



# ADDENDUM

<b>Project:</b>	North Beech Ave Renewal Project	<b>Addendum No.:</b>	01
<b>Project No.:</b>	221-01539-00	<b>Date:</b>	2022-November-25
<b>Contract No.:</b>			
<b>Distribution:</b>	John Pite, Manager of Engineering		

## GENERAL

This Addendum forms part of the Contract Documents for the City of Duncan North Beech Ave Renewal Project and amends or clarifies the tender documents. The following revisions and/or clarifications supersede the information contained in the original Tender issued to the extent referenced and shall become part thereof. No adjustment to the Contract Price will be considered or allowed due to the Contractor or to any sub-contractor or supplier not being familiar with this Addendum.

- 1 Please note the deadline for questions has been extended until Wednesday November 30th, 2:00pm.**
- 2 Q :** We weren't able to find a "Highway Use Permit" on the City of Duncan website. Could you please provide the correct form including description of fees?  
**A: Highway Use Permit not necessary. A Work on City Property Permit (WOCP) is required, fee and bonding are waived. Form available on City of Duncan website.**
- 3 Q :** According to the details on drawing C03 and MMCD drawing G4, the minimum cover required for watermain is 1 meter, however the achievable cover at the tie-in appears to only be between 0.4 and 0.5. Will this be acceptable?  
**A: Acceptable. Locations with less than 1.0m cover to be Ductile Iron pipe as per contract documents.**
- 4 Q :** Item 3.07 – New domestic water meter – are we to include pricing for supply and installation of just the water meter or will we be required to also supply and install new meter boxes and meter setters?  
**A: Contractor to supply and install new meter box and setter for this lot (now item 3.08).**
- 5 Q :** Does item C7 only include a replacement water meter? (no new harness, shut-off valve or line). Does the City of Duncan supply the water meters or does the contractor?  
**A : All new piping, materials and appurtances (including saddle and valves) are included. Updated Supplementary Specs attached. Contractor to supply meter upon shop drawing approval.**
- 6 Q :** Could you please confirm the size of service pipe at sta 1+080 (484 and 486 Beech Ave) on drawing C02? The note states to replace the water service to an existing valve. Is this replacement and connection a part of the pay item 3.06? We are only counting 8 19mm services to be replaced?  
**A: Assume 1-25mm service for 482, 484, 486 Beech Ave (sta 1+080). 9-19mm services are shown on drawings, however one additional one is required which was missed (see item 17). We have revised schedule of quantities to suit. Total 10x19mm service (7 replaced, 2 new) and 1x25mm service.**
- 7 Q :** Are we to include the Tee for the Hydrant under the Watermain pay item 3.05 or the Hydrant pay item 3.08?  
**A: Include the Tee for the Hydrant under the Hydrant pay item 3.08.**
- 8 Q :** MMCD Drawing G5 for Pavement Restoration states the minimum thickness of permanent asphalt restoration is 75mm, however the pay item 2.03 description shows 50mm HMAc and the notes on the drawing states to match existing, assumed to be 50mm thick. Could you please confirm if we are to provide pricing for 75mm or 50mm asphalt?  
**A: Assume 50mm thick. If existing varies from this, we will address at time of construction.**

