



Infrastructure Services

Invitation to Tender

No. 2025-IS-10

Aggie Field Drainage Improvements

For further information:

Tim Tanton

Manager of Operations

Phone 250-668-3151

Email ttanton@ladysmith.ca

Tender Issue Date: August 5, 2025

RFP Closing Date: August 22, 2025 1:30 pm,

RFP Opening: August 22, 2025 1:45 pm,

Location of Bid Opening: Ladysmith City Hall



1.0 INTRODUCTION

The Town of Ladysmith (the "Town") invites Tenders from qualified and experienced contractors for the supply of Aggie Field Drainage Improvement rain garden and storm system upgrade in accordance with the Specifications and Description of Work attached as Schedule A.

2.0 TENDER SUBMISSION

Proponents must submit hard copy proposals clearly marked "Request for Tender No. 2025-IS-10", in a sealed envelope, **no later than 1:30 pm on August 22, 2025** to the attention of:

Sue Bouma, Manager of Corporate Services
Town of Ladysmith
410 Esplanade - PO Box 220
Ladysmith, BC V9G 1A2
Email: bid@ladysmith.ca

All submissions must provide name, address, email address and telephone number and be signed by a duly authorized official whose legal status and business address shall be disclosed and with documents to include:

- Completed tender
- Completed submission forms

Proponents are advised to read and respond appropriately to all sections of the RFT. Incomplete proposals may be rejected at the sole discretion of the Town of Ladysmith.

3.0 FORM OF TENDER

Tenders must be completed using the Form of Tender, Specifications and any applicable schedules and addenda as supplied.

4.0 TENDER OPENING

Tenders will not be opened in public.

5.0 LATE SUBMISSIONS

Tenders received after the Closing Date and Time will be returned unopened to the Tenderer.

6.0 THE LOWEST OR ANY TENDER WILL NOT NECESSARILY BE ACCEPTED

Please review the Instructions and Conditions to Tenderers.

FORM OF TENDER

Date: _____

We the undersigned have received and carefully reviewed all of the Tender Documents, including the Addenda listed below, have full knowledge of the location of the Work and certify that we have complied with the Instructions to Tenderers.

Provided that this Tender is accepted within 60 calendar days from the Closing Date and Time, the undersigned offers and agrees to provide all labour and material to perform and complete the Work as specified in and in strict compliance with the Tender Documents, at the prices quoted in the Tender Documents, within the time specified, and in accordance with the terms and conditions set forth in the Tender Documents.

The undersigned undertakes to achieve substantial completion of the Work that is the subject of the Tender within _____ calendar days from award of the contract under this Tender.

The Tenderer is an ☐ Individual ☐ Partnership ☐ Corporation (check where applicable)
incorporated under the laws of

Name and Address of Individual, Partnership, or Corporation Tendering:

Signature and Title of person authorized to sign Tender:

(Print or type name under signature)

Phone:

Facsimile:

Addenda

Acknowledgment is hereby made of receipt and inclusion of the following addenda to the Tender Documents:

Addendum

No. _____ dated _____; _____ pages

No. _____ dated _____; _____ pages

Schedule of Quantities

TASK	UNIT	QUANTITY	UNIT PRICE	Extension
Mobilization Insurance, underground locates, equipment transport	Lump Sum	1	\$	\$
Remove and dispose of existing perf pipe, regrade ditches toward rain garden	Lineal Meter	80	\$	\$
Remove and dispose of existing Catchbasins	Lump Sum	3	\$	\$
Remove and dispose of 100mm perf pipe	Lineal Meter	35	\$	\$
Drainage Pipe PVC 100 diameter, native backfill	Lineal Meter	5	\$	\$
Perforated Pipe PVC 100 diameter	Lineal Meter	10	\$	\$
Drainage Pipe PVC 300 diameter, native backfill	Lineal Meter	132	\$	\$
Install tees with 100mm dia stubs for future playfield use	Each	4	\$	\$
1050mm dia Manhole base, lid, slab,cover and frame 1050 mm diameter	Each	5	\$	\$
900mm dia Manhole with beehive inlet and flow restrictor, hole in base, drain rock foundation	Each	1	\$	\$
Tie-in to Existing Storm System	Lump Sum	1	\$	\$
Trench Dams (if required)	Each	3	\$	\$
Rain Garden: excavation, grading drain rock, growing medium, mulch, geotextile	Lump Sum	1	\$	\$
Install Chainlink fence to match existing	Lineal Meter	55	\$	\$
Site Restoration, seeded grass	Lump Sum	1	\$	\$
GST				\$
			Total Bid	\$

INSTRUCTIONS TO TENDERERS

1.0 DEFINITIONS

1.1 In the Tender Documents the following words have the following meanings, unless the context otherwise requires:

"Contract" means an agreement for the performance of the Work to be executed by the Town and the Tenderer to whom the Work is awarded as applicable;

The Town of Ladysmith is referred to as **"the Town"**;

The successful tenderer is referred to as **"the Contractor"**;

The Director of Infrastructure Services is referred to as **"the Director"**;

"Tender Closing Date and Time" means the date and time stipulated in section 2 for the receipt of Tenders;

"Tender Documents" means the Invitation to Tender, the Form of Tender, the Instructions and Conditions of Tendering, the Tender Specifications (Schedule "A"), and all addenda; and

"Work" means all work to be done, performed and completed by the Tenderer under the Contract if awarded the Tender by the Town.

