



**Material Recovery Area Expansion, Noëlville Landfill
#2019 – 14**

Tender Addendum No. 001

Date: Wednesday June 5th, 2019

IMPORTANT: Tenderers are required to acknowledge this tender addendum prior to the Tender Closing Date - failure to acknowledge may constitute grounds for rejection of Tender.

Acknowledgment may be made if your Tender has been submitted prior to receipt of this addendum. The acknowledgment must state whether the price contained in your sealed Tender is to remain unchanged or by how much it is to be increased or decreased in value.

Acknowledgements must be sent by facsimile to 705-898-2181 or email to webmaster@frenchriver.ca prior to the Tender Closing Date

Further to Request to Tender Number (**2019 – 14**), Tenderers are advised of the following change(s) or clarification(s) to the Tender Documents.

Amendments:

1. Submission Details (page 10)

- B. Installation of retaining wall for new waste bin bays: 50 Blocks
- C. Gran A as backfill to retaining wall
- D. Gran A as backfill to retaining wall
- E. Supply and installation of new concrete pads

2. Submission Details (page 13)

- Gran A to be filled in as a taper as backfill **Detail 1 Page C-03 from top, 1m out to 0.61m at bottom.**

3. Submission Details (page 14)

- Gran A to be filled in as a taper as backfill **Detail 1 Page C-03 from top, 1m out to 0.61m at bottom.**

Supply and Installation of Granular A Material for Concrete Pads

- As shown on Drawings C-01, C-02, C-03, and C-04.
- Base Course: Minimum 300 mm, Granular A.
- Excavate existing granular material where indicated and dispose on-site as directed by OWNER.
- Supply and install new granular material for base of concrete.
- No payment made for oversupply of material.

Supply and Installation of Concrete Pads (Pads #1 and #2)

- As shown on Drawings C-01, C-02, and C-03.
- Detailed material and installation specifications provided on Drawing C-04.

All other terms and conditions remain unchanged.

[end of Tender Addendum]

We hereby acknowledge receipt of the above referenced Addendum to the Request to Tender and the Tender Addendum shall be incorporated into our Tender submission.

Name of Contractor Company: _____

Signature of Authorised Representative: _____

Name/Title [print]: _____



Request for Tender

For: Material Recovery Area Expansion, Noëlville Landfill

Request #2019 – 14

Friday May 21st, 2019

Municipality of French River

44 St. Christophe Street

P.O. Box 156

Noëlville, ON

P0M 2N0

Table of Contents

Table of Contents

Confidentiality Statement.....	3
Submission Details	3
Submission Deadlines and Methods.....	3
Pre-Bid Meeting	3
Submission Delivery Address, Submission Questions and Clarifications.....	4
Submission Opening	4
Amendment and Withdrawal of Submission.....	4
Introduction and Executive Summary.....	4
Business Overview & Background	5
Assumptions & Constraints.....	5
Terms and Conditions	5
Health and Safety.....	6
Selection Criteria.....	7
Approval for Release.....	Error! Bookmark not defined.
Declaration.....	8
Schedule “A” – Price, Timetable and Deliverables	10
Schedule “B” – Scope of Work.....	12

Confidentiality Statement

This document, and any attachments there to, regardless of form or medium, is intended only for use by the addressee(s) and may contain legally privileged and/or confidential, copyrighted, trademarked, patented or otherwise restricted information viewable by the intended recipient only. If you are not the intended recipient of this document, please respond to the originator of this message and permanently dispose any copies and any attachments. Thank you for your consideration, Municipality of French River.

Submission Details

Submission Deadlines and Methods

All submissions for responding to this request must be submitted to our office, as stated below, no later than:

Wednesday, June 12, 2019 - No later than 2:00pm Local Time

The use of mail for delivery of a tender will be at the risk of the respondent. Submissions sent in electronic format will **not** be accepted.

Tenders must be submitted in a sealed envelope and shall be clearly marked with the following:

- ☐ Name and address of the Respondent
- ☐ Request Number: #2019 – 14
- ☐ Project Title: Material Recovery Area Expansion, Noëlville Landfill

Tender submissions shall include the following:

- ☐ Signed Declaration (Page #9)
- ☐ Schedule “A” – Price, Timeline, and Deliverables (Page #11)

Administration staff will affix on the sealed envelope:

- ☐ Date and time of receipt

Pre-Bid Meeting

A pre-bid meeting will be held at the Noëlville Landfill Site, located at 330 Houle Road, Noëlville, Ontario on **Wednesday June 5th, 2019 at 10:00 am local time**. This meeting is not mandatory. However, the Municipality may not provide another opportunity to inspect the site. Please notify the Municipality if you are coming to the pre-bid meeting.

Submission Delivery Address, Submission Questions and Clarifications

You may contact the following Lead Person if you have any questions or require clarification on any topics covered in this Request for Tender. Questions shall be received prior to **Tuesday June 11th, 2019**.

The delivery address to be used for all submissions is:

Robert Martin
Acting Director of Operations
Municipality of French River
44 St. Christophe Street
P.O. Box 156
Noëlville, ON, P0M 2N0
Tel: 705-898-2900
Fax: 705-898-1020
Email: pwdirector@frenchriver.ca

Submission Opening

Proposal will be publicly opened, and recorded on **Wednesday June 12th, 2019 at 2:05 pm local time** at the Municipal Office. Staff will review the proposal and the successful candidate will be presented at the Regular Council Meeting of **Wednesday June 19th, 2019**.

Amendment and Withdrawal of Submission

Requests for withdrawal of a submission shall be allowed if the request is made before the closing time for the contract to which it applies. Requests shall be directed to the Lead Person, by a Senior Official of the company, with a signed withdrawal confirming the details. Telephone requests shall not be considered. The withdrawal of a submission does not disqualify a bidder from submitting another tender on the same contract.

Introduction and Executive Summary

The Municipality of French River (herein after referred to as the Municipality) is requesting tenders for the Supply and Installation of an Automatic Entrance Gate at the Noëlville Landfill. The Supply and Installation of an Automatic Entrance Gate project includes the following work items:

- Item 1: Material recovery area expansion
- Item 2: Provisional items

Details regarding the Items are provided in:

- a. Schedule B – Scope of Work
- b. Drawing C-01 – Existing Conditions / Site Plan
- c. Drawing C-02 – Material Recovery Area Layout
- d. Drawing C-03 – Material Recovery Area Details I
- e. Drawing C-04 – Material Recovery Area Details II and Notes

Business Overview & Background

The Municipality of French River is a vibrant, welcoming and family-based community that is committed to positive, sustainable growth. A scenic environment, friendliness of neighbors, diversity of cultures and small town feel make French River the community of choice to live, work, visit and vacation.

Assumptions & Constraints

The Municipality will not be held liable for any errors or omissions in any part of this request. The information contained herein is supplied solely as a guideline for responding vendors. The information is not guaranteed or warranted to be accurate by the Municipality, nor is it necessarily comprehensive or exhaustive. Nothing in this request is intended to relieve vendors from forming their own opinions and conclusions with respect to the matters addressed in this request. Should the Municipality be contacted, no oral explanation or interpretation will modify any of the requirements or provisions of the proposal documents. No addenda to this request will be issued. Should changes be required, this request would be voided and re-released under a new request number.

The successful vendor will provide continuous and adequate protection of all work from damage and will protect the Municipality's property from injury or damage arising from or in connection with this work. The successful vendor will have made good any such damage or injury.

The successful vendor will employ only orderly, competent and skillful employees to ensure that the services are carried out in a confidential and respectable manner.

The successful vendor will ensure all services and products provided in respect to this proposal are in accordance with, and under authorization of all applicable authorities, municipal, provincial and/or federal legislation.

The successful vendor and its employees may have access to information confidential to the Municipality. This information may include, but is not limited to, terms of this agreement, business methods and systems, contractual terms, pricing, personal information, etc. subject to disclosure by force of law. The successful vendor agrees that it and its employees who have access to this information will not, either during the term of the agreement or at any time thereafter, reveal to any third party any of this confidential information or use in any way, whether on the successful vendor's behalf or on behalf of any third party.