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## ADDENDUM

- 9 Q : Are we to use Hot Mix Asphalt for the temporary pavement restoration or Cold Mix? Would RAP be considered as an acceptable substitute?  
A : Cold mix or RAP is acceptable for temp restoration
- 10 Q : Are we to remove the existing storm drain manhole at 1+097.34? Which pay item are we to include the removal of the existing sanitary and storm manholes?  
A : Yes, the existing storm manhole at 1+097.34 is to be removed. Removal of the existing storm manhole and the existing sanitary manhole added to revised schedule of quantities (Line items 4.02 and 5.02 respectively).
- 11 Q : Can you please provide flow rates for the existing 150mm sewer that will need to be bypassed?  
A : Flow rates not confirmed. May assume design flow rate of ~1300L/d per household (assuming 3 bedrooms) per BC Sewerage System Standard Practice Manual.
- 12 Q : We assume that based on the sewer installation being part of a live system that an air test will not be required. Please confirm?  
A : Confirmed. Tie-ins to be completed as main is installed therefore, air-test not feasible or required.
- 13 Q : Item E4 in the schedule of quantities makes a reference to storm. We assume that this should say sanitary. Please confirm.  
A : Typo on E4 and missed line item. Please refer to re-issued Schedule of Quantities and Supplemental Payment Descriptions attached.
- 14 Q : Please confirm if we are able to tie into the existing SMH 1 on Trunk Road, utilizing the penetration from the existing 150mm dia sanitary line. If a new manhole is required for SMH 1, please confirm the diameter.  
A : Yes, tie-in to existing is acceptable. Refer to re-issued Schedule of Quantities.
- 15 Q : Is there a geotechnical report available with test hole information to identify existing soil types, ground water levels and geotechnical recommendations.  
A : No goetech report is currently available.
- 16 Q : Fill disposal site are now requiring results from environmental site assessments to confirm that fill material being brought to their fill their site does not exceed residential standards. Has an environmental assessment been done for this site? If not, will costs for doing test pits, sampling, analytical testing and reporting be by the Owner, or the Contractor?  
A : See SS 4.0 – Environmental. Contractor required to complete soil tests for disposal.
- 17 Q : The drawings do not show water services to 482 and 492 Beech Ave. Is the intent to service these lots?  
A : Yes, 482 Beech is part of the 3 lot strata that includes 484 and 486 Beech (see #6). 472 Beech and the newly created panhandle lot requires 2 new water services. 492 Beech Ave water service missed and now included. Drawings will be updated for IFC. Revised schedule of quantities attached.
- 18 Q : Please confirm the size of the noted water meter/service west of station 1+113 as noted on drawing C02.  
A : Assume 19mm service, If its not a 19mm service then extra applicable
- 19 Q : Has a Construction Permit for the watermain been issued by VIHA?  
A : Yes, VIHA permit # W-S-2511.
- 20 Q : Would a low profile frame and cover be acceptable for the new storm manhole DMH 2 due to the shallow depth?  
A : Will be considered at time of construction. Must be H-20 rated.
- 21 Q : Should we expect the existing 450mm Storm Drain to be AC?  
A : Assume NOT AC. Extra applicable if confirmed otherwise.
- 22 Q : Which pay item are we to include Locates under?  
A : Include within Mobilization costs.

See attached:

- Revised Schedule of Quantities (Appendix 1)
- Revised Supplemental Payment Descriptions.
- Meeting minutes from Tender meeting (November 17, 2022).

CITY OF DUNCAN  
NORTH BEECH AVE RENEWAL PROJECT

See paragraph 5.3.1 of the Instructions to Tenderers – Part II.

ITEM	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<b>1.0</b>	<b>General</b>					
1.01	A1	Mob/Demob/Insurance/Temp Facilities/Survey Layout	LS	1		
1.02	A2	Environmental Protection	LS	1		
1.03	A3	Traffic Management	LS	1		
1.04	A4	Project Record Documents	LS	1		
GENERAL SUBTOTAL						
<b>2.0</b>	<b>Road and Sidewalk</b>					
2.01	B1	Remove existing asphalt	sq.m	1075		
2.02	B2	Remove existing curb and sidewalk	sq.m	250		
2.03	B3	50mm HMAC c/w base gravels	sq.m	1075		
2.04	B4	Curb c/w subgrade prep and base gravels	lm	140		
2.05	B5	100mm thick concrete sidewalk c/w base gravels	sq.m	115		
2.06	B5	150mm thick concrete sidewalk at drive drops c/w base gravels	sq.m	54		
2.07	B6	Line Painting	LS	1		
2.08	B7	Relocate signage	LS	1		
ROAD AND SIDEWALK SUBTOTAL						
<b>3.0</b>	<b>Water</b>					
3.01	C1	Cut/Cap existing water at main	ls	1		
3.02	C2	Close/remove valve box and fill riser with concrete	ea	4		