2.0 TENDER CLOSING DATE AND TIME

2.1 Sealed Tenders, made on the Tender Form provided, together with all other Tender Documents required will be received by the receptionist at the main reception desk addressed to:

**Manager of Corporate Services,
The Town of Ladysmith
City Hall
410 Esplanade PO Box 220
Ladysmith, BC V9G 1A2**

2.2 Tenders will be received up to 1:30 p.m. PST, on **August 22, 2025**.

2.3 Tenders received after the closing time will be returned unopened.

- 2.4 The Tender Form being submitted must be signed by an authorized representative of the tenderer.
- 2.5 An award from this tender may require the approval of Town Council which, at its sole and unfettered discretion, can accept or reject any tender offered.
- 2.6 No tenderer may withdraw their tender within 60 days after the actual date of opening.
- 2.7 Tenderers are responsible for all costs relating to the preparation and submission of tenders.
- 2.8 This tender and any subsequent contracts resulting from this tender shall be governed by and interpreted in accordance with the laws of the Province of British Columbia.
- 2.9 It is the Tenderer's responsibility to allow sufficient time for their agent to deliver their Tender by the time and date specified above. The Tenderer should instruct their delivery agent to have the receptionist at the main reception desk at the City Hall time and date stamp the Tender. The Town will apply its date stamp upon receipt of Tenders delivered by Canada Post or courier.

3.0 TENDER OPENING

- 3.1 Tenders will not be opened in public.

4.0 TENDER SUBMISSION

- 4.1 Late Tenders will not be accepted, opened or considered and will be returned unopened to the Tenderer upon the Town determining that the Tender was submitted after the Closing Date and Time.

5.0 FORM OF TENDER

- 5.1 Tenders must be submitted on the form of the Tender Documents provided.

6.0 AMENDMENT OR WITHDRAWAL

- 6.1 Tenders may be amended or withdrawn, provided written notice is received by the receptionist at the main reception desk at the City Hall prior to the stipulated closing time on the Closing Date.
- 6.2 Revisions to bid prices should state changes to unit prices only.
- 6.3 No revisions or withdrawals will be accepted after the Closing Date and Time.

7.0 APPENDICES TO BE COMPLETED

- 7.1 Tenderers must complete and submit as part of the Tender all Appendices that form part of the Tender Documents other than the Contract General Conditions attached as Schedule “F”.
- 7.2 Any deviations from the specifications shall be separately noted in the space provided on the specification sheets, with separate information required attached.

8.0 PRICES AND GST

- 8.1 Prices quoted are to be in Canadian dollars. Goods and Services Tax (GST) is to be shown as a separate item on the Form of Tender.

The prices shown as UNIT COSTS/HOURLY RATES on the Tender Form shall include all material costs, labour costs, and any other charges included in the final cost to the Town.

9.0 ORAL, EMAIL AND FACSIMILE TENDERS NOT ACCEPTED

- 9.1 Oral, electronic mail or facsimile Tenders or amendments to Tenders will not be accepted.

10.0 COMPLETION OF TENDER AND ERRORS

- 10.1 All prices and notations must be typewritten or written in ink. No erasures or additions to the Tender Documents are permitted. In the case of mistake in extension of price, unit price will govern.
- 10.2 In case of mistake by the Tenderer, the mistake must not be erased but crossed out with the correction typewritten or written in ink adjacent thereto and such corrections must be initialed by the Tenderer's authorized signing officer or employee referred to in section 10 of the Instructions to Tenderers.

11.0 SIGNATURE REQUIRED

- 11.1 All tenders must be signed in the place provided on the front page and on the Form of Tender by an officer or employee having authority to bind the Tenderer by his or her signature.

12.0 BID IRREVOCABLE

- 12.1 The Tenderer agrees that in submitting a Tender, the Tender will be irrevocable and remain open for acceptance by the Town for 60 (sixty) calendar days from the day following the Closing Date and Time.
- 12.2 No tender may be withdrawn after the Closing Date and Time without the written consent of the Town, which may be withheld in its sole discretion.

13.0 MISTAKE IN TENDER DOCUMENTS

- 13.1 If the Tenderer discovers or suspects any ambiguity between the Tender Summary (Schedule "A"), the Schedule of Prices (Schedule "B"), the Schedule of References and Subcontractors (Schedule "C"), the Specifications Plan (Schedule "D"), or any addenda, the Tenderer shall seek clarification from the Town, in writing, before submitting a Tender.
- 13.2 If deemed necessary by the Town, and in its sole discretion, an addendum will be issued to all parties that have indicated an interest in submitting a Tender. The Town reserves the right to revise, expand or delete any portion of the Tender Documents as part of the addendum.
- 13.3 Requests for clarifications must be submitted to the Town in writing and received not less than five (5) working days before the Tender Closing Date.
- 13.4 An addendum issued under this section will be considered to form part of the Tender Documents.

