

SOUTH VAN HORNE HOUSING ENABLING PROJECT

ADDENDUM #2

The following addendum is issued to address revisions to the original Contract Documents.

THE FOLLOWING REVISIONS SHALL BE CONSIDERED AS PART OF THE CONTRACT DOCUMENTS AND ALL COSTS THERETO SHALL BE INCLUDED IN THE BID PRICE.

Contract Specifications:

1. Section 00100 – Information to Tenderers

1.1.TENDERS – the closing date has been revised to **Wednesday, March 4, 2026** at 3:00pm local time.

1.2.AWARD OF CONTRACT – the contract award date is revised to **Wednesday, March 11, 2026**.

All other portions of this specification remain the same.

2. Section 00300 – Tender Form

Revised tender form is attached to this addendum.

3. General Contract - Questions and Answers:

3.1.Q: Can you confirm the size and quantity of the manholes and catchbasins, there are some discrepancies between the drawings and tender form.

A: See below for clarification:

Item	Description	UOM	Qty.	Structures (as shown on drawings)
1.22	New Precast Concrete CB 600x600 (OPSD 705.010) c/w Curb Inlet Grate (OPSD 400.090)	ea	12	CBs: 1, 8, 9, 10, 11, 12, 13, 14, 17, 20, 21, 23
1.23	New Precast Concrete Twin Inlet CB 600x1450 (OPSD 705.020) c/w Curb Inlet Grates (OPSD 400.090)	ea	4	DCBs: 4, 5, 6, 7
1.24	New Precast Concrete CB 600x600 (OPSD 705.010) c/w Flat Grate (OPSD 400.020)	ea	4	CBs: 15, 16, 18, 19
1.25	New Precast Concrete Double Catchbasin Manhole (STM) 1500 mm (OPSD 701.012) c/w Curb Inlet Grate (OPSD 400.090)	ea	1	DCBMH 4

1.26	New Precast Concrete Catchbasin Manhole 1200 mm (OPSD 701.011) c/w Flat Grate (OPSD 400.020)	ea	6	CBMHs: 5, 6, 7, 8, 9, 11
1.27	New Precast Concrete Manhole (OPSD 701.011) 1200 mm c/w Standard Cover	ea	4	MHs: 1, 2, 3, 10

3.2. Q: Also wondering about the pipe specification for the forcemain. Are you looking for HDPE DR11 or HDPE DR 17?

A: Please revise Watermain, Sanitary Sewer, and Storm Sewer note 11 on C-303 to read: SANITARY FORCEMAIN TO BE 150 mm DIA. HIGH DENSITY POLYTHYLENE (HDPE) OR 150 mm PVC C-900 DR-11 TO CSA-B182.6 AT LOCATIONS SHOWN IN THE CONTRACT DRAWINGS.

3.3. Q: I cannot find the rock pay width in the specs. Can you provide?

A: Please assume a width 300mm beyond the outside of the pipe on both sides.

3.4. Q: I also have not been able to find the granular B type that is to be used for the road structure. Drawing C-300 Detail F and G just state granular B, not type. Drawing C-300 Detail J states granular B type 1 below road structure to replace excavation however drawing C-303 Excavation and Grading 11. describes using granular B type 2 for replacing disturbed subgrade. Is the B2 for outside trench areas? Specification 02510 2.2.1 states granulars as per opss.muni 1010 which provides the gradations for the different types of gran b but not the type we are to use.

A: Granular B, Type I shall be used for trench reinstatement as well as for the road structure. Where "Granular B" is stated, it shall be assumed that Granular B, Type I is the intention. Excavation and Grading Note 11 should be updated to say Type I, *not Type II*.

3.5. Q: Could you please provide the GIS watermain information for this project? Specifically, we are looking to confirm whether the existing watermain must be by-passed during construction or if it functions as a looped system. Once the air gap is installed, will Wabigoon Dr., Ingall Dr., and Lakeside Dr. remain in service?

A: GIS information has been provided as part of this Addendum 2. The existing system through Wabigoon Drive, Ingall Drive, and Lakeside Drive are provided with a looped distribution system

3.6. Q: The note on drawing C-200 states that rock removal for MH5 and ARV F2 is to be mechanical only, with no blasting permitted. Can you clarify the reason for this restriction (e.g., proximity to gas infrastructure or other utilities)?