The information, reports, documentation, plans, etc. that are a product of this award by the successful vendor, will become the exclusive property of the Municipality of French River.

Terms and Conditions

Relating to the submission document:

- ☐ **Costs, Deliverables & Timelines** – as set out in Schedule "A"
- ☐ **Provincial and Federal Taxes (H.S.T.)** - Tenders shall include applicable H.S.T. taxes. This tax shall be shown separate from the unit price. The respondent shall include with the executed

documents, at the time of submission, on company letterhead, notification to the Municipality of their H.S.T. Registration Number (if any).

- ☐ **Declaration** - Signed declaration must be submitted (Page #9)
- ☐ **Specification** – As set out in Schedule “B”, Drawings C-01, C-02, C-03, and C-04
- ☐ **Insurance** – Vendor shall provide a summary of their company’s insurance coverage.
- ☐ **Other** – Vendors are to include an overview of their firm and references for 3 similar projects.

Relating to the Successful respondent:

- **Contract** - The successful respondent may, within ten (10) days after being advised that they are the successful respondent, execute a contract in duplicate to the Municipality.
- **Notice of Acceptance** - Notice of acceptance may be made by fax or telephone, with written confirmation of same to follow, to the successful respondent at the number given by the respondent.
- **Price** - The vendor shall abide by the total price stated in the submission document. No further payment beyond the contract amount will be made for any additional services required to provide a satisfactory deliverable. If additional requirements are requested by the Municipality beyond the original scope of work described in this request, the cost of these services would be negotiated between the Municipality and the company that has been selected to perform the work. Any additional work will only be undertaken based on a request in writing from the Municipality of French River.
- **Payment** - shall be made upon receipt of invoice following the receipt of the product (net 30 days) with completion of the work to the satisfaction of the Municipality.
- **Termination** - The Municipality reserves the right to immediately terminate the contract for sufficient cause, including but not limited to such items as non-performance, late deliveries, inferior quality, pricing problems, etc.
- **Public Record** - Any personal information required on the proposal form is received under the authority of the Municipality of French River. This information will be an integral component of the quote submission. All written proposals received by the Municipality become a public record; once a proposal is accepted by the Municipality, and a contract is signed, all information contained in it is available to the public including personal information.

Health and Safety

General: Contractor must comply with the Occupational Health and Safety Act (OHSA), the Regulations for Construction Projects, the Municipality of French River safety policy and as well as complying with the prescribed requirements legislated in the Regulations for Industrial Establishments.

Competent person: Contractor is responsible using their training, knowledge and experience to protect the health and safety of their workers and others, reporting to their supervisor the absence of, or defect in any protective equipment or device, and reporting to their supervisor, any circumstances or conditions that may limit their ability to comply with the requirements of the OHSA and the Municipality of French River Safety policy.

Equipment & tools: All equipment and tools used by the contractor shall conform to Canadian Standards Association (CSA) or manufacture specifications. The Municipality of French River reserves the right to prohibit the use of any equipment and methods or practices that do not conform to acceptable standards. Defective equipment and tools shall be removed from the work site premises immediately.

PPE: All workers must wear appropriate CSA approved eye protection, hearing protection, CSA approved hard hats, CSA approved foot protection and CSA approved gloves at all time while working on the job site.

Fall protection: Safety harness and lanyard are required by anyone working more than 3 metres above a surface. The safety harness must be secured to a fixed support so that a worker cannot fall more than five feet. Proof of certification shall be submitted before starting any work at height.

WHMIS: No hazardous material is to be stored or used on work site by the contractor unless the prescribed requirements concerning labelling material safety data sheets (MSDSs) and worker instruction and training are met.

MSDS: Material safety data sheets for all hazardous products shall be kept on site.

Weekly safety meetings: Contractor shall conduct weekly safety meetings with their workers and identify concerns or potential hazards on the job site. Weekly safety meeting shall be signed by all workers and a copy of the safety meeting shall be submitted to the contract administrator weekly.

Proof of training: The contractor shall submit within five (5) calendar days after the contract award, copies of WHMIS, copies of health and safety awareness, first aid certificate and certificates pertaining to the work being done for all workers working on the job site.

Reporting: Contractor must report immediately to the contract administrator all workplace incidents, near misses, injuries and illnesses and environmental damages. Contractor shall also report accidents/incidents to the ministry of labour or any other appropriate authority required by legislation.

Supervision: Contractor shall comply with OHSA regulations.

Health & Safety Station: Contractor shall provide at all time a dedicated station for workers to have access to the contractors H&S manual, the emergency response plan, the OH&S Pocket book, MSDS sheets, WSIB information, Eye wash stations and emergency aid kit.

WSIB: Contractor shall provide the Municipality with a current WSIB Clearance Certificate within five (5) days of contract award.

Selection Criteria

The Municipality of French River is not obligated to award the contract to the lowest or any firm. The Municipality reserves the right to reject any or all proposals and to waive formalities as the interests of

the Municipality may require without stating reasons. The Municipality will not be responsible for any liabilities, costs, expenses, loss or damage incurred, sustained or suffered by any vendor by reason of the acceptance or the non-acceptance by the Municipality of any proposal, or by reason of any delay in the acceptance of a proposal. Any expenses incurred by the vendor in the preparation of the proposal submission are entirely the responsibility of the vendor and will not be charged to the Municipality.

Declaration

To: The Municipality of French River

Sirs: I/We the undersigned acknowledge receipt of and having carefully examined the Request for Tender, and "Scope of Work" set forth in Schedule "B" and hereby offer to submit this tender for the supply of in accordance with, and as required by the said documents at the price set forth in Schedule "A" hereto.

I/We understand and accept that the prices set forth in this Tender Form include full compensation to furnish all labour, equipment, materials and supplies and transportation necessary or incidental to completing the work in strict accordance with said documents.

I/We understand that this Agreement terminates in the event that I fail to perform the work to the satisfaction of the Municipality.

I/We understand that the lowest or any tender will not necessarily be accepted and that TO BE CONSIDERED, Tender Forms must be in by the closing date stated herein.

GENERAL CONDITIONS

1. The respondent shall discharge all liabilities incurred by him for labour, materials and services used or reasonably required for use in the performance of this Agreement on the date upon which each becomes due and all liabilities incidental thereto.
2. The respondent understands and agrees that he is not, nor is anyone hired by him, covered by the Municipality under The Workers' Compensation Act, and he shall be responsible for, and shall pay all dues and assessments payable under The Workers' Compensation Act, The Unemployment Insurance Act or any other Act, whether Provincial or Federal, in respect of himself, his employees and operations, and shall, upon request, furnish the Municipality with satisfactory evidence that he has complied with the provisions of any such Act. If he fails to do so, the Municipality shall have the right to withhold payment of such sum or sums of money due to him/her that would be sufficient to cover his/her default and the Municipality shall have the right to same.
3. The respondent covenants and agrees with the Municipality to indemnify it and save it harmless from all claims by third parties arising out of the performance of this Agreement.
4. The price, as proposed by the respondent, includes all limits of the work project.
5. The respondent declares that he has or will pay forthwith all Provincial and Federal Taxes that apply to the said equipment.
6. Notice of acceptance may be made by fax or telephone, with written confirmation of same to follow, to the respondent at the numbers given by the respondent.
7. No facsimile of proposals are acceptable.

For the Material Recovery Area Expansion,
Noëlville Landfill

8. Any cost incurred due to charges being laid under the Health and Safety Act, Highway Traffic Act or the Ministry of Environment Rules and Regulations shall be the responsibility of the contractor.

Name and Address of the Respondent

Phone:**Fax:****Email:**

The Respondent declares:

- No person, firm or Municipality other than the Respondent, has any interest in this proposal or in the proposed services for this proposal;
- This proposal is made without any connection, comparison of drawings or arrangements with or knowledge of any other Municipality, firm or person making a proposal for the same service and is in all respect fair and without collusion or fraud;
- No member of the staff of the Municipality of French River is, or will become interested directly or indirectly; as a contracting party, partner shareholder, surety or otherwise; or in the performance of the service; or in the supplies, service or business to which it relates; or in any portion of the profits thereof; or in any of the monies to be derived there from;
- The content and requirements of this proposal document have been read and understood.
- All prices are quoted in Canadian funds.