14.0 TENDER AWARD

- 14.1 The Town reserves the right to reject any or all Tenders and the lowest or any Tender will not necessarily be accepted.
- 14.2 Without limiting the generality of section 8.1, the Town reserves the right to:
- waive any informality or irregularity in a Tender;
 - reject a Tender which contains qualifying conditions or otherwise fails to conform to these Tender Documents;
 - reject any single Tender if only one Tender is received;
 - make decisions regarding Tender acceptance with regard to:
 - o compliance with specifications, warranties, lead times, price and any other such factors as may be relevant factors in determining which

-
- Tender will provide the Town with the best value based on quality, service and price;
- o the overall cost impact of the Tender on the operations of the Town including, where applicable, factors such as acquisition cost, disposal cost, residual value, training cost, maintenance cost, product performance and environmental impact;
 - o the reputation and experience of the Tenderer and of the Tenderer's staff to be allocated to the Work, the supply of the goods and services or the supply of any equipment required by this Tender;
 - o the technical experience, financial resources, and environmental responsibility of the Tenderer;
 - o the Town's assessment of the capability of the Tenderer to perform the Work within the timeframe required by the Town;
 - o demonstration that the Work undertaken will meet or exceed requirements of environmental standards; and
- award the Work based on the best value to the Town based on quality, service, and price, and any criteria set out herein based solely on the Town's assessment of the tender.

15.0 NO DUTY OF CARE

- 15.1 It is the responsibility of the Tenderer to thoroughly examine the Tender Documents including any attachments and appendices to satisfy itself regarding the full requirements of the Tender and the Work.
- 15.2 While the Town has made reasonable efforts in good faith to ensure an accurate representation of information in this Tender, the information contained herein is supplied solely as a guideline for Tenderers, and the Town does not warrant or represent such information to be accurate, or complete.
- 15.3 The Tenderer acknowledges and agrees that in the preparation of the Tender, supply of oral or written information to Tenderers, review of Tenders or the carrying out of the Town's responsibilities under this Tender, the Town does not owe a duty of care to the Tenderers, and waives for itself, its successors and

assigns, the right to sue the Town in tort for any loss, including economic loss, costs, expenses, losses, damages, or liability incurred by the Tenderer as a result of or arising out of any error, omission or misrepresentation occurring in the preparation of the Tender Documents, supply of oral or written information to Tenderers, review of Tenders or any document submitted in response to the Invitation to Tender.

- 15.4 Tenderers are solely responsible for their own expenses in preparing a Tender and for subsequent negotiations, if any. If the Town elects to reject any or all Tenders, or to cancel the Tender for any reason, the Tenderer acknowledges and agrees that the Town will not be liable to any Tenderer for any claims, including, without limitation, costs or damages incurred by the Tenderer in preparing the Tender, or loss of any anticipated profit in connection with the Work contemplated by this Tender, or any other matter whatsoever.

16.0 QUERIES

- 16.1 All enquiries regarding the tender submission process may be directed to Sue Bouma, Manager of Corporate Services bid@ladysmith.ca.
- 16.2 All queries regarding the technical specifications forming part of this Tender may be made by contacting: **Tim Tanton, Email: ttanton@ladysmith.ca**.

SCHEDULE A

Specifications and Description of Work

Project Drawings 01-04 are considered part of this section. Where there is a discrepancy between the drawings and these specifications, the drawings shall prevail.

Background:

Aggie field is a multi use ball field that has been experiencing drainage issues. In the late 1980s a perforated drainpipe with drain rock was installed around the field which drained to a catch basin in the boulevard space near the intersection of 1st Avenue and the Trans Canada Highway. Current site conditions indicate that this system is no longer functioning correctly. A rain garden with overflow to the municipal storm drain system has been proposed.

The Works:

The contractor is to install a 107m² (base area) rain garden with a 132m of 300dia PVC storm drain connection as per these specifications and Aggie Field Drainage Drawings 1-4.

The Contractor shall supply all necessary materials.

The drawings include schematic underground utility information. This information is the best available to the Town and is considered schematic only and does not include utilities not owned by the Town (i.e. Fortis BC gas and BC Hydro). Dimensions, depths, locations, etc. should be confirmed prior to excavation.

The Town will remove any trees if required, although storm alignment should be adjusted if necessary to avoid tree removal.

Upon completion of the Work the field shall be restored to pre-construction condition to the satisfaction of the Town. Care should be taken throughout construction to disrupt as little of the field as possible.

Schedule:

The Works need to be completed before the end of the growing season to ensure restoration and seeding measures are effective. It is the Town's preference that this work commence as early as possible to allow time for any disturbed grass to be reinstated before the softball season begins again.

The Town plans to award the work within one week of the closing date and time.

