question from site services contractor.

Can you provide Stormwater Management Report if there was one done for this project.

### **Answer 8:**

**A Functional Servicing and Stormwater Management Report is issued as part of this Addendum.**

### **Question 9:**

Ref: Division 33 44 16 - Precast Trench drain systems. - Proposed alternative.

Question from NorthStar Industries;

We are pleased to submit our best estimate and pricing for the Trench drain requirement on the above project, we are proposing an alternative to the specified products. Our well-known brand Ulma MultiV200+ 8" wide channel paired with E load Slotted HDG ductile iron grate. Our Trench system stands out amongst others due to high quality + durability, easy maintenance, Optimized self cleaning 'V' shaped channels with anti theft locking mechanism, the entire system saves you time and money with right amount of water intake Capacity. We have no issues

when it comes to stock availability, Delivery time and technical support. Our In-house Engineer would provide you with shop drawings for final approval prior to shipping.

Kindly note: As per the area of application we recommend using 8" wide system. In addition the specification mentions 2 different style of channels and grates.

Will you consider this alternative?

### **Answer 9:**

**Based on the information submitted, this product would be eligible for substitution. It should be submitted by the successful bidder in accordance with Section 01 25 00 Product Substitution Procedures and Section 01 25 01 Substitution Request Form.**

### **Question 10:**

Please provide section details for CLT3 Deck.

### **Answer 10:**

**Refer to revised Drawings A0.2 – Exterior & Interior Assemblies bearing revision 27 for section assembly for CLT 3 issued as part of this Addendum.**

### **Question 11:**

Question from cladding contractor,

Is it possible to quote the wall assembly for ACM using z bars with plastic shims instead of the thermal clips? this solution is less expensive than using thermal clips and it's also thermally broken. Please advise

### **Answer 11:**

**The purpose of this tender, the suggested use of z-bars and plastic shims are not acceptable. The thermal clip specified is to be used.**

### **Question 12:**

Questions from communications contractor.

1. Please advise communications cabling type including preferred or mandatory manufacturer if applicable
2. Please advise communications racking requirements

3. Please advise communications backbone requirements
4. Please advise communications patching requirements

### **Answer 12:**

Refer to the attached Cabling Standard (Appendix I - Network Infrastructure Cabling Standards) - Additionally, a 2 x 4" / 102 mm conduit from DMARC to property line meet me point for carrier services is required.

### **Question 13:**

04 22 00 Concrete Masonry Units couldn't be found in the drawing, please confirm if this project is bricks only

### **Answer 13:**

There are no Concrete Masonry Units in the project. Delete specification Section 04 22 00 Concrete Masonry Units.

### **Question 14:**

Could you please answer my questions:

I have an OHD in sectional door schedule 136B - Garbage Door- NOT Glazed But in sectional door specifications 08 36 13, it says Aluminum A175A clear sealed glazing and solid kick bottom section which are totally different.

Please advise which other overhead doors require glazing?  
Please let me know if this schedule and the specification that are attached belong to each other or not. please clarify!

### **Answer 14:**

With the exception of the four-fold doors, no overhead doors require glazing. The sectional door is an insulated panel, not glazed. Refer to Specification Section 08 36 13 issued as part of this Addendum.

### **Question 15:**

Please provide details for Bunker Gear Lockers (TURNOUT GEAR LOCKERS - 24 INCH WIDTH)



## Answer 15:

Refer to Specification Section 10 50 30 – Turnout Gear and Locker – Wall Mounted and Tubular Frame issued as part of this Addendum.

**THIS Addendum shall be acknowledged in the spaces provided online, stating that "I have reviewed the addendum".**

THIS Addendum has been issued by the City of Vaughan and is in effect as of the addendum issue date.

Procurement Services Department

City of Vaughan

**Network Infrastructure Cabling Standards**

<b>Rack Items</b>	
<b>Part Number</b>	<b>Description</b>
CTCWH-4428-DDSO-B	Cable Talk 21 U wall-mount rack
CTC-FA-1	Fan Kit
AX101458	48-port MDVO patch panel for CAT6 standard or better

**1. Cabling standard****a. Ethernet**

- i. Cabling should be compliant to CAT6 standard or better
- ii. Any cable in the rack or cabinet shall be terminated on patch panel, with no exceptions
- iii. Cabling connected to the hardwired device can be terminated directly to device (Closed Circuit Television [CCTV] Camera, outdoor wireless access point)
- iv. Patch panel shall be Belden MDVO type.
- v. MDVO connectors or passthrough modules can be used
- vi. Patch cord shall be minimal required length
- vii. Total length of the cabling, including patch cords should not exceed 100m/300ft
- viii. All newly installed cables shall be tested and certified to be compliant with the standard using (DSX2-5-IE-K1 Cable Analyzer) or equivalent and report in pdf form to be provided to the City of Vaughan – Office of the Chief Information Officer (OCIO)

**b. Fiber Optic**

- i. Internal fiber shall be minimum of 6 strands.
- ii. Armored fiber shall be used where there is potential of external damage or excessive bending
- iii. Fiber shall be compliant to OM4 standard
- iv. Fiber shall be terminated on dedicated fiber patch panels with LC connectors
- v. Fiber shall be tested and certified to meet the specification standards

**2. Pathways****a. Internal Pathways**

- i. Ducts hub room to hub room shall be min of 2x4 in (102mm)
- ii. Ducts shall use sweep bends suitable for fiber cable
- iii. Distributed ducts shall be placed from hub room to the room where the service will be terminating
- iv. Ducts shall be in use in any wall with Registered Jack 45 (RJ45) outlets
- v. Size of the duct shall be based on 25% of maximum fill for cable type
- ix. No other cabling shall be placed in network ducts without prior approval from the Office of the Chief Information Officer (OCIO)