All or any proposals not necessarily accepted.

Signed at _____ this ____ day of _____ 2019.

Print Name – Witness

Print – Respondent,

Title – Respondent

Signature – Witness

Signature – Respondent

Schedule “A” – Price, Timetable and Deliverables

The undersigned submits this bid in accordance with the Request for Tender dated Tuesday May 21st, 2019. Bids close on **Wednesday June 12, 2019 at 2:00pm**.

ITEM	Unit	Estimated Quantity	Unit Price	Total
Item 1: Material Recovery Area Expansion Phase 1				
A. General cut and fill for two new waste bin bays	LS	1		
B. Installation of retaining wall for new waste bin bays	Block	50		
C. Gran A as backfill to retaining wall	m ³			
D. Supply and installation of Granular A material for new concrete pads	m ³	30		
E. Supply and installation of new concrete pads	Per Pad	2		
F. Granular operations pad	m ²	300		
Item 2: Material Recovery Area Expansion Phase 2				
A. Remove and reposition existing lock-block retaining wall for existing bays. Restore granular driving surface at top of wall	LS	1		
B. Supply and Install New Geogrid	m ²	1		
C. Supply and installation of Granular A material for new concrete pads	m ³	30		
D. Gran A as backfill to retaining wall	m ³			
E. Supply and installation of new concrete pads	Per Pad	2		
Other (Please list)				
A. Mobilization/Demobilization	LS	1		
B. Health and Safety Plan	LS	1		
Subtotal				
HST				
Total				

Timetable and Deliverables –

- Specify earliest available on-Site start date from written acceptance of bid price or Purchase Order:

- Completion shall be eight (8) weeks from the time of notice to proceed.

Schedule “B” – Scope of Work**B.1 GENERAL NOTES**

1. All work shall be completed in accordance with the permit conditions and laws in Province of Ontario.
2. The CONTRACTOR shall verify all conditions and measurements at the Site and report to the OWNER any discrepancies or unsatisfactory conditions which may adversely affect the proper completion of the project before proceeding with the work.
3. Utility locates are the responsibility of the CONTRACTOR and shall be carried out prior to execution of any excavation work.
4. Reference elevations shown correspond to action geodetic elevation in meters.
5. Approved shall mean approved in writing by the OWNER or ENGINEER.
6. Existing features such as monitoring wells and perimeter fences shall be protected by the CONTRACTOR.
7. Following Contract execution, a pre-construction meeting will be scheduled with the successful bidder. The successful bidder will be required to submit a construction progress schedule to the OWNER along with any documentation that may be required by the Health and Safety Act.

B.2 SCOPE OF WORK

The Works to be performed by CONTRACTOR under the Contract shall be as follows:

- 1) As depicted on the following drawings:

C-01	MAY 2019	EXISTING CONDITIONS / SITE PLAN
C-02	MAY 2019	MATERIAL RECOVERY AREA LAYOUT
C-03	MAY 2019	MATERIAL RECOVERY AREA DETAILS I
C-04	MAY 2019	MATERIAL RECOVERY AREA DETAILS II AND NOTES
- 2) A summary of the construction works to be completed by the CONTRACTOR under the Contract shall be as follows:
 - **Item 1: Material Recovery Area Expansion Phase 1**
ITEM 1 INCLUDES:
 - A. General Cut and Fill for Two New Waste Bin Bays
 - To accommodate the two new waste bin bays, general cut and fill will be required to be completed to prepare the area for placement of the retaining wall system and the concrete pad.

- Where suitable the existing fill is to be reused. Any fill not to be reused will be transported by Contractor to the active landfill area to be stockpiled and used for daily cover material.
- B. Retaining Wall for New Waste Bin Bays
- Retaining wall and geogrid to be supplied and installed in accordance with Ontario Building Code requirements and as shown on Drawings C-02 and C-03.
 - Retaining Wall: Lock-block wall system 750 mm x 750 mm x 1,500 mm unit size, designed by wall supplier.
 - Gran A to be filled in as a taper as backfill **Detail 1 Page C-03 from top, 1m out to 0.61m at bottom.**
 - Geogrid: Tensar Biaxial UX1500 MSE geogrid. Install in accordance with manufacturer instructions.
 - Top of concrete and block wall to match existing bays.
 - Railing to be provided and installed in accordance with Drawings C-02 and C-03.
 - Supply new concrete curb stops for the new bays in length to cover the perimeter of the bay protected by the railing and chains. Curb stop is not required for the perimeter of the bay protected by the solid guardrail.
- C. Supply and Installation of Granular A Material for Concrete Pads
- As shown on Drawings C-01, C-02, C-03, and C-04.
 - Base Course: Minimum 300 mm, Granular A.
 - Excavate existing granular material where indicated and dispose on-site as directed by OWNER.
 - Supply and install new granular material for base of concrete.
 - No payment made for oversupply of material.
- D. Supply and Installation of Concrete Pads (Pads #3 and #4)
- As shown on Drawings C-01, C-02, and C-03.
 - Detailed material and installation specifications provided on Drawing C-04.
- E. Granular Operations Pad
- Supply and install granular operations pad located at the top of the retaining wall. Material to be supplied as per Drawing C-03 – Detail 1.
 - Operations pad price to be per square metre and include supply of material, installation, and compaction to a minimum of 95% SPD.

Item 2: Material Recovery Area Expansion Phase 2**ITEM 2 INCLUDES:**

- A. Excavate and Reposition First Wall of Lock-Blocks for Existing Bays
- Excavate material around existing west and middle bays.
 - Remove existing lock-blocks and relevel bed, then reinstall lock-blocks per the design as shown on Drawings C-02 and C-03.
 - Excavate and reinstall existing geogrid in accordance with manufacturer instructions.
 - Reinstall Lock-Blocks.

- Gran A to be filled in as a taper as backfill **Detail 1 Page C-03 from top, 1m out to 0.61m at bottom.**
- Reposition existing curb stops as shown in the Drawings to prevent vehicles from contacting the restored lock-block wall.

B. Supply and Installation of Granular A Material for Concrete Pads

- As shown on Drawings C-01, C-02, C-03, and C-04.
- Base Course: Minimum 300 mm, Granular A.
- Excavate existing granular material where indicated and dispose on-site as directed by OWNER.
- Supply and install new granular material for base of concrete.
- No payment made for oversupply of material.

C. Supply and Installation of Concrete Pads (Pads #1 and #2)

- As shown on Drawings C-01, C-02, and C-03.
- Detailed material and installation specifications provided on Drawing C-04.

