



## INVITATION TO TENDER

ITT NO. ENG 22-01

**CONSTANCE AVENUE SIDEWALK, LOCKLEY ROAD  
PEDESTRIAN IMPROVEMENTS, & LYALL STREET SURFACE  
IMPROVEMENTS**

DATE OF ISSUE: JUNE 10, 2022

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UNIT  
PRICE  
CONTRACT

ENG 22-01  
CONSTANCE AVENUE SIDEWALK,  
LOCKLEY ROAD PEDESTRIAN IMPROVEMENTS,  
& LYALL STREET SURFACE IMPROVEMENTS  
INVITATION TO TENDERERS

INVITATION TO TENDERERS  
PAGE 1 OF 1

**Owner:** THE CORPORATION OF THE TOWNSHIP OF ESQUIMALT  
( NAME OF OWNER )

**Contract:** CONSTANCE AVENUE SIDEWALK, LOCKLEY ROAD PEDESTRIAN  
IMPROVEMENTS, & LYALL STREET SURFACE IMPROVEMENTS  
( TITLE OF CONTRACT )

**Reference No.:** ENG 22-01  
( OWNER'S CONTRACT REFERENCE NO. )

**The Owner invites tenders for:** The supply of labour, materials, and equipment to construct:  
neighbourhood sidewalks and road rehabilitation on Lampson Street,  
Lyll Street, Head Street, Constance Avenue, and Lockley Road/Lugrin  
Place. The works are inclusive of traffic calming, signs, pavement  
markings and associated infrastructure.  
( BRIEF DESCRIPTION OF THE WORK )

**Digital (pdf) copies of the Contract Documents are available for no charge:** Civic Info (www.civicinfo.bc.ca)  
BC Bid (www.bcbid.gov.bc.ca)  
Township of Esquimalt (www.Esquimalt.ca)  
( ADDRESS WHERE CONTRACT DOCUMENTS CAN BE VIEWED )

**Tenders are scheduled to close:**

**Tender Closing**

**Time: 2:00 PM local time**

**Tender Closing**

**Date: June 29, 2022**

**Address: ELECTRONIC SUBMISSIONS VIA EMAIL TO  
[nicole.eyre@esquimalt.ca](mailto:nicole.eyre@esquimalt.ca)**  
( ADDRESS WHERE TENDERS MUST BE SUBMITTED )

Due to the COVID-19 pandemic, tenders will not be open in public. Submissions must be emailed as a pdf attachment to the above listed email address.

Please note: Email submissions could be delayed or rejected by the Township of Esquimalt's email security system. The onus is on the tenderers to make sure the Township receives the email submission.

**NAME OF OWNER'S  
REPRESENTATIVE**

JOEL CLARY, DIRECTOR OF ENGINEERING AND PUBLIC WORKS

Contact via email

( PHONE )

[Joel.clary@esquimalt.ca](mailto:Joel.clary@esquimalt.ca)

( E-MAIL )

(FOR USE WHEN UNIT PRICES FORM THE BASIS OF PAYMENT TO BE USED ONLY WITH THE GENERAL CONDITIONS AND OTHER STANDARD DOCUMENTS OF THE UNIT PRICE MASTER MUNICIPAL CONSTRUCTION DOCUMENTS.)

(TO BE READ WITH “INSTRUCTIONS TO TENDERERS – PART II”  
 CONTAINED IN THE EDITION OF THE PUBLICATION  
 “MASTER MUNICIPAL CONSTRUCTION DOCUMENTS” SPECIFIED IN ARTICLE 2.2 BELOW)

*Owner:* CORPORATION OF THE TOWNSHIP OF ESQUIMALT  
 ( NAME OF OWNER )

*Contract:* CONSTANCE AVENUE SIDEWALK,  
 LOCKLEY ROAD PEDESTRIAN IMPROVEMENTS,  
 & LYALL STREET SURFACE IMPROVEMENTS  
 ( TITLE OF CONTRACT )

Reference No. ENG 22-01  
 ( OWNER'S CONTRACT REFERENCE NO. )

**1.0 Introduction**

1.1 These Instructions apply to and govern the preparation of tenders for this *Contract*. The *Contract* is generally for the following work:

The supply of labour, materials, and equipment to construct: neighbourhood sidewalks and road rehabilitation on Lampson Street, Lyall Street, Head Street, Constance Avenue, and Lockley Road/Lugrin Place. The works are inclusive of traffic calming, signs, pavement markings and associated infrastructure.

( BRIEF DESCRIPTION OF THE WORK )

1.2 Direct all inquiries regarding the *Contract*, to:

Joel Clary, Director of Engineering & Public Works

( NAME AND POSITION OF INDIVIDUAL WHO WILL ANSWER INQUIRIS )

**Address:** 1229 Esquimalt Road  
 Esquimalt, BC V9A 3P1

**Phone:** Contact via email

**Email:** [Joel.clary@esquimalt.ca](mailto:Joel.clary@esquimalt.ca)

**2.0 Tender Documents**

2.1 The tender documents which a tenderer should review to prepare a tender consist of all of the *Contract Documents* listed in Schedule 1 entitled “Schedule of Contract Documents”. Schedule 1 is attached to the Agreement which is included as



part of the tender package. The *Contract Documents* include the drawings listed in Schedule 2 to the Agreement, entitled “List of *Contract Drawings*”.

2.2 A portion of the *Contract Documents* are included by reference. Copies of these documents have not been included with the tender package. These documents are the Instructions to Tenderers - Part II, General Conditions, Specifications and Standard Detail Drawings. They are those contained in the publication entitled “Master Municipal Construction Documents - General Conditions, Specifications and Standard Detail Drawings”. Refer to Schedule 1 to the Agreement or, if not specified in Schedule 1, then the applicable edition shall be the most recent edition as of the date of the *Tender Closing Date*. All sections of this publication are by reference included in the *Contract Documents*.

2.3 Any additional information made available to tenderers prior to the *Tender Closing Time* by the *Owner* or representative of the *Owner*, such as geotechnical reports or as-built plans, which is not expressly included in Schedule 1 or Schedule 2 to the Agreement, is not included in the *Contract Documents*. Such additional information is made available only for the assistance of tenderers who must make their own judgment about its reliability, accuracy, completeness and relevance to the *Contract*, and neither the *Owner* nor any representative of the *Owner* gives any guarantee or representation that the additional information is reliable, accurate, complete or relevant.

**3.0 Submission of Tenders**

3.1 Tenders must be submitted electronically via email to:

[Nicole.eyre@esquimalt.ca](mailto:Nicole.eyre@esquimalt.ca)

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(EMAIL)

on or before:

**Tender Closing Time: 2:00PM local time**

**Tender Closing Date: June 29, 2022**

Tender hardcopies will **NOT** be accepted. File type in email submission must be attached as a pdf.

Email submissions could be delayed or rejected by the Township of Esquimalt’s email security system. The onus is on the tenderers to make sure the Township receives the email submission on or before the date and time listed above.

3.2 Late tenders will not be accepted or considered, and will be returned unopened.

**4.0 Additional Instructions to Tenderers**

4.1 **Evaluation Criteria:** The Township will base its evaluation of tender submissions on price.

4.2 **Substantial Performance:** The Township requires all *Contract* work be completed by **October 28, 2022**.

4.3 **COVID Protocol:** The Contractor is expected to follow all provincial directives surrounding COVID 19 protocols.

4.4 **Prime Contractor:** For the purpose of the Contract, the successful Bidder shall be deemed to be the “Prime Contractor” as defined under the regulations of the Worker’s Compensation Act. The successful Bidder shall be responsible for meeting all requirements associated with this role.

4.5 **Subcontractor:** The Township reserves the right to object to any of the subcontractors listed in the Tender. If the Township objects to a listed subcontractor(s) then the Township will permit a Bidder to, within five (5) days, propose a substitute subcontractor(s) acceptable to the Township provided that there is no resulting adjustment in the Tender cost or completion date set out in the Form of Tender.

4.6 **Financial Security:** Failure to provide financial security (as described in 5.2.1 of IT-Part II) with your tender submission, will result in your tender being deemed incomplete and therefore will not be considered.

4.7 **Funding:** Proceeding with an award of this tender may be subject to available funding.

4.8 **Cancellation:** The Township 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 and Tenderer as a result of that cancellation.

- 4.9 **Notice of Project:** The Contractor shall submit to WorkSafe BC a completed Notice of Project, providing a copy to the Township.
- 4.10 **Submittals:** The Contractor shall submit, in a form acceptable to The Township, upon acceptance of the tender and prior to receiving Notice to Proceed:
- A completed Prime Contractor Designation Form.
  - A copy of the WorkSafe BC Notice of Project.
  - A detailed work schedule describing each phase of the project (i.e. supply, installation etc.).
  - A Traffic Control Plan and how it relates to the detailed work schedule.
  - An Environmental Management Plan to address environmental issues related to the construction and how the work will comply with federal, provincial and local regulations and bylaws.
  - A COVID-19 Exposure Control Plan to demonstrate the minimum standards in alignment with WorkSafe BC that the Prime Contractor will be implementing for on-site personnel to prevent exposure and transmission of COVID-19.
- 4.11 **Addenda:** Any and all addenda to this Tender will be posted on BC Bid. It is the sole responsibility of the tenderer to make sure that they are in receipt of all addenda prior to the closing date and acknowledge receipt of the addenda on the Tender Form.
- 4.12 **Freedom of Information:** The Township is subject to the provisions of the Freedom of Information and Protection of Privacy Act. As a result, while Section 21 of the Act does offer some protection for third party business interests, The Township cannot guarantee that any information provided to The Township can be held in confidence.
- 4.13 **Accuracy of Information:** The Township 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.
- 4.14 **Responsibility of Tenderers:** Each tenderer is responsible for informing themselves as to the contents and requirement of this tender.

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 Township 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.

FOR USE WHEN UNIT PRICES FORM THE BASIS OF PAYMENT - TO BE USED ONLY WITH THE GENERAL CONDITIONS AND OTHER STANDARD DOCUMENTS OF THE UNIT PRICE MASTER MUNICIPAL CONSTRUCTION DOCUMENTS.  
 FOR USE WHEN UNIT PRICES FORM THE BASIS OF PAYMENT - TO BE USED ONLY WITH THE GENERAL CONDITIONS AND OTHER STANDARD DOCUMENTS OF THE UNIT PRICE MASTER MUNICIPAL CONSTRUCTION DOCUMENTS.

*Owner:* CORPORATION OF THE TOWNSHIP OF ESQUIMALT  
 ( NAME OF OWNER )

*Contract:* CONSTANCE AVENUE SIDEWALK AND LYALL STREET SURFACE IMPROVEMENTS  
 ( TITLE OF CONTRACT )

Reference No. ENG 22-01  
 ( OWNER'S CONTRACT REFERENCE NO. )

**To Owner:**

**WE, THE  
 UNDERSIGNED:**

1.1 have received and carefully reviewed all of the *Contract Documents*, including the Instructions to Tenderers, the specified edition of the "Master Municipal Construction Documents - General Conditions, Specifications and Standard Detail Drawings" and the following Addenda:

\_\_\_\_\_  
 \_\_\_\_\_;  
 \_\_\_\_\_  
 ( ADDENDA, IF ANY )

1.2 have full knowledge of the *Place of the Work*, and the *Work* required; and

1.3 have complied with the Instructions to Tenderers.

**ACCORDINGLY WE  
 HEREBY OFFER**

2.1 to perform and complete all of the *Work* and to provide all the labour, equipment and material all as set out in the *Contract Documents*, in strict compliance with the *Contract Documents*; and

2.2 to achieve Substantial Performance of the *Work* on or before October 28, 2022; and  
 ( WORK DURATION OR DATE )

2.3 to do the *Work* for the price, which is the sum of the products of the actual quantities incorporated into the *Work* and the appropriate unit prices set out in Appendix 1, the "*Schedule of Quantities and Prices*", plus any lump sums or specific prices and adjustment amounts as provided by the *Contract Documents*. For the purposes of tender comparison, our offer is to complete the *Work* for the "*Tender Price*" as set out on Appendix 1 of this Form

of Tender. Our *Tender Price* is based on the estimated quantities listed in the *Schedule of Quantities and Prices*, and excludes *GST*.

**WE CONFIRM:**                    3.1        that we understand and agree that the quantities as listed in the *Schedule of Quantities and Prices* are estimated, and that the actual quantities will vary.

**WE CONFIRM:**                    4.1        that the following appendices are attached to and form a part of this tender:

4.1.1    the appendices as required by paragraph 5.3 of the Instructions to Tenderers – Part II; and

4.1.2    the *Bid Security* as required by paragraph 5.2 of the Instructions to Tenderers – Part II.

**WE AGREE:**                    5.1        that this tender will be irrevocable and open for acceptance by the *Owner* for a period of 60 calendar days from the day following the *Tender Closing Date and Time*, even if the tender of another tenderer is accepted by the *Owner*. If within this period the *Owner* delivers a written notice ("*Notice of Award*") by which the *Owner* accepts our tender we will:

5.1.1    within 15 *Days* of receipt of the written *Notice of Award* deliver to the *Owner*:

- .1    a Performance Bond and a Labour and Material Payment Bond, each in the amount of 50% of the Contract Price, covering the performance of the Work including the Contractor’s obligations during the Maintenance Period, issued by a surety licensed to carry on the business of suretyship in the province of British Columbia, and in a form acceptable to the Owner;
- .2    a Baseline Construction Schedule, as provided by GC 4.6.1;
- .3    a “clearance letter” indicating that the tenderer is in Worksafe BC compliance;
- .4    a copy of the insurance policies as specified in GC 24 indicating that all such insurance coverage is in place; and
- .5    all documents as detailed by paragraph 4.6 of the Instructions to Tenderers – Part 1.

5.1.2    within 2 *Days* of receipt of written “*Notice to Proceed*”, or such longer time as may be otherwise specified in the *Notice to Proceed*, commence the *Work*; and

- WE AGREE:**
- 5.1.3 sign the Contract Documents as required by GC 2.1.2.
  - 6.1 that, if we receive written *Notice of Award* of this *Contract* and, contrary to paragraph 5 of this Form of Tender, we:
    - 6.1.1 fail or refuse to deliver the documents as specified by paragraph 5.1.1 of this Form of Tender; or
    - 6.1.2 fail or refuse to commence the *Work* as required by the *Notice to Proceed*,  
then such failure or refusal will be deemed to be a refusal by us to enter into the *Contract* and the *Owner* may, on written notice to us, award the *Contract* to another party. We further agree that, as full compensation on account of damages suffered by the *Owner* because of such failure or refusal, the *Bid Security* shall be forfeited to the *Owner*, in an amount equal to the lesser of:
      - 6.1.3 the face value of the *Bid Security*; and
      - 6.1.4 the amount by which our *Tender Price* is less than the amount for which the *Owner* contracts with another party to perform the *Work*.

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FORM OF TENDER

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OUR ADDRESS IS AS  
FOLLOWS:

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Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Attention: \_\_\_\_\_

This Tender is executed this  
\_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_.

*Contractor:*

\_\_\_\_\_  
(FULL LEGAL NAME OF CORPORATION, PARTNERSHIP OR INDIVIDUAL)

\_\_\_\_\_  
(AUTHORIZED SIGNATORY)

\_\_\_\_\_  
(AUTHORIZED SIGNATORY)



**APPENDIX 1**  
**SCHEDULE OF QUANTITIES AND PRICES**  
(SEE PARAGRAPH 5.3.1 OF THE INSTRUCTIONS TO TENDERERS – PART II)

(All prices and *Quotations* including the *Contract Price* shall include all *Taxes*, but shall not include *GST*. *GST* shall be shown separately.)

Any work called for in these Contract Documents, shown on the plans, or which is necessary for the completion of the Work called for in these Contract Documents and which is not specifically listed as a separate payment item in this Appendix shall be deemed incidental to the performance of the Work and to the general purpose of the Contract; no separate payment will be made on account of any such Work, but the costs of any such incidental Work shall be included in the Unit and Lump Sum Prices.

**CONSTANCE AVENUE SIDEWALK, LOCKLEY ROAD PEDESTRIAN IMPROVEMENTS,  
& LYALL STREET SURFACE IMPROVEMENTS**

**TENDER SUMMARY SHEET**

| <b>Constance Avenue Sidewalk Improvements</b>                          | <b>AMOUNT</b> |
|--|---------------|
| 1.0 Project 1 - Constance Avenue Sidewalk Improvements                 |               |
| 1.0 SUBTOTAL TENDER PRICE  | _____         |
| GST @ 5%   | _____         |
| <b>1.0 TENDER PRICE plus GST</b>                                       | _____         |
| Lyll Street Surface Improvements                                       | AMOUNT        |
| 2.0 Project 2 – Lyall Street Surface Improvements                      |               |
| 2.0 SUBTOTAL TENDER PRICE  | _____         |
| GST @ 5%   | _____         |
| <b>2.0 TENDER PRICE plus GST</b>                                       | _____         |
| Sidewalk Improvements for Lockley Road and Lugin Place                 | AMOUNT        |
| 3.0 Project 3 - Sidewalk Improvements for Lockley Road and Lugin Place |               |
| 3.0 SUBTOTAL TENDER PRICE  | _____         |
| 3.0 GST @ 5%   | _____         |
| <b>3.0 TENDER PRICE plus GST</b>                                       | _____         |
| TENDER’S INITIALS _____  |               |

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**CONSTANCE AVENUE SIDEWALK,  
LOCKLEY ROAD PEDESTRIAN IMPROVEMENTS,  
& LYALL STREET SURFACE IMPROVEMENTS**

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| <b>1.0 Project 1 - Constance Avenue Sidewalk Improvements</b>   |                  |   |                |                  |                   |               |
|---|------------------|---|----------------|------------------|-------------------|---------------|
| <b>ITEM</b>   | <b>SSMP REF.</b> | <b>DESCRIPTION</b>  | <b>UNIT</b>    | <b>EST. QTY.</b> | <b>UNIT PRICE</b> | <b>AMOUNT</b> |
| <b>DIVISION 1 – GENERAL REQUIREMENTS</b>                        |                  |   |                |                  |                   |               |
| <b>01 52 01 – Temporary Structures</b>                          |                  |   |                |                  |                   |               |
| 1.01  | 1.6.2S           | Mobilization/ Demobilization  | lump sum       | 1                |                   |               |
| <b>01 55 00 – Traffic Control, Vehicle Access and Parking</b>   |                  |   |                |                  |                   |               |
| 1.02  | 1.5.1            | Traffic Management Plan   | lump sum       | 1                |                   |               |
| 1.03  | 1.5.1S           | Traffic Control   | lump sum       | 1                |                   |               |
| <b>01 57 01 - Environmental Protection</b>                      |                  |   |                |                  |                   |               |
| 1.04  | 1.6.1            | Environmental Management Plan   | lump sum       | 1                |                   |               |
| <b>DIVISION 3 – CONCRETE</b>                                    |                  |   |                |                  |                   |               |
| <b>03 30 20 – Concrete Walks, Curbs and Gutters</b>             |                  |   |                |                  |                   |               |
| 1.05  | 1.4.2S, 1.4.4S   | Hand Formed Curb and Gutter – Roller Over - MMCD Type C4 - Including Granular Base            | lm             | 150              |                   |               |
| 1.06  | 1.4.5            | Concrete Walks, Infill Strips, and Walkways - Including Ramps and Base Gravels - Broom Finish | m <sup>2</sup> | 492              |                   |               |
| 1.07  | 1.4.6            | Concrete Walks, Infill Strips, and Walkways - Including Ramps and Base Gravels - Driveways    | m <sup>2</sup> | 47               |                   |               |
| <b>03 30 53 - Cast-In-Place Concrete</b>                        |                  |   |                |                  |                   |               |
| 1.08  | 1.4.10S          | Mortared Rock Retaining Wall – <b>Optional</b>  | m <sup>2</sup> | 36               |                   |               |
| 1.09  | 1.5.4S           | Concrete Pathway/Staircase  | ea             | 2                |                   |               |
| <b>DIVISION 31 – EARTHWORKS</b>                                 |                  |   |                |                  |                   |               |
| <b>31 11 01 - Clearing and Grubbing</b>                         |                  |   |                |                  |                   |               |
| 1.10  | 1.4.1, 1.4.2     | Clearing and Grubbing - Trees, shrubs and hedge removal                                       | lump sum       | 1                |                   |               |
| <b>31 11 41 - Shrub and Tree Preservation</b>                   |                  |   |                |                  |                   |               |
| 1.11  | 1.3.1            | Tree Protection - Fencing, mulch, and Watering - <b>OPTIONAL</b>                              | lump sum       | 1                |                   |               |
| <b>31 23 01 – Excavating, Trenching and Backfilling</b>         |                  |   |                |                  |                   |               |
| 1.12  | 1.10.3S          | Overexcavation - <b>OPTIONAL</b>  | m <sup>3</sup> | 50               |                   |               |
| <b>31 23 17 – Rock Removal</b>                                  |                  |   |                |                  |                   |               |
| 1.13  | 1.6              | Rock Removal  | m <sup>3</sup> | 40               |                   |               |
| <b>31 24 13 – Roadway Excavation, Embankment and Compaction</b> |                  |   |                |                  |                   |               |
| 1.14  | 1.8.5S           | Common Excavation - Remove Existing Concrete Curb and Gutter - Including Sawcutting           | lm             | 150              |                   |               |
| 1.15  | 1.8.5S           | Common Excavation - Softscaped Areas - Grassed Areas  | m <sup>3</sup> | 50               |                   |               |

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|---|----------------|--|----------------|-----|--|--|
| <b>1.16</b>                                       | 1.8.5S         | Common Excavation - Remove Existing Asphalt Pavement, Sidewalks and Driveways - Including Sawcutting | m <sup>2</sup> | 340 |  |  |
| <b>1.17</b>                                       | 1.8.5S         | Common Excavation - Ramp   | lump sum       | 1   |  |  |
| <b>DIVISION 32 – ROADS AND SITE IMPROVEMENTS</b>  |                |  |                |     |  |  |
| <b>32 11 16.1 – Granular Subbase</b>              |                |  |                |     |  |  |
| <b>1.18</b>                                       | 1.4.3          | 75mm Minus Crushed Gravel Subbase (200mm thick)  | m <sup>2</sup> | 13  |  |  |
| <b>32 11 23 – Granular Base</b>                   |                |  |                |     |  |  |
| <b>1.19</b>                                       | 1.4.2          | 19mm Minus Crushed Granular Base – Roadway, Driveway, and Sidewalk                                   | t              | 20  |  |  |
| <b>1.20</b>                                       | 1.4.2          | 19mm Minus Crushed Granular Base - Ramp  | t              | 22  |  |  |
| <b>1.21</b>                                       | 1.4.2          | 19mm Minus Crushed Granular Base - Supplementary Roadway - <b>OPTIONAL</b>                           | t              | 10  |  |  |
| <b>32 12 13.1 – Asphalt Tack Coat</b>             |                |  |                |     |  |  |
| <b>1.22</b>                                       | 1.5.1          | Asphalt Tack Coat  | m <sup>2</sup> | 10  |  |  |
| <b>32 12 16 – Hot-Mix Asphalt Concrete Paving</b> |                |  |                |     |  |  |
| <b>1.23</b>                                       | 1.5.1          | Hand Laid - Upper Course #1 (50mm to 65mm thick)   | t              | 18  |  |  |
| <b>1.24</b>                                       | 1.5.1          | Hand Laid - Lower Course #1 - Full Depth Milling - <b>OPTIONAL</b>                                   | t              | 5   |  |  |
| <b>32 31 13 – Chain Link Fences and Gates</b>     |                |  |                |     |  |  |
| <b>1.25</b>                                       | 1.5.4          | MMCD C14 Handrails   | lm             | 23  |  |  |
| <b>1.26</b>                                       | 1.5.3          | Installation of Wood Fence on Top of Mortared Rock Retaining Wall                                    | Lump sum       | 1   |  |  |
| <b>1.27</b>                                       | 1.5.3          | Adjustment of Existing Wooden Gate - <b>OPTIONAL</b>   | lump sum       | 1   |  |  |
| <b>32 91 21 – Topsoil and Finish Grading</b>      |                |  |                |     |  |  |
| <b>1.28</b>                                       | 1.4.1S         | Boulevard Topsoil (150mm)  | m <sup>2</sup> | 20  |  |  |
| <b>32 92 20 – Seeding</b>                         |                |  |                |     |  |  |
| <b>1.29</b>                                       | 1.8.1          | Boulevard Seeding  | m <sup>2</sup> | 20  |  |  |
| <b>DIVISION 33 – UTILITIES</b>                    |                |  |                |     |  |  |
| <b>33 30 01 - Sanitary Sewers</b>                 |                |  |                |     |  |  |
| <b>1.30</b>                                       | 1.6.8S         | Cleanout - 200mm - Connected to Sanitary Sewer   | ea             | 1   |  |  |
| <b>1.31</b>                                       | 1.6.2          | Sanitary Service 100mm - Including Pipe Bedding  | lm             | 42  |  |  |
| <b>1.32</b>                                       | 1.6.3S         | Sanitary Sewer Tie-In to Existing 100mm Service- Including Shear Band Coupler                        | ea             | 1   |  |  |
| <b>1.33</b>                                       | 1.6.6, 1.6.7   | Sanitary Sewer Tie-In to Existing 200mm - Including Shear Band Coupler and Incased With Concrete     | ea             | 1   |  |  |
| <b>33 40 01 – Storm Sewers</b>                    |                |  |                |     |  |  |
| <b>1.34</b>                                       | 1.6.2 , 1.6.5S | 100mm Drainage Pipe - PVC - Including Pipe Bedding   | lm             | 43  |  |  |
| <b>1.35</b>                                       | 1.6.12S        | Storm Sewer Cleanout   | ea             | 2   |  |  |
| <b>1.36</b>                                       | 1.6.9          | Tie-in to Existing Storm Sewer - Including Coupler   | ea             | 2   |  |  |
| <b>33 44 01 – Manholes and Catchbasins</b>        |                |  |                |     |  |  |