A: The reason for this restriction is that the location is in the vicinity of several houses and utility lines. No blasting is permitted on this contract.

3.7. Q: Additionally, can a quantity of anticipated bedrock or stationing limits be provided for the areas where blasting is not permitted?

A: The anticipated quantity can be found in the tender form under item 2.01. See Question 3.6 above for additional information.

3.8. Q: Can you confirm the measurement and payment terms for Tender Item 2.01 (Rock Excavation), specifically with respect to trench depth and width allowances?

A: See Question 3.3 for trench width and the profiles in the contract drawings for estimated bedrock depths.

3.9. Q: Section 02510 of the specification lists polymer, thermoplastic, or tape as the pavement marking materials. Is this correct? These jobs are typically completed with standard traffic paint.

A: The original materials listed in section 02510 (Section 2.3) of the specification document may be deleted. Pavement markings shall use standard traffic paint, specifically water-borne traffic paint (OPSS 1716) or organic solvent-based traffic paint (OPSS 1712).

3.10. Q: That section also lists OPSS 710 as the pavement marking spec. Which version of OPSS 710 are they referencing? It should say either MUNI or PROV as well as the date since there are a few different versions currently in use.

A: All OPSS are to be considered the MUNI versions unless otherwise stated.

3.11. Q: The drawings show 2 large ladder style crosswalks on drawing C-401. They both reference detail N for the crosswalks which is a completely different style of crosswalk. There is no item for the ladder style crosswalks so it is unclear how we should price these crosswalks.

A: Crosswalks shall be painted and priced per Detail N, with no "ladder style" cross hatching. New item – **Pavement Markings – Durable – Crosswalk** has been added to the Tender Form with a quantity of 53 m. Inclusive of 30 m at Wabigoon Drive and 23 m at Claybanks Road.

3.12. Q: What lines are included in item 1.44 – pavement markings – 10 cm yellow (CL & Hatching)? All the road way centre lines are included in item 1.45 and match the quantity of 928 metres as shown on the detail listing on drawing C-400.

A: Item 1.44 – Pavement Markings – 10 cm yellow (CL & Hatching), shall be deleted from the Tender Form. Item 1.45 – Pavement Markings – 10 cm Solid Yellow covers all yellow paint required within the contract. See revised Tender Form

3.13. Q: Could you please confirm whether well testing will be required as part of this project? Also, are there any properties that will remain on private well water once construction is complete?

A: The City is currently working with the local property owners on Claybanks Road to determine if they will be connected to the new infrastructure or not. A provisional item for well monitoring has been added to the tender form in the event that well monitoring will be required if they do not connect to the municipal infrastructure during

construction (homeowners' responsibility within their property). Services to the property line for each of the properties on Claybanks Road have also added to the tender form and will be completed under this contract.

Clarifications on the services listed in the contract are as follows and are illustrated on the attached GIS map. The sizes of all service connections are to be confirmed prior to construction. Existing watermain services are to be replaced with 20mm copper unless existing sizing is larger. Watermain services per City of Thunder Bay Standard Drawing W-104-1. Existing sanitary services are to be replaced with 135mm PVC unless existing size is larger. Sanitary services per City of Thunder Bay Standard Drawing S-102:

Remove and Replace Existing Residential Sanitary Services to Property Line (Item 2.08):

- Van Horne Avenue – 7 services
- Lakeside Drive – 2 services

New 135mm Sanitary Services (New Item 2.08A) – exact location TBD

- Claybanks Road – 3 services

New 135mm Sanitary Services (New Item 2.08B) – exact location TBD

- Claybanks Road – 1 service

Remove and Replace Existing Residential Water Services to Property Line c/w Curb Stop (Item 2.16):

- Van Horne Avenue – 7 services
- Lakeside Drive – 2 services

New 20mm Water Services c/w Curb Stops (New Item 2.16A) – exact location TBD

- Claybanks Avenue – 3 services

New 50mm Water Service c/w Curb Stop (New Item 2.16B) – exact location TBD

- Claybanks Avenue – 1 service

3.14. Q: For the bedrock removal quantities, are the watermain, sewer main and force main separation as per the New Collector 20m ROW, or does it share a common trench as per F-6-1 Procedures to Govern Separation of Sewers and Watermains.