Tenderer's Initials \_\_\_\_\_

ITEM	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<b>3.0</b>	<b>Water Cont'd</b>					
3.03	C3	150mm Tie-in	LS	1		
3.04	C4	Gate Valves at tie-in	ea	3		
3.05	C5	150mm DI Water Main	lm	115		
3.06	C6	Replace 19mm service to lot c/w re-connection to existing meter	ea	7		
3.07	C6	Replace 25mm service to lot (482, 484, 486 Beech).	ea	1		
3.08	C7	New domestic water service c/w new meter (Lot 472)	ea	2		
3.09	C8	New Hydrant c/w tee, lead and valve	ea	1		
3.10	C9	Water flushing, disinfection and testing	LS	1		
<b>WATER SUBTOTAL</b>						
<b>4.0</b>	<b>Storm Drain</b>					
4.01	D1	Remove existing 200mm CSP	lm	98		
4.02	D3	Remove existing DMH	ea	1		
4.03	D1	250mm PVC SDR35	lm	98		
4.04	D2	100mm PVC SDR28 Service to lot	ea	3		
4.05	D3	1050mm manhole, complete	ea	1		
4.06	D4	Remove and replace existing Catch basin with new c/w new lead	ea	4		
4.07	D5	Flushing, CCTV inspection and reporting	lm	98		
4.08	D6	Connect existing storm drain lateral to new main	LS	1		
4.09	D7	Overbuild new manhole on existing storm	ea	1		
<b>STORM DRAIN SUBTOTAL</b>						

Tenderer's Initials \_\_\_\_\_

ITEM	PAYMENT CLAUSE	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<b>5.0</b>	<b>Sanitary Sewer</b>					
5.01	E1	Remove existing 150mm AC main	lm	99		
5.02	E3	Remove existing SMH	ea	1		
5.03	E1	200mm PVC SDR35	lm	99		
5.04	E2	100mm PVC SDR28 Service connection c/w inspection chamber	ea	10		
5.05	E3	1050mm Manhole, complete	ea	1		
5.06	E4	Tie-in to existing sanitary manhole	ea	1		
5.07	D5	Flushing, CCTV inspection and reporting	lm	99		
<b>SANITARY SEWER SUBTOTAL</b>						

<b>SUMMARY</b>	
General	
Road and Sidewalk	
Water	
Storm Drain	
Sanitary Sewer	
<b>Subtotal</b>	
5% GST	
<b>TOTAL TENDER PRICE</b>	

Tenderer's Initials \_\_\_\_\_

Supplemental Payment Descriptions

<p><b>A1: Mobilization, demobilization insurance and temporary facilities</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Any and all works associated with mobilizing, demobilizing to the project site, including, but not limited to temporary facilities, equipment deliveries, preparation of lay down areas, survey layout and obtaining necessary permits, as well as any and all works associated with obtaining required insurance. See MMCD 01 52 01.</li> </ul> <p><u>Payment: Lump Sum</u></p> <ul style="list-style-type: none"> <li>- 50% paid with the first progress draw.</li> <li>- 50% paid on progress draw with or after Substantial Completion.</li> </ul>
<p><b>A2: Environmental Protection</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Meet all the requirements of MMCD Section 01 57 01, Contract Drawings and Specifications, and the requirements of the City of Duncan.</li> <li>- Provide dust control when creation of dust may be a problem. Use and apply products as set out in MMCD Section 31 15 60.</li> </ul> <p><u>Payment: Lump Sum</u></p> <ul style="list-style-type: none"> <li>- To be paid based on percentage of contract complete per progress draws.</li> </ul>
<p><b>A3: Traffic Management</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Meet all requirements of MMCD 01 55 00, Contract Drawings and Specifications, and the requirements of City of Duncan.</li> </ul> <p><u>Payment: Lump Sum</u></p> <ul style="list-style-type: none"> <li>- To be paid based on percentage of contract complete per progress draws.</li> </ul>
<p><b>A4: Project Record Documents</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Meet all requirements of MMCD 01 33 01, Contract Drawings and Specifications, and the requirements of the City of Duncan.</li> </ul> <p><u>Payment: Lump Sum</u></p> <ul style="list-style-type: none"> <li>- To be paid in a single lump sum once all record documents are submitted.</li> </ul>
<p><b>B1: Asphalt Removal</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Any and all works associated with the milling, saw-cutting, removal, hauling and disposal of existing asphalt, to all depths, per MMCD 32 01 16.7.</li> </ul> <p><u>Payment: Square Meter</u></p> <ul style="list-style-type: none"> <li>- Paid per square meter of existing asphalt removed.</li> </ul>
<p><b>B2: Remove Existing Curb and Sidewalk,</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Any and all works associated with the removal, hauling and disposal of existing curbs, gutter and sidewalk, per MMCD 31 23 01, section 1.3.4.</li> <li>- Any necessary removal and replacements of fencing and soft landscape to suit as found or better condition.</li> </ul> <p><u>Payment: Square Meter</u></p> <ul style="list-style-type: none"> <li>- To be paid in individual lump sums once all individual items have been removed.</li> </ul>