D. Granular Operations Pad

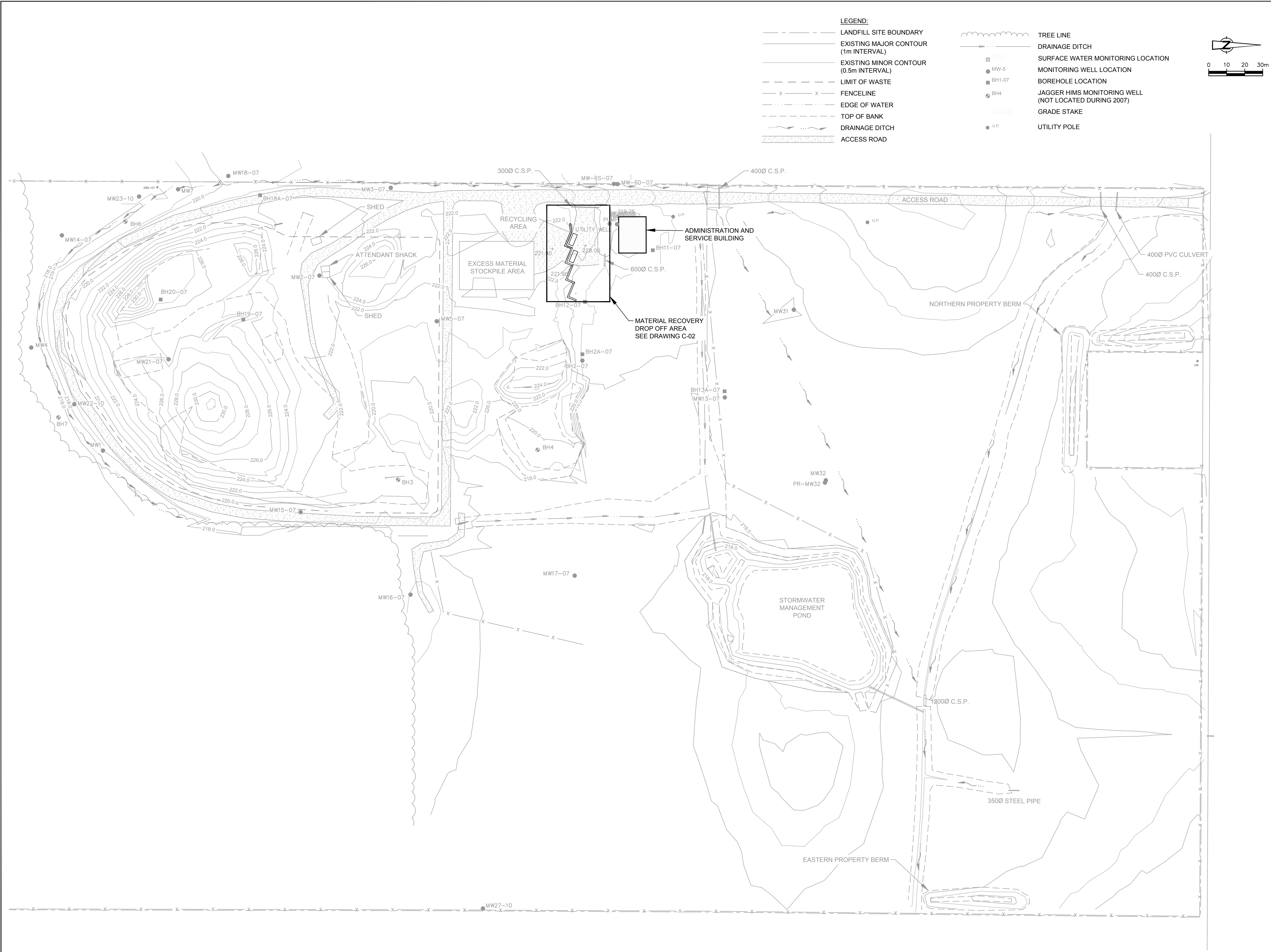
- Supply and install granular operations pad located at the top of the retaining wall. Material to be supplied as per Drawing C-03 – Detail 1.
- Operations pad price to be per square metre and include supply of material, installation, and compaction to a minimum of 95% SPD.

B.3 CONSTRUCTION SEQUENCE

1. Obtain necessary permits and approvals.
2. Complete works as per the plans.

B.4 CIVIL WORKS

1. Materials shall be in accordance with OPSS and where discrepancies exist be confirmed by the ENGINEER prior to arriving on-Site. Substitutions from specified products and materials in a manner so as to avoid any damage.
2. Deliver, handle, and store all materials in a manner so as to avoid any damage.
3. All evacuation and subsequent work shall be undertaken in dry conditions and in accordance with OPSS 206.
4. The work shall be conducted in accordance with the following OPSS standards:
 - 501 – Construction Specification for Compacting.
 - 1001 – Material Specification for Aggregates – General.
 - 1010 – Material Specification for Aggregates – Base, Subbase, Select Subgrade, and Backfill Material.



GHD
455 Philip Street
Waterloo Ontario N2L 3X2 Canada
T 519 884 0510 F 519 884 0525 W www.ghd.com

Reuse of Documents
This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of GHD and shall not be reused in whole or in part for any other project without GHD's written authorization. © 2015 GHD

- SOURCE:**
- (A) EXISTING CONTOURS: SURVEYED BY CRA LIMITED SURVEY TEAM, OCTOBER 12 2007
 - (B) EXISTING LIMIT OF WASTE AND ASSOCIATED CONTOURS SURVEYED BY CRA LIMITED SURVEY TEAM, SEPTEMBER 17, 2010
 - (C) EXISTING CONTOURS: SURVEYED BY CRA LIMITED SURVEY TEAM, MAY 5, 2013
 - (D) EXISTING CONTOURS: SURVEYED BY CRA LIMITED SURVEY TEAM, DECEMBER 7, 2015
 - (E) EXISTING CONTOURS: SURVEYED BY GHD SURVEY TEAM, DECEMBER 5, 2016
 - (F) EXISTING CONTOURS: SURVEYED BY GHD LIMITED SURVEY TEAM, DECEMBER 5, 2018

Client
**MUNICIPALITY OF FRENCH RIVER
NOÉLVILLE LANDFILL, NOÉLVILLE, ONTARIO**

Project
**REQUEST FOR TENDER
MATERIAL RECOVERY AREA
EXPANSION**

1	ISSUED FOR TENDER	T.W.	D.B.	2019-05-03
---	-------------------	------	------	------------

No.	Issue	Drawn	Approved	Date
-----	-------	-------	----------	------

Drawn **T. WAGSTAFF** Designer **D. BALL**

Drafting Check Design Check **J. YARDLEY**

Project Manager **J. YARDLEY** Date **May 2, 2019**

This document shall not be used for construction unless signed and sealed for construction. Scale **1:1000**

Original Size **ANSI D** Bar is 20mm on original size drawing 0 20mm

Project No. **44477-60**

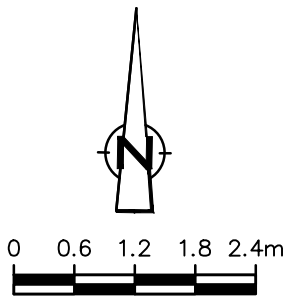
Title
**EXISTING CONDITIONS
SITE PLAN**

Sheet No.

C-01



6000 CSP



LEGEND:

- LANDFILL SITE BOUNDARY
- EXISTING MAJOR CONTOUR (1m INTERVAL)
- EXISTING MINOR CONTOUR (0.5m INTERVAL)
- - - LIMIT OF WASTE
- x - x - FENCELINE
- - - - - EDGE OF WATER
- - - - - TOP OF BANK
- - - - - DRAINAGE DITCH
- - - - - ACCESS ROAD
- - - - - TREE LINE
- - - - - DRAINAGE DITCH
- SURFACE WATER MONITORING LOCATION
- MONITORING WELL LOCATION
- BOREHOLE LOCATION
- JAGGER HIMES MONITORING WELL (NOT LOCATED DURING 2007)
- + GRADE STAKE

EXISTING BAYS IN MATERIAL RECOVERY DROP OFF AREA. EXCAVATE GRAVEL SURFACE AND INSTALL NEW CONCRETE PADS. SEE DRAWINGS C-03 AND C-04

- 1
C-03
- 2
C-03
- 3
C-03

INSTALL NEW RETAINING WALL AND CONCRETE PAD

BH12-07

- 1
C-04

EXCAVATE AND REPOSITION TOP ROW OF LOCK-BLOCKS FOR EXISTING BAYS. SUPPLY NEW GRANULAR MATERIAL AND RESTORE DRIVING SURFACE PER DRAWING C-03



GHD
455 Philip Street
Waterloo Ontario N2L 3X2 Canada
T 519 884 0510 F 519 884 0525 W www.ghd.com

Reuse of Documents
This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of GHD and shall not be reused in whole or in part for any other project without GHD's written authorization. © 2015 GHD

SOURCE:

- (A) EXISTING CONTOURS: SURVEYED BY CRA LIMITED SURVEY TEAM, OCTOBER 12 2007
- (B) EXISTING LIMIT OF WASTE AND ASSOCIATED CONTOURS SURVEYED BY CRA LIMITED SURVEY TEAM, SEPTEMBER 17, 2010
- (C) EXISTING CONTOURS: SURVEYED BY CRA LIMITED SURVEY TEAM, MAY 5, 2013
- (D) EXISTING CONTOURS: SURVEYED BY CRA LIMITED SURVEY TEAM, DECEMBER 7, 2015
- (E) EXISTING CONTOURS: SURVEYED BY GHD SURVEY TEAM, DECEMBER 5, 2016
- (F) EXISTING CONTOURS: SURVEYED BY GHD LIMITED SURVEY TEAM, DECEMBER 5, 2018