A: For the area of approximately 0+225 to 0+350, the exact width of the rock trench is unknown currently, but please assume that all pipes are in separate trenches. The existing trench for the watermain should be used where possible. In the area south of the Claybanks intersection, assume pipes are in separate trenches.

3.15. Q: In the pipe crossing table on Sheet C-303, some crossings are less than 0.5m. How should we address these?

A: In areas where pipe crossings have less than 500mm vertical separation, follow City of Thunder Bay Standard Drawing W-121.

Lift Station - Questions and Answers:

- 3.16. Q: Contract documents do not specify which contract document takes precedence in case of conflict. Please clarify which document should be used in cases where "more stringent contract document" does not apply.**

A: Drawings will take contract preference in case of conflict per OPSS.MUNI.100.

- 3.17. Q: QRV50X cloud modem cannot be used with PBN (shown on E-603). Advensor must be used.**

A: Use the cloud modem recommended by Xylem, which is compatible with the PBN controller and the Xylem Cloud System.

- 3.18. Q: Neither cloud modem options support 5G as outlined in 25 30 01 page 6 of 11.**

A: The minimum requirement for cellular modem is to operate on 4G/LTE and rely on VoLTE for calling.

- 3.19. Q: MAS 711 is included as part of the standard Nexicon pump modules. Separate MAS 711 cards not required.**

A: Agree, No comments.

- 3.20. Q: Batteries from BSM cannot power the HMI. Advise if HMI power is required on backup power. HMI Power is not required to be backup, we don't have main power.**

A: Acceptable to have one power fault indication lamp.

- 3.21. Q: Drawings (E-604) show a battery and charger (E-602), but spec (25 30 01) calls for a UPS. Please clarify which backup power method is required.**

A: Follow drawings, required battery and charger.

- 3.22. Q: Transformer shown (E-601) is only NEMA 4 but the enclosure it attaches to is rated for NEMA 4X (25 14 23 page 5/8), please clarify which rating is required.**

A: Lift station located near lake with wet and corrosive environment. Preferred to use NEMA 4X enclosure.

- 3.23. Q: If NEMA 4X is required for the control panel, it must be built from stainless steel due to size, and come unpainted. (25 14 23 page 5/8). Please clarify if paint is needed.**

A: Painting is not required for stainless steel cabinets.

- 3.24. Q: Please clarify if starters (manual motor starters) or MCPs should be used for the pumps starter. (Conflict between 25 30 01 page 4/11 & drawing E-601).**

A: Use MCP for motor control, follow drawing requirements.

- 3.25. Q: Please provide the name of the SCADA that will be used for remote control of the station. (Mentioned on 25 30 01 page 3/11).**

A: City will use Xylems cloud base SCADA for monitoring.

3.26. Q: Are components placed on the interior of an enclosure required to have a NEMA 3R rating? (E-601).

A: It is acceptable to use a NEMA 12 enclosure for interior equipment that is suitable for -40 °C environments.

3.27. Q: Please approve Schneider Electric DT322RB as an alternate for a fusible double throw safety switch.

A: This is NOT an approved alternate.

3.28. Q: What is the purpose of the third junction box mentioned in comment 5 on drawing E-601?

A: Two junction boxes are used for the power cables to the pump, with their locations selected to allow an easy drop to the pump. Additionally, a separate junction box is used for the process instruments (float switches). For more details, refer to drawing E-102, details A, C, and D.

3.29. Q: Please clarify if a generator NEMA 4X 30A 2P receptacle (shown on E-601 and E-604) is required instead of just being hardwired to terminals. List price for such a receptacle is CA\$4000.

A: A 120/240 V plug (30 A) is used for mobile generator auxiliary power (charger, block heater, louvers). It is not acceptable for the operator to hard-wire the cables each time a connection is required. A weatherproof receptacle is permitted.

3.30. Q: Acceptable manufacturer for 600V power panel is not listed in specifications. If we are to follow section 26 43 13 2.2.x page 2/3, please approve Schneider Electric as approved equal for SPD.

A: Schneider Electric approved as equal for SPD. Panel manufacturer shall be as per Specification 251423 item 2.20 (page 7/8).