
TOWNSHIP OF NORTH HURON

BLYTH RV DUMPING STATION

CONTRACT NO. 24226



BMROSS
engineering better communities



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engineering better communities 

B. M. ROSS AND ASSOCIATES LIMITED
Engineers and Planners
62 North Street, Goderich, ON N7A 2T4
p. (519) 524-2641 www.bmross.net

**TOWNSHIP OF NORTH HURON
TENDER FOR
BLYTH RV DUMPING STATION**

**INFORMATION TO BIDDERS
BMROSS CONTRACT NO. 24226**

1.0 INFORMATION FOR SUBMISSION

1.1 Introduction

The Township of North Huron is requesting tenders for the construction of a new RV Dumping Station within the property of the Blyth Arena and Community Centre. Project is to include: piping, concrete pad, kiosk and locking cap, removal of existing dumping station, and associated work such as concrete, lane construction, electrical and site restoration work.

1.2 Date and Place for Receiving Tenders

Tenders will be received by:

**Kevin Watson, Director of Public Works and Facilities
Township of North Huron
274 Josephine Street
Wingham, ON N0G 2W0**

until **2:00:59 p.m. (Local Time), Thursday, August 20, 2026**

The tender submission must include the information listed in the tender submission section.

The Township of North Huron reserves the right to accept or reject any or all tenders, and the right to negotiate the scope of work with any Contractor that submits a tender. Lowest price will not necessarily be accepted.

1.3 Withdrawal of Tender

Proponents will be permitted to withdraw their tender, unopened, after it has been deposited, if such a request is received by the Township of North Huron, in writing, prior to the time specified for the opening of tenders.

1.4 General Liability Insurance

The successful proponent must submit a General Liability insurance certificate in the name of the contractor, with the Township of North Huron and B. M. Ross and Associates Limited named as additional insureds, with limits of not less than **five million dollars** inclusive per occurrence for bodily injury, death, and damage to property including loss of use thereof, with a property damage deductible of not more than **\$5,000**. The form of insurance shall be the Insurance Bureau of Canada Form IBC 2100 or equal.

1.5 Workplace Safety and Insurance Board

The successful proponent must be in good standing with the Workplace Safety and Insurance Board and shall submit a current WSIB Clearance Certificate to the Township prior to commencing work.

1.6 Proponent's Responsibility

The successful proponent shall, in all respects, comply with all statutes, laws, and regulations applicable to the work and to persons employed on or in connection with the work, and pay all assessments required or levied by the Workplace Safety and Insurance Board, Revenue Canada, the Employment Insurance and specifically the Ministry of Labour.

1.7 Tender Deposit

The Contractor shall submit a certified cheque, bank draft, or bid bond, for an amount of **\$5,000**, with the tender documents. If a bid bond is submitted, upon award the Contractor shall provide a performance bond for 100% of the bid amount prior to formalizing the contract. If the Contractor chooses to submit a certified cheque in lieu of submitting a bid bond and performance bond, the funds will be held in lieu of a performance bond until the completion of the project.

1.8 Clarification

Any details in question on this tender or in the accompanying plans shall be clarified by the bidder prior to submitting the bid. The prices bid as tendered shall include the supply of all permits, labour, equipment, and materials where they are necessary to complete the contract. For technical questions related to tender documents, please contact:

Dale Erb, Project Manager
B. M. Ross and Associates Limited
Engineers and Planners
Ph: (519) 524-2641
derb@bmross.net

Questions shall be provided no later than 3 calendar days before the closing date.

1.9 Payment

Payment will be made as outlined on the tender form. The amounts to be included in interim monthly payment will be based on the amount of work completed, as a percentage of the tender amount and in the opinion of the Contract Administrator (BMROSS).

If there is a dispute amount the amount to be included in interim payments, the OPSS – MUNI 100, General Terms and Conditions for Municipal Project shall apply.

2.0 SCOPE OF WORK

The scope of work for this project shall include the supply of all materials and labour required to complete the construction of a new RV Dumping Station, at the site in Blyth, near the intersection of Robert Bell Lane and Aultman Lane within the community centre site. The price for the work shall be submitted as itemized within the schedule of items. The work shall be completed as detailed on the tender, drawings, special provisions, and shall include as other incidental work required to complete the project.

2.1 Materials

All materials supplied by the Contractor shall be as specified and conform with the applicable material specifications.

2.2 Warranty

The Contractor shall rectify any deficiencies or maintenance issues identified within the one year, excluding vandalism or other issues that are not the Contractor's fault. Upon completion, a one year warranty of the installation and the equipment shall be provided by the Contractor to the Owner. A warranty holdback equal to 5% of the tender cost will be withheld until a year after the work is completed.

2.3 Schedule

The schedule assumes the contract will be awarded in early September 2026, and the chosen Contractor will be permitting to proceed with site work any time after award of the work.

The Contractor shall complete all associated work as outlined in this Tender and on the Tender Drawings by: **October 30, 2026**

2.4 Pre-Construction Meeting

Upon award of the contract, and before commencement of the work, the Contractor shall arrange for a pre-construction meeting with the Township and the Contract Administrator.

2.5 Municipal Representatives

The contact for this Request for Tender will be Kevin Watson, Director of Public Works and Facilities, Township of North Huron at P: 519-357-3550 at kwatson@northhuron.ca.

2.6 Drawings

Enclosed Drawing No. 1 were prepared by BMROSS and Associates Limited.