Client
MUNICIPALITY OF FRENCH RIVER
NOËLVILLE LANDFILL, NOËLVILLE, ONTARIO

Project
REQUEST FOR TENDER
MATERIAL RECOVERY AREA
EXPANSION

1	ISSUED FOR TENDER	T.W.	D.B.	2019-05-03
No.	Issue	Drawn	Approved	Date

Drawn	T. WAGSTAFF	Designer	D. BALL
Drafting Check		Design Check	J. YARDLEY

Project Manager	J. YARDLEY	Date	May 2, 2019
-----------------	------------	------	-------------

This document shall not be used for construction unless signed and sealed for construction.	Scale	1:75
---	-------	------

Original Size	Bar is 20mm on original size drawing
ANSI D	0 20mm

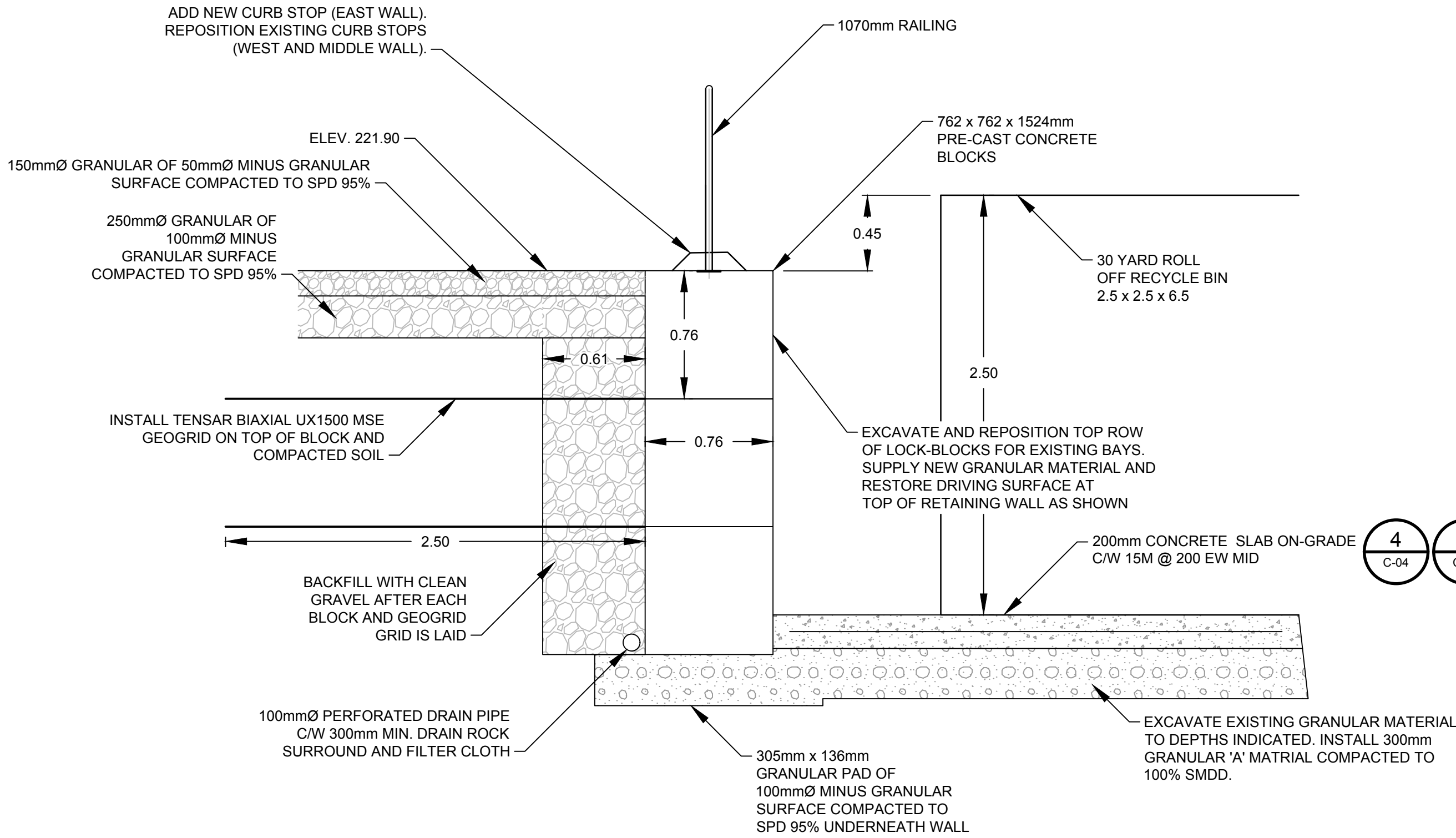
Project No.	44477-60
-------------	----------

Title

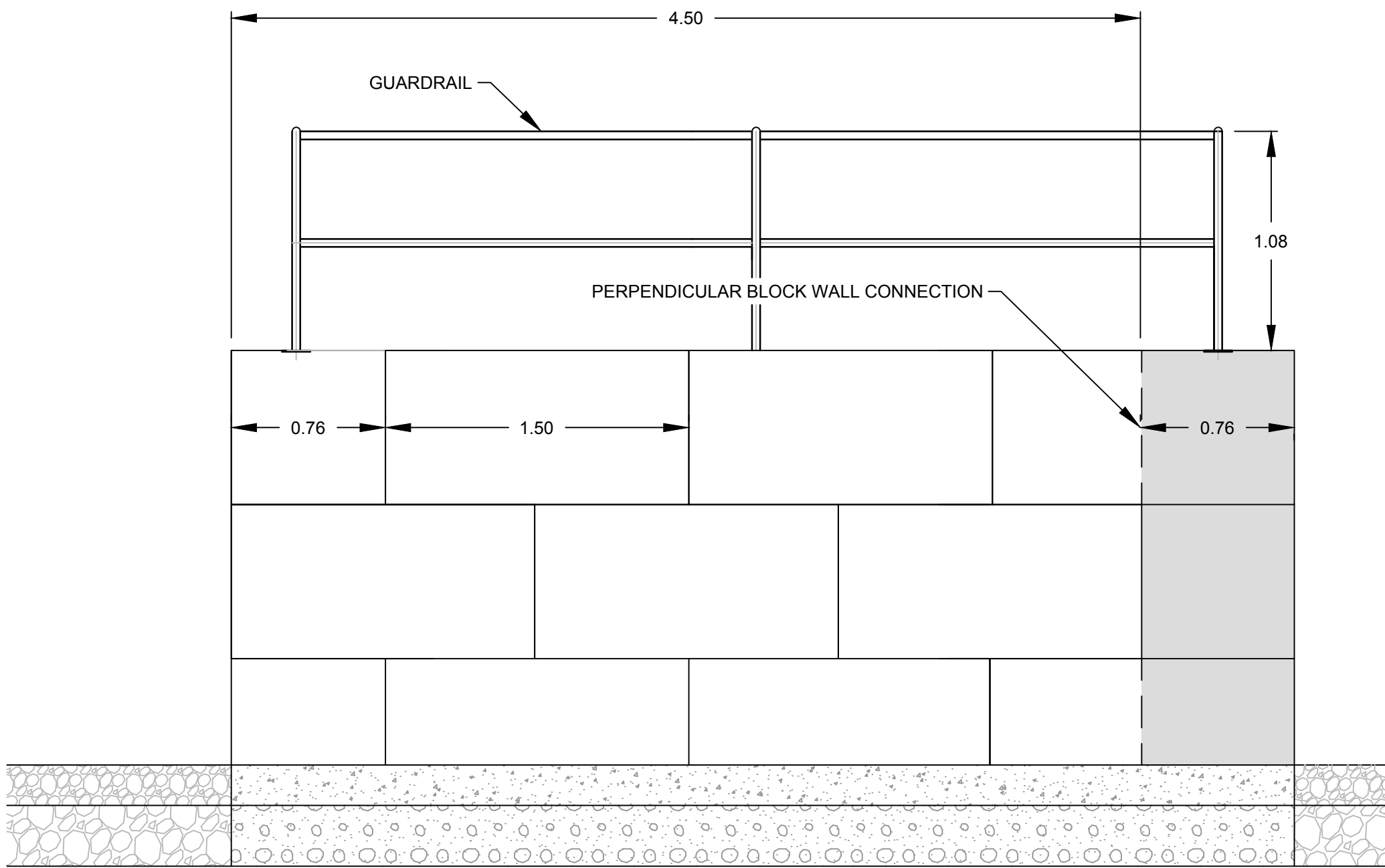
MATERIAL RECOVERY AREA

Sheet No.

