



## Addendum No. 2

### City of Coquitlam Tender 84495-1 Austin Heights Sewer Upgrade – Phase 1 (Consists of 11 Pages)

Issue Date: February 21, 2023

Tenderers shall note the following changes:

#### **REVISIONS:**

##### **1. Refer to: Form of Tender**

REMOVE: **Appendix 1**

REPLACE with: ***Revised - Appendix 1 - Revision No. 1***

##### **2. Refer to: Supplementary Specifications**

REMOVE: Section 03 30 20S (Concrete Walks, Curbs, and Gutters)

REPLACE with: Section 03 30 20S (Concrete Walks, Curbs, and Gutters)  
(Page ADD 2-7)

##### **3. Refer to: Supplementary Specifications**

REMOVE: Section 03 30 53 (Cast-in-Place Concrete)

REPLACE with: Section 03 30 53 (Cast-in-Place Concrete)  
(Page ADD 2-8)

##### **4. Refer to: Supplementary Specifications**

REMOVE: Section 31 11 01S (Clearing and Grubbing)

REPLACE with: Section 31 11 01S (Clearing and Grubbing)  
(Page ADD 2-9)

##### **5. Refer to: Supplementary Specifications**

REMOVE: Section 33 30 01S (Sanitary Sewers)

REPLACE with: Section 33 30 01S (Sanitary Sewers)  
(Pages ADD 2-10 to ADD 2- 11)

##### **6. Refer to: Supplementary Specifications, Section 31 23 01S**

REMOVE: Clause 1.10.11

**7. Refer to: Supplementary Electrical Specifications (Pages ADD 1-58 to ADD 1-83)  
Section 26 05 00 (Common Work Results: Electrical Systems)**

REMOVE: Clause 1.29.3 (Measurement & Payment)  
 REPLACE with: Revised Clause 1.29.3 (Measurement & Payment) as follows:  
 Payment for supply and installation of all conduits will be made on the length of conduit installed and includes saw cutting pavement, trench excavation, disposal of surplus excavated materials, bedding, supply and installation of all conduit, bolts, imported backfill as shown on the Drawings, cleaning, all surface restoration as specified under Section 31 23 01 – Excavating, Trenching and Backfilling – 3.6, except permanent pavement restoration, and all other work and materials necessary to complete the installation as shown on the Drawings and specified under this section.

**CONTRACTOR QUESTIONS AND CLARIFICATIONS:**

- Q1) Please clarify the extents of the “re & re” plantings?  
**A1) All plants/landscaping disturbed due to construction or related activities will be reinstated**
- Q2) The Soil Analysis state that borehole BH21-1 along Rochester Avenue has a high value of chloride contamination, however, there's no mention in the tender pay items about soil contamination, can we factor in the cost of testing, hauling and dumping of this contaminated soil in our pipe excavation? What about other areas that doesn't have a contamination, like those inside the properties as shown on the drawings? Please clarify.  
**A2) The intent is to use native excavated material as backfill. Any excavated material not suitable for backfilling will be removed/disposed of, and replaced by import gravel as per Schedule of Quantities.**
- Q3) Who will be responsible for carrying out pre-construction assessment of nearby houses?  
**A3) City will arrange a pre-condition assessment for houses within close proximity to the sewer installation work in the Right of Way.**

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***End of Addendum No. 2***

Tenderers shall take into account the content of this Addendum in the preparation and submission of the Tender which will form part of the contract and should be acknowledged on the Tender form where indicated.

Upon submitting a Tender, Tenderers will be deemed to have received all addenda and considered the information for inclusion in the Tender submitted.