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| 1.37   | 1.5.2   | Catchbasin – Top Inlet - Including Frame and Cover | ea | 1 |  |  |
| 1.38   | 1.5.3S  | Adjust Manhole/Casting to Finished Grade           | ea | 9 |  |  |
| 1.39   | 1.5.3S  | Adjust CatchBasin Frames to Finished Grade         | ea | 2 |  |  |
| 1.40   | 1.5.4   | Remove Existing Catchbasin and Dispose Offsite     | ea | 1 |  |  |
| 1.41   | 1.5.1.1 | Manhole Lid Replacement                            | ea | 1 |  |  |
| <b>DIVISION 34 – TRANSPORTATION</b>                      |         |  |    |   |  |  |
| <b>34 41 13 – Traffic Signals</b>                        |         |  |    |   |  |  |
| 1.42   | 1.9.4S  | Relocate Existing Sign and Post                    | ea | 3 |  |  |
| 1.43   | 1.9.4S  | Install New Sign                                   | ea | 1 |  |  |
| <b>Subtotal (to be carried forward to summary sheet)</b> |         |  |    |   |  |  |

| <b>2.0 Project 2 – LYALL STREET SURFACE IMPROVEMENTS</b>        |                |   |                |           |            |        |
|---|----------------|---|----------------|-----------|------------|--------|
| ITEM  | SSMP REF.      | DESCRIPTION   | UNIT           | EST. QTY. | UNIT PRICE | AMOUNT |
| <b>DIVISION 1 – GENERAL REQUIREMENTS</b>                        |                |   |                |           |            |        |
| <b>01 52 01 – Temporary Structures</b>                          |                |   |                |           |            |        |
| 2.01  | 1.6.2S         | Mobilization/ Demobilization  | lump sum       | 1         |            |        |
| <b>01 55 00 – Traffic Control, Vehicle Access and Parking</b>   |                |   |                |           |            |        |
| 2.02  | 1.5.1          | Traffic Management Plan   | lump sum       | 1         |            |        |
| 2.03  | 1.5.1S         | Traffic Control   | lump sum       | 1         |            |        |
| <b>01 57 01 - Environmental Protection</b>                      |                |   |                |           |            |        |
| 2.04  | 1.6.1          | Environmental Management Plan   | lump sum       | 1         |            |        |
| <b>DIVISION 3 – CONCRETE</b>                                    |                |   |                |           |            |        |
| <b>03 30 20 – Concrete Walks, Curbs and Gutters</b>             |                |   |                |           |            |        |
| 2.05  | 1.4.2S, 1.4.4S | Hand Formed Curb and Gutter - Concrete Barrier - MMCD Type C4 - Including Granular Base                                       | lm             | 480       |            |        |
| 2.06  | 1.4.5          | Concrete Walks, Infill Strips, and Walkways - Including Ramps and Base Gravels - Broom Finish                                 | m <sup>2</sup> | 1375      |            |        |
| 2.07  | 1.4.6          | Concrete Walks, Infill Strips, and Walkways - Including Ramps and Base Gravels - Driveways                                    | m <sup>2</sup> | 66        |            |        |
| <b>DIVISION 31 – EARTHWORKS</b>                                 |                |   |                |           |            |        |
| <b>31 11 01 - Clearing and Grubbing</b>                         |                |   |                |           |            |        |
| 2.08  | 1.4.1, 1.4.2   | Clearing and Grubbing - Trees, shrubs and hedge removal   | lump sum       | 1         |            |        |
| <b>31 23 01 – Excavating, Trenching and Backfilling</b>         |                |   |                |           |            |        |
| 2.09  | 1.10.3S        | Over excavation - <b>OPTIONAL</b>   | m <sup>3</sup> | 150       |            |        |
| <b>31 24 13 – Roadway Excavation, Embankment and Compaction</b> |                |   |                |           |            |        |
| 2.10  | 1.8.5S         | Common Excavation - Remove Existing Concrete Pavement, Sidewalks, Utility Strips, Driveways and Pavers - Including Sawcutting | m <sup>2</sup> | 820       |            |        |

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| 2.11  | 1.8.5S       | Common Excavation - Remove Existing Concrete Curb and Gutter - Including Sawcutting                  | lm             | 485  |  |  |
| 2.12  | 1.8.5S       | Common Excavation - Softscaped Areas - Grassed Areas   | m <sup>3</sup> | 10   |  |  |
| 2.13  | 1.8.5S       | Common Excavation - Remove Existing Asphalt Pavement, Sidewalks and Driveways - Including Sawcutting | m <sup>2</sup> | 805  |  |  |
| <b>DIVISION 32 – ROADS AND SITE IMPROVEMENTS</b>  |              |  |                |      |  |  |
| <b>32 01 16.7 - Cold Milling</b>                  |              |  |                |      |  |  |
| 2.14  | 1.5.1S       | Inlay Milling (50mm)   | m <sup>2</sup> | 2100 |  |  |
| 2.15  | 1.5.1S       | Full Depth Milling (50 - 100mm)  | m <sup>2</sup> | 710  |  |  |
| 2.16  | 1.5.1S       | Full Depth Milling (100 150mm)- <b>OPTIONAL</b>  | m <sup>2</sup> | 710  |  |  |
| <b>32 11 23 – Granular Base</b>                   |              |  |                |      |  |  |
| 2.17  | 1.4.2        | 19mm Minus Crushed Granular Base - Supplementary Roadway - <b>OPTIONAL</b>                           | t              | 865  |  |  |
| <b>32 12 13.1 – Asphalt Tack Coat</b>             |              |  |                |      |  |  |
| 2.18  | 1.5.1        | Asphalt Tack Coat  | m <sup>2</sup> | 2100 |  |  |
| <b>32 12 16 – Hot-Mix Asphalt Concrete Paving</b> |              |  |                |      |  |  |
| 2.19  | 1.5.1        | Machine Laid - Upper Course - Asphalt – Upper Course # 1 – 50mm Inlay                                | t              | 275  |  |  |
| 2.20  | 1.5.1        | Hand Laid - Lower Course #2 50mm Inlay   | t              | 90   |  |  |
| 2.21  | 1.5.1        | Hand Laid Hot Mix Asphalt - 50mm Thickness - <b>OPTIONAL</b>   | t              | 90   |  |  |
| <b>32 17 23 - Painted Pavement Markings</b>       |              |  |                |      |  |  |
| 2.25  | 1.5.2S       | Permanent Markings   | lump sum       |      |  |  |
| <b>32 91 21 – Topsoil and Finish Grading</b>      |              |  |                |      |  |  |
| 2.22  | 1.4.1S       | Boulevard Topsoil (150mm)  | m <sup>2</sup> | 475  |  |  |
| <b>32 92 20 – Seeding</b>                         |              |  |                |      |  |  |
| 2.23  | 1.8.1        | Boulevard Seeding  | m <sup>2</sup> | 475  |  |  |
| <b>DIVISION 33 – UTILITIES</b>                    |              |  |                |      |  |  |
| <b>33 30 01 - Sanitary Sewers</b>                 |              |  |                |      |  |  |
| 2.24  | 1.6.3S       | Sanitary Sewer Tie-In to Existing 100mm Service- Including Shear Band Coupler                        | ea             | 1    |  |  |
| 2.25  | 1.6.6, 1.6.7 | Sanitary Sewer Tie-In to Existing 200mm - Including Shear Band Coupler and Incased With Concrete     | ea             | 1    |  |  |
| <b>33 40 01 – Storm Sewers</b>                    |              |  |                |      |  |  |
| 2.26  | 1.6.5S       | Catch basin/ Lawn Basin Lead - 150mm SDR35   | lm             | 21   |  |  |
| 2.27  | 1.6.9        | Tie-in to Existing Storm Sewer - Including Coupler   | ea             | 8    |  |  |
| <b>33 44 01 – Manholes and Catch basins</b>       |              |  |                |      |  |  |
| 2.28  | 1.5.2        | Catch basin Top Inlet - Including Frame and Cover  | ea             | 11   |  |  |
| 2.29  | 1.5.3S       | Adjust Manhole to Finished Grade - Includes Third Party Manholes                                     | ea             | 3    |  |  |
| 2.30  | 1.5.3S       | Adjust Valves, Junction Boxes, Inspection Chambers to Finished Grade                                 | ea             | 14   |  |  |

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| 2.31   | 1.5.4                          | Remove Existing Catch basin and Dispose Offsite   | ea | 10 |  |  |
| <b>DIVISION 34 – TRANSPORTATION</b>                      |                                |   |    |    |  |  |
| <b>34 41 13 – Traffic Signals</b>                        |                                |   |    |    |  |  |
| 2.32   | 26 56 01 1.9.1/ 34 41 13 1.9.2 | Crosswalk RRFB Signal lights                      | ea | 11 |  |  |
| 2.33   | 1.9.5S                         | Remove Existing Sign and Post and Dispose offsite | ea | 2  |  |  |
| 2.34   | 1.9.4S                         | Supply and Install Sign and Post                  | ea | 2  |  |  |
| <b>Subtotal (to be carried forward to summary sheet)</b> |                                |   |    |    |  |  |

| <b>3.0 Project 3 – Sidewalk Improvements for Lockley Road and Lugin Place</b> |                |   |                |           |            |        |
|---|----------------|---|----------------|-----------|------------|--------|
| ITEM  | SSMP REF.      | DESCRIPTION   | UNIT           | EST. QTY. | UNIT PRICE | AMOUNT |
| <b>DIVISION 1 – GENERAL REQUIREMENTS</b>                                      |                |   |                |           |            |        |
| <b>01 52 01 – Temporary Structures</b>  |                |   |                |           |            |        |
| 3.02  | 1.6.2S         | Mobilization/ Demobilization  | lump sum       | 1         |            |        |
| <b>01 55 00 – Traffic Control, Vehicle Access and Parking</b>                 |                |   |                |           |            |        |
| 3.03  | 1.5.1          | Traffic Management Plan   | lump sum       | 1         |            |        |
| 3.04  | 1.5.1S         | Traffic Control   | lump sum       | 1         |            |        |
| <b>01 57 01 - Environmental Protection</b>                                    |                |   |                |           |            |        |
| 3.05  | 1.6.1          | Environmental Management Plan   | lump sum       | 1         |            |        |
| <b>DIVISION 3 – CONCRETE</b>  |                |   |                |           |            |        |
| <b>03 30 20 – Concrete Walks, Curbs and Gutters</b>                           |                |   |                |           |            |        |
| 3.06  | 1.4.2S, 1.4.4S | Hand Formed Curb and Gutter - Concrete Barrier - MMCD Type C4 - Including Granular Base                                       | lm             | 67        |            |        |
| 3.07  | 1.4.5          | Concrete Walks, Infill Strips, and Walkways - Including Ramps and Base Gravels - Broom Finish                                 | m <sup>2</sup> | 101       |            |        |
| <b>03 30 53 - Cast-In-Place Concrete</b>                                      |                |   |                |           |            |        |
| 3.08  | 1.5.4          | Concrete Staircases – Lockley and Lugin   | lump sum       | 1         |            |        |
| 3.09  | 1.4.10S        | Mortar Retaining Wall - <b>OPTIONAL</b>   | m <sup>2</sup> | 32        |            |        |
| <b>DIVISION 31 – EARTHWORKS</b>   |                |   |                |           |            |        |
| <b>31 23 01 – Excavating, Trenching and Backfilling</b>                       |                |   |                |           |            |        |
| 3.10  | 1.10.3S        | Over excavation - <b>OPTIONAL</b>   | m <sup>3</sup> | 50        |            |        |
| <b>31 24 13 – Roadway Excavation, Embankment and Compaction</b>               |                |   |                |           |            |        |
| 3.11  | 1.8.5S         | Common Excavation - Remove Existing Concrete Pavement, Sidewalks, Utility Strips, Driveways and Pavers - Including Sawcutting | m <sup>2</sup> | 89        |            |        |
| 3.12  | 1.8.5S         | Common Excavation - Remove Existing Concrete Curb and Gutter - Including Sawcutting   | lm             | 67        |            |        |
| 3.13  | 1.8.5S         | Common Excavation - Softscaped Areas - Grassed Areas  | m <sup>3</sup> | 101       |            |        |

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| <b>3.14</b>  | 1.8.5S | Common Excavation - Remove Existing Asphalt Pavement, Sidewalks and Driveways - Including Sawcutting          | m <sup>2</sup> | 60  |  |  |
| <b>3.15</b>  | 1.8.5S | Common Excavation - Staircases  | lump sum       | 1   |  |  |
| <b>DIVISION 32 – ROADS AND SITE IMPROVEMENTS</b>         |        |   |                |     |  |  |
| <b>32 11 23 – Granular Base</b>                          |        |   |                |     |  |  |
| <b>3.16</b>  | 1.4.2  | 19mm Minus Crushed Granular Base - Supplementary Roadway - <b>OPTIONAL</b>                                    | t              | 15  |  |  |
| <b>32 12 13.1 – Asphalt Tack Coat</b>                    |        |   |                |     |  |  |
| <b>3.17</b>  | 1.5.1  | Asphalt Tack Coat   | m <sup>2</sup> | 60  |  |  |
| <b>32 12 16 – Hot-Mix Asphalt Concrete Paving</b>        |        |   |                |     |  |  |
| <b>3.18</b>  | 1.5.1  | Hand Laid Hot Mix Asphalt - 65 Thickness  | t              | 15  |  |  |
| <b>32 31 13 - Chain Link Fences and Gates</b>            |        |   |                |     |  |  |
| <b>3.19</b>  | 1.5.4  | MMD C14 Handrails - <b>OPTIONAL</b>   | lm             | 21  |  |  |
| <b>32 91 21 – Topsoil and Finish Grading</b>             |        |   |                |     |  |  |
| <b>3.20</b>  | 1.4.1S | Boulevard Topsoil (150mm)   | m <sup>2</sup> | 85  |  |  |
| <b>32 92 20 – Seeding</b>                                |        |   |                |     |  |  |
| <b>3.21</b>  | 1.8.1  | Boulevard Seeding   | m <sup>2</sup> | 85  |  |  |
| <b>DIVISION 33 – UTILITIES`</b>                          |        |   |                |     |  |  |
| <b>33 30 01 - Sanitary Sewers</b>                        |        |   |                |     |  |  |
| <b>3.22</b>  | 1.4.3  | Installation of inspection chambers, adjustment of service lines, and adjustment of valves to finished grade. | ea             | 1   |  |  |
| <b>33 40 01 – Storm Sewers</b>                           |        |   |                |     |  |  |
| <b>3.23</b>  | 1.6.5S | Catch basin Lead - 200mm SDR35  | lm             | 16  |  |  |
| <b>3.24</b>  | 1.6.2  | 200mm Drainage Pipe - SDR 35 PVC - Including Pipe Bedding   | lm             | 3.4 |  |  |
| <b>3.25</b>  | 1.6.9  | Tie-in to Existing Storm Sewer Manhole  | ea             | 1   |  |  |
| <b>3.26</b>  | 1.4.3  | Installation of inspection chambers, adjustment of service lines, and adjustment of valves to finished grade  | ea             | 1   |  |  |
| <b>33 44 01 – Manholes and Catch basins</b>              |        |   |                |     |  |  |
| <b>3.27</b>  | 1.5.2  | Catch basin – Top Inlet - Including Frame and Cover   | ea             | 2   |  |  |
| <b>3.28</b>  | 1.5.4  | Remove Existing Catch basin and Dispose Offsite   | ea             | 2   |  |  |
| <b>DIVISION 34 – TRANSPORTATION</b>                      |        |   |                |     |  |  |
| <b>34 41 13 – Traffic Signals</b>                        |        |   |                |     |  |  |
| <b>3.29</b>  | 1.9.4S | Relocate Existing Sign and Post   | ea             | 1   |  |  |
| <b>Subtotal (to be carried forward to summary sheet)</b> |        |   |                |     |  |  |

**APPENDIX 2**  
**PRELIMINARY CONSTRUCTION SCHEDULE**  
(SEE PARAGRAPH 5.3.2 OF THE INSTRUCTIONS TO TENDERERS – PART II)

- Indication schedule with bar chart with major item descriptions and time.
- Target Notice of Award: 14 days after Tender Close

**MILESTONE DATES:**

- Substantial Performance: October 28, 2022

| ACTIVITY | CONSTRUCTION SCHEDULE (MONTHS) |   |   |   |   |   |   |   |   |    |
|----------|--------------------------------|---|---|---|---|---|---|---|---|----|
|          | 1                              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|          |                                |   |   |   |   |   |   |   |   |    |
|          |                                |   |   |   |   |   |   |   |   |    |
|          |                                |   |   |   |   |   |   |   |   |    |
|          |                                |   |   |   |   |   |   |   |   |    |
|          |                                |   |   |   |   |   |   |   |   |    |
|          |                                |   |   |   |   |   |   |   |   |    |
|          |                                |   |   |   |   |   |   |   |   |    |
|          |                                |   |   |   |   |   |   |   |   |    |
|          |                                |   |   |   |   |   |   |   |   |    |
|          |                                |   |   |   |   |   |   |   |   |    |
|          |                                |   |   |   |   |   |   |   |   |    |
|          |                                |   |   |   |   |   |   |   |   |    |
|          |                                |   |   |   |   |   |   |   |   |    |
|          |                                |   |   |   |   |   |   |   |   |    |
|          |                                |   |   |   |   |   |   |   |   |    |
|          |                                |   |   |   |   |   |   |   |   |    |
|          |                                |   |   |   |   |   |   |   |   |    |
|          |                                |   |   |   |   |   |   |   |   |    |
|          |                                |   |   |   |   |   |   |   |   |    |
|          |                                |   |   |   |   |   |   |   |   |    |
|          |                                |   |   |   |   |   |   |   |   |    |



**APPENDIX 3**  
**EXPERIENCE OF SUPERINTENDENT**

(SEE PARAGRAPH 5.3.3 OF THE INSTRUCTIONS TO TENDERERS – PART II)

**Name:** \_\_\_\_\_

**Experience:** \_\_\_\_\_

**Dates:** \_\_\_\_\_

Project Name: \_\_\_\_\_

Responsibility: \_\_\_\_\_

References: \_\_\_\_\_

**Dates:** \_\_\_\_\_

Project Name: \_\_\_\_\_

Responsibility: \_\_\_\_\_

References: \_\_\_\_\_

**Dates:** \_\_\_\_\_

Project Name: \_\_\_\_\_

Responsibility: \_\_\_\_\_

References: \_\_\_\_\_

**Dates:** \_\_\_\_\_

Project Name: \_\_\_\_\_

Responsibility: \_\_\_\_\_

References: \_\_\_\_\_

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**APPENDIX 4**  
**COMPARABLE WORK EXPERIENCE**  
(SEE PARAGRAPH 5.3.4 OF THE INSTRUCTIONS TO TENDERERS – PART II)

| PROJECT | OWNER / CONTACT NAME | PHONE NUMBER | WORK DESCRIPTION | VALUE (\$) |
|---------|----------------------|--------------|------------------|------------|
|         |                      |              |                  |            |
|         |                      |              |                  |            |
|         |                      |              |                  |            |
|         |                      |              |                  |            |
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**APPENDIX 5**  
**SUBCONTRACTORS**

(SEE PARAGRAPH 5.3.5 OF THE INSTRUCTIONS TO TENDERERS – PART II)

| TENDER ITEM | TRADE | SUBCONTRACTOR NAME | PHONE NUMBER |
|-------------|-------|--------------------|--------------|
|             |       |                    |              |
|             |       |                    |              |
|             |       |                    |              |
|             |       |                    |              |
|             |       |                    |              |
|             |       |                    |              |
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|             |       |                    |              |
|             |       |                    |              |
|             |       |                    |              |

( FOR USE WHEN UNIT PRICES FORM THE BASIS OF PAYMENT TO BE USED ONLY WITH THE GENERAL CONDITIONS AND OTHER STANDARD DOCUMENTS OF THE UNIT PRICE MASTER MUNICIPAL CONSTRUCTION DOCUMENTS.)

BETWEEN *OWNER* AND *CONTRACTOR*

This agreement made in duplicate this

\_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

*Contract:* **CONSTANCE AVENUE SIDEWALK AND LYALL SURFACE IMPROVEMENTS**  
( TITLE OF CONTRACT )

Reference No.: **ENG 22-01**  
(OWNER'S CONTRACT REFERENCE NO. )

BETWEEN:

The Corporation of the Township of Esquimalt

\_\_\_\_\_  
( NAME OF OWNER )

(the "*Owner*")

AND:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
( NAME AND OFFICE ADDRESS OF CONTRACTOR )

(the "*Contractor*")

The *Owner* and the *Contractor* agree as follows:

**Article 1 The Work Start / Completion Dates**

- 1.1 The *Contractor* will perform all *Work* and provide all labour, equipment and material and do all things strictly as required by the Contract Documents.
- 1.2 The *Contractor* will commence the *Work* in accordance with the Notice to Proceed. The *Contractor* will proceed with the *Work* diligently, will perform the *Work* generally in accordance with the construction schedules as required by the Contract Documents and will achieve Substantial Performance of the *Work* on or before October 28, 2022 subject to (INSERT DATE OF SUBSTANTIAL PERFORMANCE)  
the provisions of the Contract Documents for adjustments to the Contract Time.
- 1.3 Time shall be of the essence of the *Contract*.

**Article 2** **Contract Documents**

- 2.1 The "Contract Documents" consist of the documents listed or referred to in Schedule 1, entitled "Schedule of Contract Documents", which is attached and forms a part of this Agreement, and includes any and all additional and amending documents issued in accordance with the provisions of the Contract Documents. All of the Contract Documents shall constitute the entire *Contract* between the *Owner* and the *Contractor*.
- 2.2 The *Contract* supersedes all prior negotiations, representations or agreements, whether written or oral, and the *Contract* may be amended only in strict accordance with the provisions of the Contract Documents.

**Article 3** **Contract Price**

- 3.1 The price for the *Work* ("Contract Price") shall be the sum in Canadian dollars of the following:
- a) the product of the actual quantities of the items of *Work* listed in the Schedule of Quantities and Prices which are incorporated into or made necessary by the *Work* and the unit prices listed in the Schedule of Quantities and Prices; plus
  - b) all lump sums, if any, as listed in the Schedule of Quantities and Prices, for items relating to or incorporated into the *Work*; plus
  - c) any adjustments, including any payments owing on account of *Changes* and agreed to Extra Work, approved in accordance with the provisions of the Contract Documents.
- 3.2 The Contract Price shall be the entire compensation owing to the *Contractor* for the *Work* and this compensation shall cover and include all profit and all costs of supervision, labour, material, equipment, overhead, financing, and all other costs and expenses whatsoever incurred in performing the *Work*.