2.7 Applicable Specification

Work shall be completed as per the applicable Ontario Provincial Standard Drawings, Ontario Provincial Specifications, and Ontario Electrical Code, and details as listed on the drawings or within the tender documents, unless approved otherwise by the Contract Administrator.

3.0 TENDER SUBMISSION AND DOCUMENTS

3.1 General

The submission shall include:

- Signed and completed Form of Tender
- WSIB Clearance Certificate
- Tender deposit or bid bond
- List of sub-contractors, if applicable
- List of references with contract information (minimum of 3)

The Township of North Huron reserves the right to accept or reject any or all tenders, and the right to negotiate the scope of work with any Contractor that submits a bid. Lowest price will not necessarily be accepted.

3.2 Tender Documents

Tender documents provided, including Applicable OPSS Specifications and CSA Standards to be reviewed by bidders prior to submission of a tender.

1. Information for Bidders; Parts 1 to 3
2. Form of Tender
3. Drawing 1
4. Special Provisions
5. Appendix A
6. Appendix B

**FORM OF TENDER FOR
TOWNSHIP OF NORTH HURON
BLYTH RV DUMPING STATION
CONTRACT NO. 24226**

A) Scope of Work:

The scope of work for this project shall include the following work within the village of Blyth, near the corner of Robert Bell Lane and Aultman Lane within the Blyth Community Centre Property. Refer to Special Provisions for additional specifications and details:

- Mobilization, demolition, and providing fencing around work site to satisfy Ministry of Labour.
- Excavation as required for new access, vehicle storage widening, and dumping station.
- Removals and disposal of all surplus materials, earth, etc. Contractor to dispose of all surplus materials in accordance with applicable regulations.
- Excavate for existing sanitary and water lines and completed connections for new servicing as required and as shown on the drawings.
- Supply and install new 25mm dia. water service including excavation, backfill, main stop, curb stop, service line, tracer wire, sample station, roadway restoration, etc. as required for complete installation.
- Supply and install new 125mm dia. sanitary service including excavation, backfill, tee, couplers, sleeve(s), riser pipe, fittings and bends for water trap, roadway restoration, etc. as required for complete installation.
- Supply and place Granular B for roadway and vehicle storage area.
- Supply and place Granular A for roadway and vehicle storage area.
- Size, supply, excavate for (as required), and install all required electrical work and conduits or teck-cable including new breaker, disconnect, and connections at existing panel, kiosk, locking cap, and permits.
- Excavate for, form and place concrete containment area and concrete pad for kiosk
- Install supplied Sani-star equipment including kiosk and locking cap as required.
- Site restoration of all disturbed areas.

Unless stated otherwise, the Contractor shall be responsible for supplying all labour, materials and equipment necessary to complete the work required. The cost to complete all the work required shall be divided into the items listed below.

B) Schedule of Items and Prices:

Item	OPSS Spec. #	Description	Qty./Unit	Price	Amount
1	100, 706	Lump sum for mobilization, demobilization, environmental protection, fencing around work area to MoL requirements, traffic control and other requirements.	1 L.S.		\$ _____
2	180, 201, 206, SP	Excavation as required for new access, vehicle storage widening, and dumping area including removals and disposal of surplus materials.	100 m ³	\$ _____	\$ _____
3	314, SP	Granular A	80 t	\$ _____	\$ _____
4	314, SP	Granular B Type 1	160 t	\$ _____	\$ _____

Item	OPSS Spec. #	Description	Qty./Unit	Price	Amount
5	401, 409, 410, 492, 517, SP	Supply, excavate for and place PVC SDR-35 sanitary service pipe including granular bedding, granular embedment, riser pipe, all fittings, bends, elbows, tees, sleeves, and connections to existing, native backfill, and restoration of Robert Bell and Aultman Lane.	22 m	\$ _____	\$ _____
6	441, 517, 401, 492, SP	Supply, excavate for, and place 25mm water service tubing including granular bedding, granular embedment, and all required connections, curb stop, tee, couplers, fittings, main stop, sample station, cathodic protection, disinfection, flushing, native backfill, and restoration of Robert Bell and Aultman Lane.	18 m	\$ _____	\$ _____
7	906, 908, SP	Supply and place bollards complete	6 Ea.	\$ _____	\$ _____
8	351, 904, 905, 919, 1350, SP	Supply and place concrete containment area and kiosk pad (200mm)	6 m ²	\$ _____	\$ _____
9	SP	Supply and install all required electrical including wiring, conductor, grounding, breakers, disconnects, conduits or teck cable, and all connections to applicable codes.	1 L.S.		\$ _____
10	SP, Appendix A	Install all supplied Sani-Star equipment including kiosk, locking cap, and all connections.	1 L.S.		\$ _____
11	490, 510, 802, 803, SP, Appendix B	Complete abandonment of existing dumping station	1 L.S.		\$ _____
12	314, 802, 804, SP	Site clean-up and restoration with topsoil and seed	1 L.S.		\$ _____
13	100	Insurance	1 L.S.		\$ _____
14	SP	Contingency Allowance, only used if there are scope of work increases to the project that are approved by the Owner	1 L.S.		\$ 5,000.00
SUB-TOTAL					\$ _____
13% HST					\$ _____
TOTAL TENDER					\$ _____

C) OPS Specifications, Information, and Standard Drawings

OPSS 100 (General Conditions of Contracts)
 OPSS 180, 206, 314, 401, 409, 410, 492, 517, 441, 351, 802, 804 (Item related specifications)
 OPSD N/A
 Appendix A Sani-Star
 Appendix B Abandonment of Existing RV Dumping Station

D) Contract Drawings

BMROSS Project No.24226, Drawing Nos. 1 to 2

E) Terms of Tender

Completion Date: October 30, 2026

Maintenance / Lien Holdback: 10% for 60 days

Warranty holdback of 5% for one year after completion of work.