Permits

The contractor must carry a minimum of \$2 million liability insurance coverage and have the Town of Ladysmith listed as an additional named insured on their policy. The contractor will be expected to sign a Prime Contractor designation for their work area. Work cannot proceed until these requirements have been met.

Upon signing a Prime Contractor designation and providing proof of liability insurance with the Town listed as additionally insured, the contractor will be provided a Work in Town Streets permit. A pre-construction meeting will be held between Town staff and the contractor before construction may commence.

Administrative

The contractor may invoice for work and materials complete at the end of each month. The Town will endeavor to pay within 30 calendar days. A 10% holdback will be retained in accordance with the Builder's Lien Act.

Requests for information should be directed to **Tim Tanton** – ttanton@ladysmith.ca at the Town. The Town will respond to enquiries within 3 business days. It is anticipated that most questions may be able to be answered on site immediately and recorded to save time and potential delays.

Any change in scope not anticipated in the quote should be brought to the attention of **Tim Tanton** – ttanton@ladysmith.ca as soon as possible with justification for the change or potential impact to the budget and schedule. Changes should not proceed until the costs have been determined and agreed to.

SCHEDULE B

Contract General Conditions

1.0 Payment

- 1.1 Payment by the Town, subject to any holdbacks under the *Builder's Lien Act (British Columbia)* or any amounts held back under the Contract for deficiencies or other reason will be made within thirty (30) days after completion of the Work and/or delivery of tendered equipment, receipt of invoice, and acceptance by the Town. The Work will not be accepted for payment until all conditions and tendered specifications have been met.

2.0 Notices

- 2.1 Any notice required to be given in this contract shall be deemed to be duly given to the Town if sent by registered mail addressed to the Town of Ladysmith, PO BOX 220, Ladysmith, BC V9G 1A2 and to the contractor if sent by registered mail at the address set forth in the Tender.

3.0 Ownership of Tender & Freedom of Information and Confidentiality

- 3.1 All documents submitted in response to this Tender shall become the property of the Town and as such will be subject to the disclosure provisions of the *Freedom of Information and Protection of Privacy Act*.
- 3.2 The Tenderer should advise the Town in writing if any information is supplied as part of the Tender processing confidence and to which section 21 of the *Freedom of Information and Protection of Privacy Act* applies.

4.0 Queries

- 4.1 All queries regarding the technical specifications forming part of this Tender may be made by contacting: **Tim Tanton, Email: ttanton@ladysmith.ca**.

5.0 Indemnification

- 5.1 In carrying out these works, the Contractor will act as an independent contractor and must agree to keep the Town indemnified against any and all claims, actions or demands that may be brought, made or arise in respect of anything done or omitted to be done by its employees who shall be and remain at all times and for all purposes, the servants or employees of the Contractor.

6.0 Insurance

- 6.1 The Contractor shall submit to the Town, upon acceptance of the tender, a Certificate of Insurance containing the following:
- a provision naming Town of Ladysmith as an additional insured to the Liability Policy;
 - a Cross Liability Clause;
 - Comprehensive General Liability in an amount not less than **\$5,000,000.00**;
 - A provision requiring the Insurer to give the Town 30 days' notice of cancellation or lapsing or any material change in the insurance policy; and
 - Liability insurance in an amount not less than **\$5,000,000.00** with the Insurance Corporation of British Columbia on any licensed motor vehicles of any kind.

7.0 Safety

- 7.1 In tendering for this work, the Contractor, when called upon to enter into contract with the Town, will be bound to comply with and be subject to the provisions, rules and regulations of the Workers' Compensation Act, and with all other Statutes and Municipal by-laws pertaining to the work.
- 7.2 All materials delivered and services provided must be in accordance with all laws, regulations and requirements of B.C. Workers' Compensation Board and Occupational Health and Safety Legislation.
- 7.3 Proof of WorkSafe registration must be submitted, along with proof of up-to-date assessment payment, prior to commencement of work.

8.0 Sub-Contracting

- 8.1 Sub-contracting of work is not permitted without prior approval, in writing, from the Director of Infrastructure Services.

9.0 Quantities

- 9.1 Anticipated quantities listed in the tender forms are estimated annual requirements based on historical and anticipated usage. The Town will not be responsible for any variations in usage.

10.0 Cancellation

- 10.1 The Town reserves the right to cancel this Tender at any time and for any reason, and will not be responsible for any loss, damage, cost or expense incurred or suffered by any Tenderer as a result of that cancellation.
- 10.2 The Town reserves the right to cancel the Contract, at its sole and absolute discretion, with 30 days' written notice to the Contractor, and the Contractor will have no rights or claims against the Town. Cancellation would not, in any manner whatsoever, limit the Town's right to bring action against the Contractor for damages for breach of contract.

11.0 Tenderers' Expenses

- 11.1 Tenderers are solely responsible for all their own costs/expenses relating to the preparation and submission of tenders. If the Town elects to reject all tenders, the Town will not be liable to any tenderer for any claims, whether for costs or damages incurred by the tenderer in preparing the tender, loss of anticipated profit in connection with any final Contract, or any other matter whatsoever.