**Article 4** **Payment**

- 4.1 Subject to applicable legislation and the provisions of the Contract Documents, the *Owner* shall make payments to the *Contractor*.
- 4.2 If the *Owner* fails to make payments to the *Contractor* as they become due in accordance with the terms of the Contract Documents then interest calculated at 2% per annum over the prime commercial lending rate of the Royal Bank of Canada on such unpaid amounts shall also become due and payable until payment. Such interest shall be calculated and added to any unpaid amounts monthly.

**Article 5** **Rights and Remedies**

- 5.1 The duties and obligations imposed by the Contract Documents and the rights and remedies available thereunder shall be in addition to and not a limitation of any duties, obligations, rights and remedies otherwise imposed or available by law.
- 5.2 Except as specifically set out in the Contract Documents, no action or failure to act by the *Owner*, Contract Administrator or *Contractor* shall constitute a waiver of any of the parties' rights or duties afforded under the *Contract*, nor shall any

such action or failure to act constitute an approval of or acquiescence in any breach under the *Contract*.

**Article 6 Notices**

6.1 Communications among the *Owner*, the *Contract Administrator* and the *Contractor*, including all written notices required by the *Contract Documents*, may be delivered by hand, or by fax, or by pre-paid registered mail to the addresses as set out below:

The *Owner*:

Corporation of The Township of Esquimalt

1229 Esquimalt Road

Esquimalt, BC V9A 3P1

Email: [Joel.clary@esquimalt.ca](mailto:Joel.clary@esquimalt.ca)

Attention: Joel Clary

The *Contractor*:

Fax:

Attention:

The *Contract Administrator*:

ISL Engineering and Land Services Ltd.

1620 Cook Street

Victoria, BC V8T 3P1

Fax: [bormiston@islengineering.com](mailto:bormiston@islengineering.com)

Attention: Brad Ormiston, ASCT

6.2 A communication or notice that is addressed as above shall be considered to have been received

- a) immediately upon delivery, if delivered by hand; or
- b) immediately upon transmission if sent by fax and received in hard copy; or
- c) after 5 Days from date of posting if sent by registered mail.

6.3 The *Owner* or the *Contractor* may, at any time, change its address for notice by giving written notice to the other at the address then applicable. Similarly if the *Contract Administrator* changes its address for notice then the *Owner* will give or cause to be given written notice to the *Contractor*.

6.4 The sender of a notice by fax assumes all risk that the fax is received in hard copy.

**Article 7 General**

7.1 This *Contract* shall be construed according to the laws of British Columbia.

7.2 The *Contractor* shall not, without the express written consent of the *Owner*, assign this *Contract*, or any portion of this *Contract*.

7.3 The headings included in the *Contract Documents* are for convenience only and do not form part of this *Contract* and will not be used to interpret, define or limit the scope or intent of this *Contract* or any of the provisions of the *Contract Documents*.

7.4 A word in the *Contract Documents* in the singular includes the plural and, in each case, vice versa.

7.5 This agreement shall ensure to the benefit of and be binding upon the parties and their successors, executors, administrators and assigns.

IN WITNESS WHEREOF the parties hereto have executed this Agreement the day and year first written above.

*Contractor:*

\_\_\_\_\_  
(FULL LEGAL NAME OF CORPORATION, PARTNERSHIP OR INDIVIDUAL)

\_\_\_\_\_  
(AUTHORIZED SIGNATORY)

\_\_\_\_\_  
(AUTHORIZED SIGNATORY)

*Owner:*

\_\_\_\_\_  
THE CORPORATION OF THE TOWNSHIP OF ESQUIMALT  
(FULL LEGAL NAME OF CORPORATION, PARTNERSHIP OR INDIVIDUAL)

\_\_\_\_\_  
(AUTHORIZED SIGNATORY)

\_\_\_\_\_  
(AUTHORIZED SIGNATORY)

(INCLUDE IN LIST ALL DOCUMENTS INCLUDING, IF ANY, SUPPLEMENTARY GENERAL CONDITIONS, SUPPLEMENTARY SPECIFICATIONS, SUPPLEMENTARY STANDARD DETAIL DRAWINGS.)

**SCHEDULE 1 – SCHEDULE OF CONTRACT DOCUMENTS**

The following is an exact and complete list of the Contract Documents, as referred to in Article 2.1 of the Agreement.

**NOTE:** The documents noted with “\*” are contained in the “Master Municipal Construction Documents - General Conditions, Specifications and Standard Detail Drawings”, edition dated 2019. All sections of this publication are included in the Contract Documents.

1. Agreement, including all Schedules;
2. Supplementary General Conditions;
3. General Conditions\*;
4. Supplementary Standard Detail Drawings;
5. Supplementary Specifications;
6. Specifications\*;
7. Standard Detail Drawings\*;
8. Executed Form of Tender, including all Appendices;
9. Contract Drawings listed in Schedule 2 to the Agreement – “List of Contract Drawings”;
10. Instructions To Tenderers - Part I;
11. Instructions to Tenderers - Part II\*;
12. The following Addenda:

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( ADDENDA, IF ANY )



(COMPLETE LISTING OF ALL DRAWINGS, PLANS AND SKETCHES WHICH ARE TO FORM A PART OF THE CONTRACT,  
OTHER THAN STANDARD DETAIL DRAWINGS AND SUPPLEMENTARY STANDARD DETAIL DRAWINGS.)

**SCHEDULE 2 – LIST OF CONTRACT DRAWINGS**

| <b>1.0 PROJECT 1 – CONSTANCE AVENUE SIDEWALK SURFACE IMPROVEMENTS</b>          |              |                             |
|--|--------------|-----------------------------|
| <b>SECTION</b>   | <b>SHEET</b> | <b>DRAWING TITLE</b>        |
| COVER AND DRAWING INDEX  | 000          | COVER                       |
| GENERAL NOTES & LEGEND   | 001          | NOTES                       |
| CIVIL  | 002          | PLAN                        |
| SEWER, DRAIN AND PATHWAY PLAN AND PROFILE                                      | 003          | PLAN AND PROFILE            |
| <b>2.0 PROJECT 2 – LYALL STREET SURFACE IMPROVEMENTS</b>                       |              |                             |
| <b>SECTION</b>   | <b>SHEET</b> | <b>DRAWING TITLE</b>        |
| COVER AND DRAWING INDEX  | 000          | COVER                       |
| GENERAL NOTES  | 001          | NOTES AND DETAILS           |
| CIVIL  | 002          | REHAB STRATEGIES            |
| CIVIL  | 003          | REHAB STRATEGIES            |
| CIVIL  | 004          | UPGRADE PLAN VIEW           |
| CIVIL  | 005          | UPGRADE PLAN VIEW           |
| CIVIL  | 006          | UPGRADE PLAN VIEW           |
| CIVIL - PROFILE  | 007          | UPGRADE PROFILE VIEW        |
| CIVIL - PROFILE  | 008          | UPGRADE PROFILE VIEW 2      |
| CIVIL - DEATAILS   | 009          | DETAILS                     |
| <b>3.0 PROJECT 3 – SIDEWALK IMPROVEMENTS FOR LOCKLEY ROAD AND LUGRIN PLACE</b> |              |                             |
| <b>SECTION</b>   | <b>SHEET</b> | <b>DRAWING TITLE</b>        |
| COVER AND DRAWING INDEX  | 000          | COVER                       |
| GENERAL NOTES  | 001          | NOTES AND DETAILS           |
| CIVIL  | 002          | SITE PLAN                   |
| CIVIL  | 003          | GRADING & STAIR DETAIL PLAN |



**TOE – SUPPLEMENTARY GENERAL CONDITIONS**

– Revise the following MMCD Master Municipal General Conditions

|                                     |                               |                                  |  |
|-------------------------------------|-------------------------------|----------------------------------|--|
| <p><b>GC 2.0<br/>Documents</b></p>  | <p><b>2.2.4</b></p>           | <p>Document<br/>Hierarchy</p>    | <p><b>Replace Section (1) with the following:</b><br/>“The Contract Documents shall govern and take precedence in the following order with the Agreement taking precedence over all other Contract Documents:</p> <ul style="list-style-type: none"> <li>a) Agreement</li> <li>b) Addenda</li> <li>c) Supplementary General Conditions</li> <li>d) General Conditions</li> <li>e) Supplemental Detail Drawings</li> <li>f) Supplementary Specifications</li> <li>g) Specifications</li> <li>h) Drawings listed in Schedule 2 to the Agreement</li> <li>i) Standard Detail Drawings</li> <li>j) Executed Form of Tender</li> <li>k) Instructions to Tenderers</li> <li>l) All other Contract Documents.”</li> </ul>   |
| <p><b>GC 4.0<br/>Contractor</b></p> | <p><b>New<br/>4.6.1.1</b></p> | <p>Construction<br/>Schedule</p> | <p>“The Contractor shall schedule and coordinate construction activities:</p> <ul style="list-style-type: none"> <li>• Noise Bylaw: Follow <a href="#">Maintenance of Property, Unsightly Properties and Nuisance Bylaw</a>.</li> <li>• Capital Project Coordination: Contractor shall coordinate with other Township led initiatives.</li> <li>• Development Activity Coordination: Construction activity from other development projects on the corridor that may commence/be active during the construction period.</li> </ul> <p>Special Events: Accommodate occasional special events by providing public access and/or minimizing excessive noise, safety concerns caused by construction. This may include securing and cleaning work area (if required).</p> |

CONSTANCE AVENUE SIDEWALK,  
 LOCKLEY ROAD PEDESTRIAN IMPROVEMENTS,  
 & LYALL STREET SURFACE IMPROVEMENTS  
 SUPPLEMENTAL GENERAL CONDITIONS

UNIT  
 PRICE  
 CONTRACT

|  |                |                             |   |
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| GC 4.0<br>Contractor                   | New<br>4.6.1.2 | Construction<br>Schedule    | “The contractor shall provide bi-weekly schedule updates that include the following:<br>A summary of current and completed activities of the previous 2 week period, and upcoming work or activities in each block or intersection for the following 2 week period. These schedules will be used to improve coordination and provide updates to stakeholders and the general public.”                 |
|  | 4.6            | Construction<br>Schedule    | <b>Amend 4.6.2 by deleting:</b> “monthly” and substituting “monthly or within such shorter time as specified in the <i>Contract Documents</i> ”.  |
| GC 18.0<br>Payment                     | 18.5           | Payment                     | <b>Delete GC 18.5.1 and replace with:</b> “the <i>Owner</i> shall make payment within thirty calendar (30) days of receipt of payment certificate from the <i>Contract Administrator</i> . The actual amount paid is subject to the <i>Owner’s</i> rights under law or this <i>Contract</i> to make deductions.”  |
| GC 27.0<br>Archaeological<br>Artifacts | New<br>27.1.1  | Archaeological<br>Artifacts | “Any Archaeological Artifacts discovered by the <i>Contractor</i> shall, as between the <i>Owner</i> and the <i>Contractor</i> , be deemed to be the absolute property of the <i>Owner</i> ”.   |
|  | New<br>27.1.2  |                             | “The <i>Contractor</i> shall immediately advise the <i>Contract Administrator</i> of the discovery by the <i>Contractor</i> of any Archaeological Artifacts and take all reasonable precautions to protect and preserve same”.  |
|  | New<br>27.1.3  |                             | “The Contractor will be required to undergo a brief (1 hour) Archaeological Awareness Training session with the Township of Esquimalt prior to excavation activities. The contractor shall follow chance find management procedures outlined by the archaeologist in the Archaeological Awareness Training session and provide the archaeologist access as a guest to the site for review as needed.” |
| GC 28.0<br>Wages                       | New<br>28.1    | Wages                       | “Where applicable, the <i>Contractor</i> and all subcontractors shall provide wages that are at least equal to those paid by The Township when work of a similar or same nature is performed. See <a href="#">Schedule A</a> from the most current collective agreement.”   |

**TOWNSHIP OF ESQUIMALT - SUPPLEMENTARY SPECIFICATIONS**

Revise the following MMCD Specifications 2019 Edition

| SECTION                          | SUB SECTION | TITLE            | SUPPLEMENTARY SPECIFICATION   |
|----------------------------------|-------------|------------------|---|
| 01 52 01<br>Temporary Structures | 1.1         | Section Includes | Add clause 1.1.4: "Mobilization/Demobilization."  |
|                                  | 1.6         | Payment          | <p><b>Add clause 1.6.2:</b> "Payment for mobilization and demobilization shall include all the Contractor costs of mobilization at the beginning of the project and the cost of demobilization at the end of the project.</p> <ol style="list-style-type: none"> <li>1. Included in the mobilization are such items as bonding, insurance, permits, moving personnel, equipment and materials to the site, setting up temporary facilities and all preparation for performing the Work.</li> <li>2. Included in demobilization are preparation and submission of record drawings, operation and maintenance manuals, removal of all personnel, equipment and materials and cleanup of the Site and the Work.</li> <li>3. The lump sum price bid for this work shall be relative to the costs involved but shall not exceed ten percent of the Tender Price.</li> <li>4. Payment shall be made as follows, as approved by the Contract Administrator:               <ol style="list-style-type: none"> <li>1. 60% of the lump sum bid will be included in the first progress payment certificate.</li> <li>2. 40% of the lump sum bid will be included in the final progress payment certificate.</li> </ol> </li> <li>5. The Contract Administrator may at their discretion authorize partial payment if mobilization or demobilization is not complete.</li> <li>6. The cost of other items specified under General</li> </ol> |

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|   |            |                        | Requirements shall be considered incidental to the work and separate payment will not be made for any other items in the General Requirements unless specifically noted in the Schedule of Quantities and Prices.”   |
|   | <b>1.8</b> | <b>Hoarding</b>        | <b>Add Clause 1.8:</b> “Provide hoarding as required to protect public and private property from injury or damage. Provide lockable gates within hoarding for access to site by workers and vehicles.  |
| <b>01 55 00<br/>Traffic Control,<br/>Vehicle Access<br/>and Parking</b> | <b>1.4</b> | <b>Traffic Control</b> | <p><b>Add Clause 1.4.15:</b> “Traffic Management Plan:</p> <ul style="list-style-type: none"> <li>• A traffic, cyclist and pedestrian traffic management plan is required for all segments of the project. Pedestrian includes people with disabilities.</li> <li>• Lane closures on arterial and collector roads will be allowed only between the hours of 9:00 am to 3:00 pm.</li> <li>• Lane closure notices will be distributed by the contractor in advance to the Township’s distribution list.”</li> <li>• Traffic control plans are to be submitted to Township of Esquimalt one week in advance of work for review. Submissions must be done electronically to the Township of Esquimalt</li> <li>• Provisions for pedestrians and cyclists are to be maintained at all times. Pedestrian access to remain open at all times, except where permitted by Township of Esquimalt as part of Traffic Management Plan. Contractor shall provide wheelchair accessible access at all times with applicable traffic control devices and appropriate hard packed non-slip surface.</li> <li>• Contractor to ensure open excavation is secured and plated with applicable warning signage in place. Plates shall be secured and have a non-slip coating.</li> <li>• Provision of access to all businesses and residences throughout the project are to be maintained at all times.</li> <li>• Accommodation of transit services required throughout the duration of the construction works. Transit stops may be relocated as coordinated with BC Transit and the Township of Esquimalt. Requests for temporary relocation of</li> </ul> |

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|     |                 |   | <p>transit stops must be made directly to BC Transit with 48 hrs notice at 250-419-5900 or <a href="mailto:BCTcontrolroom@bctransit.com">BCTcontrolroom@bctransit.com</a>, along with an email notification to the Township of Esquimalt.</p> <ul style="list-style-type: none"> <li>• Work is permitted between the hours listed in the Township of Esquimalt’s Maintenance of Property,</li> <li>• Unsightly Properties and Nuisance Bylaw unless otherwise approved by the Director of Engineering and Public Works.</li> <li>• Category 1 Traffic Management Plan to MOTI: Traffic Management Manual for Work on Roadways (2015) standard to be submitted to The Township for acceptance prior to work commencing. Traffic control must comply with the WorkSafe BC’s requirements.” TMP shall include site specific Traffic Control Plans (TCP) for intersections containing civil works. General TCPs shall be submitted for all other locations/set-ups.”</li> </ul> |
| 1.4 | Traffic Control | <p><b>Add Clause 1.4.16:</b> “No debris shall be allowed to remain on the roadways, sidewalks, etc. All debris shall be cleaned up and removed from site on a daily basis.”</p>   |   |
| 1.4 | Traffic Control | <p><b>Add Clause 1.4.17:</b> “Temporary steel road plates must be secured with cold-mix asphalt, bolts, and/or shims, to prevent plate movement or excessive noise generated during off-hours. The contractor must have staff available on-call for 24 hours per day to repair road plates should movement occur.”</p>  |   |
| 1.5 | Payment         | <p><b>Revise Clause 1.5.1 to:</b> “Payment for all work performed under this section will be incidental to payment for work described in other sections unless shown otherwise in the Schedule of Quantities and Prices. This shall include all traffic control/regulation works such as: coordination with other contractors working in the area and their detour routes, preparing full traffic management documents and plans, and detour plans for approval by the Owner’s Traffic Department and coordination with the Owner and Changeable Message Sign (CMS) placement; signage, supplemental access signage, flag persons and all related works.”</p> |   |

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|                                      | 1.5 | Payment                                 | <p><b>Add Clause 1.5.2:</b> “The Work is to be scheduled to limit the number of businesses/residents and length of time that businesses/residents are impacted by the Work. The limiting of access, noise and dust is to be mitigated by not opening up large segments and by sequencing Works so that pavement milling and paving operations follows immediately after preparatory Works. Multiple mobilizations shall be considered in the pricing of the bid items in the Schedule of Quantities and Prices.</p> |
| 01 57 01<br>Environmental Protection | 1.2 | Temporary Erosion and Sediment Controls | <p><b>Add Clause 1.2.1.4:</b> “All catch basin, silt trap and lawn basin inlet castings that may receive runoff from the Work area to be covered with filter cloth. Ensure no silt or sediment enters the storm drainage system while removing the silt cloth once construction is complete.”</p>   |
|                                      | 1.4 | Environmental Protection                | <p><b>Add Clause 1.4.4 Disposal of Waste:</b></p> <p>“Do not bury rubbish and waste materials on site.</p> <p>Do not dispose of waste or volatile materials, such as mineral spirits, oil or paint thinner into waterways, storm or sanitary sewers.</p> <p>Dispose of waste materials off property, in accordance with applicable provincial and/or federal regulations.</p> <p>Removal and disposal of Asbestos Cement pipe shall comply with current WorkSafeBC requirements.”</p>                               |
|                                      | 1.4 | Environmental Protection                | <p><b>Add Clause 1.4.5 Concrete and Asphalt Cutting and Placing:</b></p> <p>Control and pick up all wet or dry residue from saw cutting, coring, grinding and milling operations by means of a vacuum device or street sweeper. Under no</p>  |



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|   |     |                                 | <p>circumstances is any dust, debris or run-off to migrate into waterways, storm or sanitary sewers.</p> <p>Minimize the volume of wastewater produced by cutting tools by recycling and reusing wastewater whenever possible.</p> <p>Do not allow cement washout into streets, driveways, gutters, storm drains, ditches or water courses.</p> <p>Set up and operate portable mixers on tarps or heavy drop cloths to contain spillage.</p> <p>When breaking up and milling pavement, remove broken pavement and sweep area clean.</p> |
|   | 1.4 | <b>Environmental Protection</b> | <p><b>Add Section 1.4.6 Dust Control:</b> The Contractor shall employ construction methods that prevent and minimize nuisance caused by dust. The Contractor shall provide dust control by applying water to the Site, including roadways and other areas adjacent to the Site as required. The Contractor shall always maintain adequate dust control, including weekends and statutory holidays. Minimum requirements for dust control are at the sole discretion of the Contract Administrator.</p>                                  |
| <b>03 30 20<br/>Concrete<br/>Walks, Curbs<br/>and Gutters</b> | 1.4 | <b>Measurement and Payment</b>  | <p><b>Revise Clause 1.4.2 to:</b> "Payment for granular base and granular subbase under curb and gutter to 300mm beyond front and back of curb as shown on Standard Detail Drawings to be included in payment of concrete curb and gutter per linear meter."</p>  |
| <b>03 30 53<br/>Cast-In-Place<br/>Concrete</b>                | 1.5 | <b>Measurement and Payment</b>  | <p><b>Revise Clause 1.5.1 to:</b> remove "will be based on volume calculated from actual measurements of dimensions" and replace with "will be based on square meters of constructed wall measured from finished grade to top of wall"</p>  |
|   |     |                                 | <p><b>Add Clause 1.5.6:</b> "Payment for Mortared Rock Wall shall include, but not be limited to; supply and installation of the mortared rock retaining wall including the subgrade preparation, drain and grouted cap, drain rock, concrete leveling cap, geogrid fabric, and all other work and materials incidental and necessary to complete the Work to provide a functional system all as shown on the Contract Drawings. Measurement shall be based on the square meter area of wall face constructed. Payment shall be</p>     |

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|  |                    |                                       | <p>based on the Unit Price per square meter bid in the Schedule of Quantities and Prices. Wall height is measured from finished grade to top of wall. Payment shall be accepted as full compensation for everything furnished and done.”</p>  |
| <p><b>31 23 01<br/>Excavating,<br/>Trenching and<br/>Backfilling</b></p>                 | <p><b>1.7</b></p>  | <p><b>Disposal</b></p>                | <p><b>Revise Clause 1.7.1 to:</b> “Dispose all surplus or geotechnically unsuitable excavated material, waste, pipe, and all material designated or specified by the Contract Administrator, offsite. Offsite disposal shall be considered incidental to the Work, and no separate payment will be made unless specifically included in the Schedule of Quantities and Prices.</p> <p>The Contractor shall notify the Contract Administrator of the disposal site and shall ensure that the disposal site will be acceptable to all agencies having an environmental interest including but not limited to the Ministry of Environment.</p> <p>The Contractor shall be responsible for preparing and obtaining all required approvals and shall provide Letters of Agreement from all parties accepting materials removed from the site.”</p> |
|  | <p><b>1.10</b></p> | <p><b>Measurement and Payment</b></p> | <p><b>Add to Clause 1.10.3:</b> "Where over excavation is authorized the imported backfill material shall be pit run gravel to Section 31 05 17."</p>   |
|  | <p><b>1.11</b></p> | <p><b>Inspection and Testing</b></p>  | <p><b>Add Clause 1.11.2:</b> “Trench compaction testing frequency as follows:</p> <ul style="list-style-type: none"> <li>i. Mainline: one per 50 lineal metres of trench on the pipe bedding or cushion and one per 50 lineal metres of trench backfill at each lift. Test locations to be staggered.</li> <li>ii. Service connections: one per road crossing on the pipe bedding or cushion and one for the trench backfill.”</li> </ul>   |
| <p><b>31 24 13<br/>Roadway<br/>Excavation,<br/>Embankment<br/>and<br/>Compaction</b></p> | <p><b>1.8</b></p>  | <p><b>Measurement and Payment</b></p> | <p><b>Replace Clause 1.8.5 with:</b> “Payment for common excavation includes: saw cutting of asphalt and concrete surfaces; removal of existing pavements, concrete road base, curbs, curbs and gutters, sidewalks, utilities strips, driveways, pipes and conduits which are removed as part of the operation for common excavation.</p> <p>Measurement for common excavation:</p>   |