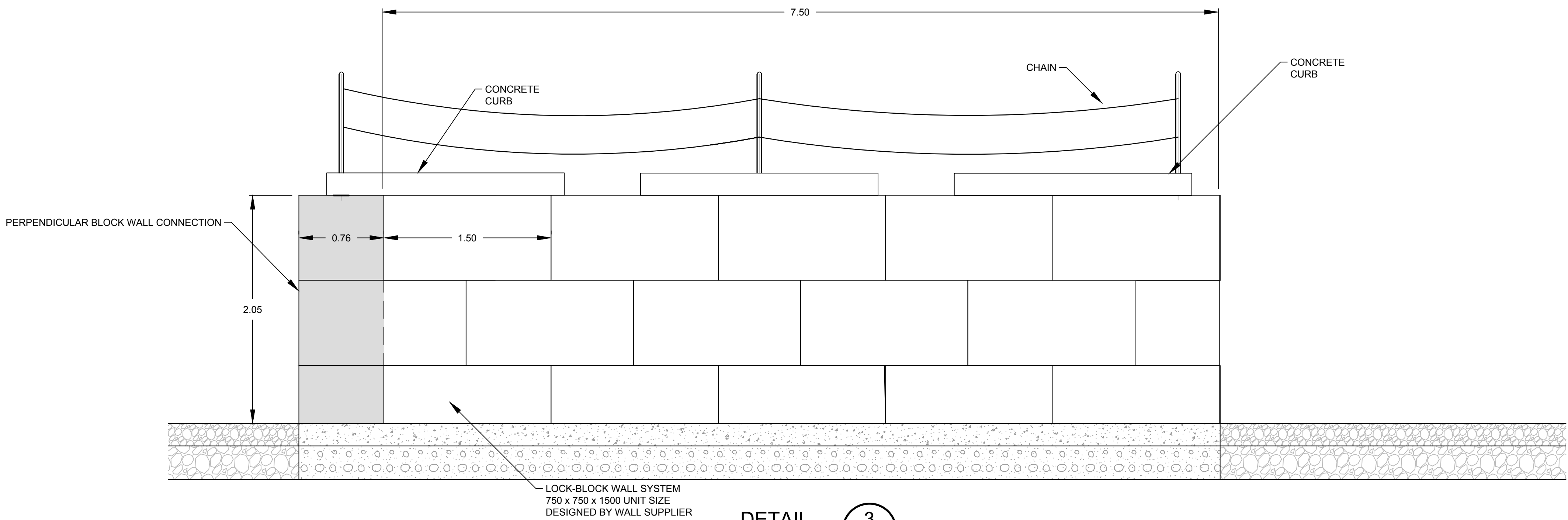
C-02



DETAIL 1 MAIN WALL SECTION
NTS



DETAIL 2
NTS



DETAIL 3
NTS



GHD
455 Philip Street
Waterloo Ontario N2L 3X2 Canada
T 519 884 0510 F 519 884 0525 W www.ghd.com

Reuse of Documents
This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of GHD and shall not be reused in whole or in part for any other project without GHD's written authorization. © 2015 GHD

Client
**MUNICIPALITY OF FRENCH RIVER
NOËLVILLE LANDFILL, NOËLVILLE, ONTARIO**

Project
**REQUEST FOR TENDER
MATERIAL RECOVERY AREA
EXPANSION**

1	ISSUED FOR TENDER	T.W.	D.B.	2019-05-03
---	-------------------	------	------	------------

No.	Issue	Drawn	Approved	Date
-----	-------	-------	----------	------

Drawn T. WAGSTAFF Designer D. BALL

Drafting Check Design Check J. YARDLEY

Project Manager J. YARDLEY Date May 2, 2019

This document shall not be used for construction unless signed and sealed for construction. Scale AS SHOWN

Original Size
ANSI D
Bar is 20mm on original size drawing
0 20mm

Project No. 44477-60

Title
**MATERIAL RECOVERY AREA
DETAILS I**

Sheet No.

C-03

Sheet 3 of 4

GENERAL NOTES

1. THE DESIGN AND CONSTRUCTION OF ALL WORK ON THIS PROJECT IS TO CONFORM THE RELEVANT LISTED C.S.A. STANDARDS INCLUDING THE LATEST REVISIONS.
2. READ THESE DRAWINGS IN CONJUNCTION WITH ALL RELATED DRAWINGS AND CONTRACT DOCUMENTS.
3. THE CONTRACTOR SHALL CHECK AND VERIFY ALL CONDITIONS AND MEASUREMENTS AT THE SITE AND REPORT TO THE ENGINEER ANY DISCREPANCIES OR UNSATISFACTORY CONDITIONS WHICH MAY ADVERSELY AFFECT THE PROPER COMPLETION OF THE JOB BEFORE PROCEEDING WITH THE WORK.
4. DO NOT SCALE DRAWINGS
5. CONSTRUCTION, FABRICATION, & SHOP DRAWING REVIEW MUST BE PROVIDED AS PER CODE.
6. ALL DIMENSIONS ON DRAWINGS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.
7. APPROVED SHALL MEAN APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD.
8. DELIVER, HANDLE AND STORE MATERIALS TO AVOID DAMAGE IN ANY MANNER

MATERIALS

UNLESS NOTED OTHERWISE ON THE DRAWINGS THE FOLLOWING MATERIALS SHALL BE USED FOR CONSTRUCTION:

1. CONCRETE:SLAB ON GRADE = 35 MPa - 56 DAY MIN. COMP. STRENGTH, EXPOSURE CATEGORY C-1 TO CSA A23.1-14.
2. REINFORCING STEEL:CARBON STL. BARS TO CSA G30.18-09, - GRADE 400R, GRADE 400W WHERE WELDING IS REQUIRED.