12.0 Limitation of Damages

- 12.1 Without limiting the provision of the previous clause, the Tenderer, by submitting a Tender, agrees that it will not claim damages, for whatever reason, relating to the Contract or in respect of the competitive process, including any costs incurred by the Tenderer in preparing its Tender and the Tenderer, by submitting a Tender, waives any claim for loss of profits if no Contract is made with the Tenderer.

13.0 Responsibility of Tenderers

- 13.1 Each tenderer is responsible for informing themselves as to the contents and requirement of this tender including the Town's Purchasing Policy, which governs the award of this tender. The Purchasing Policy may be requested from City Hall. Each tenderer is solely responsible to ensure that they have obtained and considered all information necessary to understand the requirements of the tender and to prepare and submit their tender. The Town will not be responsible for any loss, damage or expense incurred by a tenderer as a result of any inaccuracy or incompleteness in this tender, or as a result of any misunderstanding or misinterpretation of the terms of the tender on the part of any tenderer.
- 13.2 If a Tenderer is in doubt as to the true meaning of any part of this Tender, or finds omissions, discrepancies or ambiguities, a request for interpretation or correction may be submitted to the office of Manager of Legislative Services and, if deemed necessary by the Town, an addendum will be issued to all firms registered as having received this Tender. This procedure also applies should the Town, of its own accord, wish to expand or delete any part of this Tender.

14.0 Accuracy of Information

- 14.1 The Town makes no representation or warranty, either expressed or implied, with respect to the accuracy or completeness of any information contained in or referred to in the Tender.

15.0 Dispute Resolution

- 15.1 In the event of a dispute between the Town and the Contractor, both parties agree to appoint representatives who, in good faith, will use their best efforts to resolve the dispute.
- 15.2 Should the representatives be unable to promptly resolve the dispute, both parties shall agree to continue the work as required, being understood that neither party will jeopardize any claim that they may have.
- 15.3 Further to clause 18.2, both parties agree to resolve the dispute using a single arbitrator as provided for under the Commercial Arbitration Act of British Columbia with the costs being split equally between the parties.
- 15.4 Any verbal representations, promises, statements or advice made by any employees of the Town, other than that offered through the Manager of Legislative Services, should not be relied upon.

L:\Public Works\Department\5200 - 5799 ENGINEERING AND PUBLIC WORKS\5810 PARKS - GENERAL\Aggie Field\Aggie - Rev3.dwg, 2025-06-05 2:24:56 PM, ISO A1 (841.00 x 594.00 MM), 1:1



DRAWING LIST

1. COVER SHEET
2. PLAN & PROFILE 000-050
3. PLAN & PROFILE 050-130
4. MISC. DETAILS



GENERAL NOTES:

1. ALL WORKS AND MATERIALS ARE AS DESCRIBED IN THE TOWN OF LADYSMITH 'MUNICIPAL SPECIFICATIONS AND DRAWING STANDARDS' OR AS OTHERWISE APPROVED BY THE TOWN ENGINEER.
2. CONTRACTOR TO CONFIRM LOCATION OF EXISTING UTILITIES AT ALL CROSSINGS AND CONNECTIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
3. ALL LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND SHOULD BE CONFIRMED BY USE OF A PIPE LOCATOR AND MANUAL DIGGING. ALL OR ANY STRUCTURES NOT NECESSARILY SHOWN.
4. CONTRACTOR TO OBTAIN A WORK IN TOWN STREETS PERMIT AT LEAST 48 HOURS BEFORE THE START OF ANY CONSTRUCTION.
5. CONTRACTOR TO COMPLY WITH ALL APPLICABLE MINISTRY OF ENVIRONMENT AND DEPARTMENT OF FISHERIES & OCEANS CANADA REQUIREMENTS AT ALL TIMES DURING CONSTRUCTION.
6. ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES ARE TO BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED PRIOR TO CONSTRUCTION.
7. DATA SOURCES:
 - TOPOGRAPHIC SURVEY COMPLETED BY TURNER & ASSOCIATES LAND SURVEYING IN 2021
 - 2024 LIDAR DATA

DITCH NOTES:

- a. RESTORE DITCH WITH A MINIMUM OF 300mm OF APPROVED GRANULAR MATERIAL, OR OTHER MATERIAL SPECIFIED BY THE ENGINEER WHERE STABILITY OF DITCH SLOPES AND BOTTOM CANNOT BE MAINTAINED. COMPACT TO 95% MODIFIED PROCTOR DENSITY AT OPTIMUM MOISTURE CONTENT (ASTM D1557).
- b. DITCHES SHALL BE TRAPEZOIDAL IN SHAPE HAVING MAXIMUM SIDE SLOPES OF 1-1/2 H:1V AND A MINIMUM BOTTOM WIDTH OF 450mm. THE MINIMUM GRADE OF A DITCH SHALL BE 1.5%.