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|  |  |  | <ol style="list-style-type: none"> <li>1. In-place volume will be calculated for payment from cross-sections at sufficient and equal intervals taken by Contract Administrator in areas of excavation.</li> <li>2. Initial cross-sections will be taken after clearing and grubbing and stripping of topsoil, and immediately prior to excavation.</li> <li>3. Final cross-sections will be taken upon completion of excavation to lines and levels required prior to placing of other materials over the excavated surface.</li> <li>4. Payment for on-site re-use includes compaction of the re-used materials.</li> <li>5. Removal of existing asphalt and concrete pavement, sidewalks and driveways will be per m<sup>2</sup> of material removed. Removal extents to be agreed with Contract Administrator prior to commencing work.</li> <li>6. Payment for removal of existing pavements, concrete road base, curbs, curbs and gutters, sidewalks, driveways which are removed for the installation of electrical, water, sanitary, and storm utilities as shown on Contract Drawings will be made by area. Removals that are wider than the MMCD G4 width allowance will not be paid.</li> <li>7. Excavation of softscape areas will be per cubic meter and measured by neat line, calculated by multiplying the excavation area by the required excavation depth.</li> <li>8. Removal of existing irrigation appurtenances will include excavation, cutting and capping, and salvaging.</li> <li>9. Removal of existing concrete curb and gutter will be per linear meter of curb removed. Removal extents to be agreed with Contract Administrator prior to commencing work.</li> </ol> |
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|  |                   |                                       | <p>10. Removal work for ramp will be limited from between existing curb to limit of pathway construction as shown on Contract Drawings. This includes removal of existing concrete steps and disposal offsite, sawcutting and removal of existing pathway. This excludes removal of rock.</p> <p>(a) Removal of existing staircases on Lockley/Lugrin will include removal of concrete steps and removal of existing handrails.”</p>  |
| <p><b>32 01 16.7<br/>                 Cold Milling</b></p> | <p><b>1.5</b></p> | <p><b>Measurement and Payment</b></p> | <p><b>Add the following to Clause 1.5.1</b> “Measurement for cold milling will be in square metres for each type of milling defined as herein. Payment will be made at the respective unit prices bid and will include mobilization, demobilization, street sweeping, off-site disposal, clean up around existing utility manholes and valve covers, milling of pavement and underlying granular materials to desired depth as shown on the Contract Drawings and all other incidental work.</p> <p><b>Inlay Milling</b></p> <p>Variable depth milling up to 50mm used to create exposure at the curb line, to create tie-ins, and to generally improve the shape and drainage profile of the road cross-section. Following inlay milling, an inspection of the milled surface will be conducted by the Contract Administrator, and additional inlay milling may be required.</p> <p>If additional base asphalt milling is required, all cost associated with additional milling shall be included in the inlay milling item with no additional payment for remobilization of the milling machine.</p> <p><b>Full Depth Milling (50-100mm)</b></p> <p>Full depth removal of the entire asphaltic concrete pavement and any underlying granular materials which may vary in thickness up to 100mm.</p> <p><b>Full Depth Milling (100-150mm)</b></p> <p>Full depth removal following inlay milling of the entire asphaltic concrete pavement and any underlying</p> |

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|  |            |                                | granular materials which may vary in thickness up to 150mm.”  |
| <b>32 11 23<br/>Granular Base</b>              | <b>1.4</b> | <b>Measurement and Payment</b> | <b>Add clause 1.4.5:</b> “Pavement restoration will be made per m <sup>2</sup> of pavement restored. Payment will include: saw cutting; excavation to subgrade; disposal of unsuitable material; grade preparation; supply and placement of granular material; concrete road base; asphalt pavement restoration; and any other material, labour or equipment required to restore the pavement as specified in the Contract Documents.”  |
| <b>32 17 23<br/>Painted Pavement Markings</b>  | <b>1.5</b> | <b>Measurement and Payment</b> | <b>Replace Clause 1.5.2 with:</b> “Payment for permanent painted pavement markings covers supplying all materials and completing all the permanent pavement markings as located in the field or shown on the Contract Drawings. The Contractor is responsible for field survey prior to construction for existing markings, field layout after paving and re-instating/ installing the pavement markings. All temporary markings are to be removed immediately following installation of permanent markings.”         |
| <b>32 91 21<br/>Topsoil and Finish Grading</b> | <b>1.4</b> | <b>Measurement and Payment</b> | <b>Replace Clause 1.4.1 with:</b> “Payment for growing medium, imported topsoil and structural soils will be made separately for each type specified, and includes, supply, on-site handling, placement to thickness specified, application of fertilizers and finish grading. Materials shall meet the specifications detailed on the Contract Drawings. Payment for boulevard topsoil will be by area at the specified thickness. No payment will be made for topsoil that is required for incidental restoration.” |
| <b>33 30 01<br/>Sanitary Sewers</b>            | <b>1.6</b> | <b>Measurement and Payment</b> | <b>Revise to Clause 1.6.3 to include:</b> “include tee, wye <u>or coupler</u> to the main line and all related fittings and components specified and/or shown on drawing TOE.SD.S7a.”   |
|  | <b>1.6</b> | <b>Measurement and Payment</b> | <b>Add Clause 1.6.8:</b> “Payment for sewer service cleanout includes cleanout and connection to service and all related fittings and components specified and/or shown on Drawings TOE.SD.S7a. Payment includes application service pipes, material and work described in 1.6.2 of this Section.”  |

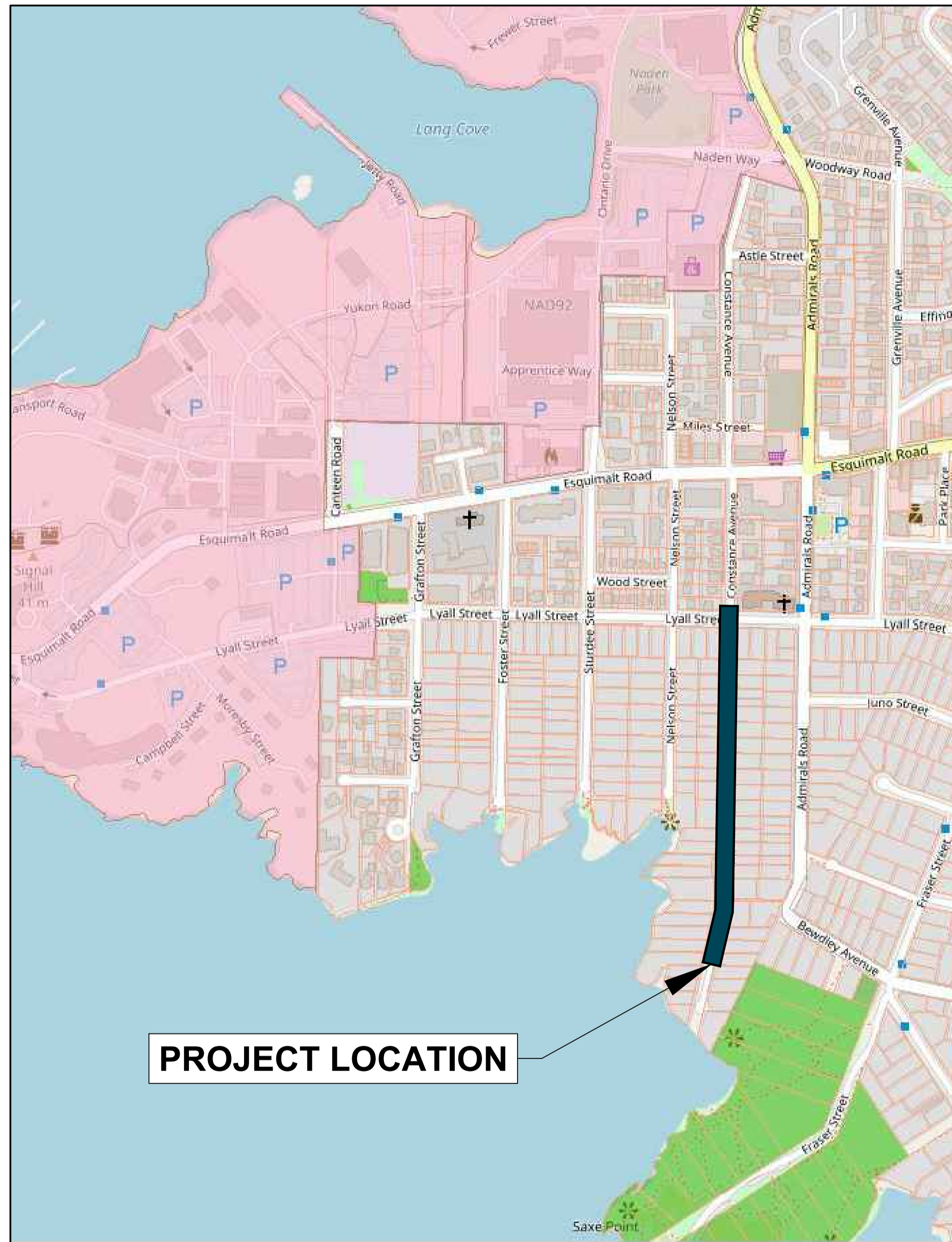
|                                       |     |                         |   |
|---------------------------------------|-----|-------------------------|---|
| 33 40 01<br>Storm Sewers              | 1.6 | Measurement and Payment | <p><b>Revise Clause 1.6.3 to include:</b> “include tee, wye <u>or coupler</u> to the main line and all related fittings and components specified and/or shown on drawing TOE.SD.S7a.”</p>   |
|                                       |     |                         | <p><b>Revise Clause 1.6.5 to:</b> “Payment for catch basin and lawn drain leads includes all applicable materials and work described in section 1.6.2 of this section, but also includes permanent pavement restoration.</p> <p>Measurement for catch basin leads and lawn drain leads will be made horizontally from centerline of mainline pipe to centerline of catch basin or lawn drain chamber, for each pipe size installed with no regard to depth range.”</p>  |
| 33 44 01<br>Manholes and Catch basins | 1.5 | Measurement and Payment | <p><b>In Clause 1.5.1.1 Delete:</b> "except riser". <b>Replace with:</b> "including riser".</p>   |
|                                       | 1.5 | Measurement and Payment | <p><b>Replace Clause 1.5.3 with:</b> “Payment for adjustment of tops of existing manholes, catchbasins, lawn drains, cleanouts, inspection chambers and brooks boxes will be made at the respective unit prices tendered in the Schedule of Quantities and Prices. Measurement will be in units adjusted as defined herein.</p> <ol style="list-style-type: none"> <li>1. Adjustments to existing manholes will be defined as resetting of the entire cast frame and cover to finished grade. Adjustments will include jackhammering, reinstatement of the existing frame and cover, removal, or addition of rings completely to the manhole donut, cement mortar, concrete encasement, temporary asphalt ramping, and any other incidental work. All manholes must be vertically adjusted a minimum of 24 hours prior to paving. The Contract Administrator shall determine what manholes shall require adjustment.</li> <li>2. Catch Basin adjustments will be defined as resetting of the entire cast frame and grate to finished grade. Adjustments will include jackhammering, reinstatement of the existing frame and grate, removal, or addition of concrete riser rings, cement mortar, concrete encasement, temporary asphalt ramping, and any other incidental work. All catch</li> </ol> |

|                                     |            |                                |  |
|-------------------------------------|------------|--------------------------------|--|
|                                     |            |                                | basins must be vertically adjusted a minimum of 24 hours prior to paving. The Contract Administrator shall determine what catch basins shall require adjustment. Curb and gutter will be paid for separately.”                                     |
| <b>34 41 13<br/>Traffic Signals</b> | <b>1.9</b> | <b>Measurement and Payment</b> | <b>Add Clause 1.9.4:</b> “Payment for supply, relocation, and installation of traffic signs, sign posts, bases, and sleeves will be made per each as shown on the Contract Drawings.”  |
|                                     | <b>1.9</b> | <b>Measurement and Payment</b> | <b>Add Clause 1.9.5:</b> “Payment for removal of existing signs includes removal of the sign and post and delivery of the sign to The Township’s Public Works Yard. Payment will be made per each sign removed as shown on the Contract Drawings.” |



# TOWNSHIP OF ESQUIMALT

## CONSTANCE AVENUE SIDEWALK STREET SURFACE IMPROVEMENTS ISSUE FOR TENDER CONTRACT ENG-22-01



**PROJECT LOCATION**

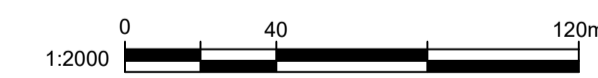
LOCATION PLAN (NTS)



**SITE LOCATION**



SITE PLAN (1:2000 SCALE)



| DRAWING INDEX |  |
|---------------|--|
| SHEET         | TITLE                                    |
| 00            | COVER                                    |
| 01            | NOTES                                    |
| 02            | PLAN                                     |
| 03            | SEWER, DRAIN, & PATHWAY PLAN AND PROFILE |



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**32967**

**REV. 0**

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**GENERAL NOTES:**

- 1.0 ALL CONSTRUCTION AND MATERIALS TO BE IN ACCORDANCE WITH MASTERMUNICIPAL CONTRACT DOCUMENTS (MMCD) PLATINUM EDITION STANDARD SPECIFICATIONS AND DRAWINGS, EXCEPT AS OTHERWISE NOTED IN THESE DRAWINGS OR THE CONTRACT DOCUMENTS.
- 2.0 CONTRACTOR TO OBTAIN ALL APPLICABLE PERMITS TO UNDERTAKE THE REQUIRED WORKS FROM ALL APPLICABLE AUTHORITIES.
- 3.0 THE CONTRACTOR SHALL NOTIFY IN WRITTEN FORMAT ALL AFFECTED RESIDENCE AND BUSINESSES A MINIMUM 4 DAYS PRIOR TO COMMENCING THE CONSTRUCTION.
- 4.0 TEMPORARY SIGNS WITH CONSTRUCTION DATES AND TIMES ARE TO BE SUPPLIED AND ERECTED IN LOCATIONS PRE-APPROVED BY THE TOWNSHIP OF ESQUIMALT 1 WEEK PRIOR TO CONSTRUCTION. SIGNS TO BE REMOVED FROM THE RIGHT-OF-WAY UPON COMPLETION OF THE CONSTRUCTION.
- 5.0 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL MILLED AND EXCAVATED MATERIALS TO AN APPROVED DUMP SITE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
- 6.0 CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A SINGLE ALTERNATING TRAFFIC FLOW BETWEEN 7:00AM TO 5:00 PM.
- 7.0 ALL EQUIPMENT TO BE LEFT ON SITE SHALL BE TEMPORARILY PARKED OFF TRAVELED PORTION OF THE ROAD AS AS DIRECTED BY THE TOWNSHIP.
- 8.0 ELEVATIONS ARE GEODETIC
- 9.0 ALL MEASUREMENTS DIMENSIONS ARE IN METRIC
- 10.0 WHERE RECONSTRUCTION OR TYING TO EXISTING CONCRETE CURB OR SIDEWALK, REMOVE AND REPLACE EXISTING CURB OR SIDEWALK TO THE NEAREST EXPANSION JOINT.
- 11.0 THE CONTRACTOR SHALL KEEP THE SITE NEAT AND TIDY AT ALL TIMES TO PROTECT PUBLIC SAFETY.
- 12.0 THE CONTRACTOR SHALL ORGANIZE THEIR WORKS TO MINIMIZE INCONVENIENCE TO THE PUBLIC AND INDIVIDUAL PROPERTY OWNERS.
- 13.0 CONTRACTOR TO MAINTAIN SMOOTH TRAFFIC FLOW AT ALL TIMES DURING CONSTRUCTION.
- 14.0 CONTRACTOR TO INSTALL A DESIGNATED SAFE PEDESTRIAN CORRIDOR IN THE EVENT THAT SIDEWALK IS UN-USEABLE TO THE PUBLIC.
- 15.0 ALL WORK SHALL BE CONSIDERED NEW UNLESS OTHERWISE NOTED.
- 16.0 THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS, NOTES AND CONDITIONS ON SITE BEFORE ANY CONSTRUCTION WORK SHALL BE STARTED. ALL DISCREPANCIES SHALL BE REPORTED TO THE ENGINEERING DEPARTMENT OF ESQUIMALT. NO WORK OR ORDERING OF MATERIAL MAY BE STARTED UNTIL ALL DIMENSIONED ITEMS HAVE BEEN RESOLVED. NO EXTRA CHARGE OF COMPENSATION WILL BE ALLOWED ON ACCOUNT OF ANY DIFFERENCE BETWEEN ACTUAL DIMENSIONS AND MEASUREMENTS WHICH MAY BE FOUND AS INDICATED ON THE DRAWINGS UNLESS DIRECTED BY THE TOWNSHIP REPRESENTATIVE. THE CONTRACTOR SHALL ASSUME FULL AND UNDIVIDED RESPONSIBILITY FOR THE ACCURACY, FIT, AND STABILITY OF ALL PARTS OF THE WORK.
- 17.0 NO PLANS SHALL BE SCALED; DIMENSIONS SHALL BE USED UNLESS DIRECTED BY THE TOWNSHIP REPRESENTATIVE.
- 18.0 ALL LABOR, MATERIALS AND INSTALLATION MUST COMPLY WITH THE CODES, RULES AND REGULATIONS OF ALL AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCY WHICH EXIST BETWEEN REQUIREMENTS BY THE PLANS, SPECIFICATIONS, SAID CODES, RULES AND REGULATIONS, SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF ESQUIMALT ENGINEERING DEPARTMENT IN WRITING FOR RESOLUTION. IF ANY CHANGE IN PLANS AND /OR SPECIFICATIONS OCCURS AS A RESULT, AN ADJUSTMENT TO THE PROJECT COST IS NEEDED TO REFLECT THE CHANGE THAT COMMENSURATE AND SHALL BE AGREED BY THE CONTRACTOR AND ESQUIMALT.
- 19.0 THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTION OF EXISTING WORK AND NEWLY ADDED WORK.
- 20.0 THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, DISTORTION AND MISALIGNMENT ACCORDING TO APPLICABLE CODES AND STANDARDS.
- 21.0 THE CONTRACTOR SHALL REPAIR AND RESTORE TO ITS ORIGINAL CONDITION ALL WORK AND ITEMS DAMAGED AS A RESULT OF THE BUILDING OPERATIONS AND SHALL LEAVE THE WORK COMPLETED TO THE TRUE INTENT OF THE DRAWINGS AND SPECIFICATIONS AND TO THE SATISFACTION OF THE TOWNSHIP REPRESENTATIVE.
- 22.0 ANY DISTURBANCE OR DAMAGE TO THE EXISTING BUILDINGS OR UTILITIES RESULTING EITHER DIRECTLY OR INDIRECTLY FROM THE OPERATION OF THIS CONTRACT SHALL BE PROMPTLY REPAIRED, RESTORED OR REPLACED AT CONSTRUCTOR'S COST TO THE SATISFACTION OF THE TOWNSHIP.
- 23.0 ALL TRANSITIONS OF NEW WORK TO EXISTING WORK SHALL BE CAREFULLY EXECUTED, EXISTING CONSTRUCTION SHALL BE REPAIRED AS NEEDED AND PATCHED TO MATCH FINISHES OF ADJACENT SURFACES.
- 24.0 CONTRACTOR TO VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO DOING ANY EXCAVATION WORKS.
- 25.0 CONTRACTOR TO USE CERTIFIED TRAFFIC CONTROL PERSONNEL ALWAYS WHEN WORKING IN ANY VEHICULAR TRAVELED AREAS. LOADING AND UNLOADING OF EQUIPMENT AND MATERIAL WITHIN THE SITE ROAD CORRIDOR SHALL BE ASSISTED BY CERTIFIED TRAFFIC CONTROL PERSONNEL. A TRAFFIC MANAGEMENT PLAN SHALL BE SUBMITTED PRIOR TO ANY SITE ACTIVITY TO THE TOWNSHIP. ANY CHANGE IN TRAFFIC MANAGEMENT PLAN BY THE CONTRACTOR SHALL BE DISCUSS 4 DAYS BEFORE IMPLEMENTATION.
- 26.0 WHEN CROSSING GAS LINES, EXTRA CAUTION SHALL BE OBSERVE IF DIGGING WITHIN 0.5m OF ITS HORIZONTAL AND VERTICAL POSITION PROVIDED BY FORTIS BC. MANUAL HAND EXCAVATION IS RECOMMENDED. ANY BREAKAGE AND DAMAGES DURING CONSTRUCTION SHALL BE REPORTED TO FORTIS BC IMMEDIATELY. IN THE EVENT OF GAS LEAK, EVACUATE THE WORK SITE, SEAL AND CORDON OFF THE AREA AND CALL 911.
- 27.0 CONTRACTOR TO NOTIFY BC TRANSIT 1 WEEK PRIOR TO ROAD CONSTRUCTION. ANY IMPACTED BUS PICKUP/DROP-OFF TO BE MARKED IN THE PLAN AND SUBMITTED FOR BUS RE-ROUTING AND TEMPORARY BUS STOP RELOCATION.
- 28.0 SIDEWALK CLOSURES SHALL BE DONE TO THE NEAREST PEDESTRIAN CROSSWALK. SIDEWALK SIGNS SHOULD BE MARK AND LIGHTED AT NIGHT TIME FOR VISIBILITY.

**EROSION AND SEDIMENT CONTROL NOTES:**

- 1.0 PHASE CLEARING AND GRADING TO THE MAXIMUM EXTENT PRACTICAL TO PREVENT EXPOSED INACTIVE AREAS FROM BECOMING A SOURCE OF EROSION.
- 2.0 INSTALL SILT FENCE AT THE DOWNSTREAM AREA PRIOR TO ANY WORK TO THE SATISFACTION OF THE TOWNSHIP'S REPRESENTATIVE. SILT FENCE TO BE REMOVE ONLY AFTER COMPLETION OF THE PROJECT OR ALL DISTURBED GROUND COVER HAVE GROWN / RECOVERED.
- 3.0 CONTRACTOR TO PROVIDE A MAINTENANCE LOG REPORT TO THE TOWNSHIP AFTER A MAJOR RAINFALL EVENT OR 4 DAY OF MINOR RAINFALL EVENTS. CONTRACTOR IS EXPECTED TO CLEAN OR REPLACE ANY SEDIMENT CONTROL MEASURES DAMAGED DURING AN EVENT DESCRIBED ABOVE.
- 4.0 ANY STRIPPED AREAS NOT SUBJECT FOR CONSTRUCTION SHALL BE COVERED BY POLYPROPYLENE SINGLE NET STRAW EROSION BLANKET.
- 5.0 ALL EXCAVATED MATERIAL PILED ONSITE SHALL STABILIZED AND BE COVERED BY POLYETHYLENE PLASTIC SHEETS AND SURROUNDED BY A SILT FENCE AT TOE IF THE PILE AT THE END OF THE DAY ESPECIALLY ON WET WEATHER.
- 6.0 CONSTRUCTION ACTIVITIES MUST AVOID OR MINIMIZE EXCAVATION AND CREATION OF BARE GROUNDS DURING WET WEATHER.
- 7.0 USE WATER, SOIL-BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND-BLOWN SOIL.
- 8.0 INTENTIONAL WASHING OF SEDIMENT INTO STORM SEWERS OR DRAINAGE WAYS MUST NOT OCCUR AT ANY TIME.
- 9.0 ALL AFFECTED EXISTING CATCH BASIN DOWNSTREAM SHALL BE PROTECTED AT ALL TIMES DURING CONSTRUCTION OPERATION BY FILTREXX SILT/SOX OR EQUAL.