<p><b>B3: HMAC c/w base gravels</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Supply and install HMAC to MMCD 32 12 16, including all preparation, compaction, adjusting castings, and all other related work.</li> <li>- Base gravels to be excavated, removed, replaced and re-graded. Sub-base is assumed acceptable but must be approved via roll test prior to placement of base gravels.</li> <li>- Required thickness of 100mm crushed gravel base</li> <li>- 200mm sub-base on approved subgrade in asphalt areas (where applicable, see point above)</li> </ul> <p><u>Payment: Square meter</u></p> <ul style="list-style-type: none"> <li>- To be paid per square meter of asphalt installed based on thickness and mix design shown in the Contract Drawings and Specifications</li> </ul>
<p><b>B4: Curb and Gutter c/w Base Gravels</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Supply and install concrete curb and gutter as per MMCD 03 30 20, Contract Drawings and Specifications, and the requirements of Duncan.</li> <li>- Required thickness of 100mm base gravels beneath curbs, compacted to 95% MPD. Per MMCD.</li> </ul> <p><u>Payment: Each</u></p> <ul style="list-style-type: none"> <li>- To be paid per lineal meter of curb installed</li> </ul>
<p><b>B5: Concrete Sidewalk c/w Base Gravels</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Supply and install sidewalk as per MMCD 03 30 20, Contract Drawings and Specifications, and the requirements of Duncan.</li> <li>- Required thickness of 100mm base gravels beneath sidewalks and driveway drops, compacted to 95% MPD. Per MMCD.</li> <li>- Includes re-instatement of wheelchair ramp at south end.</li> </ul> <p><u>Payment: Square meter</u></p> <ul style="list-style-type: none"> <li>- To be paid per square meter of sidewalk installed based on thickness of concrete</li> </ul>
<p><b>B6: Line Painting</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Any and all works associated with completion of permanent pavement markings as per the Contract Drawings.</li> <li>- Per MMCD 32 17 23.</li> </ul> <p><u>Payment: Lump Sum</u></p> <ul style="list-style-type: none"> <li>- Paid upon completion of pavement markings.</li> </ul>
<p><b>B7: Relocate Existing Signage</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Any and all works associated with the removal, storage, relocation and reinstallation of existing signage, posts and foundations as per the contract drawings. Includes any hardware or items that may require replacement due to existing pieces being unsuitable for reuse. All components are to be neatly stockpiled and protected at an onsite location as agreed upon with the Owner or appropriate authority if staging within school property.</li> </ul> <p><u>Payment: Lump Sum</u></p> <ul style="list-style-type: none"> <li>- 25% paid when all signs have been removed and safely stockpiled.</li> <li>- 75% paid when all signs have been relocated.</li> </ul>

<p><b>C1: Cut/Cap Existing Water Main</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Meet all requirements of MMCD 33 11 01, Contract Drawings and Specifications, and the requirements of VIHA and City of Duncan.</li> </ul> <p><u>Payment: Lump sum</u></p> <ul style="list-style-type: none"> <li>- To be paid as a lump sum after completion of main abandonment/capping.</li> </ul>
<p><b>C2: Remove Existing Valve Box and Fill With Concrete.</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Meet all requirements of MMCD 33 11 01, Contract Drawings and Specifications, and the requirements of VIHA and City of Duncan.</li> </ul> <p><u>Payment: Lump sum</u></p> <ul style="list-style-type: none"> <li>- To be per valve box removed and riser filled.</li> </ul>
<p><b>C3: Trunk Rd Tie-in</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Meet all requirements of MMCD 33 11 01, Contract Drawings and Specifications, and the requirements of VIHA and City of Duncan.</li> <li>- Normal working hours remain for the tie-ins on Trunk Rd.</li> </ul> <p><u>Payment: Lump sum</u></p> <ul style="list-style-type: none"> <li>- To be paid as a lump sum after completion of tie-in.</li> </ul>
<p><b>C4: Watermain Valves</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Meet all requirements of MMCD 33 11 01, Contract Drawings and Specifications, and the requirements of VIHA and City of Duncan.</li> </ul> <p><u>Payment: Lump sum</u></p> <ul style="list-style-type: none"> <li>- Measurement and payment based on each valve installed.</li> </ul>
<p><b>C5: Watermain</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Any and all works associated with the supply and install of watermain pipe per MMCD 33 11 01, Contract drawings and specifications.</li> <li>- Excavation of trench, supply and installation of pipe, fittings, bedding, pipe surround material, imported backfill, disposal of unsuitable materials, and temporary HMA restoration as required.</li> <li>- Measured based on lineal meters of pipe installed, measured along the centerline of the installed pipe.</li> </ul> <p><u>Payment: lineal meter</u></p> <ul style="list-style-type: none"> <li>- To be paid per lineal meter of watermain installed.</li> </ul>
<p><b>C6: Water Service</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Meet all requirements of MMCD 33 11 01, Contract Drawings and Specifications, and the requirements of City of Duncan.</li> <li>- Existing services to be maintained in place until new main and services are installed and tested. Daily shutdown may be necessary for turnover of service in which the contractor is to provide 48 hrs. notice.</li> </ul> <p><u>Payment: Each</u></p> <ul style="list-style-type: none"> <li>- Measurement and payment based on each service installed.</li> </ul>