RAIN GARDEN DETAILS:

DESIGN DERIVED FROM GREATER VANCOUVER'S STORMWATER SOURCE CONTROL DESIGN GUIDELINES 2012 FOR AN INFILTRATION RAIN GARDEN USING THE FOLLOWING CRITERIA AND THE MODIFIED CROSS SECTION ON SHEET 4:

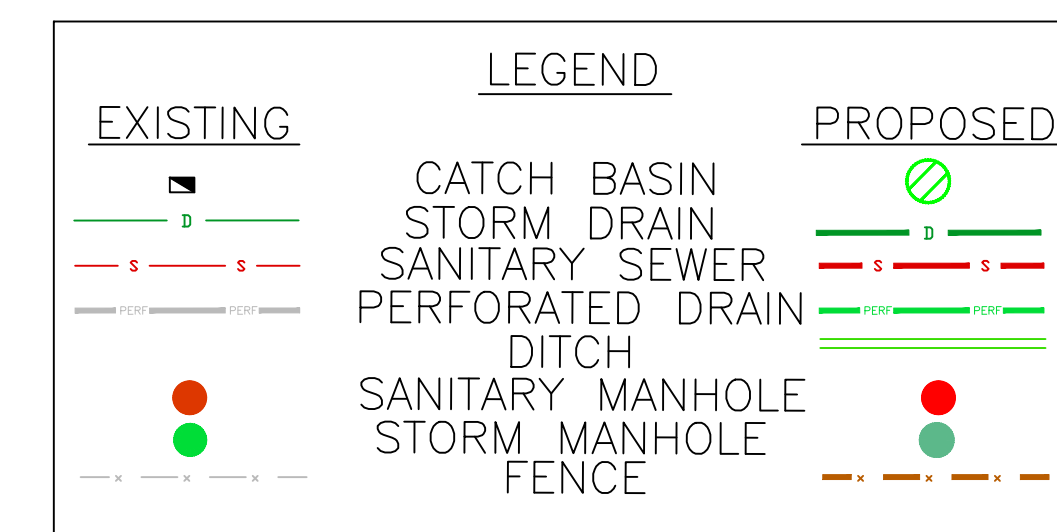
IMPERVIOUS AREA: 2ND AVENUE: 1289 m²
PERVIOUS AREA: SLOPE AND SURROUNDING FIELD: 4270m²
TOTAL CATCHMENT AREA: 5559m²
I/P RATIO: 12.

$$\begin{aligned} \text{RAIN GARDEN BASE AREA} &= (\text{TRIBUTARY IMPERVIOUS AREA})/(\text{I/P RATIO}) \\ &= \frac{1289}{12} \\ &= 107 \end{aligned}$$

MIN. BASE AREA = 107m^2 :
DIMENSIONS TO FIT IN AVAILABLE AREA: $14.5 \times 22 \times 15$

FLOW RESTRICTOR DETAILS:

- FLOW RESTRICTOR TO BE 300Ø PVC TEE INSTALLED IN CB1.
- END CAP WITH 50Ø DRILLED HOLE TO BE INSTALLED ON BOTTOM OF TEE.
- TOP OF TEE TO BE LEFT OPEN AS EMERGENCY OVERFLOW.