F) Bonding and insurance

A bid bond or a security deposit must be submitted with a bid. The security deposit may be provide in the form of a certified cheque or bank draft made out to the Township in the amount of \$5,000.

A performance bond for 100% of the tender amount shall be provided or alternatively the tender deposit will be held as a surety until the project is complete.

The Contractor must provide proof of general liability insurance for a minimum amount of \$5,000,000 that lists the Township and BMROSS as additional insured on this project.

The bonding and insurance requirements for this project shall satisfy OPSS 100.

G) Total Tender Price + HST \$ _____

(insert total tender price from page 2)

_____ hereby certifies that the information given on this Tender and any documents attached is true, correct and complete in every respect.

Dated at _____, this _____ day of _____, 2026.

Signature of Contractor

Signature of Witness

Company Name

SPECIAL PROVISIONS

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GENERAL

SITE RESTRICTIONS, ACCESS AND TIDINESS

The Contractor shall be responsible for damage caused to asphalt, concrete, brick and other surfaces by Construction related activities, including at material storage locations and haul roads. The Contractor shall take all required measures to protect existing and new surfaces from damage. Hard surfaces shall be fully protected from damage by the contractor including but not limited to asphalt, concrete areas, brick, etc. Any damaged area shall be repaired at the Contractors expense, to the satisfaction of the Contract Administrator and Owner.

MANAGEMENT OF EXCESS MATERIALS-GENERAL

The Contractor's management of excess materials shall be in accordance with OPSS.MUNI 180, Ontario Regulation 153/04 and Ontario Regulation 406/19 under the Environmental Protection Act (EPA) and the Rules for Soil Management and Excess Soil Quality Standards (Soil Rules) that form part of O.Reg. 406/19. Also see the earth excavation item.

On-site and excess soil management is governed by O. Reg. 153/04 and O. Reg. 406/19 under the EPA. The Soil Quality Standard Tables for the soil are governed by O. Reg. 153/04.

Schedule 2, Non-Application of Section 8 of O. Reg 406/19 is applicable to this project. As such, a Notice under Section 8 of O. Reg 406/19 will not be filed.

OPSS.MUNI 180.07.04 Conditions on Management

Management of excess material by open burning is not permitted.

All excavated material shall become the property of the **Contractor**, and the Contractor's unit price bid for the item shall include the cost of loading, hauling, dumping.

1. **Earth material** shall be disposed of by the Contractor, outside the contract limits.
2. **Asphalt** shall be disposed of by the Contractor, at an approved site outside the contract limits.
3. **Concrete** shall be disposed of by the Contractor outside the contract limits.

RESTORATION

When noted in the Form of Tender or identified in the Special Provision, the unit price bid for the appropriate item(s) shall include complete restoration. All restoration shall be as noted below in the General Restoration Requirements.

Restoration Beyond the Limits of General Grading Operations

When noted in the Form of Tender or identified in the Special Provisions, the unit price bid for the appropriate item(s) shall include restoration beyond the general grading operations. Contract items are provided for the restoration of work **within** the general grading operations. Restoration of areas **beyond** the general grading operations shall be included in the unit price of the item. Areas beyond the general grading operations include, but are not limited to, stockpile locations, areas disturbed by equipment or material storage sites or service connections. All restoration shall be as noted below in the General Restoration Requirements.

General Restoration Requirements

All restoration shall be in accordance with OPSS 492 and the following:

- (a) Lawn Areas -- 100 mm of approved topsoil levelled and graded to conform to the existing ground, followed by seed and mulch approved by the Contract Administrator.
- (b) Non-lawn, Non-roadway areas -- 100 mm of approved topsoil levelled and graded to conform to the existing ground, followed by an approved seed and mulch cover application.
- (c) Where required, road restoration shall be 450 mm minimum of imported Granular B Type I, 150 mm of imported Granular A, 50mm of HL-4 Base asphalt and 40mm of HL-3 surface asphalt.
- (d) Where existing driveway or pathway is paved -- 300 mm minimum of imported Granular B Type I, 150 mm of imported Granular A, and 50 mm of HL-3.
- (e) Concrete sidewalks – 150 mm minimum of imported Granular A. 32 MPa concrete with crushed limestone refer to OPSD 310.010 and 310.020 for concrete depths.
- (f) Where existing driveway is gravel -- 300 mm of imported Granular B Type I; and 150 mm of imported Granular A.
- (g) Where existing driveway is concrete -- 300 mm minimum of imported Granular B Type I and 150 mm of imported Granular A; for residential drives -- 150 mm of 32 MPa concrete with crushed limestone; and for commercial drives -- 200 mm of 32 MPa concrete with crushed limestone. Provisional wire mesh and dowels shall be added where required by the Contract Administrator.
- (h) Where existing driveway is brick or unit pavers – 300 mm minimum of imported Granular B Type I and 150 mm of imported Granular A and 25 mm to 38 mm of limestone screening and match existing patterns.
- (i) All disturbed or damaged concrete structures, such as sidewalks, curbs and gutter, etc., shall be removed and replaced including 125 mm of Granular A.
- (j) Prior to the expiration of the maintenance holdback, the Contractor shall repair all settlements. Settlements of lawns, non-lawns or non-roadway areas shall be restored by applying sufficient topsoil to the settled area followed by an application of approved seed and mulch. Asphalt settlements shall be restored by milling the deficient area followed by the placement Hot Mix Asphalt (HMA). All repairs shall be in accordance with OPSS 802, OPSS.MUNI 804, and OPSS 310.
- (k) Salvaged granular material shall not be used above sub-grade or re-used as Granular B Type I unless a granular analysis is performed at the Contractor's expense.