*Issued by:*

M. Pain  
 Purchasing Manager  
 Email: [bid@coquitlam.ca](mailto:bid@coquitlam.ca)

**Revised - Appendix 1 - Revision No 1**

**FORM OF TENDER**

**Contract 84495-1**

**Austin Heights Sewer Upgrade – Phase 1**

**SCHEDULE OF QUANTITIES AND PRICES**

(see paragraph 5.3.1 of the Instruction to Tenderers)

(All prices and quotations including the Contract Prices shall Exclude GST)

(Should there be any discrepancy in the information provided, the City's original file copy shall prevail)

<b>Option 1 (Rochester Avenue and the ROW East of Goyer Court)</b>						
<b>Item No.</b>	<b>MMCD Spec No(s). (Clause)</b>	<b>Description of Work</b>	<b>Unit</b>	<b>Est. Qty.</b>	<b>Unit Price</b>	<b>Total Price</b>
<b>1.00</b>	<b>01 55 00S</b>	<b>TRAFFIC CONTROL, VEHICLE ACCESS AND PARKING</b>				
1.01	1.5.1	Traffic Control and Management	INCIDENTAL		INCIDENTAL	
<b>2.00</b>	<b>01 58 01S</b>	<b>PROJECT IDENTIFICATION</b>				
2.01	( 1.3.1 )	Construction Zone Information Signs	Each	4		
2.02	(1.3.2)	Changeable Message Signs (two nos.)	Month	2		
<b>3.00</b>	<b>03 30 53</b>	<b>CAST-IN-PLACE CONCRETE</b>				
3.01	(1.5.2)	Remove and Reinstate Existing Concrete Retaining Wall (1418 Dalton Ct)	Lump Sum	1		
<b>4.00</b>	<b>03 40 01S</b>	<b>PRECAST CONCRETE</b>				
4.01	(1.4.6)	Remove and Reinstate Existing Concrete/Allan Block Retaining Wall (1416 Dalton Ct)	Lump Sum	1		
<b>5.00</b>	<b>26 05 00S (Appendix D)</b>	<b>ELECTRICAL</b>				
5.01	1.29.1	BC Hydro Services	Lump Sum	1		
5.02	1.29.2	Supply and Install Flowmeter Kiosk and associated works	Lump Sum	1		
5.03	1.29.3	53mm RPVC Conduit	Linear Metre	30		
5.04	1.29.3	75mm RPVC Conduit	Linear Metre	20		
<b>6.00</b>	<b>31 11 01S</b>	<b>CLEARING AND GRUBBING</b>				
6.01	(1.4.1)	Clearing and grubbing	Lump Sum	1		
<b>7.00</b>	<b>31 23 01S</b>	<b>EXCAVATING, TRENCHING AND BACKFILLING</b>				
7.01	(1.10.3)	Over Excavation (PROVISIONAL)	Cubic Metre	150		
7.02	(1.10.4)	Remove and dispose existing AC sanitary main	Lineal Metre	124		
7.03	(1.10.9)	Imported Trench Backfill (75mm Minus) (Provisional)	Tonne	500		
<b>8.00</b>	<b>31 23 17</b>	<b>ROCK REMOVAL</b>				
8.01	1.6.4	Rock Removal (PROVISIONAL)	Cubic Metre	10		
<b>9.00</b>	<b>31 24 13S</b>	<b>ROADWAY EXCAVATION, EMBANKMENT AND COMPACTION</b>				
9.01	(1.8.5)	Common Excavation including Off Site Disposal (PROVISIONAL)	Cubic Metre	150		
<b>10.00</b>	<b>32 01 16.7S</b>	<b>COLD MILLING</b>				