RECORD OF REVISIONS				
REV	DATE	BY	ENG	DESCRIPTION
A	06-25	MR		TENDER

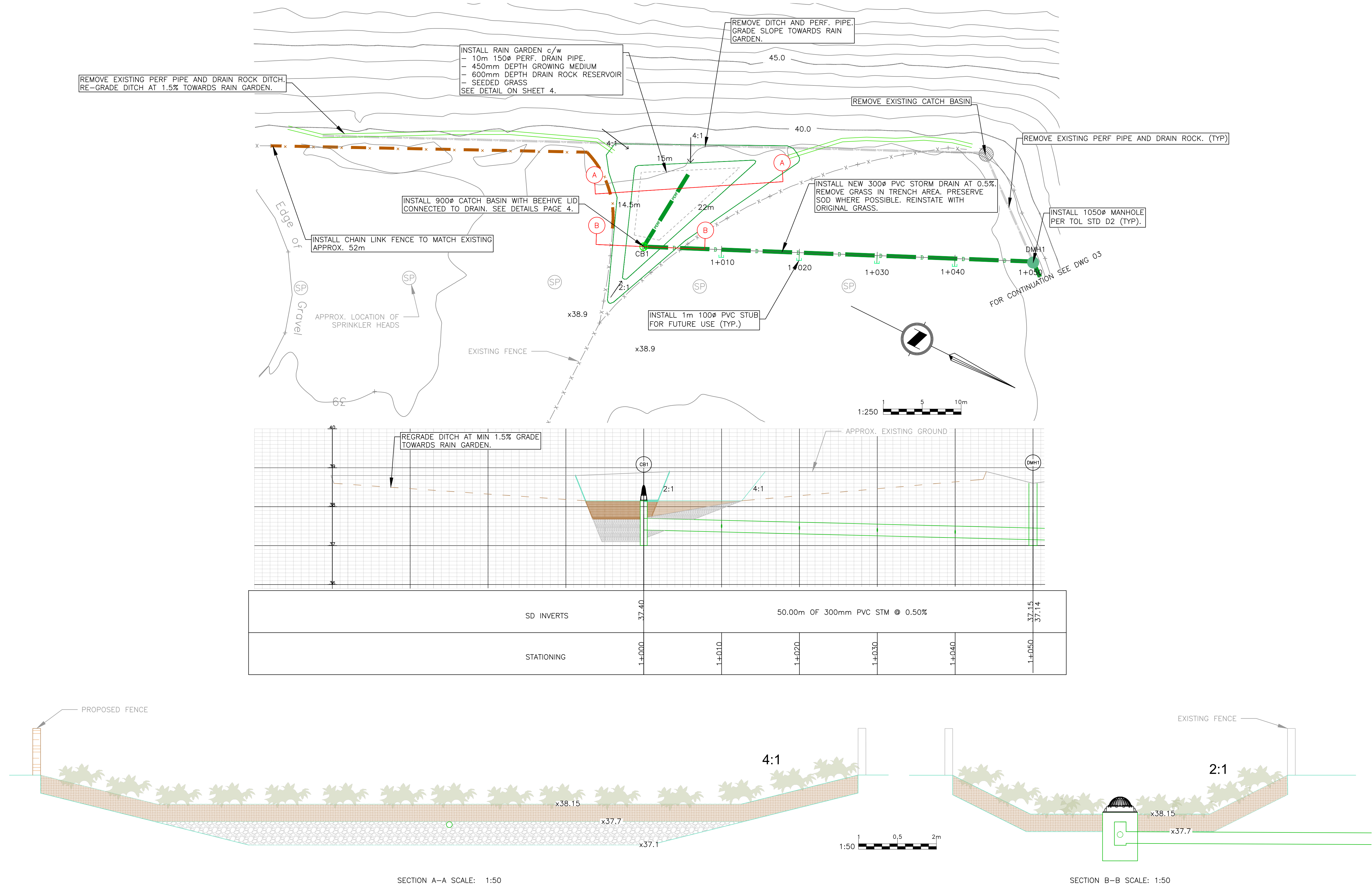
TOWN OF LADYSMITH ENGINEERING DEPARTMENT