CAST-IN-PLACE CONCRETE

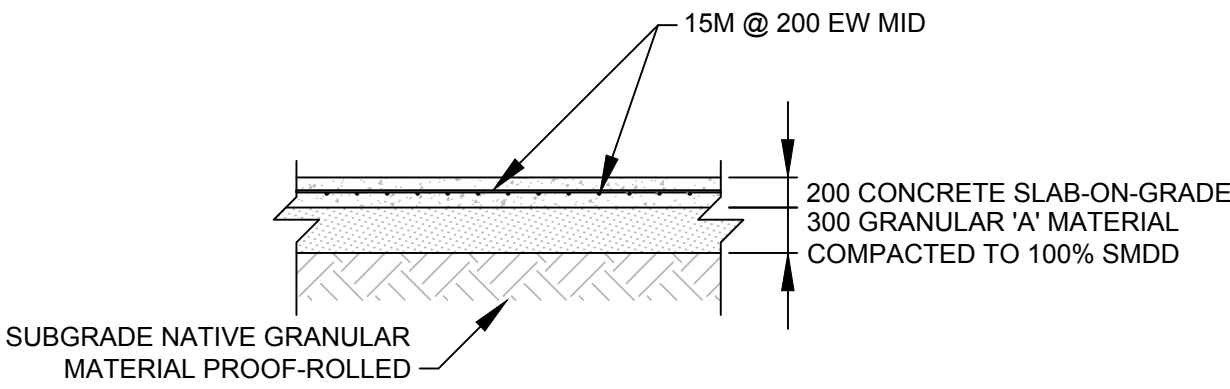
1. ALL CAST-IN-PLACE CONSTRUCTION SHALL CONFORM TO CSA A23.1 AND CSA A23.3 AS APPLICABLE.
2. MINIMUM CONCRETE COVER SHALL CONFORM TO THE VALUES LISTED IN CSA A23.1 - TABLE 17, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
3. ALL REINFORCING BARS SHALL BE SUPPORTED IN THE FORMS AND SPACED WITH STANDARD ACCESSORIES. TIE WIRE USED SHALL BE 16 GAUGE, BLACK ANNEALED WIRE, UNLESS SPECIFIED OTHERWISE. ALL BAR SUPPORTS SHALL CONFORM TO THE BAR SUPPORT STANDARDS AND STANDARD NOMENCLATURE AS SHOWN IN THE RSIC MANUAL OF STANDARD PRACTICE (LATEST EDITION).
4. REINFORCING IS TO BE GENERALLY DETAILED IN ACCORDANCE WITH R.S.I.C. MANUAL OF STANDARD PRACTICE (LATEST EDITION).
5. CONCRETE PLACING, CURING AND TESTING SHALL CONFORM TO CSA A23.1-14/A23.2-14.
6. FORMWORK AND TOLERANCES SHALL CONFORM TO CSA A23.1.
7. NO CUTTING OR DRILLING IN HARDENED CONCRETE IS PERMITTED WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER OF RECORD.
8. GROUT UNDERSIDE OF BEARING PLATES OF STEEL COLUMNS WITH DRY-PACK NON-SHRINK GROUT TO MANUFACTURERS SPECIFICATIONS. GROUTING SHALL BE COMPLETED PRIOR TO LIVE LOADING OF THE STRUCTURE.
9. FOR THICKNESS OF SLAB SEE FOUNDATION PLAN, MAINTAIN SLAB THICKNESS AT ALL DEPRESSIONS. REFER TO DRAWINGS FOR LOCATION AND EXTENT OF FINISHES AND DEPRESSIONS.
10. ALL EMBEDDED STEEL EXPOSED TO THE EXTERIOR OR EXTERIOR WALL CAVITIES SHALL BE HOT DIP GALVANIZED.
11. ISOLATION JOINT MATERIAL SHALL BE MIN 12mm THICK ASPHALT IMPREGNATED FIBREBOARD, CONFORMING TO ASTM D1751, WITH APPROVED JOINT SEALANT.
12. PADS AND SLABS SHALL BE TROWEL FINISHED TO WITHIN ±3 mm OF ELEVATIONS SHOWN ON DRAWINGS. FOLLOWING TROWELLING, PROVIDE NON-SLIP MEDIUM BROOM FINISH ON OUTSIDE CONCRETE PADS.
13. JOINT SEALANT SHALL BE SELF LEVELING INDUSTRIAL GRADE POLYURETHANE SEALANT SUCH AS SIKAFLEX SELF-LEVELING BY SIKA CANADA OR APPROVED EQUIVALENT.
14. THE REINFORCEMENT STEEL FABRICATOR SHALL SUPPLY PLACING DRAWINGS AND BAR LISTS IN ACCORDANCE WITH THE RSIC MANUAL OF STANDARD PRACTICE. THE ENGINEER SHALL APPROVE WITH CORRECTIONS, OR DISAPPROVE PROPOSED DETAILS. ALL REINFORCING STEEL IN PLACE TO BE REVIEWED BY ENGINEER BEFORE POURING CONCRETE.
15. PROVIDE 20x20 CHAMFERED EDGE ON ALL EXPOSED CONCRETE CORNERS AS REQUIRED.
16. REINFORCING LAP LENGTHS SHALL BE AS SHOWN BELOW OR AS OTHERWISE NOTED ON THE DRAWINGS:

REBAR SIZE	STRAIGHT EMBEDMENT LENGTH	EMBEDMENT LENGTH WITH STD HOOK	COMPRESSION LAP LENGTH	TENSION LAP LENGTH CLASS B
10M	300	225	300	380
15M	440	320	440	570
20M	580	390	590	750
25M	900	505	730	1170

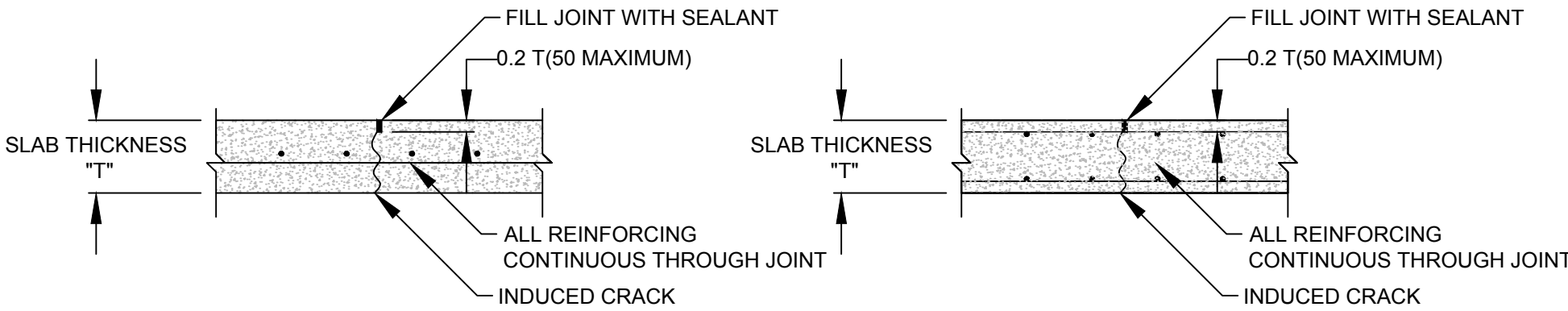
NOTE:
BASED ON STANDARD WEIGHT CONCRETE WITH $f_c > 25$ MPa AND BLACK STEEL.
FOR TOP BARS, MULTIPLY LAP LENGTHS BY 1.3.
HORIZONTAL WALL BARS SHALL BE CONSIDERED AS TOP BARS.

SLAB FOUNDATION:

1. FOUND SLABS ON GRADE ON A MIN. OF 300mm THICK BASE OF CLEAN, GRANULAR MATERIAL MEETING THE REQUIREMENTS OF GRANULAR 'A' TO OPSS 1010 AND COMPACTED TO 100% SPMDD, PLACED OVER NON FROST SUSCEPTIBLE GRADE MATERIAL FOR THICKNESS OF 300 MIN. FROST DEPTH.
2. SUBGRADE MATERIAL SHALL BE UNDISTURBED NATIVE SOIL OR STRUCTURAL FILL COMPACTED TO MIN. 98% SPMDD.
3. MAINTAIN UNSUPPORTED SIDES OF EXCAVATION ONLY IF SAFE INCLINATION OF THE SIDES OF THE EXCAVATION IS PROVIDED IN ACCORDANCE WITH MUNICIPAL OR PROVINCIAL REGULATIONS.
4. PROTECT SOIL FROM FREEZING ADJACENT TO AND BELOW SLAB AT ALL TIMES DURING CONSTRUCTION.
5. SOFT AREAS UNCOVERED ON EXCAVATION SHALL BE SUB EXCAVATED TO SOUND MATERIAL AND FILLED WITH CLEAN FREE DRAINING GRANULAR MATERIAL COMPACTED TO 100 % SPMDD.