**CONCRETE WORKS:**

- 1.0 TOP OF CONCRETE TO MATCH RIM OF EXISTING UTILITY COVERS OR HOUSING NOTIFY TOWNSHIP'S ENGINEERING DEPARTMENT FOR OBVIOUS CHANGE IN GRADE OR CROSS SLOPES.
- 2.0 TIE POINT FOR NEW TO EXISTING CONCRETE SIDEWALK SHALL BE SAW-CUT.
- 3.0 COLD JOINT TO BE 1.8m SPACING (SEE TOE-SD-C7.1).
- 4.0 CONTRACTOR TO USE A VIBRATORY SCREED OR EQUAL FOR CONCRETE SIDEWALK, DRIVEWAYS, CROSSINGS, RAMPS, CURB AND GUTTERS. VIBRATORS SHALL NOT BE APPLIED MORE THAN 3 SECONDS IN THE SAME LOCATION.
- 5.0 CONCRETE DELIVERY ON SITE SHALL BE COMPLETELY Poured NO LATER THAN 90 MINUTES FROM THE MOMENT WATER WAS INTRODUCED TO MIX THE AGGREGATES AND THE CEMENT IN THE BATCHING PLANT FOR STANDARD MIX UNLESS A SPECIAL ADDITIVES WAS INTRODUCED AS A REQUIREMENTS, CONTRACTOR TO SHOW TO THE INSPECTOR THE TIME THE TRUCK WAS DISPATCH IN THE PLANT.
- 6.0 NO CONCRETE WORKS SHALL BE ALLOWED IF THE SITE CONDITION'S TEMPERATURE IS BELOW 5°C OR ABOVE 32°C. CONCRETE WORKS CONSTRUCTED AT WARMTH TEMPERATURE SHALL BE DAILY SPRAYED WITH WATER 5 TIMES BETWEEN 10 AM -3PM WHILE CONCRETE WORKS COMPLETED AT 5°C AND EXPECTED TO DROP TO FREEZING LEVEL REQUIRES A THERMO BLANKETS/TARP FOR AT LEAST 5 DAYS.
- 7.0 CONCRETE WORKS DURING WET DAYS WILL BE ALLOWED IF SIDEWALK OR DRIVEWAY BASE LINE AND GRADE AND FORM WORKS HAS BEEN INSPECTED AND APPROVED BY THE TOWNSHIP'S REPRESENTATIVE. CONTRACTOR TO PROVIDE A PLASTIC COVER TARP ADEQUATE TO COVER THE CONCRETE AREA AFTER CONCRETE WORKS. LEAVE PLASTIC COVER FOR AT LEAST 24HOURS.
- 8.0 NEW CONCRETE WORKS AT SIDEWALK OR WALKWAY AREAS SHALL BE CLOSED FOR 3 DAYS WHILE CURB AND GUTTER, DRIVEWAYS AND CROSSINGS SHALL BE OPEN ONLY AFTER 2 WEEKS MINIMUM OF CLOSURES.

**SEWER/DRAIN WORKS:**

- 1.0 ALL MATERIALS TO MMCD STANDARDS AND SPECIFICATIONS
- 2.0 ALL TRENCHES BELOW 1.2m SHALL BE SHORED PROTECTED
- 3.0 ALL IMPORTED BACKFILL MATERIALS FROM BEDDING TO ROAD BASE SHALL BE MMCD STANDARD CRUSH GRAVEL, TYPE 1 STANDARD GRADATION FOR PIPE ZONE WHILE 19mm MINUS CRUSHED GRAVEL FOR GRANULAR BASE.
- 4.0 COMPACTION AT ROAD AREA TO BE 98% MPD WHILE 95 % MPD AT BOULEVARD AND SIDEWALK AREAS.
- 5.0 ALL PVC PIPES TO BE USED SHALL BE SDR 35 DRAIN PVC AND SDR 26 SEWER PVC.
- 6.0 ALL TIE IN TO EXISTING DRAIN MANHOLE SHALL BE TO THE EXISTING PUNCH HOLE OF THE PIPE BEING REPLACED. RESEAL ALL OPENINGS BY CONCRETE PLASTER. ALLOW CONCRETE TO DRY BEFORE ANY BACKFILL IS APPLIED.
- 7.0 ALL ACTIVE SERVICE CONNECTIONS AFFECTED SHALL BE RECONNECTED TO NEW SEWER/DRAIN LINE INSTALLED. ALL UNKNOWN DRAIN SERVICE NOT MARKED IN THE DRAWING PLAN ISSUED SHALL BE FLAGGED AND REPORTED TO THE TOWNSHIP'S ENGINEERING DEPARTMENT TO EITHER BE RE-CONNECTED OR BE ABANDONED.
- 8.0 REPORT ALL AS-BUILT DATA TO THE ENGINEERING AFTER THE CONCLUSION OF THE PROJECT.

**ROAD WORKS:**

- 1.0 DEPTH OF FULL PAVEMENT MILL IS 100mm AND TOP PAVEMENT MILL IS 50mm MINIMUM OR AS DIRECTED BY THE TOWNSHIP.
- 2.0 DURING CONSTRUCTION THE CONTRACTOR SHALL PROVIDE A TEMPORARY ACCESS TO COMMERCIAL BUSINESS YARD. INSTALL A RAMP ON NEWLY CONSTRUCTED SIDEWALK, CURB AND GUTTER ENOUGH DAYS FOR CONCRETE CURING MIN OF 3

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PLOT DATE: June 3, 2022

| REV NO | REVISIONS        | DATE   | DRAWN | APPR'D |
|--------|------------------|--------|-------|--------|
| 0      | ISSUE FOR TENDER | 220601 | KF    | IM     |
|        |                  |        |       |        |
|        |                  |        |       |        |



# CONSTANCE AVE. SIDEWALK IMPROVEMENTS

## NOTES



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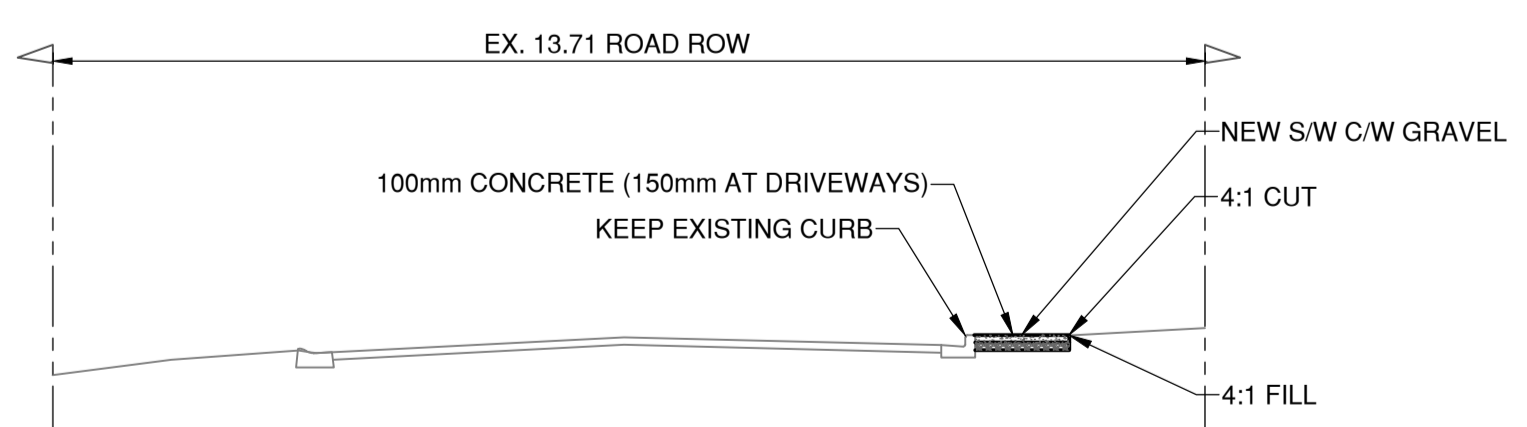
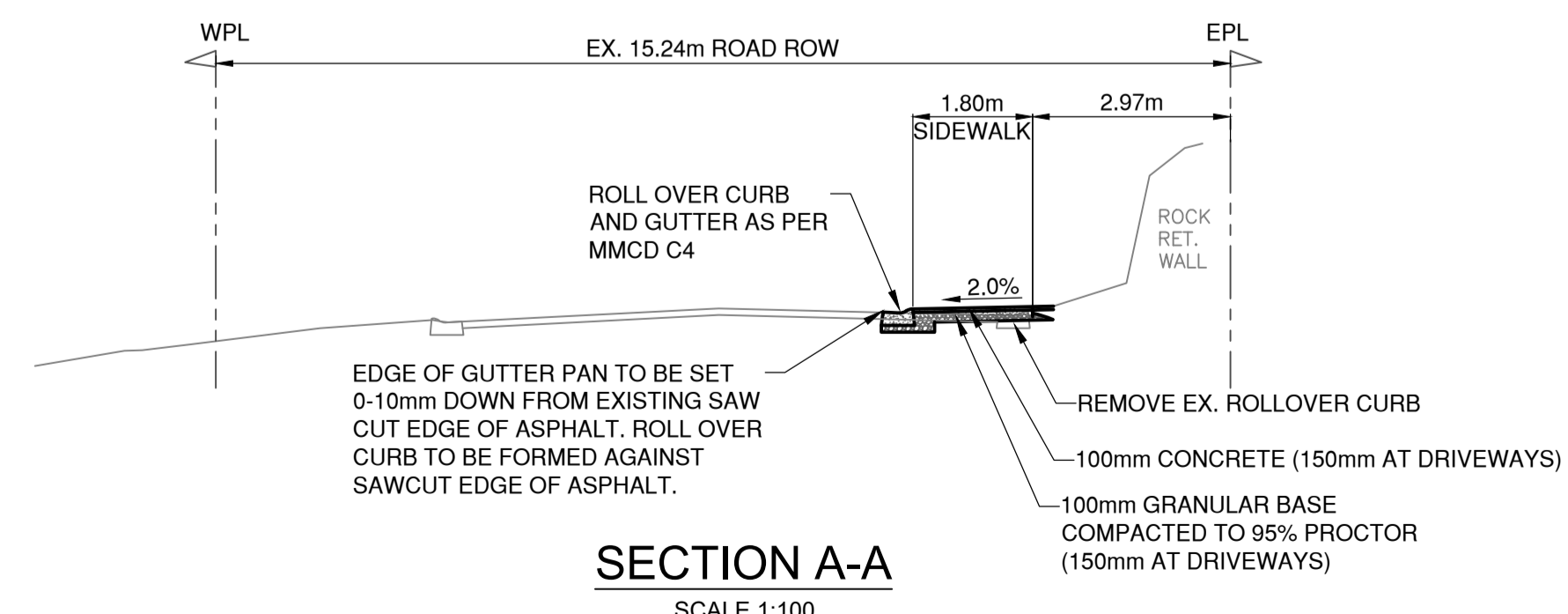
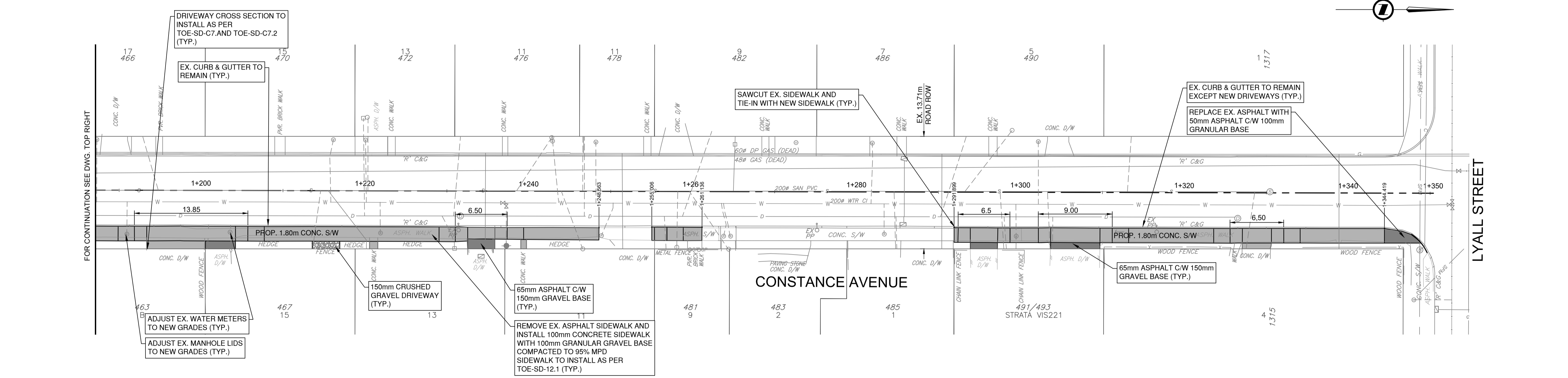
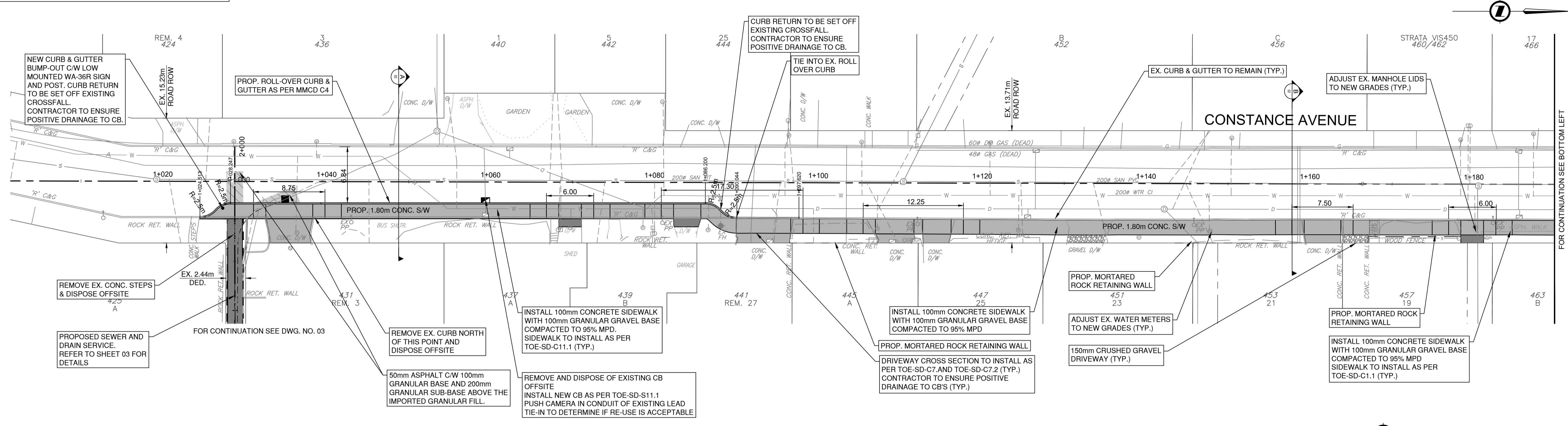
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| SCALE      | AS SHOWN | CREATION DATE | 220601 | DWG. NO. | 01 |
| DRAWN BY   | KF       | DESIGN BY     | BJO    | OF       | 03 |
| CHECKED BY | BJO      | APPROVED BY   | IM     | REV.     | 0  |

# 32967



**DISCLAIMER:**  
 LOCATION OF UTILITIES SHOWN ARE APPROXIMATE ONLY AND SHOULD BE CONFIRMED BY FIELD SURVEY AND BY USE OF A PIPE LOCATOR AND MANUAL DIGGING WHERE REQUIRED. EXISTING SERVICE LOCATIONS ARE SHOWN TO INDICATE THE EXISTENCE OF THE SPECIFIED SERVICE ONLY AND ARE NOT NECESSARILY COMPLETE OR SHOWN IN THE CORRECT LOCATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE, VERIFY THE INVERT ELEVATIONS BY HAND EXCAVATION BEFORE CONSTRUCTION OF THE UTILITY CROSSING AND SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION FROM DAMAGE AT CONTRACTOR'S COST



**LEGEND:**  
 [Grey Box] 100mm NEW CONCRETE SIDEWALK W/ 100mm GRAVEL BASE  
 [Dark Grey Box] 65mm ASPHALT C/W 150mm GRAVEL BASE

**SECTION A-A**  
 SCALE 1:100

**SECTION B-B**  
 SCALE 1:100



PLT DATE: June 3, 2022

| REV NO | REVISIONS        | DATE   | DRAWN | APPR'D |
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**ROAD WORKS**

**CONSTANCE AVENUE**  
 PLAN



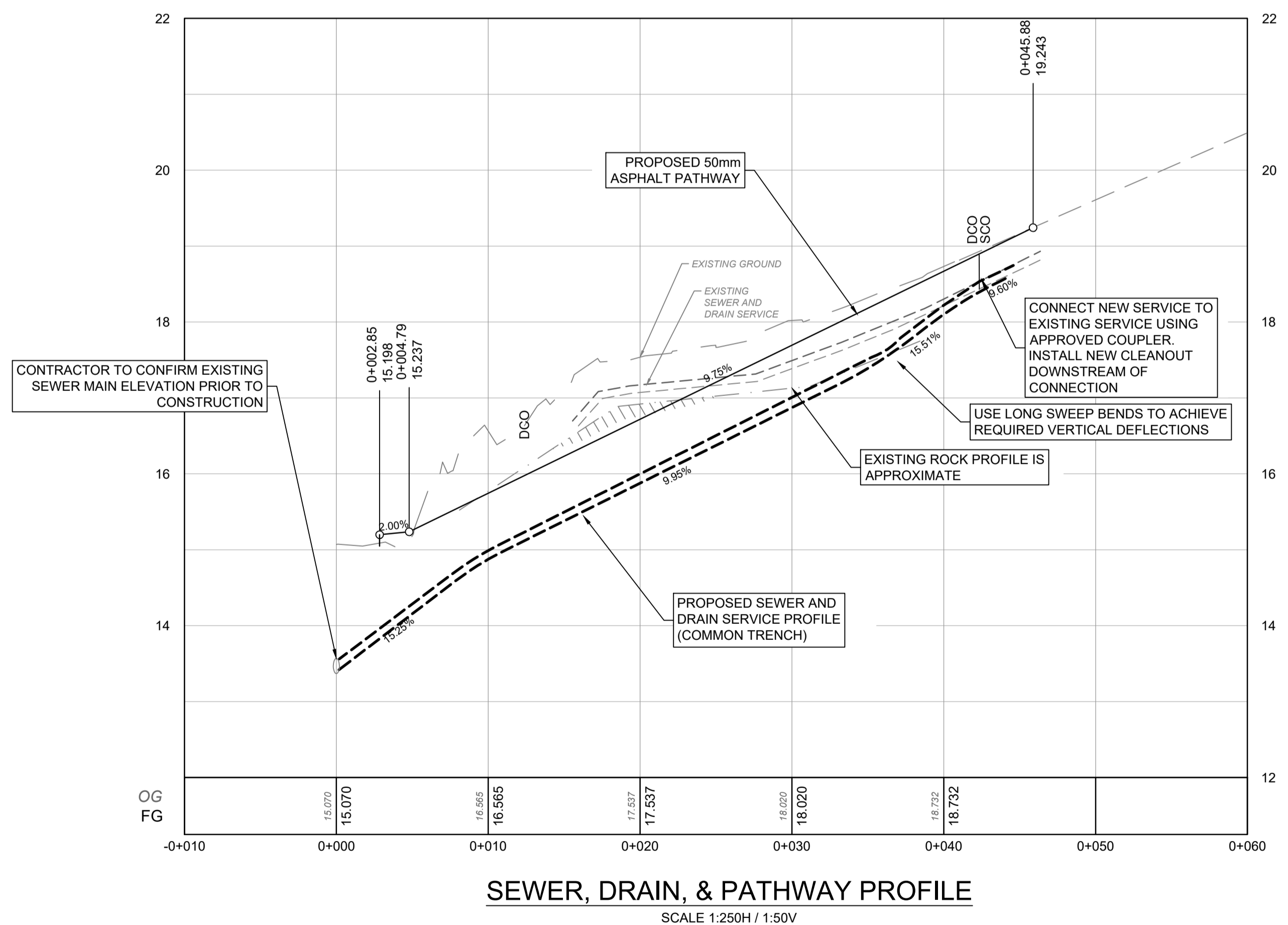
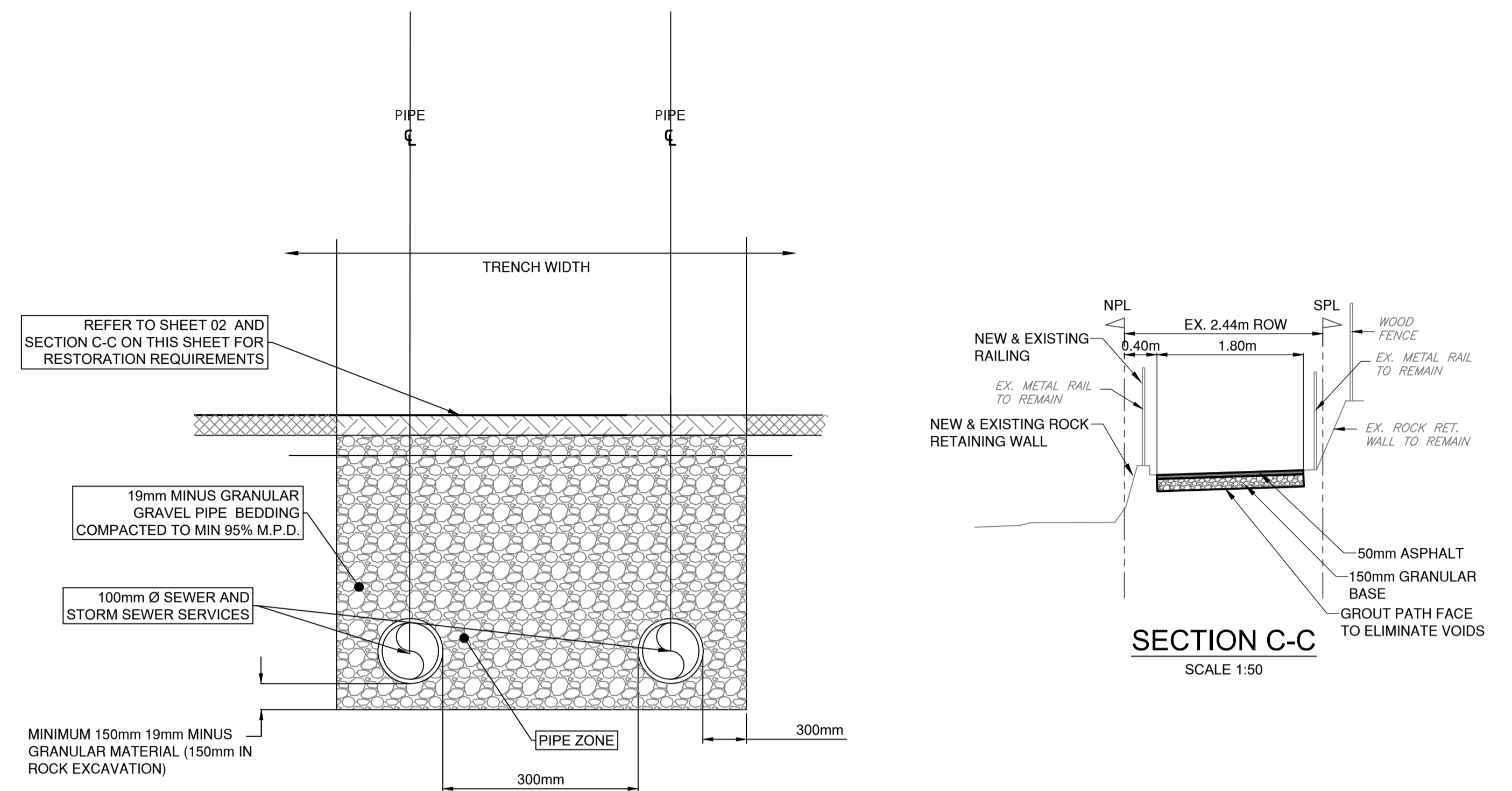
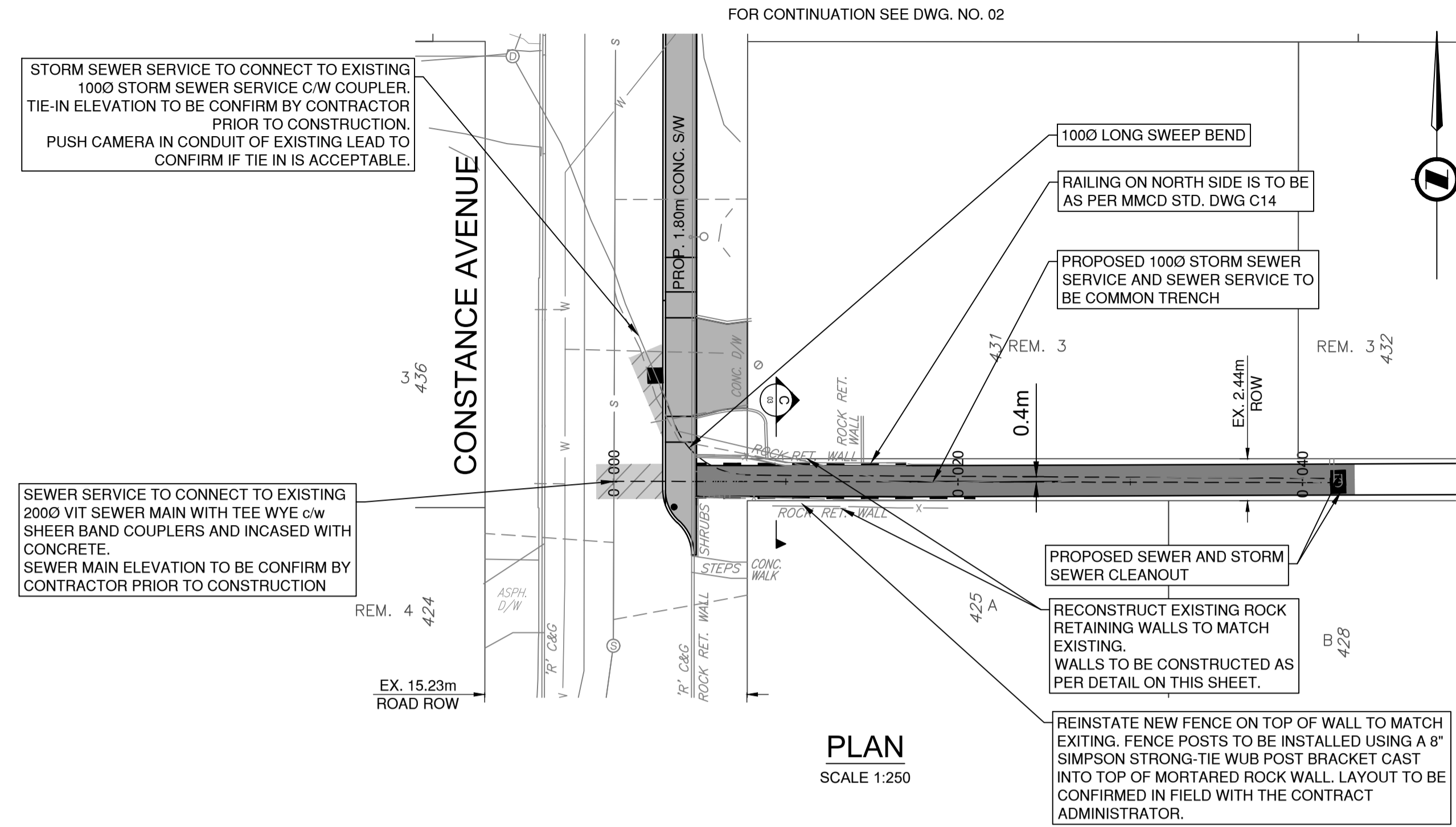
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| CHECKED BY | BJO   | APPROVED BY   | IM     |