10.01	(1.5.4)	35mm Surface Milling	Square Metre	220		
<b>11.00</b>	<b>32 12 16S</b>	<b>HOT-MIX ASPHALT CONCRETE PAVING</b>				
11.01	(1.5.1)	Trench Patching (35mm - Upper Course #1)	Square Metre	220		
<b>12.00</b>	<b>32 31 13</b>	<b>CHAIN LINK FENCE AND GATES</b>				
12.01	1.5.3	Remove & Replace wood fence including new wooden posts as required (Provisional)	Lineal Metre	80		
<b>13.00</b>	<b>32 93 01S</b>	<b>PLANTING OF TREES, SHRUBS, AND GROUND COVERS</b>				
13.01	(1.9.1)	Remove and Replace Planting - disturbed during construction	Lump Sum	1		
<b>14.00</b>	<b>33 30 01S</b>	<b>SANITARY SEWERS (S01-S05)</b>				
14.01	(1.6.2)	Supply and Installation of 450mm PVC SDR35 (2-4.0m depth) (S09-S07)	Lineal Metre	98		
14.02	(1.6.2)	Supply and Installation of 450mm PVC SDR35 (2-4.0m depth) (S07-S06)	Lineal Metre	25		
14.03	(1.6.2)	Supply and Installation of 450mm PVC SDR35 (4-5.0m depth)	Lineal Metre	67		
14.04	(1.6.2)	Supply and Installation of 450mm PVC SDR35 (5-6.0m depth)	Lineal Metre	12		
14.05	(1.6.3)	Sanitary Service Connection, 100mm PVC SDR28	Lineal Metre	6		
14.06	(1.6.7)	Tie-in Existing 200mm sanitary main - north inlet to S09	Each	1		
14.07	(1.6.7)	Tie-in Existing 200mm sanitary main - east inlet at S08	Each	1		
14.08	(1.6.7)	Tie-in Existing 250mm sanitary main - west inlet at S08	Each	1		
14.09	(1.6.7)	Tie-in Existing 200mm sanitary main - east inlet at S06	Each	1		
14.10	(1.6.7)	Tie-in Existing 200mm sanitary main - north inlet at S04	Each	1		
<b>15.00</b>	<b>33 44 01S</b>	<b>MANHOLE AND CATCH BASINS</b>				
15.01	(1.5.1.1)	1050mm Pre-benched Gasketed Manhole Base, Lid, Frame and Cover	Each	7		
15.02	(1.5.1.1)	1050mm Pre-benched Gasketed Manhole Base, Lid, Frame and Cover (Flow Monitoring Mahhole)	Each	1		
15.03	(1.5.1.2)	1050mm Manhole Vertical Risers	Each	30		
15.04	(1.5.1.1)	1500mm Overbuild Gasketed Manhole Base, Lid, Frame and Cover	Each	1		
15.05	(1.5.1.2)	1500mm Manhole Vertical Risers	Each	6		
15.06	(1.5.4)	Removal and Disposal of Existing Manholes	Each	4		
<p style="text-align: right;"><b>Option 1 - Total Tendered Price (exclude GST): \$</b> _____ (Transfer the Option 1 total amount to Form of Tender Summary Page 1)</p>						

<b>Option 2 (Rochester/Schoolhouse/Dalton Court to the top of Madore Avenue)</b>						
Item No.	MMCD Spec No(s). (Clause)	Description of Work	Unit	Est. Qty.	Unit Price	Total Price
<b>1.00</b>	<b>01 55 00S</b>	<b>TRAFFIC CONTROL, VEHICLE ACCESS AND PARKING</b>				
1.01	1.5.1	Traffic Control and Management	INCIDENTAL		INCIDENTAL	
<b>2.00</b>	<b>01 58 01S</b>	<b>PROJECT IDENTIFICATION</b>				