NOTE

- In (a) and (b) above, it will be the Contractor's responsibility to ensure a catch of grass at the termination of the contract.
- The specified cover material for the seeded areas shall be bonded fibre matrix (soil guard or approved equivalent).
- The Contract Administrator/Owner may request the delay of the sod placement during hot and dry weather conditions. No additional payment or penalty will result from the delay.
- All asphalt surfaces shall be saw-cut prior to resurfacing.
- All concrete structures shall be saw-cut prior to replacement.

PROTECTION OF TREES

The Contractor's operations shall not cause damage to the roots, trunk or branches of trees, or flooding or sediment deposits on areas where trees are not designated for removal.

Protective measures shall be taken to safeguard trees from contract operations, equipment and vehicles. Unless stated elsewhere in the contract, equipment or vehicles shall not be parked, repaired, refuelled, construction materials shall not be stored, and earth materials shall not be stockpiled within the dripline area of any tree not designated for removal.

Where the contract requires work within the dripline of trees, operation of equipment shall be kept to the minimum necessary to perform the work required. Limbs that are to be removed shall be cut back cleanly to the 'collar'. Roots that are exposed shall be cut back cleanly. Pruning of limbs and roots shall be done with sharp tools designed for the purpose. Pruning and root removal by excavating equipment is not allowed.

Bark that is damaged by the Contractor's operation shall immediately be neatly trimmed back to uninjured bark, without causing further injury. Tree damage shall NOT be treated with wound dressing.

PROTECTION OF ROADWAY

The Contractor's operations shall not cause damage to the municipal road or gravel parking areas and the Contractor shall protect these surfaces as required to ensure there is no damage to the existing surfaces.

ITEM NO. 1 – MOBILIZATION, DE-MOBILIZATION, FENCING AND ENVIRONMENTAL PROTECTION

For the lump sum price bid, the Contractor shall move in any equipment, tools, structures, etc. required to complete the work. This shall include all safety, traffic and pedestrian control measures. The proponent shall maintain the construction equipment, lay-down area, work site, portable toilet. No site office is required for the municipality or their agents.

At the completion of the work, the Contractor shall remove all equipment and temporary materials and structures, and restore all surfaces to original condition. The Contractor shall clean all work and storage areas of potentially hazardous material such as metal or sharp stone chips.

The price tendered for "Mobilization and Demobilization" shall include the following:

- Move in of equipment required to perform the work including any temporary loading or off-loading structures required to supply the worksite with equipment, materials and workers.
- All safety and traffic control measures, toilet and hygiene facilities.
- Maintenance of construction equipment and worksite.
- Move out of equipment and temporary structures from site upon completion of work.

- Cleanup and restoration of all work areas to their original conditions after contract has been successfully completed unless otherwise stated in the specifications, to the satisfaction of the Contract Administrator and Owner. The Contractor must be fully demobilized by the completion date specified.

The total lump sum payment for this item shall be paid as follows:

Mobilization	60%
De-mobilization	40%

ITEM NO. 2 – EARTH EXCAVATION AND REMOVALS

SPECIFICATION

OPSS. MUNI 180, OPSS. MUNI 206, OPSS. MUNI 501, OPSS. MUNI 510, OPSS. MUNI 902

MANAGEMENT OF EXCESS MATERIALS

The volume of excess soils is expected to exempt the project from Section 8 of O.Reg. 406/19.

SCOPE

The Contractor shall perform all excavating, placement and disposal of excess material as may be necessary to complete the proposed work.

For the lump sum/unit price bid, the Contractor shall supply all labour, equipment, and materials to complete the excavation, place and compact any salvaged material and disposal of excess soils that is not suitable for re-use on site (in the opinion of the Contract Administrator) and submission of documentation to satisfy OPSS.MUNI 180.

With regards to disposal of excess soils and documentation required, the Contractor will be responsible for submitting documentation to the Contract Administrator OPSF 180-1 or OPSF 180-2 as may be applicable.

ITEM NOS. 3 & 4 - GRANULAR A AND GRANULAR B TYPE I

For the unit price bid, the Contractor shall supply all labour equipment and materials required to place, fine grade and compact Granular A and Granular B Type I materials required in the roadway for roadbed, subdrains, shouldering, driveways, under the concrete containment and slab, which are applicable to this project as per OPSS.MUNI.314. All other Granular A or Granular B Type I materials required shall be included in the unit prices bid for those items where material is required.

Granular material shall be compacted to a minimum dry density of 100%.

Gravel Ticket Requirements

- A minimum of 2 copies of the weigh tickets shall be delivered to the site. One copy is to remain with the Contract Administrators site representative.
- Source of material
- Description/type of granular material shall be noted on the ticket
- Intended use of material shall be noted on the ticket

- Truck number/driver or some other form of identification shall be noted on the ticket
- Gross tonnes, Tare tonnes and Net tonnes shall be noted on the ticket
- Must be legible
- Must be submitted daily

Measurement for Payment

Measurement for Granular A and Granular B shall be by the tonne based on tickets provided upon delivery of the material to the site. Granular tickets **must be submitted daily** to ensure payment. Illegible tickets may be considered invalid.