DETAIL 4 CONCRETE PAD
1:50 C-03



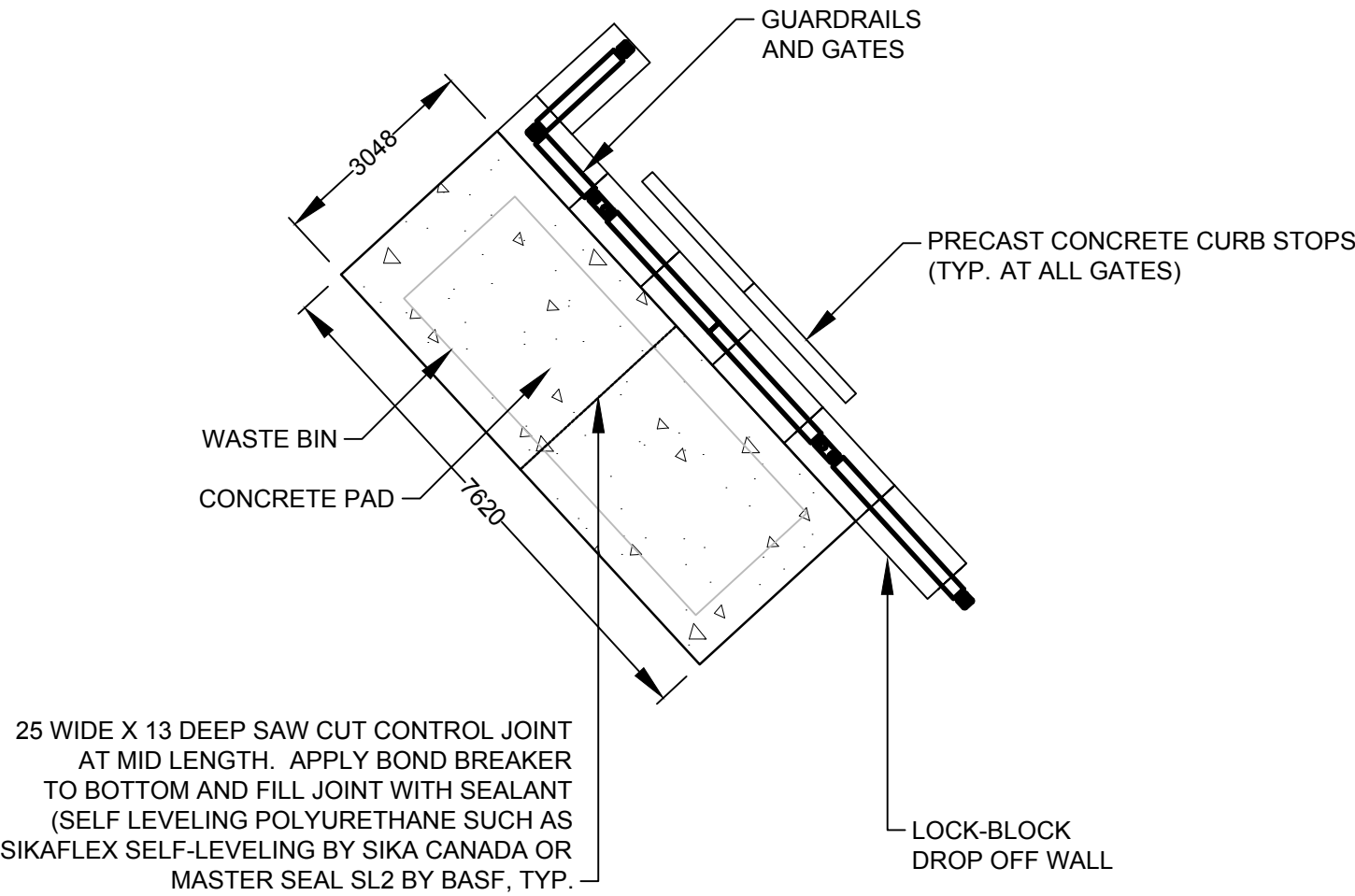
SINGLE MAT REINFORCEMENT
ELEVATION VIEW

DOUBLE MAT REINFORCEMENT
ELEVATION VIEW

NOTES:

1. SAW CUT CONTROL JOINTS SHALL BE PLACED AS SHOWN ON THE DRAWINGS, TYPICALLY AT A MAXIMUM SPACING OF 10m IN EACH DIRECTION.
2. WATERSTOPS SHALL BE PROVIDED BELOW THE SAW CUT AT JOINTS IN WATER RETAINING AND SECONDARY CONTAINMENT SLABS.
3. JOINTS SHALL BE SAW CUT 6mm WIDE X 40mm DEEP AS SOON AS PRACTICAL AFTER CONCRETE HAS HARDENED AND TYPICALLY WITHIN 4 TO 12 HOURS AFTER FINAL FINISHING.
4. FINAL JOINTS SHALL BE SAW CUT 25mm WIDE X 13mm DEEP AFTER 28-DAYS AND FILLED WITH JOINT SEALANT.

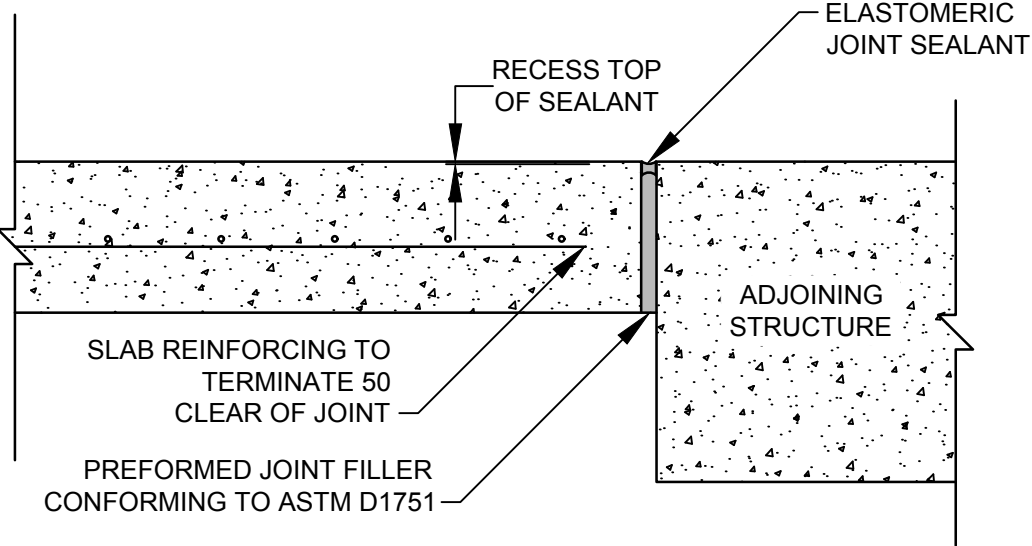
DETAIL 6 SAW CUT SLAB CONTROL JOINT
N.T.S. C-03



DETAIL 5 DROP-OFF WALL AND CONCRETE PAD
1:100 C-03

NOTES:

1. FIBREBOARD MATERIAL TO EXTEND FULL DEPTH OF SLAB.
2. TOP OF SEALANT SHALL BE FORMED TO A CONCAVE SHAPE, 6-8 THICK AT THE MIDDLE.
3. ISOLATION JOINTS ARE TO BE PLACED AT LOCATIONS WHERE NEW SLAB ADJOINS TO AN EXISTING STRUCTURE AND IN LOCATIONS SPECIFIED ON THE DRAWINGS.



DETAIL 7 ISOLATION JOINT
N.T.S. C-03



GHD
455 Philip Street
Waterloo Ontario N2L 3X2 Canada
T 519 884 0510 F 519 884 0525 W www.ghd.com

Reuse of Documents
This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of GHD and shall not be reused in whole or in part for any other project without GHD's written authorization. © 2015 GHD

Client
MUNICIPALITY OF FRENCH RIVER
NOËLVILLE LANDFILL, NOËLVILLE, ONTARIO

Project
REQUEST FOR TENDER
MATERIAL RECOVERY AREA
EXPANSION

1	ISSUED FOR TENDER	T.W.	D.B.	2019-05-03
---	-------------------	------	------	------------

No.	Issue	Drawn	Approved	Date
-----	-------	-------	----------	------

Drawn	T. WAGSTAFF	Designér	D. BALL
-------	-------------	----------	---------

Drafting Check	J. YARDLEY	Design Check	J. YARDLEY
----------------	------------	--------------	------------

Project Manager	J. YARDLEY	Date	May 2, 2019
-----------------	------------	------	-------------

This document shall not be used for construction unless signed and sealed for construction.

Scale	AS SHOWN
-------	----------

Original Size	Bar is 20mm on original size drawing 0 20mm
---------------	--

ANSI D

Project No. 44477-60

Title

MATERIAL RECOVERY AREA
DETAILS II AND NOTES

Sheet No.

C-04

Sheet 4 of 4