2.01	( 1.3.1 )	Construction Zone Information Signs	Each	4		
2.02	(1.3.2)	Changeable Message Signs (two nos.)	Month	2		
<b>3.00</b>	<b>03 40 01S</b>	<b>PRECAST CONCRETE</b>				
3.01	(1.4.6)	Remove and Reinstate Existing Concrete/Allan Block Retaining Wall (1416 Dalton Ct)	Lump Sum	1		
3.02	(1.4.6)	Remove and Reinstate Existing Concrete/Allan Block Retaining Wall (1421 Dalton Ct)	Lump Sum	1		
<b>4.00</b>	<b>26 05 00S (Appendix D)</b>	<b>ELECTRICAL</b>				
4.01	1.29.1	BC Hydro Services	Lump Sum	1		
4.02	1.29.2	Supply and Install Flowmeter Kiosk and associated works	Lump Sum	1		
4.03	1.29.3	53mm RPVC Conduit	Linear Metre	30		
4.04	1.29.3	75mm RPVC Conduit	Linear Metre	20		
<b>5.00</b>	<b>31 11 01S</b>	<b>CLEARING AND GRUBBING</b>				
5.01	(1.4.1)	Clearing and grubbing	Lump Sum	1		
<b>6.00</b>	<b>31 23 01S</b>	<b>EXCAVATING, TRENCHING AND BACKFILLING</b>				
6.01	(1.10.3)	Over Excavation (PROVISIONAL)	Cubic Metre	200		
6.02	(1.10.4)	Remove and dispose existing AC sanitary main	Lineal Metre	81		
6.03	(1.10.9)	Imported Trench Backfill (75mm Minus) (Provisional)	Tonne	1,000		
<b>7.00</b>	<b>31 23 17</b>	<b>ROCK REMOVAL</b>				
7.01	1.6.4	Rock Removal (PROVISIONAL)	Cubic Metre	16		
<b>8.00</b>	<b>31 24 13S</b>	<b>ROADWAY EXCAVATION, EMBANKMENT AND COMPACTION</b>				
8.01	(1.8.5)	Common Excavation including Off Site Disposal	Cubic Metre	200		
<b>9.00</b>	<b>32 01 16.7S</b>	<b>COLD MILLING</b>				
9.01	(1.5.4)	35mm Surface Milling	Square Metre	660		
<b>10.00</b>	<b>32 12 16S</b>	<b>HOT-MIX ASPHALT CONCRETE PAVING</b>				
10.01	(1.5.1)	Trench Patching (35mm - Upper Course #1)	Square Metre	660		
<b>11.00</b>	<b>32 31 13</b>	<b>CHAIN LINK FENCE AND GATES</b>				
11.01	1.5.3	Remove & <b>Replace</b> wood fence <b>including new wooden posts as required</b> (Provisional)	Lineal Metre	50		
11.02	1.5.3	Remove & Reinstate chainlink fence (Provisional)	Lineal Metre	40		
<b>12.00</b>	<b>32 93 01S</b>	<b>PLANTING OF TREES, SHRUBS, AND GROUND COVERS</b>				
12.01	(1.9.1)	Remove and <b>Replace</b> Planting - disturbed during construction	Lump Sum	1.00		
<b>13.00</b>	<b>33 30 01S</b>	<b>SANITARY SEWERS</b>				
13.01	(1.6.2)	Supply and Installation of 450mm PVC SDR35 (2-3.0m depth)	Lineal Metre	156		
13.02	(1.6.2)	Supply and Installation of 450mm PVC SDR35 (3-4.0m depth)	Lineal Metre	65		
13.03	(1.6.2)	Supply and Installation of 450mm PVC SDR35 (4-5.0m depth)	Lineal Metre	117		
13.04	(1.6.2)	Supply and Installation of 450mm PVC SDR35 (5-6.0m depth)	Lineal Metre	41		
13.05	(1.6.2)	Supply and Installation of 450mm PVC SDR35 (6-7.0m depth)	Lineal Metre	8		