<p><b>C7: New Water Meter Installation (Lot 472)</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Meet all requirements of MMCD 33 11 01, Contract Drawings and Specifications, and the requirements of City of Duncan.</li> <li>- Includes mainline saddle, curb stop, piping and all related fittings and appurtenances in accordance with MMCD.</li> </ul> <p><u>Payment: Each</u></p> <ul style="list-style-type: none"> <li>- Measurement and payment based on each meter installed.</li> </ul>
<p><b>C8: Hydrant, Complete with Lead and Valve</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Any and all works associated the installation of a new fire hydrant as shown in the Contract Drawings as per MMCD 33 11 01, City Water specifications, and in coordination with the City of Duncan. Work to include removal of hard or soft surfacing, excavation, backfill and any other works.</li> </ul> <p><u>Payment: Each</u></p> <ul style="list-style-type: none"> <li>- To be paid per hydrant assembly fully installed.</li> </ul>
<p><b>C9: Water Flushing and Disinfecting</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Any and all work associated with watermain flushing, disinfection, and testing. Includes furnishing all materials, equipment, supplies and chemicals required to disinfect watermains. Work includes all chlorination/dechlorination, temporary connections, flushing, erosion control, pumping, backflow prevention, water supply, and test equipment to complete the works.</li> </ul> <p><u>Payment: Lump sum</u></p> <ul style="list-style-type: none"> <li>- To be paid once flushing and disinfection have been successfully completed with satisfactory test results.</li> </ul>
<p><b>D1: Storm Main</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Remove, Supply and install gravity storm main per MMCD 33 40 01 specifications.</li> <li>- Excavation of trench, supply and installation of pipe, bedding, pipe surround material, backfill, disposal of unsuitable materials and temporary restoration as required.</li> <li>- Disposal of removed pipe per applicable regulations.</li> <li>- Measured based on lineal meters of pipe installed measured along the centerline of the pipe installed, from center of manhole to center of manhole.</li> </ul> <p><u>Payment: Lineal meter</u></p> <ul style="list-style-type: none"> <li>- Per lineal meter of specified pipe diameter and material installed or removed.</li> </ul>
<p><b>D2: Storm Service Connection c/w inspection chamber</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Any and all works associated with the replacement of existing and construction of new storm service stubs, including inspection chambers, as shown in Contract Drawings.</li> <li>- Works to be per MMCD 33 40 01</li> <li>- Length and diameter as required to meet design drawings.</li> <li>- Supply and installation of brooks box.</li> </ul> <p><u>Payment: Each</u></p> <ul style="list-style-type: none"> <li>- To be paid per service installed.</li> </ul>