ITEM NO. 5 – INSTALLATION OF SANITARY SERVICE

For the unit price bid, the Contractor shall supply all labour, equipment and materials for the complete installation of the sanitary service as indicated on the drawings. The size of the service is as noted on the Form of Tender. The unit price bid shall also include the cost of the main line service tee and all required sleeves, connections, fittings, elbows, bends, etc.

Service tees for use with flexible mainline sewer pipe shall be factory manufactured tees. All required reducers shall be included in the unit price bid for this item.

The service connection shall be as per the drawing detail.

Pipe Material

Pipe material for sanitary sewer services shall be polyvinyl chloride (PVC) SDR-28 – coloured green or use green demarcation tape or stencil.

Bedding and Backfill

Embedment material shall be Granular A to 300 mm above the top of pipe.

Embedment material shall be placed in uniform layers not exceeding 200 mm in thickness, loose measurement, and compacted to 95% of the maximum dry density before a subsequent layer is placed.

Backfill shall be native material and it shall be compacted to a minimum dry density of 95%. Backfill shall be placed in uniform layers not exceeding 300 mm in thickness for the full width of the trench and compacted to the specified density before a subsequent layer is placed.

Compaction

Compaction shall be as per OPSS.MUNI 501 – Construction Specification for Compacting. The type of compaction equipment used shall be suited to the material to be compacted, degree of compaction required, and space available. Selection of compaction equipment shall be determined by the Contractor with a list of the proposed equipment being submitted at the pre-construction meeting.

Backfill shall be placed to a minimum depth of 900 mm above the crown of the pipe before power operated rolling equipment shall be used for compacting.

Installation of Services

For the unit price bid, the Contractor shall include the cost of connecting to the existing sewer including all fittings, tees, sleeves, cutting, removals, etc. to complete the connection.

Restoration

Restoration shall be as outlined under General SP - Restoration.

ITEM NO. 6 – WATER SERVICE INSTALLATION

The Contractor shall comply with the Safe Drinking Water Act (SDWA) and all applicable regulations made in accordance with that act, including but not limited to the Drinking Water Works Permit (DWWP), the Municipal Drinking Water Licence (MDWL) and the most current version of ANSI/AWWA C651-Disinfecting Watermains. Both the DWWP and the MDWL can be made available to the Contractor by the Contract Administrator upon request. For the purpose of the DWWP Condition 2.3, the most recent version of the Ministry of the Environment, Conservation and Parks "Watermain Disinfection Procedure", supersedes ANSI/AWWA C651-Disinfecting Watermains.

All chemicals and materials used in the alteration or operation of the drinking water system that come into contact with water within the system shall meet all applicable standards set by both the American Water Works Association ("AWWA") and the American National Standards Institute ("ANSI") safety criteria standards NSF/60, NSF/61 and NSF/372.

Watermains that form part of a Drinking Water System can only be isolated and placed into service by Certified Operators. Activities performed on isolated watermains are not required to be performed by Certified Operators.

The Contractor shall obtain the approval of the Overall Responsible Operator (ORO) of the Operating Authority of the proposed disruption of service to make all connections to the existing distribution system.

The service construction shall be staged to minimize water service disruption to residences. A minimum of 24 hours in advance, as to when these disruptions will occur. All costs associated with providing notice to the property owners shall be borne by the Contractor.

Only authorized Operating Authority personnel shall operate valves on existing watermains for the purpose of controlling water. No person other than the authorized Operating Authority personnel shall shut down or charge any section of existing watermain or operate any valve for the purpose of controlling water from existing watermains.

The Contractor shall provide the Overall Responsible Operator (ORO) of the Operating Authority at least 48 hours advance notice when a change in control of the water is required. All necessary water supply interruptions shall be scheduled in co-operation with the local Operating Authority.

Prior to site activities, the Contractor shall submit a Work Plan for review by the Contract Administrator related to how they plan to connect to the existing watermain. The Contractor

may need to, at their own expense, excavate for and expose the existing watermain to confirm the class of pipe.

MATERIALS

Sample Station

Supply and installation of sample station (Eclipse N°88 by Kupferle Foundry Company) or approved equal.

Tracer Wire

For direct bury installations of services, the tracer wire shall be Type TWU, No. 12/7 stranded copper conductor with thermoplastic insulation, in accordance with CSA C22.2 No. 75, colour shall be blue, rated for underground use. Ground rods shall be the Copperhead Ground Rod 12-AWG, Part No. ANO-12 c/w 1.5lb drive in magnesium ground rod with HDPE cap and 20 feet of 12-AWG Copperhead CCS wire, or approved equivalent.

All materials for shall be supplied by the Contractor. All materials supplied under this contract shall comply with the latest edition of the applicable AWWA standard. Oils and lubricants used in assembly shall be 'Food Grade' and shall comply with the latest edition of NSF/ANSI Standard 61. **No substitutions without the Contract Administrator's approval or the approval of the Operating Authority.**

Services 25 mm.

- Main Stops – Full port ball, Model No. H-15008 by Mueller, Ford Model No. F1000 or equivalent. C.C. thread inlet/compression joint outlet.
- Curb Stop - Full port ball valve Model No. H-15209 by Mueller or Ford Model No. B-44 or equivalent. Compression joint inlet/compression joint outlet.
- Pipe - to be Cross-linked polyethylene (PEX) conforming to AWWA C904. The unit price shall include the cost of supply and installation of tracer wire.
- Service tubing shall be installed to a minimum depth of 2.0m cover.
- Service Boxes - Model No. A-726 by Mueller or Concord-Clow Model No. D1. Service box with 25 mm steel upper section. Box lids shall be regular ribbed with brass pentagon plugs.
- Couplings to be compression style; Model No. H-15403 by Mueller or Model No. C-44 by Ford or equivalent. (Note that no couplers are permitted on water services between the main stop and curb stop.)