**SUPPLEMENTARY  
CONTRACT  
SPECIFICATIONS**

**SECTION 03 30 205**

**CONCRETE WALKS, CURBS AND GUTTER**

**2023**

<b>1.4</b>	<b>Measurement and Payment</b>	Add Clause 1.4	All work performed under this section will be treated as incidental to the work performed under other sections.
<b>2.1</b>	<b>Materials</b>	<p>Delete 2.1.5.1 and replace with the following</p> <p>Add 2.1.7</p>	<p>Hand-formed and hand-placed concrete:</p> <p>Slump: 80 mm Air entrainment: 5 to 8%. Maximum aggregate size: 20 mm. Minimum cement content: 335 kg/m<sup>3</sup>. Minimum 28 day compressive strength: 32 MPa.</p> <p>Tactile warning surface tile shall be replaceable cast-in-place style. Truncated domes shall be in square grid pattern with a 5 mm nominal raised height, base diameter of 23 mm and top diameter of 11.5 mm. Dome spacing range shall be between 40 mm – 60 mm.</p> <p>Color of the panel shall be Federal Yellow (Y) per US Federal Standard 595B Table IV, Color No. 335. Minimum size of the panel shall be 600 mm by 1200 mm.</p>
3.0	<b>EXECUTION</b>		
<b>3.9</b>	<b>Expansion Joints</b>	Delete 3.9.1 and replace with the following	Form transverse expansion joints at both ends of curb returns and at maximum spacing of 9.0 m for sidewalks, 30.0 m of curb and gutter, at each end of driveway crossing, at tangent point of circular work, and on either side of catch basins.

**END OF SECTION**

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**SUPPLEMENTARY  
CONTRACT  
SPECIFICATIONS****SECTION 03 30 53****CAST-IN-PLACE CONCRETE****2023**

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- |            |                                    |   |  |
|------------|------------------------------------|---|--|
| <b>1.5</b> | <b>Measurement and<br/>Payment</b> | Delete 1.5.2 and<br>replace with the<br>following | Payment for cast in place concrete retaining walls, slabs, stairs and other structures includes all formwork, reinforcements, subgrade preparation to receive concrete pour, construction and expansion joints, all as shown on Contract Drawings. Payment includes all excavation and backfilling which will be considered as incidental. |
|------------|------------------------------------|---|--|

**END OF SECTION**



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**SUPPLEMENTARY  
CONTRACT  
SPECIFICATIONS**
**SECTION 31 11 01S****CLEARING AND GRUBBING****2023****1.4 Measurement and  
Payment**

Delete 1.4.1 and  
replace with the  
following

Payment for all clearing and grubbing will be made at lump sum price and include removal and disposal of all branches, stumps, trees, debris, hedges, timbers, logs and vegetation to complete the work and as shown on the Contract Drawings or as directed by the Contract Administrator. Works include cutting of branches & falling of trees affected by Work to create the necessary clearance to accommodate the construction and intended function of the Work, and as shown on Contract Drawing.

The wood obtained from cut down trees on private property, will remain property of home owner. Contractor to remove trees as desired by home owners (i.e. cut in specific lengths, stored in a specific location, etc.) or otherwise will be disposed of by the Contractor appropriately

Payment includes trimming of small branches from trees or hedges as required, branch cutting/pruning to have a clean cut flush to branch collar and use of an approved tree paint to repair damage to surviving vegetation where branches have been removed.

Materials removed from within the right of way are the property of the private property owner. Materials removed within private property remain the property of the private property owner.

Discard materials obtained from within the right of way and from adjacent private properties that are not suitable for reuse or not wanted by private owners at an approved dump site.