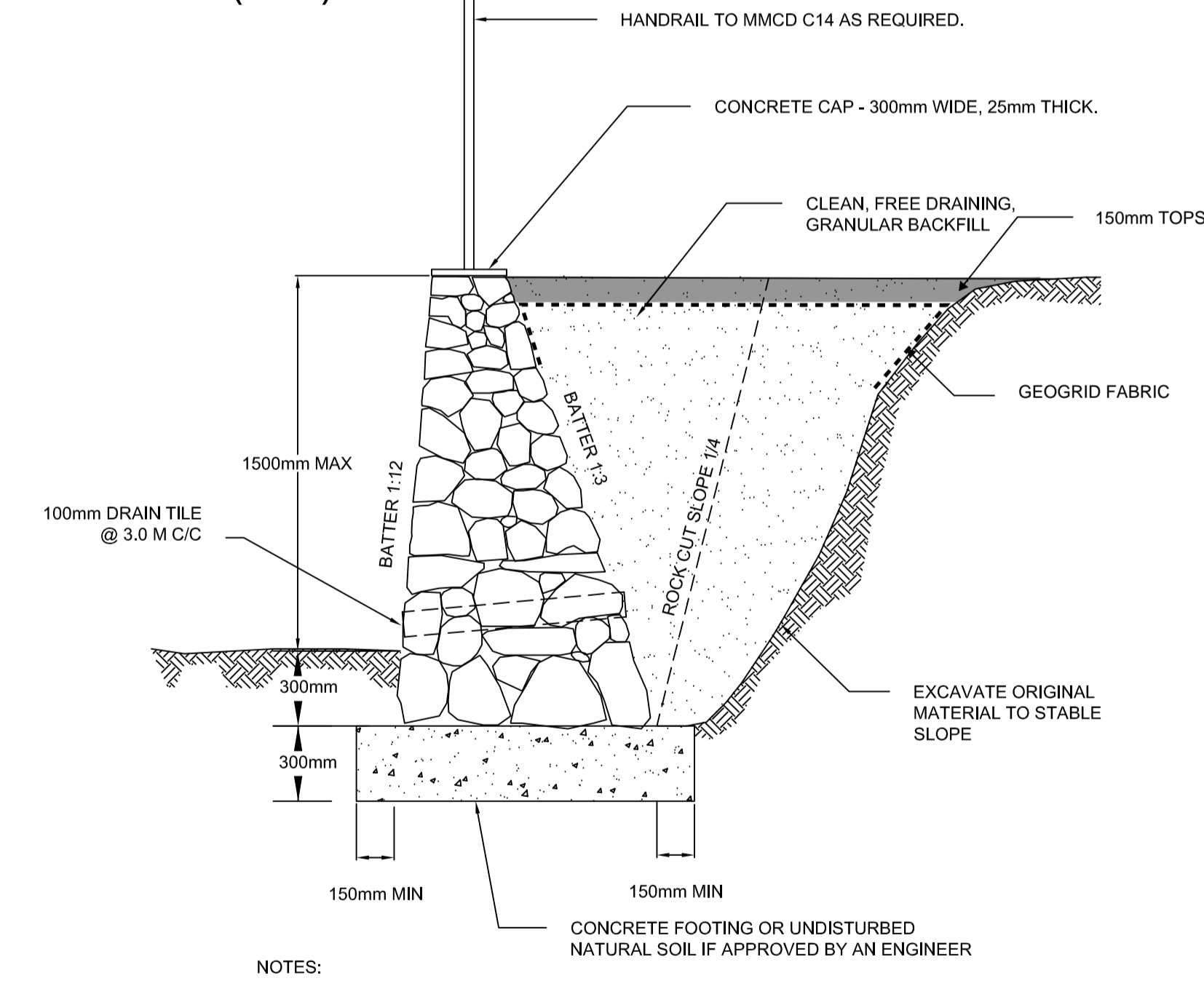
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 REV. 0



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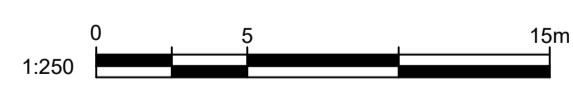


**TYPICAL UTILITY TRENCH DETAIL (NTS)**



- NOTES:
1. WALLS OVER 1.5 METRES HIGH TO BE DESIGNED BY AN ENGINEER.
  2. MORTAR TO BE 1 PART PORTLAND CEMENT TO 2 PARTS SAND.

**MORTARED ROCK RETAINING WALL**  
NTS



PLOT DATE: June 3, 2022

| REV NO | REVISIONS        | DATE   | DRAWN | APPRD |
|--------|------------------|--------|-------|-------|
| 0      | ISSUE FOR TENDER | 220601 | KF    | IM    |



**SEWER, DRAIN, & PATHWAY PLAN AND PROFILE**  
ROAD WORKS - PROFILE AND DETAILS



ISSUE FOR TENDER DESIGN NO.

| SCALE      | 1:250 HOR. 1:25 VER. | CREATION DATE | 220601 | DWG. NO. |
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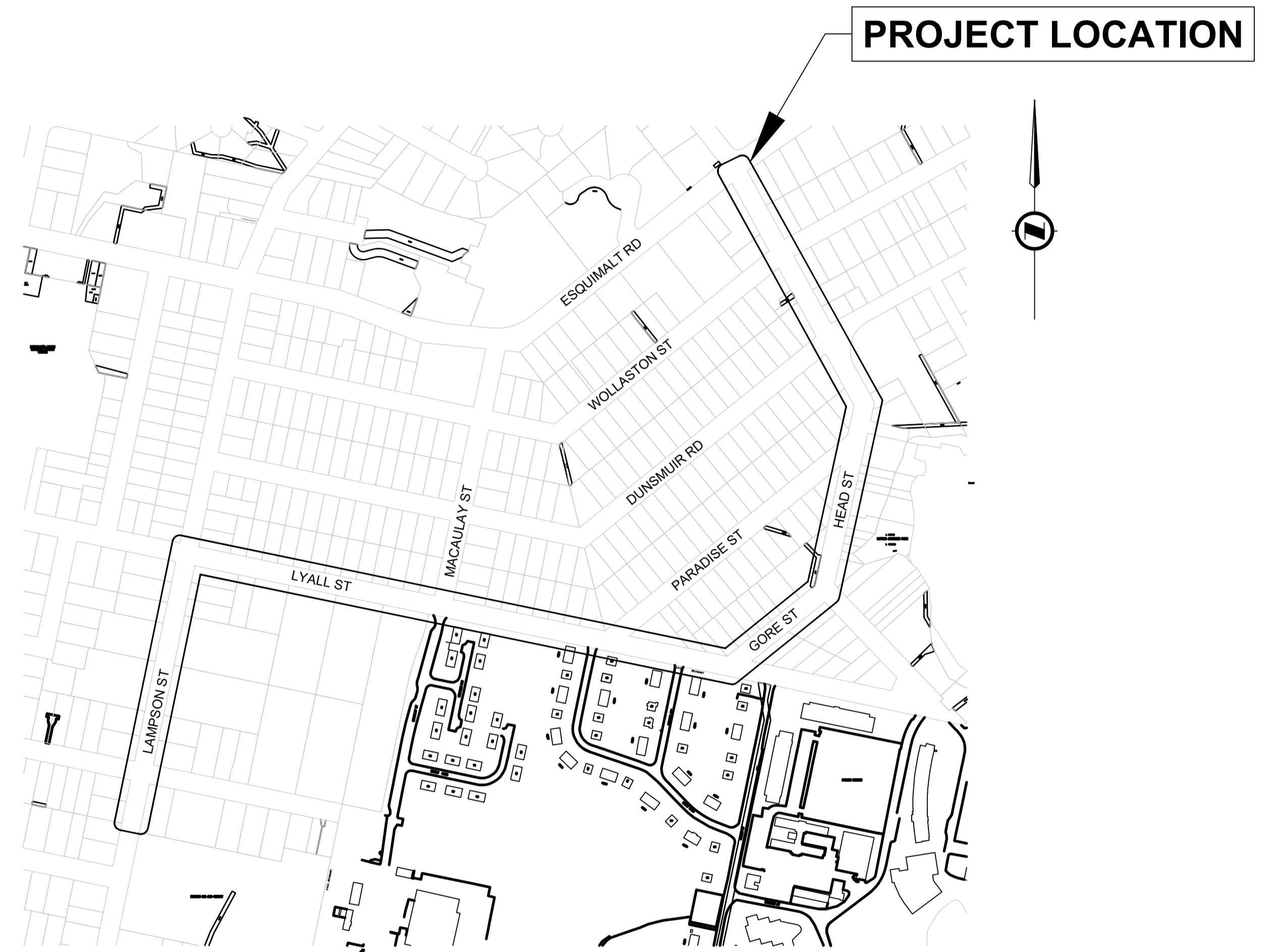


# TOWNSHIP OF ESQUIMALT

## LYALL STREET SURFACE IMPROVEMENTS

CONTRACT ENG-22-01

ISSUE FOR TENDER  
JUNE 2022



LOCATION PLAN

**DRAWING INDEX**

| SHEET | TITLE                  |
|-------|------------------------|
| 0     | COVER SHEET            |
| 1     | NOTES & DETAILS        |
| 2     | REHAB STRATEGIES       |
| 3     | REHAB STRATEGIES       |
| 4     | UPGRADE PLAN VIEW      |
| 5     | UPGRADE PLAN VIEW      |
| 6     | UPGRADE PLAN VIEW      |
| 7     | UPGRADE PROFILE VIEW   |
| 8     | UPGRADE PROFILE VIEW 2 |
| 9     | DETAILS                |



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**32967**

**REV. 0**

**GENERAL NOTES:**

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  - THE MASTER MUNICIPAL CONSTRUCTION DOCUMENT AND STANDARD DETAIL DRAWINGS (MMCD 2009 "PLATINUM EDITION"), EXCEPT AS OTHERWISE NOTED IN THESE DRAWINGS OR THE CONTRACT DOCUMENTS;
  - APPLICABLE CONTRACT DOCUMENTS AND ALL SPECIFICATIONS REFERENCED THEREIN;
  - MINISTRY OF TRANSPORTATION 'BC TRAFFIC CONTROL MANUAL FOR WORK ON ROADWAYS', LATEST EDITION, AND
  - WORKSAFEBC, LATEST EDITION.

THE CONTRACTOR SHALL MAINTAIN ON SITE COPIES OF THE ABOVE DOCUMENTS AND SHALL ENSURE THAT ALL SUB CONTRACTORS ARE THOROUGHLY FAMILIAR WITH THE APPLICABLE SECTIONS OF THE DOCUMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL EXCAVATED MATERIAL UNSUITABLE FOR REUSE AT A SUITABLE OFF-SITE DISPOSAL AREA, IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
- THE CONTRACTOR SHALL REPAIR OR REPLACE ANY EXISTING ROAD SURFACES, SERVICES, SIGNS, LANDSCAPING, DRIVEWAY LETDOWNS, PRIVATE LANDSCAPING, OR PRIVATE IMPROVEMENTS THAT MAY BE DAMAGED AS A RESULT OF CONSTRUCTION. REPAIRS TO EXISTING TOWN SERVICES SUCH AS WATER, SANITARY SEWER, STORM SEWER, AND STREET OR TRAFFIC LIGHTING MAY BE MADE BY THE OWNER AT COST TO THE CONTRACTOR. REPAIRS TO EXISTING SURFACE WORKS MAY BE DONE BY THE CONTRACTOR AT THE DISCRETION OF THE CONTRACT ADMINISTRATOR.
- THE LOCATION OF EXISTING UTILITIES IS COMPILED FROM OWNER AND UTILITY SUPPLIED RECORD DRAWINGS AND ARE CONSIDERED APPROXIMATE ONLY. THE EXACT LOCATION AND EXTENT OF UTILITIES SHOULD BE DETERMINED BY CONSULTING THE LOCAL AUTHORITIES AND UTILITY COMPANIES CONCERNED.
- REPORT ANY DISCREPANCIES TO THE CONTRACT ADMINISTRATOR A MIN 72 HOURS PRIOR TO CONSTRUCTION TO ENSURE THAT THE LINE AND GRADE OF THE PROPOSED WORK CAN BE ADJUSTED TO SUIT FIELD CONDITIONS AS REQUIRED.
- RESTORATION OF EXISTING DRIVEWAYS, CURBS, STAIRS AND WALKWAYS TO CONFORM TO TOWN SPECIFICATIONS AND TO BE INCIDENTAL TO THE UNIT PRICES IN THE CONTRACT.
- EVERY EFFORT IS TO BE MADE TO SAVE EXISTING LANDSCAPING WITHIN THE ROAD R.O.W. LANDSCAPING IS TO BE RESTORED TO ITS ORIGINAL OR BETTER CONDITION. IN THE EVENT OF LANDSCAPING REMOVAL THE PROPERTY OWNER SHALL BE ADVISED OF THE REMOVAL AND THE LANDSCAPING PLACED IN OWNERS PROPERTY UPON THEIR REQUEST.
- ALL SURVEY MONUMENTS, SURVEY PINS, OR LEAD PLUGS WITHIN THE PROJECT BOUNDARIES SHALL BE PROTECTED DURING THE COURSE OF THE WORK. SHOULD ANY SURVEY MONUMENT REQUIRE RAISING OR RELOCATION, THE CONTRACTOR SHALL NOTIFY THE OWNER'S ENGINEERING AND OPERATIONS DEPARTMENT AT LEAST FIVE (5) BUSINESS DAYS IN ADVANCE OF SCHEDULING WORK.
- ALL ELEVATIONS ARE GEODETIC AND REFERENCED TO INTEGRATED SURVEY MONUMENT ELEVATIONS LOCATED ON ROAD RIGHT-OF-WAYS.
- ALL PUBLIC ROADWAYS AFFECTED BY THE WORKS SHALL BE KEPT IN A CLEAN STATE AT ALL TIMES AND FREE OF EQUIPMENT AND MATERIALS AT ALL TIMES WHEN CONSTRUCTION ACTIVITY IS NOT UNDERWAY. DUST CONTROL MEASURES SHALL ALSO BE EMPLOYED AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, AND FOR COORDINATING THE VARIOUS PARTS OF THE WORK. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THERE IS NO DISRUPTION TO SERVICE, AND IF DISRUPTION IS ANTICIPATED, TO NOTIFY THE CONTRACT ADMINISTRATOR A MINIMUM OF 72 HOURS PRIOR, AND OBTAIN APPROVAL FOR THE DISRUPTION.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY WARM MIX ASPHALT PATCHING TO MMCD REQUIREMENTS AT LOCATIONS SPECIFIED IN THE CONTRACT DOCUMENTS. TEMPORARY ASPHALT PATCHING THICKNESS SHALL MATCH THE EXISTING ASPHALT THICKNESS WITH A MINIMUM OF 75mm AND SHALL MEET THE EXISTING ASPHALT SURFACE. USE OF COLD MIX IS NOT ACCEPTABLE. TEMPORARY PATCHING OF SIDEWALKS AND CURBS AND GUTTERS IS ALSO TO BE MADE WITH WARM MIX AND MEET THE EXISTING SURFACE.
- ALL CONCRETE AND ASPHALT IDENTIFIED FOR REMOVAL IS TO BE DISPOSED OFFSITE UNLESS OTHERWISE NOTED.

**CONCRETE NOTES:**

- NO CONCRETE WORKS SHALL BE ALLOWED IF THE CURRENT TEMPERATURE ON SITE IS BELOW 5°C OR ABOVE 32°C.
- IF TEMPERATURES ARE EXPECTED TO DROP BELOW FREEZING WITHIN THE 5 DAY WINDOW FOLLOWING A CONCRETE POUR A THERMO BLANKET WILL BE REQUIRED TO MAINTAIN CONCRETE TEMPERATURES.
- IF CONCRETE IS Poured AT TEMPERATURES ABOVE 25°C IT SHALL BE SPRAYED WITH WATER 5 TIMES PER DAY AT REASONABLE INCREMENTS BETWEEN THE HOURS OF 10am AND 3pm.
- CONCRETE WORKS TO BE COMPLETED DURING RAIN EVENTS MAY BE ALLOWED AT THE DISCRETION OF THE CONTRACT ADMINISTRATOR. IN THE EVENT THAT CONCRETE IS Poured DURING A RAIN EVENT THE CONTRACTOR SHALL PROVIDE A PLASTIC COVERING THAT IS MAINTAINED TO PROTECT THE CONCRETE FOR A MINIMUM OF 24 HOURS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE MONITORING OF FRESHLY Poured CONCRETE TO ENSURE NO DAMAGE IS CAUSED. ANY DAMAGE OR DEFAACEMENT OF FRESHLY Poured CONCRETE SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

**ENVIRONMENTAL NOTES:**

- ALL INLET STRUCTURES IN PROXIMITY TO TRENCH WORK OR EXPOSED ROAD BASE WILL BE FITTED WITH MANUFACTURED INLET CONTROL DEVICES AND OR 'FILTER SACK' TYPE CATCHBASIN CONTROL (OR APPROVED ALTERNATIVE). CONTROL DEVICES TO BE MAINTAINED IN A FULLY FUNCTIONAL STATE AT ALL TIMES.
- INLET CONTROL DEVICES (I.E. FILTER SACKS) MUST HAVE A MINIMUM 8" DROP FROM SURFACE OF THE CATCHBASIN.
- UNDER NO CIRCUMSTANCES ARE CATCHBASINS TO BE FITTED WITH GEOTEXTILE SHEATHS CUT FROM STOCKPILE ROLLS.
- AVOID EARTH DISTURBING ACTIVITIES DURING SUBSTANTIAL RAIN EVENTS.
- AVOID STOCKPILING SOILS, SANDS AND OTHER ERODIBLE MATERIALS ONSITE. IT IS PREFERABLE TO 'HOT-LOAD' SOIL DIRECTLY INTO TRUCKS FOR OFFSITE DISPOSAL. IF TEMPORARY WASTE OR SOIL STOCKPILES ARE NECESSARY, MAKE SURE THEY ARE FULLY COVERED WITH TARPS AND WEIGHTED WITH SANDBAGS.
- TRACKING OF SEDIMENT, SOIL AND/OR ROADBASE FROM WORKSITE TO VEHICLE TRAVEL LANES MUST BE PREVENTED.
- ROADS MUST BE SWEEPED CLEAN OF SOIL, LOOSE ROAD BASE, EARTH AND SEDIMENT. MECHANICAL SWEEPING IS PREFERRED TO MANUAL SWEEPING. HOWEVER, FREQUENT HAND SWEEPING IS PREFERABLE TO ONCE DAILY MECHANICAL SWEEPING.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT NO SEDIMENT OR SEDIMENT LADEN WATER IS DISCHARGED FROM THE WORKS TO THE OWNER'S DRAINAGE SYSTEM.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO DEVELOP AND PROVIDE TO THE OWNER THE FOLLOWING ENVIRONMENTAL SUBMITTALS WITHIN 15 DAYS AFTER NOTICE OF AWARD:
  - SPILL RESPONSE PLAN THAT PROVIDES WRITTEN SAFE WORK PROCEDURES IN THE EVENT OF A SPILL
    - AN EMERGENCY SPILL KIT WILL BE KEPT ONSITE AT ALL TIMES THE CONTRACTOR IS OPERATING. SPILL KITS MUST INCLUDE BOOMS, SPILL PADS, GLOVES, AND CATCHBASIN BARRIERS. A SPILL KIT WITH AT LEAST 125 LITRES ABSORBENCY IS RECOMMENDED. SANDBAGS AND A SUPPLY OF SAND MUST BE KEPT ONSITE.
    - AN EROSION AND SEDIMENT CONTROL PLAN (ESCC).
- THE CONTRACTOR IS TO HAVE ONSITE SODIUM THIOSULPHATE TO TREAT CHLORINATED WATER IN THE EVENT OF A WATER MAIN BREAK.