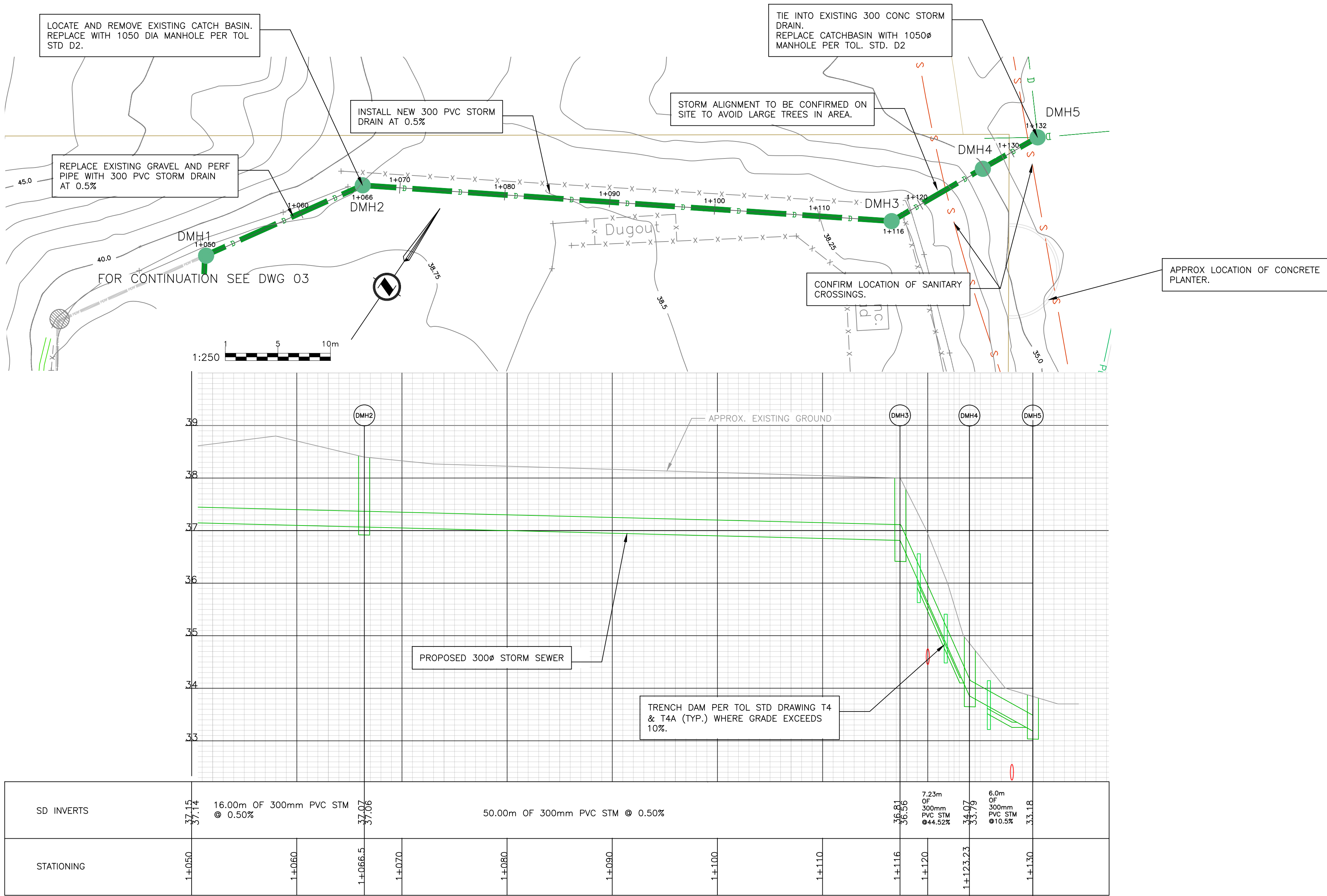
PROJECT NAME AND ADDRESS

AGGIE FIELD DRAINAGE
COVER SHEET

LADYSMITH, BC

Project AGGIE FIELD DRAINAGE	01
Date 23.05.2025	
Scale As Noted	





RECORD OF REVISIONS				
REV	DATE	BY	ENG	DESCRIPTION

A	06-25	MR		TENDER

SEAL

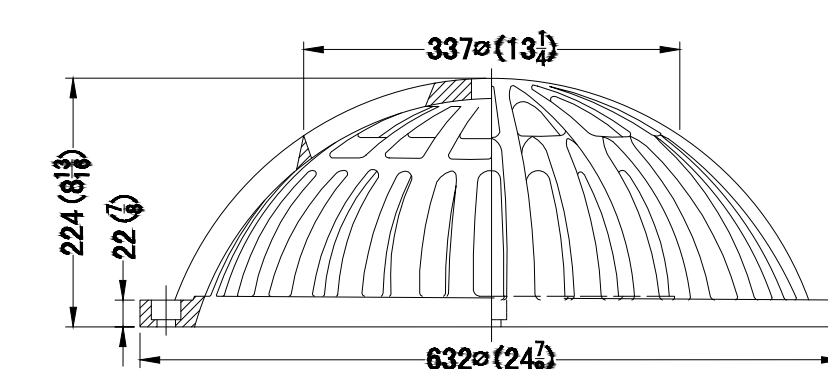
TOWN OF LADYSMITH ENGINEERING DEPARTMENT

PROJECT NAME AND ADDRESS
AGGIE FIELD DRAINAGE
PLAN AND PROFILE
1+050 TO 1+130
LADYSMITH, BC

Project AGGIE FIELD DRAINAGE	Sheet 03
Date 26.06.2025	
Scale HORIZ: 1:250 VERT: 1:50	

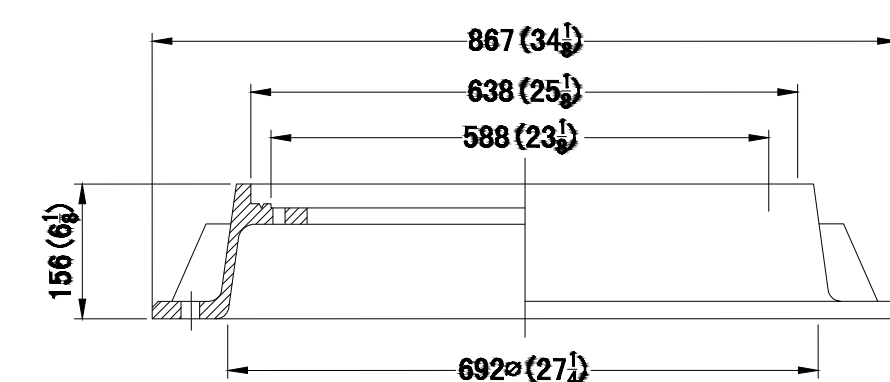


1. GRASS PLANTINGS
2. GROWING MEDIUM MIN. 450mm DEPTH
3. ORGANIC MULCH
4. DRAIN ROCK RESERVOIR 600mm DEPTH
5. FLAT SUBSOIL - SCARIFIED
6. PERFORATED DRAIN PIPE (150mm DIA MIN.)
7. GEOTEXTILE ALONG ALL SIDES OF DRAIN ROCK RESERVOIR
8. BEEHIVE INLET AT CATCH BASIN
9. OUTFLOW PIPE TO STORM DRAIN WITH FLOW RESTRICTOR
10. 150mm OF 38mm DRAIN ROCK ON APPROVED SUBGRADE



WESTVIEW SALES LTD.

TB3624
DOMED CATCH BASIN GRATE



WESTVIEW SALES LTD.

TB3624
DOMED CATCH BASIN FRAME

[illegible]