Underground service line valves and fittings shall be in accordance with AWWA C800. Model numbers shall be stamped on all valves and materials.

CONSTRUCTION

Excavation

All excavated material not required for backfill shall be disposed of as outlined under the General SP – Management of Excess Materials. The cost of this work shall be included in the bid per metre of watermain.

Bedding, Embedment and Backfill

Bedding and embedment shall be as per OPSD 802.010, 802.013, or 802.014 for **flexible pipe** for whichever soil type is applicable.

Bedding and embedment material shall be Granular A. Cover material shall be approved granular material to 300 mm above the top of pipe. Bedding and cover shall be placed in uniform layers not exceeding 200 mm in thickness, loose measurement, and compacted to 95% of the maximum dry density before a subsequent layer is placed.

Backfill shall be select native material and shall be compacted to a minimum dry density of 95%. Backfill shall be placed in uniform layers not exceeding 300 mm in thickness for the full width of the trench and compacted to the specified density before a subsequent layer is placed.

All excavated material not required for backfill shall be disposed as outlined under the General SP – Management of Excess Materials. The cost of this work shall be included in the unit price bid.

Compaction

Compaction shall be as per OPSS.MUNI.501 – Construction Specification for Compacting. The type of compaction equipment used shall be suited to the material to be compacted, degree of compaction required, and space available. Selection of compaction equipment shall be determined by the Contractor with a list of the proposed equipment being submitted at the pre-construction meeting.

Backfill shall be placed to a minimum depth of 900 mm above the crown of the pipe before power operated rolling equipment shall be used for compacting.

Installation of Services (MECP Watermain Disinfection Procedure Section 1.6)

For service pipes of diameter less than 100 mm, Operating Authorities shall ensure that sanitary conditions are maintained during installation/repair, and that Flushing is conducted before they are placed into service.

For the unit price bid per each, the Contractor shall include the cost of cutting the existing main, installing a new tee where applicable, corporation stops and curb stops c/w service box, including all connections.

For the unit price bid per lineal metre, the Contractor shall include the cost of installing water service tubing by means of trenching. All services shall be installed to a depth as noted on the Watermain Materials Specification.

All servicing tubing shall be disinfected in the presence of the Contract Administrator before installation. The Contractor shall provide 48 hours' notice before making these connections.

Cathodic Protection

<u>Appurtenance</u>	<u>Method of Protection</u>
Services Each non-metallic service	One anode per each main stop and each curb stop

- Anode sizes shall be 5.5 kg

Cathodic Protection Installation

Connect to main stops or curb stops with the electrical ground connections supplied. Place anode in trench a minimum of 500 mm from pipe, valve, fitting, etc. Complete installation shall conform to anode manufacturer's recommendations.

Tracer Wire Installation

Tracer wire shall be installed along each main line, valve box or chamber.

No splices will be allowed.

Ground rods are required on all dead-ends of tracer wires.

Conductivity Test

Before the final connection to the existing main, the Contractor shall demonstrate the integrity of the new underground tracer wire by applying a conductivity signal and confirming the signal correlation on all watermains and services. The Owner and the Contract Administrator must witness the conductivity test(s).

Restoration

Restoration shall be as outlined under the General SP-Restoration

BASIS OF PAYMENT

The unit price bid shall include all costs incurred in excavating for, placing, backfilling, connecting, and disinfection of all fittings, as outlined in OPSS.MUNI 441, and restoration.

The unit price bid per lineal metre shall include the cost of all granular bedding and backfill up to subgrade and/or original ground. All costs of compaction and water shall be borne by the Contractor.

ITEM NO. 7 – SUPPLY AND PLACE BOLLARDS

SPECIFICATION

OPSS.MUNI 906, OPSS.MUNI 908

SCOPE

The Contractor shall supply and install bollards as per the drawings.

MEASURE FOR PAYMENT

Payment will be made per bid price for each item.

BASIS OF PAYMENT

Payment for this item shall be made at the unit price bid, and shall be full compensation for all materials, labour and equipment required to complete the work.

ITEM NO. 8 - CAST-IN-PLACE CONCRETE (CONTAINMENT AREA AND KIOSK PAD)

SPECIFICATION

OPSS.MUNI 351, OPSS.MUNI 904, OPSS.MUNI 905, OPSS.MUNI 919, OPSS.MUNI 1350

SCOPE

The Contractor shall perform all operations and supply all materials required to construct the new concrete elements as shown on the drawings. These operations and supply of materials include, but are not limited to, the forming of concrete, placement and compaction of concrete, the finishing, stripping and polishing of concrete, curing, testing, etc.

Included in this item is the supply and placement of all embedded works including, but not limited to, anchorages, hardware to anchor posts, handrail anchors, structural anchorage for grating, etc.

All concrete forms on exposed surfaces of the structure shall consist of new 19 mm plywood or adequately sized planks with a smooth face that is free from defects. Used materials must be in good condition and shall only be permitted with the approval of the Contract Administrator.

The Contractors are to note that the top surface of the pad is to be set at desired grade with a straight edge and finished with an aluminum float or trowel. Screed grades shall be as indicated or as otherwise approved but must slope as designed.