**END OF SECTION**

**SUPPLEMENTARY  
CONTRACT  
SPECIFICATIONS**
**SECTION 33 30 01S**
**SANITARY SEWERS**
**2023**
**1.0 GENERAL**

<b>1.6</b>	<b>Measurement and Payment</b>	Delete 1.6.1 and replace	Payment for sanitary sewer will be made separately for various sections of sanitary sewer consistent with pipe materials, diameters and backfill requirements shown on the Contract Drawings and described under individual payment items in the Schedule of Quantities.
		Delete 1.6.2 and replace with	<p>Payment for sanitary sewers includes asphalt &amp; concrete saw cutting, disposal of pavement and concrete, trench excavation, shoring as required, disposal of surplus excavated material, removal and disposal of existing pipes, dewatering, removal and disposal of boulders not greater than 1 cubic meter, permanent plugs &amp; caps, supply and installation of all pipe, fittings and related materials, tie-ins other than noted in Clause 1.6.7, bedding material, approved native backfill material compacted in place, granular base, granular Subbase, cleaning and flushing, pressure testing, video inspection, all surface restoration under Section 31 23 01 – Sub-section 3.6 including top soil, sod, asphalt and all other work and materials necessary to complete installation as shown on Contract Drawings and specified under this Section. Payment does not include items that are part of the work and already paid in other Sections; and</p> <p>Payment includes protecting the existing pavement outside of the utility trench. Repair and replacement of damaged asphalt outside of the utility trench will be at the Contractor's cost as determined by the Contract Administrator unless otherwise specified; and</p> <p>Payment for restoration of driveways, curbs, and curb &amp; gutter will be considered as incidental unless shown otherwise in the Schedule of Quantities.</p> <p>Native excavated material shall be used at the sole discretion and prior approval of the Contract Administrator as trench backfill and shall have all cobbles greater than 150 mm diameter removed and disposed off-site and shall be granular in nature and free of organic materials. Native excavated material shall not be used as trench backfill where the moisture content does not permit compaction to the specified density. Where native excavated material is unacceptable for use as trench backfill, imported trench backfill shall be supplied, placed, and compacted to specified density and paid under 31 23 01s Subsection 1.10.9; and</p> <p>Payment includes by-pass pumping (and dewatering) and include all pumps, labour and materials required to facilitate the work without any service disruption to property owners. Payment for the by-pass pumping (and dewatering) will be incidental unless shown otherwise in Schedule of Quantities.</p> <p>Payment includes removal and disposal of roots, vegetation, organic matter and stumps that are located in the right of way and which fall within the work area. Trim small branches from trees or hedges as required and where necessary use an approved tree paint to repair damage to surviving vegetation where branches have been removed; and</p> <p>Materials removed from within the right of way are the property of the private property owner. Materials removed within private property remain the property of the private property owner; and</p>

**SUPPLEMENTARY  
CONTRACT  
SPECIFICATIONS**
**SECTION 33 30 01S**
**SANITARY SEWERS**
**2023**

discard materials obtained from within the right of way and from adjacent private properties that are not suitable for reuse or not wanted by private owners at an approved dump site.

Payment includes support of poles if necessary and manhole barrel preparation to accommodate the service connection.

Measurement for sanitary main will be made horizontally along the ground from manhole centreline to manhole centreline after the work has been completed.

Delete 1.6.3 and  
replace with

Payment for new service connections includes 100mm SDR28 PVC pipe unless otherwise specified, shear band couplers, bends, increaser, pvc wye, stubs, caps, sanded stubs, stakes, manhole preparation for connection, Le-Ron inspection chamber c/w locking collar and red lid and all related fittings and components specified and/or shown on Standard Detail Drawings. Payment includes all applicable service pipes, materials and work described in 1.6.2.

Measurement for service connection will be for each complete service installed, including the inspection chamber, length of service pipe installed and length of riser.

Brooks Boxes with a steel lid are to be provided for inspection chambers located in driveways as necessary.

Imported trench backfill shall not be used without the prior approval of the Contract Administrator. Payment for imported trench backfill will be made under Section 31 23 01 – Sub-section 1.10.9.

Add to Clause 1.6.7

Payment includes all applicable works, labour, couplers, material and equipment as described in Clause 1.6.2.

**2.0 PRODUCTS**
**2.5 Granular Pipe  
Bedding and  
Surround Material**

Add 2.5.3

Pipe bedding shall be 19 mm clear crushed rock or as approved by the Contract Administrator. Surround material above the springline within the pipe zone may be Type 2.

**3.0 EXECUTION**
**3.8 Connections to  
Existing Mainline  
Pipes**

Delete 3.8.1 and  
replace with

Connections with two sizes smaller or less to existing mainlines shall be made by removal of the section of the main and replacement with a manufactured PVC wye complete with stubs and double hub PVC couplings for PVC mains and approved shear band couplings for other mainline materials.

The contractor shall video inspect all connections to existing mains following completion of installation.

**END OF SECTION**