**TRAFFIC MANAGEMENT, NOTIFICATION AND APPROVALS NOTES:**

- THE CONTRACTOR SHALL PROVIDE CONSTRUCTION SIGNAGE, BARRIERS, FLASHING INDICATORS ACCORDING TO MOTI, BC TRAFFIC MANAGEMENT MANUAL FOR WORK ON ROADWAYS (LATEST EDITION) & WORKSAFE BC REGULATIONS AT ALL TIMES TO ENSURE THE SAFETY OF THE PUBLIC. TRAFFIC CONTROL WILL BE REQUIRED FOR ALL CONSTRUCTION WORKS WITHIN THE TRAVELED PORTION OF THE ROAD. NO ROAD SHALL BE CLOSED WITHOUT WRITTEN CONSENT FROM THE TOWNSHIP OF ESQUIMALT.
- THE CONTRACTOR SHALL ENSURE THAT ALL APPROVALS REQUIRED FOR THE PROPOSED WORKS HAVE BEEN OBTAINED FROM ALL AUTHORITIES AND AGENCIES PRIOR TO COMMENCING THE WORK.
- THE CONTRACTOR SHALL ARRANGE FOR, AND COORDINATE THE WORKS DONE BY:
  - OWNER; AND
  - FRANCHISE UTILITIES.
- THE CONTRACTOR SHALL MAKE CONTACT WITH THE APPROPRIATE PERSONNEL AT LEAST 72 HOURS PRIOR TO THE WORK. SCHEDULING AND OTHER CONSTRUCTION CONSTRAINTS IMPOSED BY THESE WORKS SHALL BE TAKEN INTO ACCOUNT.
- RESIDENTS DIRECTLY AFFECTED BY CONSTRUCTION OF THESE WORKS SHALL BE GIVEN MINIMUM 5 DAYS WRITTEN NOTICE OF THE PROPOSED START OF CONSTRUCTION. THE CONTRACTOR IS TO DISTRIBUTE A NOTICE OF CONSTRUCTION LETTER TO ALL AFFECTED RESIDENTS AND BUSINESSES. LETTER TO DIRECT INQUIRIES TO CONTRACT ADMINISTRATOR. FOLLOWING CONSTRUCTION ACTIVITY ON ANY PRIVATE PROPERTY, A WRITTEN RELEASE MAY BE REQUIRED FROM THE PROPERTY OWNER AT THE DISCRETION OF THE OWNER.
- ACCESS TO ALL PRIVATE PROPERTIES AND BUSINESSES MUST BE MAINTAINED FOR VEHICULAR AND PEDESTRIAN TRAFFIC. WHERE ACCESS IS AFFECTED, THE CONTRACTOR SHALL PROVIDE A MINIMUM 24 HOUR NOTICE TO ANY RESIDENT OR BUSINESS BEFORE STARTING WORK.
- A TRAFFIC AND PEDESTRIAN SAFETY CONTROL PLAN SHALL BE SUBMITTED BY THE CONTRACTOR PRIOR TO THE PRECONSTRUCTION MEETING AND APPROVED PRIOR TO ISSUE OF NOTICE TO PROCEED.
- CONTRACTOR TO SUBMIT A TRAFFIC MANAGEMENT PLAN (TMP), WHICH ENSURES SINGLE LANE ALTERNATING TRAFFIC SHALL BE MAINTAINED AT ALL TIMES. NO PROVISIONS FOR TRAFFIC DELAYS SHALL BE MADE OTHER THAN THOSE REQUIRED TO ALLOW TRAFFIC TO FLOW IN THE ALTERNATE DIRECTION.
- NOTICE OF CONSTRUCTION SIGNS TO BE INSTALLED AT ALL PROJECT LIMITS AND PREFERRED DETOUR ROUTE. NOTIFY CONTRACT ADMINISTRATOR WITH CONSTRUCTION SCHEDULE AND LOCATIONS. SIGNS PROVIDED AND INSTALLED BY CONTRACTOR.
- APPROVAL OF NOISE VARIANCE FOR ALL WORK OUTSIDE OF NORMAL APPROVED WORK HOURS REQUIRED BY THE OWNER.
- LAP JOINTS ARE TO BE INSTALLED AT ALL LIMITS OF CONSTRUCTION.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR COMPLETION OF ALL PERMANENT PAINT AND THERMOPLASTIC PAVEMENT MARKINGS IN THE PLACE OF THE WORK. PERMANENT LANE MARKINGS ARE TO BE PLACED WITHIN SEVENTY-TWO (72) HOURS OF FINAL PAVING AND PERMANENT THERMOPLASTIC PAVEMENT MARKINGS ARE TO BE PLACED WITHIN FIVE (5) DAYS OF FINAL PAVING.
- ALL TEMPORARY MARKINGS ARE TO BE REMOVED IMMEDIATELY FOLLOWING INSTALLATION OF THE PERMANENT MARKINGS.
- APPROVALS FOR REQUIRED TREE CUTTING OR TRIMMING NOT INDICATED IN CONTRACT DRAWINGS SHALL BE OBTAINED BY THE CONTRACTOR FROM THE OWNER PRIOR TO WORK BEING PERFORMED.

**SIGNAGE AND PAVEMENT MARKING NOTES:**

- ALL PAVEMENT MARKINGS SHOWN ON DRAWINGS ARE NOT TO SCALE.
- ALL PAVEMENT MARKINGS TO BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
- ALL Poured AND SPRAYED MARKINGS APPLICATIONS SHALL HAVE A MINIMUM THICKNESS OF 60mm AND A MAXIMUM OF THICKNESS OF 120mm
- ALL SIGNS TO BE DIAMOND GRADE

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PLOT DATE: June 7, 2022

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**LYALL STREET SURFACE IMPROVEMENTS**  
NOTES AND DETAILS



1620 Cook St, Victoria, BC V8T 3P1  
T: (250)361-3230 F: (604)629-5756

ISSUE FOR TENDER DESIGN NO.

**32967**

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| SCALE      | AS SHOWN | CREATION DATE | JUNE 2022 | DWG. NO. |
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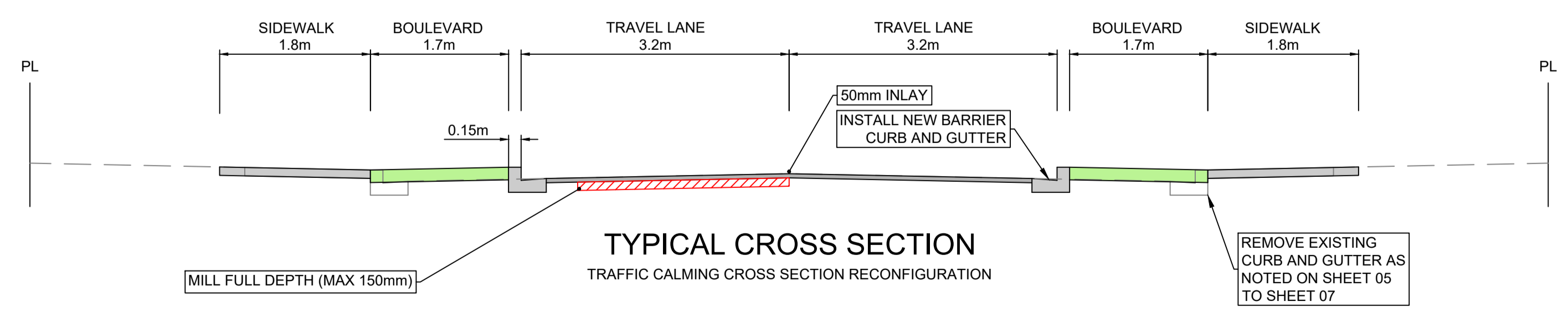
**DISCLAIMER:**  
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LOCATIONS IDENTIFIED FOR FULL DEPTH REPAIRS TO BE REVIEWED WITH INSPECTOR FOLLOWING TOP LIFT MILLING TO DETERMINE FINAL EXTENTS OF FULL DEPTH REPAIRS (TYP)



- 50mm MILL AND INLAY
- LOCALIZED FULL DEPTH SPOT REPAIRS (MAX DEPTH OF REPAIR 150mm)

NOTE:  
 FULL DEPTH REMOVAL OF FAILURE ASPHALT TO BE LAID OUT ON SITE AND REVIEWED BY FIELD REPRESENTATIVE PRIOR TO CONSTRUCTION



PLOT DATE: June 7, 2022

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## LYALL STREET SURFACE IMPROVEMENTS

### ROAD WORKS - REHAB STRATEGIES

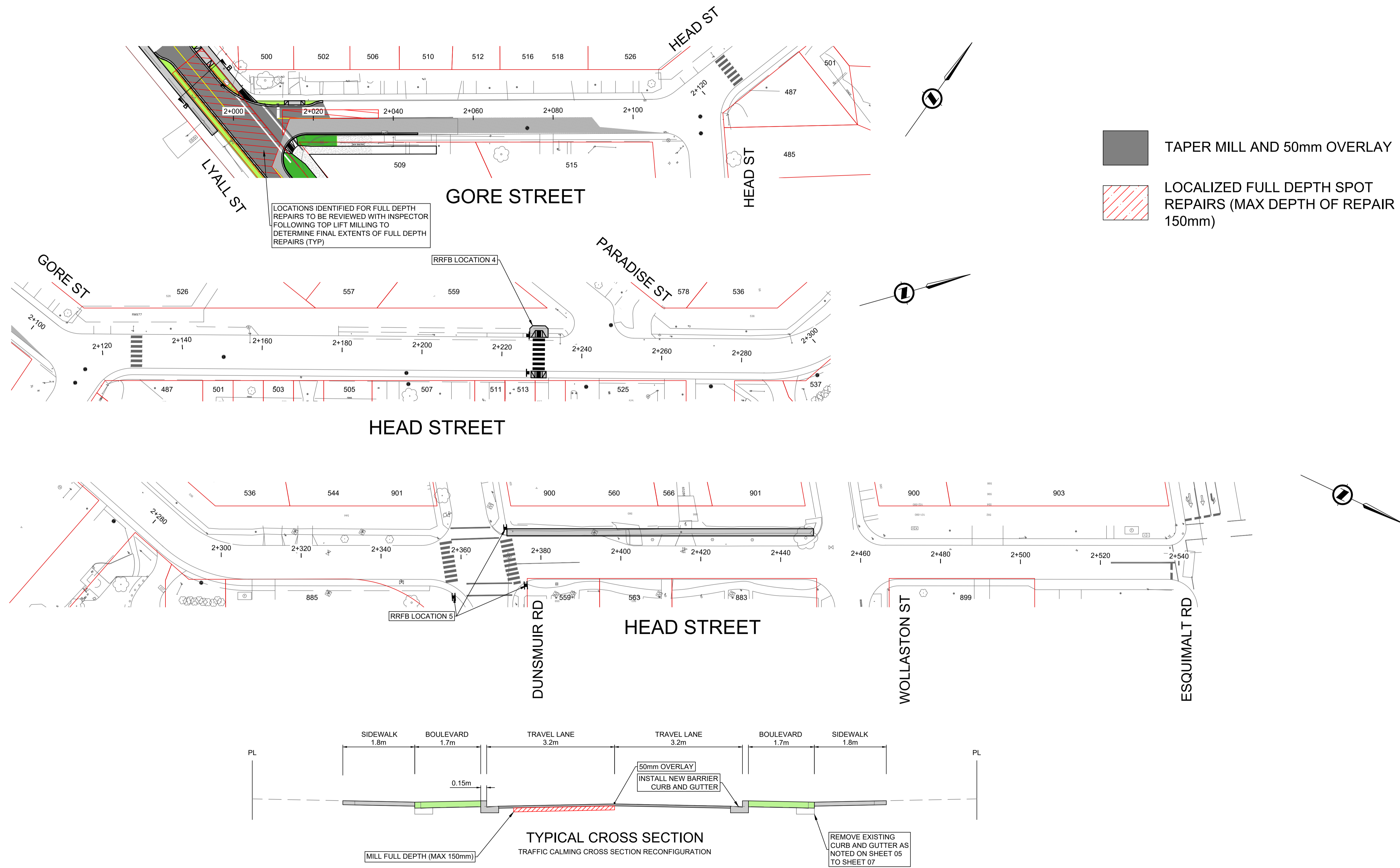


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TAPER MILL AND 50mm OVERLAY

LOCALIZED FULL DEPTH SPOT REPAIRS (MAX DEPTH OF REPAIR 150mm)

LOCATIONS IDENTIFIED FOR FULL DEPTH REPAIRS TO BE REVIEWED WITH INSPECTOR FOLLOWING TOP LIFT MILLING TO DETERMINE FINAL EXTENTS OF FULL DEPTH REPAIRS (TYP)

RRFB LOCATION 4

RRFB LOCATION 5

**TYPICAL CROSS SECTION**  
 TRAFFIC CALMING CROSS SECTION RECONFIGURATION



PLOT DATE: June 7, 2022

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**LYALL STREET SURFACE IMPROVEMENTS**  
 ROAD WORKS - REHAB STRATEGIES



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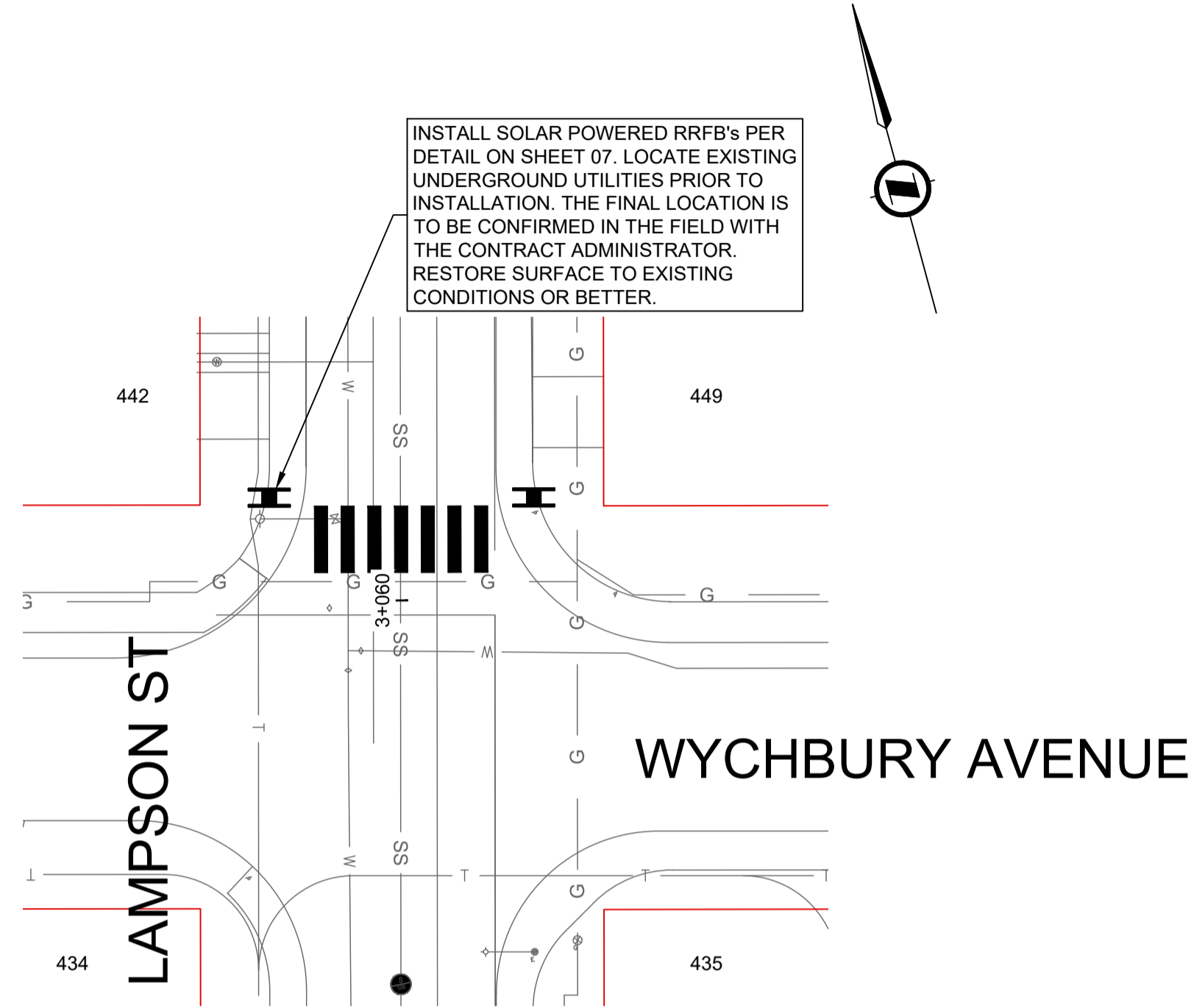
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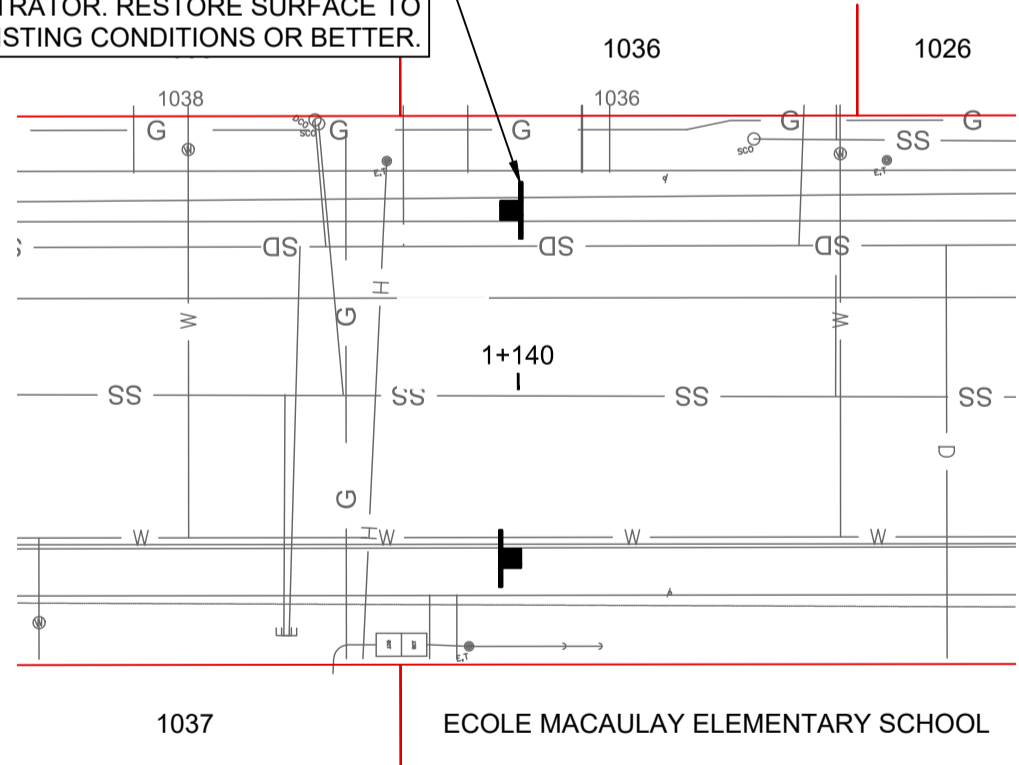


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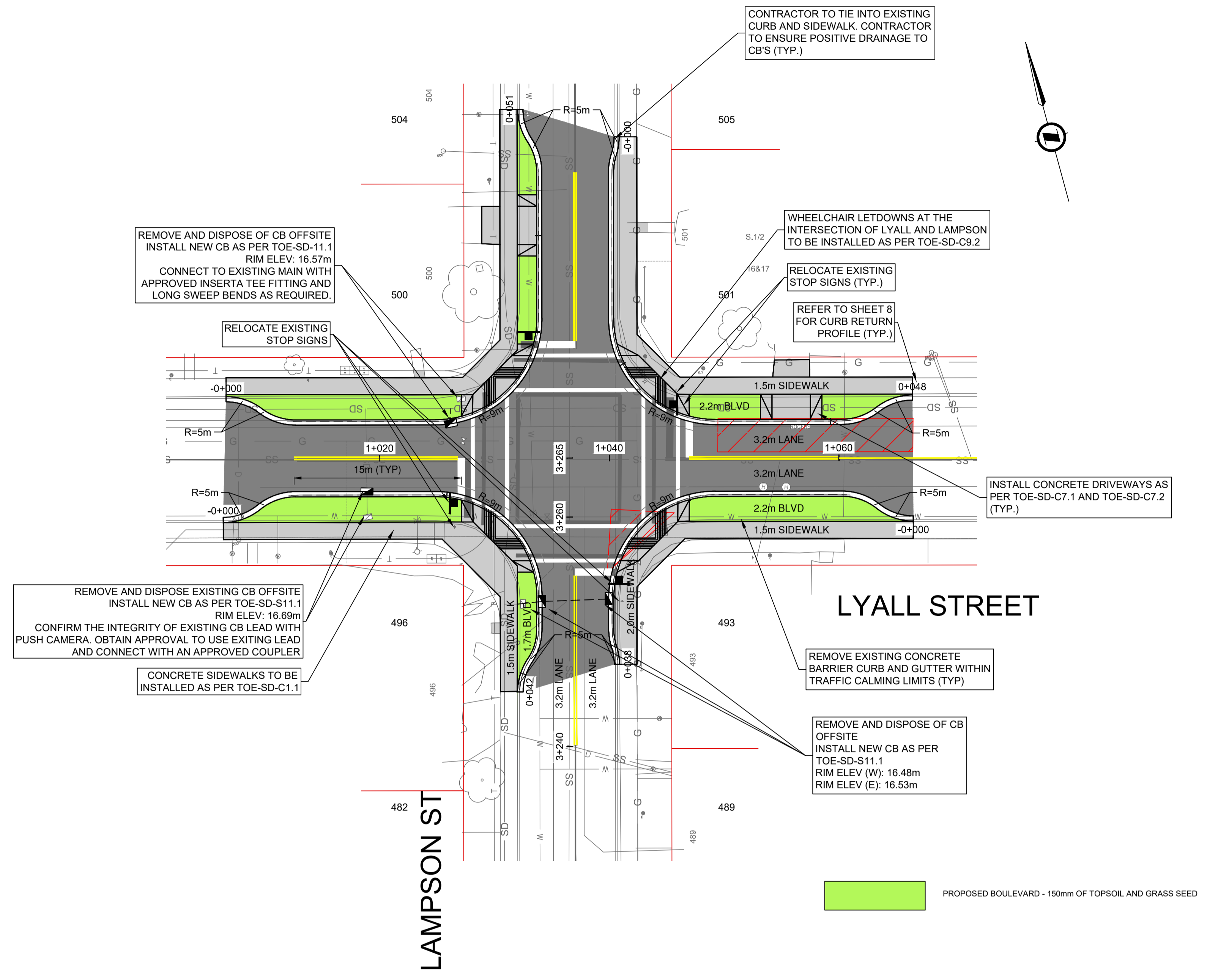


PLAN: RRFB LOCATION NO. 1 APPROXIMATE STA. 3+050  
 SCALE 1:250

INSTALL SOLAR POWERED RRFB's AND PAINTED ZEBRA STYLE CROSSWALK PER DETAIL ON SHEET 07. LOCATE EXISTING UNDERGROUND UTILITIES PRIOR TO INSTALLATION. THE FINAL LOCATION IS TO BE CONFIRMED IN THE FIELD WITH THE CONTRACT ADMINISTRATOR. RESTORE SURFACE TO EXISTING CONDITIONS OR BETTER.