All concrete shall be wet cured for at least seventy two (72) hours by submersion, water sprinkling or covering with saturated, absorbent fabric and plastic sheeting. In the event that cracks appear within six (6) weeks of any concrete pour and it has been determined by the Contract Administrator that the Contractor has not provided one hundred percent (100%) saturation of the concrete surfaces for the ninety-six (96) hours required upon pouring, it shall be assumed that the cracks have resulted from the Contractor's negligence. Under such circumstances the Contractor will be required to provide and pay for mitigation measures to the satisfaction of the Contract Administrator and at no cost to the Corporation. Mitigation measures are likely to include crack sealing and surface sealing with products and methods approved by the Contract Administrator.

All concrete shall be placed as per the Contract Drawings, unless otherwise approved by the Contract Administrator.

All exposed concrete corners shall be chamfered at 25 mm.

All concrete used for this item shall be CSA exposure class C-1 with a compressive strength of 35 MPa at twenty-eight (28) days.

The Contractor shall submit concrete mix designs for approval by Contract Administrator. The Contractor Administrator will arrange for testing of the concrete if the client decided it is necessary.

The costs for Concrete testing shall be included under this item. Sampling on site and laboratory testing shall be done by a company certified by CSA for such work. Testing shall include air entrainment, slump and compressive strength and shall be in conformance with OPSS.MUNI 1350.

If cold or hot weather concrete conditions arise, the applicable sections of Ontario Provincial Standard Specifications Muni 904 shall be followed to ensure the curing concrete stays within specified temperature ranges. Plans for curing the concrete under such conditions shall be provided to the Contract Administrator a minimum of two (2) weeks in advance of any concrete placement. The Contractor will not receive additional compensation to either schedule the placement of concrete when suitable temperatures are present or implement protective measures to control the temperature of the curing concrete.

The Contractor shall supply, place, fine grade and compact both Granular 'A' for the base/bedding of all concrete and Granular 'B' material. The level of compaction shall be to a minimum of ninety-eight percent (98%) of the maximum Proctor dry density for the granular placed. The Contractor shall be responsible for the supply of water if it is required for compaction purposes. The Contractor shall be responsible for coordinating all compaction testing and sampling.

Measure For Payment

Measurement shall be made on the square metre basis.

Basis Of Payment

The quantity of concrete to be paid shall be based on the square metre basis and shall include full compensation to supply all the materials and complete the work as required as shown on the drawings and as detailed above including bedding and backfill.

ITEM NO. 9 – SUPPLY AND INSTALL ELECTRICAL

SPECIFICATION

All electrical work, materials, and equipment shall conform to OPSS.MUNI 106, OPSS 614, OPSS 2414, and the latest edition of the Ontario Electrical Safety Code (OESC).

SCOPE

The Contractor shall supply and install all required electrical components required to complete the project including the following:

- Supply and install one (1) 15A, 120V single-pole thermal-magnetic circuit breaker into the existing panelboard. Breaker shall be CSA-approved and certified for direct match/compatibility with the existing panel manufacturer.
- Wiring/conductors shall be copper, rated 600V (RW90/XLPE), min. #14 AWG copper, installed per OPSS 2409 and OPSS 614.
- Circuit terminations, neutral/ground bus connections, and wire connectors shall comply with CAN/CSA C22.2 No. 65 and OPSS 609.
- Supply and installation of a disconnect and connections to all Sani-Star equipment.
- The contractor shall obtain all necessary ESA permits and notifications prior to commencement and provide a final ESA Certificate of Inspection upon completion per OPSS.MUNI 106.

MEASURE FOR PAYMENT

There will be no measurement for the completed work.

BASIS OF PAYMENT

Payment for this item shall be made at the lump sum price bid, and shall be full compensation for all materials, labour and equipment required to complete the work.

ITEM NO. 10 – INSTALLATION OF SANI-STAR EQUIPMENT AND SIGNAGE

SPECIFICATION

All applicable OPSS standards. Refer to Appendix A.

SCOPE

The Contractor shall install the Township supplied equipment including the following:

- Kiosk installation including stainless steel anchoring, levelling, etc. as per manufacturer recommendations.
- Locking cap installation including anchoring as per manufacturer recommendations.
- Supply and install sign and sign post. Contractor to look after manufacture of sign.

MEASURE FOR PAYMENT

There will be no measurement for the completed work.

BASIS OF PAYMENT

Payment for this item shall be made at the lump sum price bid, and shall be full compensation for all materials, labour and equipment required to complete the work.

ITEM NO. 11 – COMPLETE ABANDONMENT OF EXISTING RV DUMPING STATION

SPECIFICATION

OPSS.MUNI 490, OPSS.MUNI 510, OPSS.MUNI 802, OPSS.MUNI 803

SCOPE

The Contractor shall remove and dispose of the existing concrete slab (1.8 m × 6 m, 200 mm thick pad). Excavate to 1.5 m below grade and cut and cap the 125 mm sanitary service and 25 mm water service, including all excavation and backfill of disturbed areas. If the curb stop is located outside of the asphalt area and within 3 metres of the pad, remove piping to the curb stop. Excavate and dispose of surplus gravel to 100 mm below grade. Supply and place screened topsoil, fine grade, ensure positive drainage, and apply seed and mulch. Use salvaged granular to restore the 0.75 m wide shoulder. All placed material is to be compacted to 98% SPMDD.

MEASURE FOR PAYMENT

Measurement for payment will be on a lump sum basis for the complete abandonment and site restoration of the existing RV dumping station.

BASIS OF PAYMENT

Payment for this item shall be made at the lump sum price bid, and shall be full compensation for all materials, labor, and equipment required to complete the work.