<p><b>D3: Manholes</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Removal of existing manhole.</li> <li>- Supply and install manhole with traffic rated frame and cover to details and depths indicated in Contract Drawings per MMCD 33 44 01 specifications.</li> </ul> <p><u>Payment: Each</u></p> <ul style="list-style-type: none"> <li>- To be paid per each manhole installed, by diameter regardless of depth.</li> </ul>
<p><b>D4: Catch Basin</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Supply and install storm drain catch basin, frame, grate and lead per Contract Drawings and per MMCD 33 40 01 and 33 44 01 specifications.</li> </ul> <p><u>Payment: Each</u></p> <ul style="list-style-type: none"> <li>- To be paid per each catch basin installed and connected to main.</li> </ul>
<p><b>D5: CCTV Inspection</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- CCTV inspection to MMCD 33 01 30.1.</li> <li>- Flush pipe of debris prior to undertaking video inspections.</li> <li>- Video inspection to be on installed portions of gravity sanitary and storm drains prior to paving. Excludes service laterals.</li> <li>- Should defects with installed pipes require repairs, a subsequent video inspection may be required to the repaired area.</li> </ul> <p><u>Payment: Lineal Meter</u></p> <ul style="list-style-type: none"> <li>- Each inspection to be paid per linear meter of pipe inspected once inspection report is submitted.</li> <li>- Costs for reinspection of deficient or corrected work is considered incidental.</li> </ul>
<p><b>D6: Connect existing storm drain lateral to new main</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Remove, Supply and install gravity storm main per MMCD 33 40 01 specifications.</li> <li>- Excavation of trench, supply and installation of pipe, bedding, pipe surround material, backfill, disposal of unsuitable materials, temporary restoration as required and final restoration.</li> <li>- Disposal of removed pipe per applicable regulations.</li> <li>- Complete connection to new storm main.</li> </ul> <p><u>Payment: Lineal meter</u></p> <ul style="list-style-type: none"> <li>- To be paid after full connection to existing main.</li> </ul>
<p><b>D7: Overbuild new manhole on existing storm</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Any and all works associated with installation of a new storm or sanitary manhole over existing mains.</li> <li>- Installation of new manhole to meet new finished grades per MMCD 33 44 01.</li> <li>- Supply and install new barrel/risers as required.</li> <li>- Includes benching or grouting of connection.</li> </ul> <p><u>Payment: Each</u></p> <ul style="list-style-type: none"> <li>- To be paid per manhole installed on existing sanitary or storm mains, regardless of diameter.</li> </ul>

<p><b>E1: Sanitary Main</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Remove, Supply and install gravity sanitary mains per MMCD 33 30 01 specifications.</li> <li>- Excavation of trench, supply and installation of pipe, bedding, pipe surround material, backfill, disposal of unsuitable materials and temporary restoration as required.</li> <li>- Disposal of pipe removed per applicable regulations.</li> <li>- Measured based on lineal meters of pipe installed or removed measured along the centerline of the pipe installed, from center of manhole to center of manhole.</li> </ul> <p><u>Payment: Lineal meter</u></p> <ul style="list-style-type: none"> <li>- Per lineal meter of specified pipe diameter installed or removed.</li> </ul>
<p><b>E2: Sanitary Service Connection c/w inspection chamber</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Any and all works associated with the replacement of existing and construction of new sanitary service stubs, including inspection chambers, as shown in Contract Drawings.</li> <li>- Works to be per MMCD 33 30 01</li> <li>- Length and diameter as required to meet design drawings.</li> <li>- Supply and installation of brooks box.</li> </ul> <p><u>Payment: Each</u></p> <ul style="list-style-type: none"> <li>- To be paid per service installed.</li> </ul>
<p><b>E3: Manholes</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Removal of existing Sanitary manhole.</li> <li>- Supply and install manhole with traffic rated frame and cover to details and depths indicated in Contract Drawings per MMCD 33 44 01 specifications.</li> </ul> <p><u>Payment: Each</u></p> <ul style="list-style-type: none"> <li>- To be paid per each manhole installed, by diameter regardless of depth.</li> </ul>
<p><b>E4: Tie-in to Existing Sanitary Manhole</b></p> <p><u>Description / Measurement:</u></p> <ul style="list-style-type: none"> <li>- Any and all works associated with connection of proposed sanitary main to existing SMH.</li> <li>- Installation of new manhole casting to meet finished grades per MMCD 33 44 01 (as required)</li> <li>- Includes benching or grouting of connection.</li> </ul> <p><u>Payment: Each</u></p> <ul style="list-style-type: none"> <li>- To be paid per manhole connection completed.</li> </ul>



# MINUTES OF MEETING

<b>Job Title</b>	North Beech Avenue Renewal Project		
<b>Project Number</b>	221-01539-00	<b>Date</b>	November 17, 2022
<b>Time</b>	2:00pm	<b>Venue</b>	Beech Rd. Duncan
<b>Purpose</b>	Project Pre-Tender site meeting		

<b>Attendance</b>			
<b>Name</b>	<b>Company</b>	<b>Email</b>	<b>Attendance</b>
John Pite	City of Duncan	john@duncan.ca	Y
Nathan Craycroft	Draycor	nathan@draycor.ca	Y
Janai Warwaruk	Copcan	jwarwaruk@copcan.ca	Y
Trevor Denton	Stone Pacific	trevor@stonepacific.com	Y
Scott McLaren	Don Mann	Scott.mclaren@donmann.com	Y
Eric Watson	Chew Contracting	ericwatson@ralmax.com	Y
John Monaris	Chew Contracting		Y
William Cottrell	Leuco	William.cottrell@leuco.ca	Y
Ben Harms	WSP	ben.harms@wsp.com	N
Dwayne Brideaux	WSP	Dwayne.brideaux@wsp.com	Y

<b>ITEM</b>	<b>DISCUSSION/RESPONSE</b>
<p><b>DISCUSSED</b></p> <ul style="list-style-type: none"> <li>As written in the Tender Documents (4.3 of IT – Part 1) all questions to be directed to WSP (<a href="mailto:ben.harms@wsp.com">ben.harms@wsp.com</a>)</li> </ul>	<ul style="list-style-type: none"> <li>Questions from this meeting will be included in an addendum.</li> <li>Questions by email will be received up till 2:00pm November 25<sup>th</sup>.</li> </ul>
<ul style="list-style-type: none"> <li>Section 4.4 of IT – Part 1 - Noted that contractor is to provide methodology for proposed works.</li> </ul>	<ul style="list-style-type: none"> <li>No questions.</li> </ul>
<p><b>DUNCAN CHRISTIAN SCHOOL</b></p> <ul style="list-style-type: none"> <li>John Pite has contact info for the Principal of Duncan Christian School at the North end of Beech Avenue. Successful bidder to contact Principal and discuss options.</li> </ul>	<ul style="list-style-type: none"> <li>School has a secondary access to Chesterfield Ave to the west. This can possibly be used to provide one way entrance to the school via Beech Avenue and exit via access to Chesterfield.</li> <li>School may also be able to provide a construction lay down area.</li> <li>School property usage will be by agreement between contractor and school.</li> </ul>
<ul style="list-style-type: none"> <li>Work on City Property Permit Required.</li> </ul>	<ul style="list-style-type: none"> <li>Acknowledged</li> </ul>
<ul style="list-style-type: none"> <li>Working hours city noise bylaw 7:00am to 7:00pm.</li> </ul>	<ul style="list-style-type: none"> <li>Acknowledged</li> </ul>

## AGENDA

<p><b>QUESTION</b></p> <ul style="list-style-type: none"><li>— Requirements for Beech Avenue residents for parking and driveway access during construction.</li> <li>— If fence damage is sustained during construction.</li> <li>— Are there any restrictions for working hours on Trunk Road.</li></ul>	<ul style="list-style-type: none"><li>- Access for driveways and parking to be maintained during construction. Contractor responsible for notifying resident of any disruption well in advance.</li> <li>- Contractor is responsible to restore any damage done during construction to as found or better condition. It is recommended contractor take sufficient pictures before commencing work.</li> <li>- Check contract documents.</li></ul>
<p><b>NOTICE TO CITY OF DUNCAN CREWS</b></p> <ul style="list-style-type: none"><li>— For works involving City of Duncan crews, ie operating valves, anything City owned.</li></ul>	<ul style="list-style-type: none"><li>— Crews need 96 hrs notice. More if possible.</li></ul>
<ul style="list-style-type: none"><li>— City of Duncan is considering removing the short driveway drop and tapers serving #831 Trunk Road at the southwest end of Beech Avenue.</li></ul>	<ul style="list-style-type: none"><li>- Will confirm upon contract award and provide change direction as required.</li></ul>

ADDITIONAL Items:

END OF MEETING MINUTES – MEETING ADJOURNED AT 2:30 PM

*This summary was recorded by Dwayne Brideaux of WSP on 2022-November-17. Please report any corrections or omissions as required.*