ITEM NO. 12 – SITE CLEAN-UP AND RESTORATION**SPECIFICATION**

OPSS.MUNI 314, OPSS.MUNI 802, OPSS.MUNI 804

SCOPE

Following the completion of the work the Contractor shall restore all disturbed surfaces in accordance with the General Restoration Requirements listed in the Special Provisions.

The Contractor shall place topsoil and seed, on all disturbed surfaces with the exception of any hard surface.

Included in this item is the restoration of roadways and grassed areas disturbed by construction activities.

Topsoil used shall be imported screened topsoil that is not contaminated with clay or other materials as confirmed by the Contract Administrator. The Contractor shall fine grade the areas to be topsoiled as directed and to the limits agreed upon by the Contract Administrator. The Contractor is to uniformly spread and rake the topsoil to a minimum depth of 100 mm.

Seeding and application of cover is to be completed with the standard roadside mix and at the application rate listed in OPSS 802. The Contractor is to use a standard hydraulic or straw mulch cover.

MEASURE FOR PAYMENT

There is no measurement for this item as it is a lump sum item.

BASIS OF PAYMENT

Payment for this item shall be made at the lump sum bid and shall be full compensation for all materials, labour and equipment required to complete the work.

ITEM NO. 13 - INSURANCE

For the lump sum price bid, the Contractor shall provide indemnification, insurance for the contract as specified in the OPSS.MUNI 100 General Conditions, the Supplemental General Conditions and as noted below. The insurance shall be supplied by the Contractor to the Contract Administrator upon the return of the signed Contracts.

GC 6.02 – Indemnification

In addition to the Owner and the Contract Administrator, GC 6.02.01 shall be amended with the inclusion of the following to be indemnified and held harmless by the Contractor:

- None

For this contract the indemnification period shall expire at 6 years from the date of certification of Final Acceptance.

GC 6.03 – Contractor’s Insurance

As per GC 6.03.01.01, the requirement for the following additional insurance coverages are as follows:

- GC 6.03.04 – Aircraft and Watercraft Liability Insurance – Not applicable
- GC 6.03.05 – Property and Boiler Insurance – Not applicable
- GC 6.03.06 – Contractor’s Equipment Insurance - Applicable

GC 6.03.02 – Commercial General Liability Insurance

In addition to the Owner and the Contract Administrator, GC 6.03.02.01 shall be amended with the inclusion of the following as additional insureds:

- None

Ontario Regulation 303/18 Forms 31 and 32 can be found at:
<http://ontariocourtforms.on.ca/en/construction-lien-act-forms/>

Payment under this item will be made with the first payment certificate.

ITEM NO. 14 – CONTINGENCY ALLOWANCE

A lump sum allowance has been made for contingencies in the contract. Only those additional items approved in writing on behalf of the Owner, by the Contract Administrator, will be expended from this allowance.

APPENDIX A

SANI STAR GENERIC SITE PLAN



SITE PLAN FOR INSTALLATION

- **DESIGNATED PEDESTAL LOCATION FOR ALL LOCATIONS:** Prior to installation the Customer should designate a location for permanent placement of Sani-Star's pedestal / kiosk. This location should be on a flat surface, preferably concrete, in a location within 3 to 6 feet of the existing RV dump cap. When designating pedestal and kiosk location, consideration should be given to ease of use by end customer; proximity to the RV dump cap is important. *(NOTE: Do not designate the location inside of the RV dump cap basin).*

Here are two examples of typical pedestal locations:



- **MAIN POWER PRE-INSTALLATION LOCATION:** Main power for the Sani-Star system should be located close enough to the designated pedestal that the Customer's electrician can easily make final connection to junction box located on the back side of the Sani-Star pedestal *(NOTE: **The Sani-Star Locking Cap fits to a 4" RV dump hole.** Junction box is located approximately 12" above grade on the back side of Sani-Star pedestal).*
- **POWER SPECIFICATIONS:** Sani-Star's power specifications are very simple:
 - Sani-Star's system requires a circuit providing 110 volt AC, 60 hertz. The system current draw will be less than 5 amps and nominally our system uses less than 1 amp constant draw
 - Typically power needs to be stubbed out within 24" to 36" of the designated pedestal location in order to allow the Customer's electrician easy final connection to the junction box located 12" above grade on the back of the Sani-Star pedestal



- The pedestal is most effective and user friendly if located within 4 to 6 feet of the RV dump cap
- Have a flat concrete surface accessible for mounting the pedestal bracket
- **SANI-STAR INSTALLATION NOTIFICATION:**
 - A Sani-Star representative will contact Customer's construction department representative (designated by the Customer) via email or phone approximately 3 days prior to arrival of the system at the installation location; this notification is intended to give notice to the electrician in preparation for final connection to Sani-Star kiosk after the Sani-Star system is installed on site.



APPENDIX B

EXISTING RV DUMPING STATION

24226

Blyth RV Dumping Station

Removal of Existing Dumping Station – Gypsy Lane

Location



Scope of Work



Remove and dispose of concrete slab (1.8m x 6m- 200mm thick pad). Excavate to 1.5m below grade and cut and cap 125mm sanitary service and 25mm water service including excavation and backfill of disturbed areas. If curb stop is located outside of asphalt area and within 3 metres of pad, remove piping to curb stop. Excavate and dispose of surplus gravel to 100mm below grade. Supply and place screened topsoil, fine grade, ensure positive drainage, and apply seed and mulch. Use salvaged granular to restore 0.75m wide shoulder. All placed material is to be compacted to 98% SPMDD.