PLAN: RRFB LOCATION NO. 2 APPROXIMATE STA. 1+150  
 SCALE 1:250



PLAN: LAMPSON STREET AT LYALL STREET  
 SCALE 1:250

PROPOSED BOULEVARD - 150mm OF TOPSOIL AND GRASS SEED



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**LYALL STREET SURFACE IMPROVEMENTS**  
 ROAD WORKS - UPGRADE PLAN VIEW



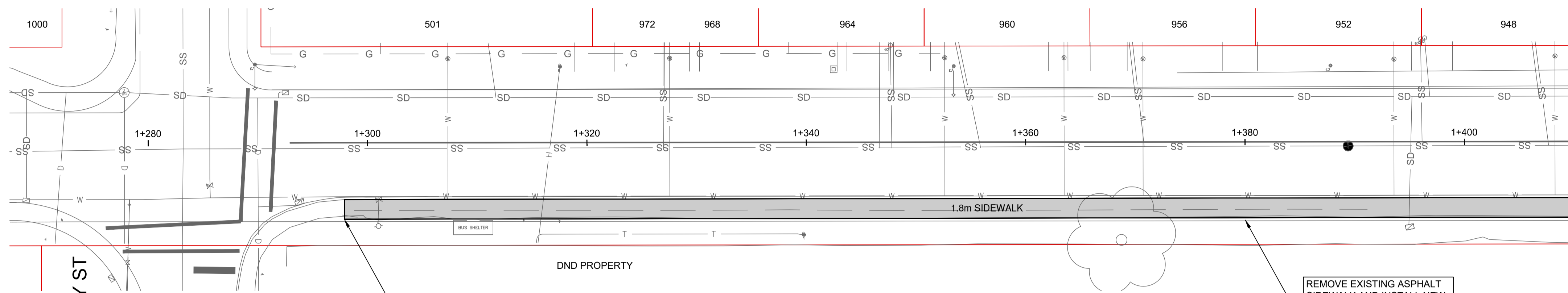
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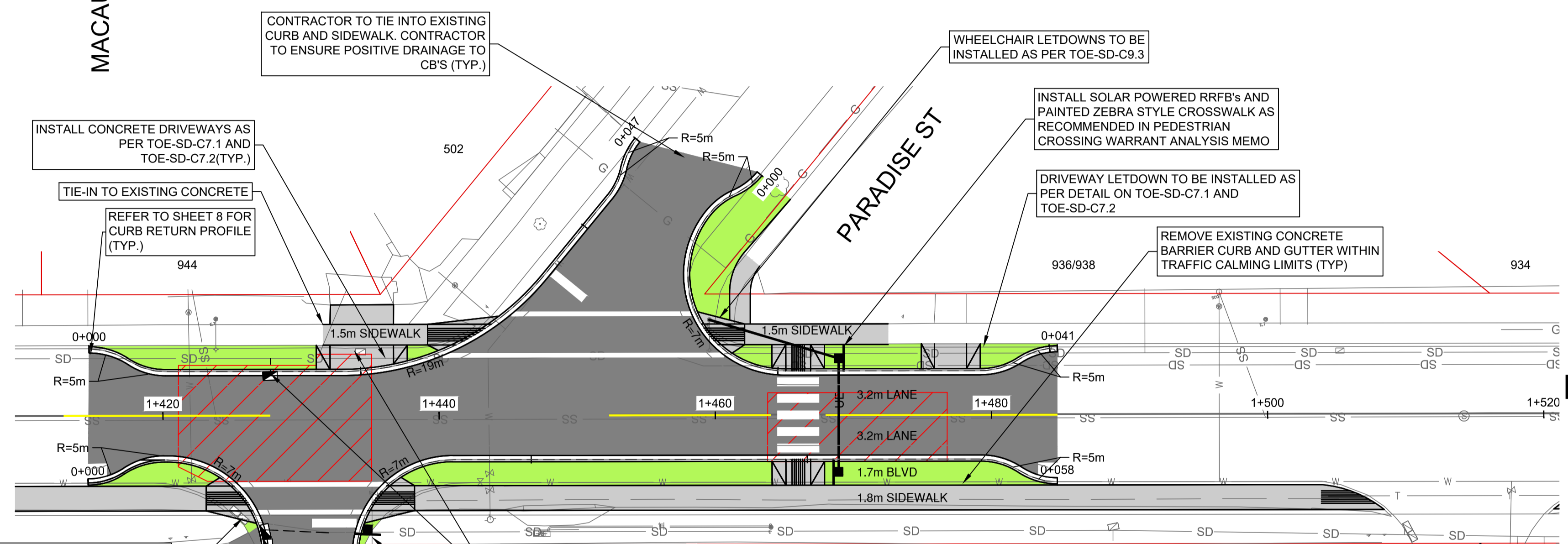
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LYALL STREET

**PLAN: LYALL STREET AND MACAULAY STREET**  
 SCALE 1:250

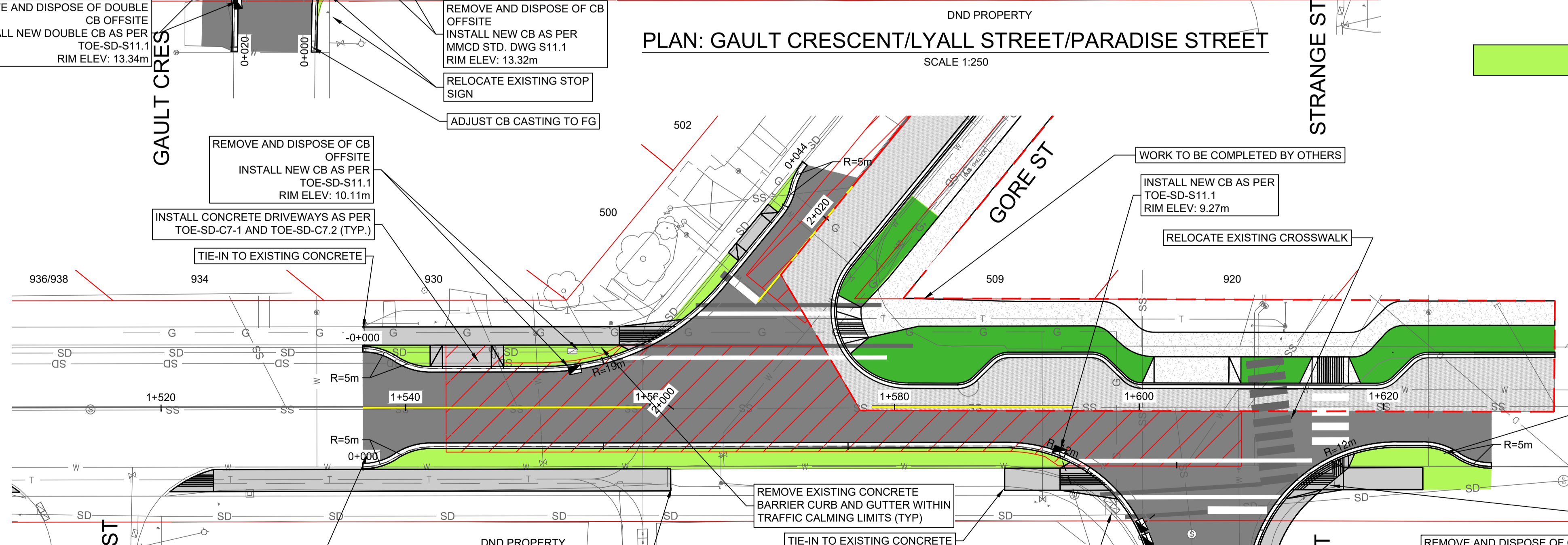
REMOVE EXISTING ASPHALT SIDEWALK AND INSTALL NEW CONCRETE SIDEWALK AS PER TOE-SD-C2.1. EXISTING CONCRETE ROLLOVER CURB TO REMAIN.



LYALL STREET

**PLAN: GAULT CRESCENT/LYALL STREET/PARADISE STREET**  
 SCALE 1:250

PROPOSED BOULEVARD - 150mm OF TOPSOIL AND GRASS SEED

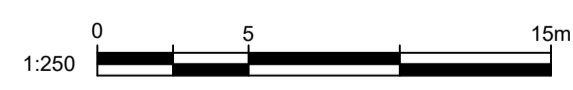


STRANGE ST

LYALL STREET

PETERS ST

**PLAN: LYALL STREET/GORE STREET/PETER STREET**  
 SCALE 1:250



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**LYALL STREET SURFACE IMPROVEMENTS**  
 ROAD WORKS - UPGRADE PLAN VIEW



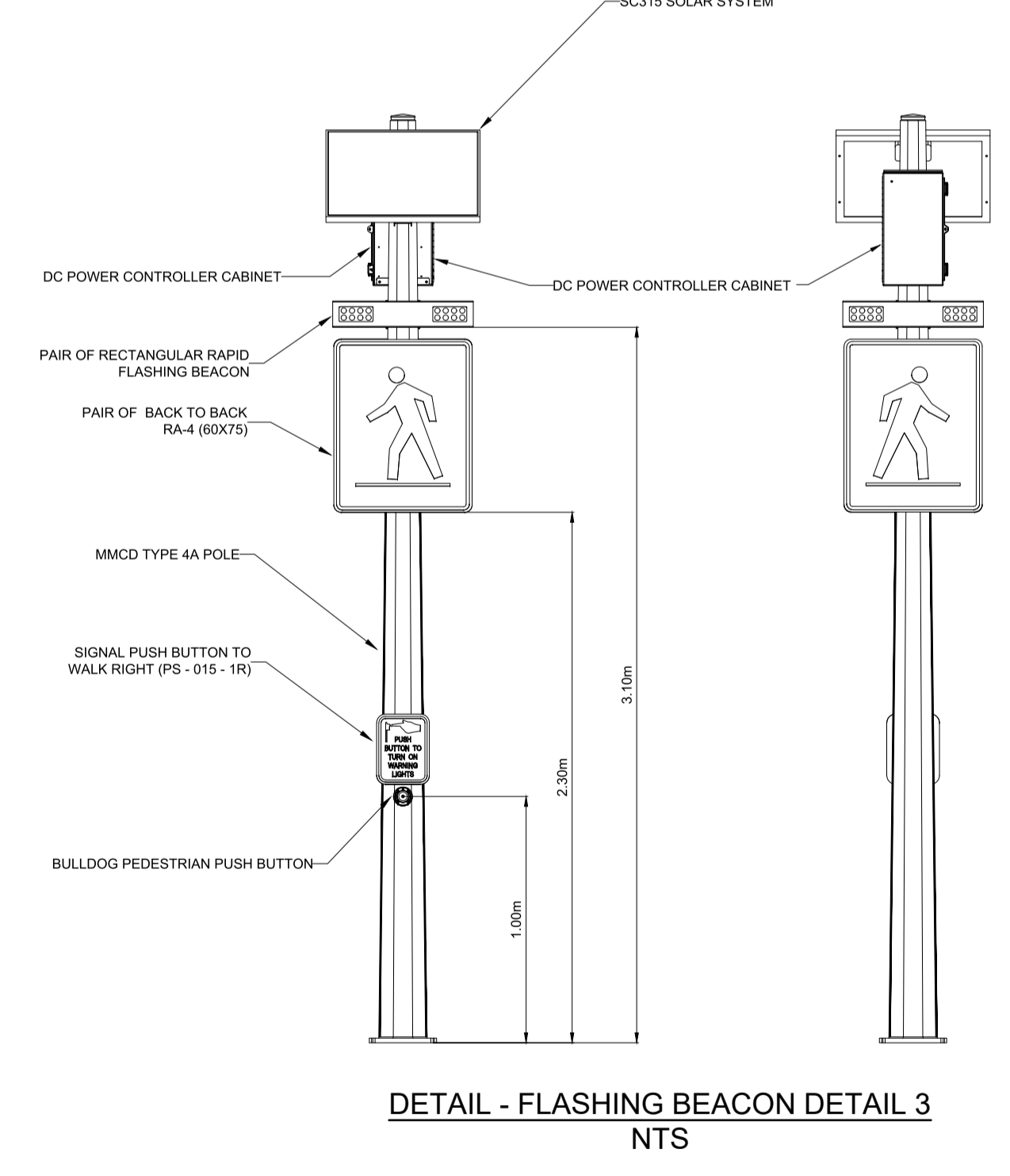
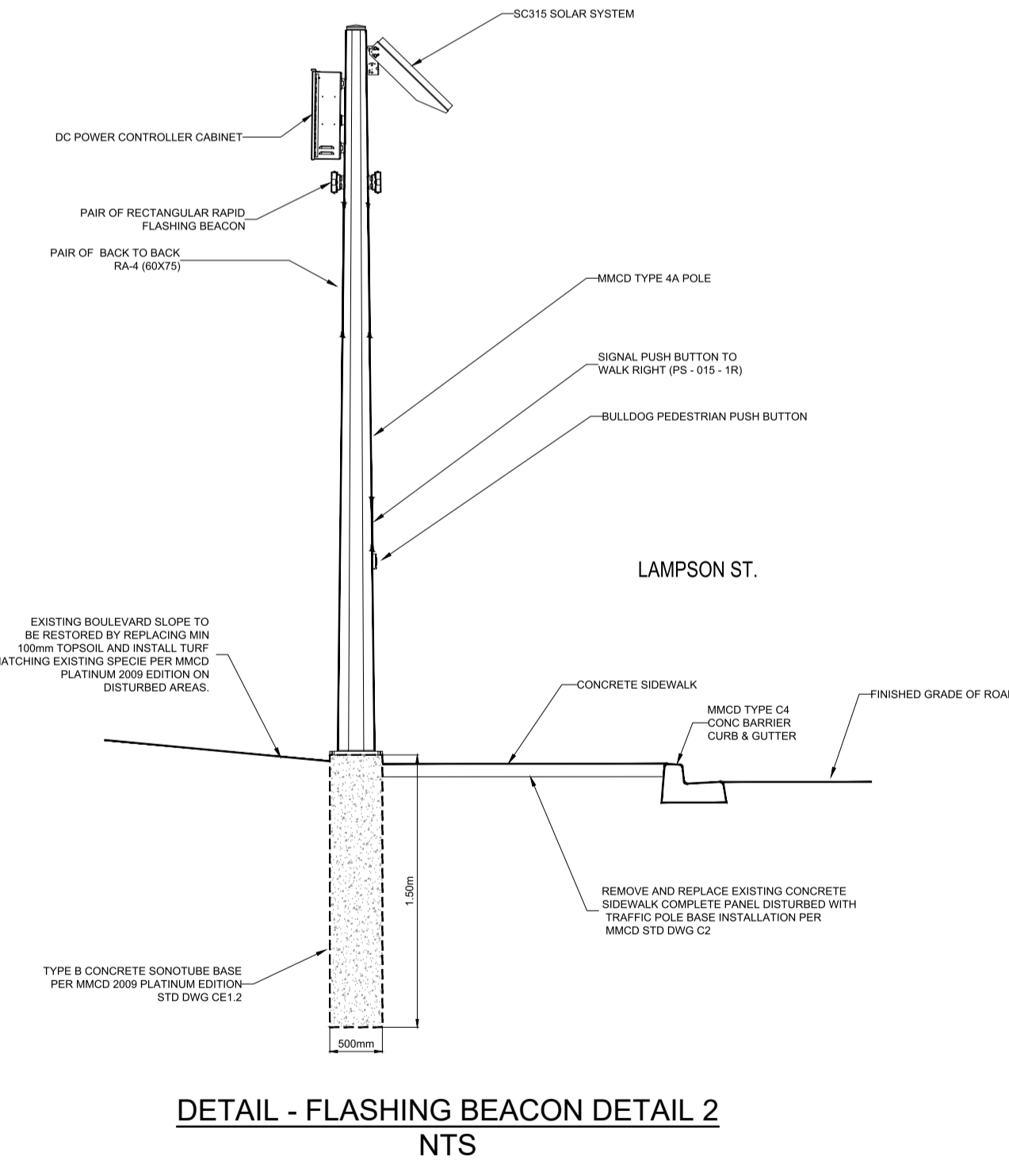
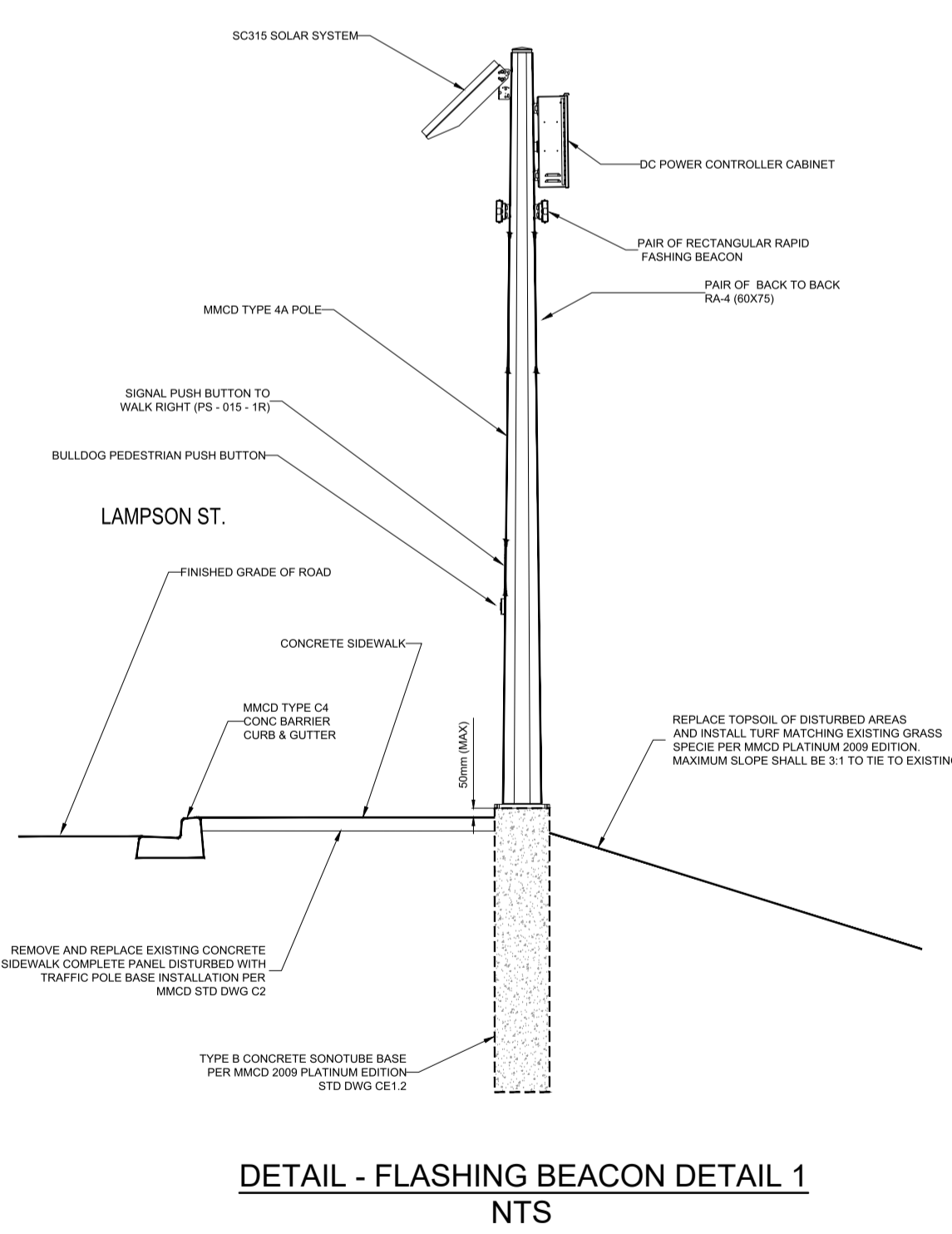
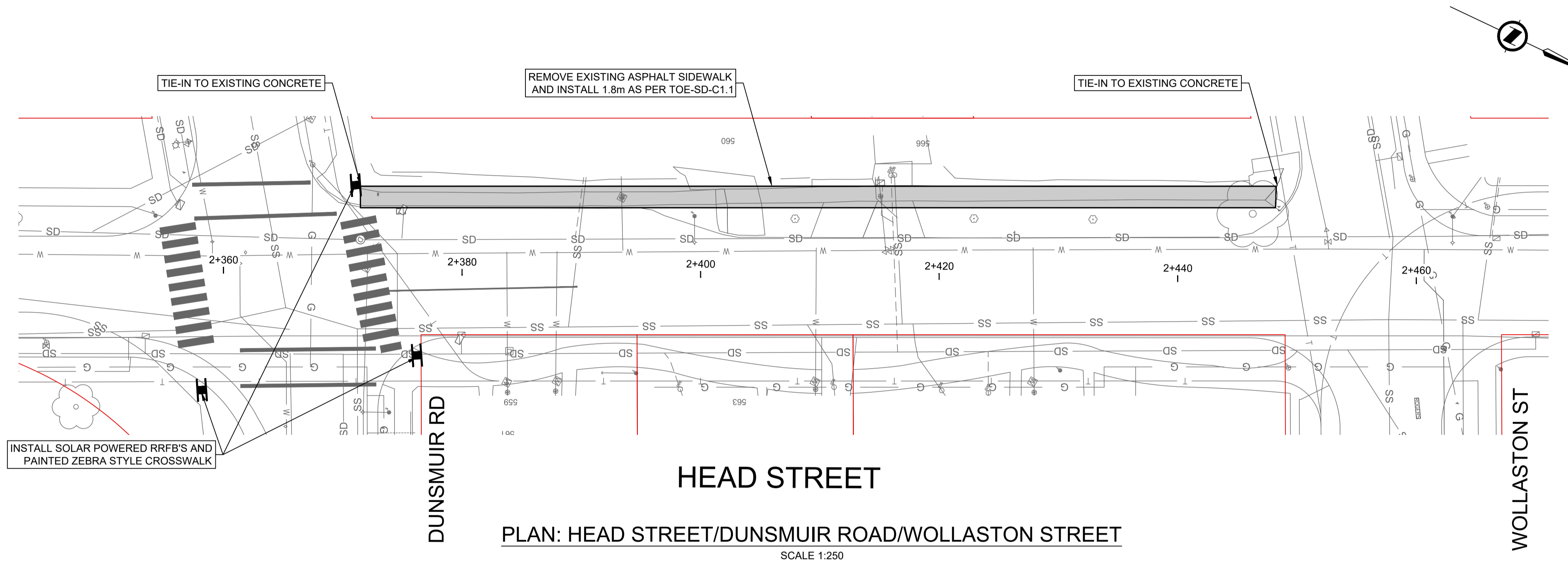
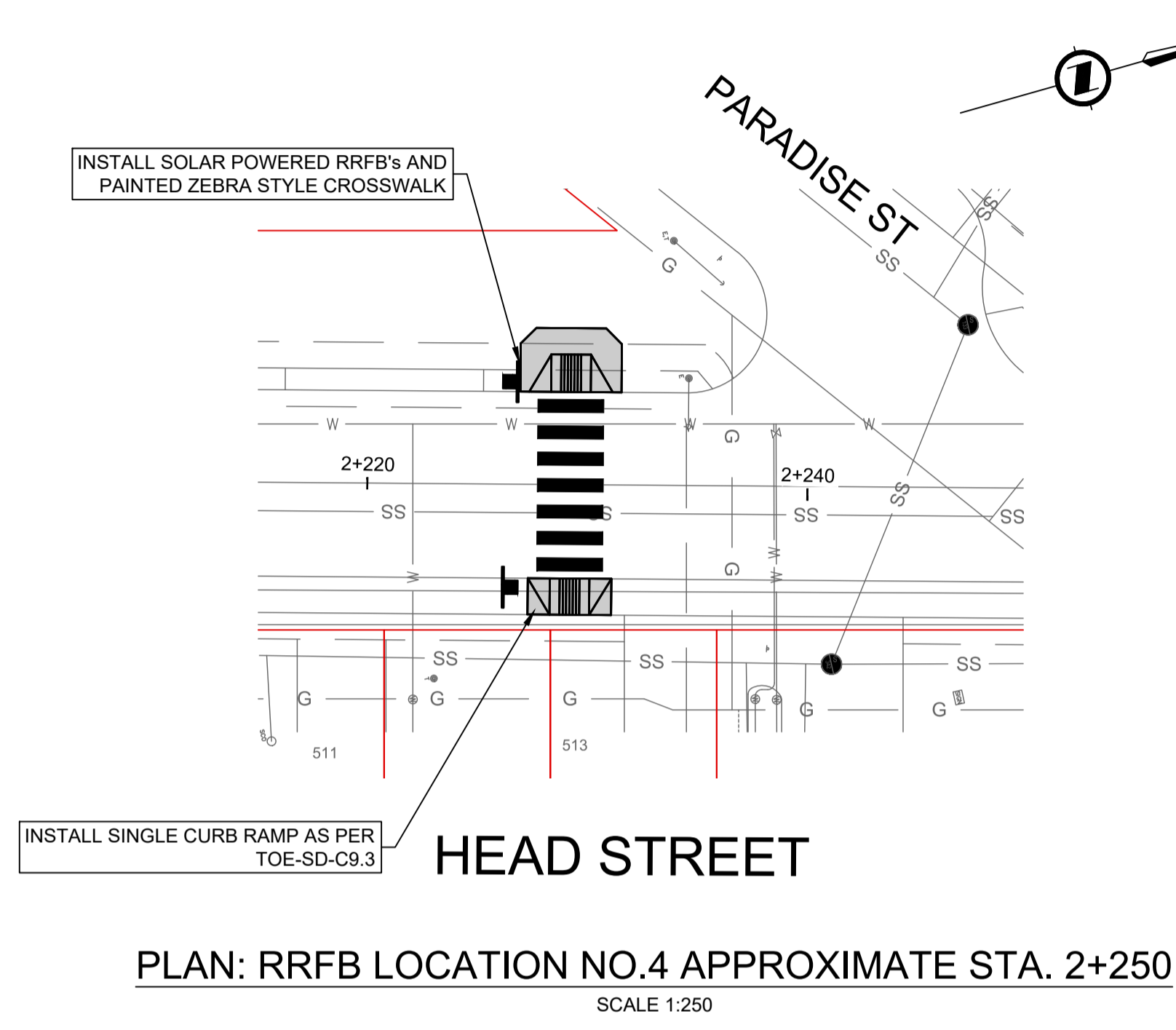
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PLOT DATE: June 7, 2022

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**LYALL STREET SURFACE IMPROVEMENTS**  
 ROAD WORKS - UPGRADE PLAN VIEW

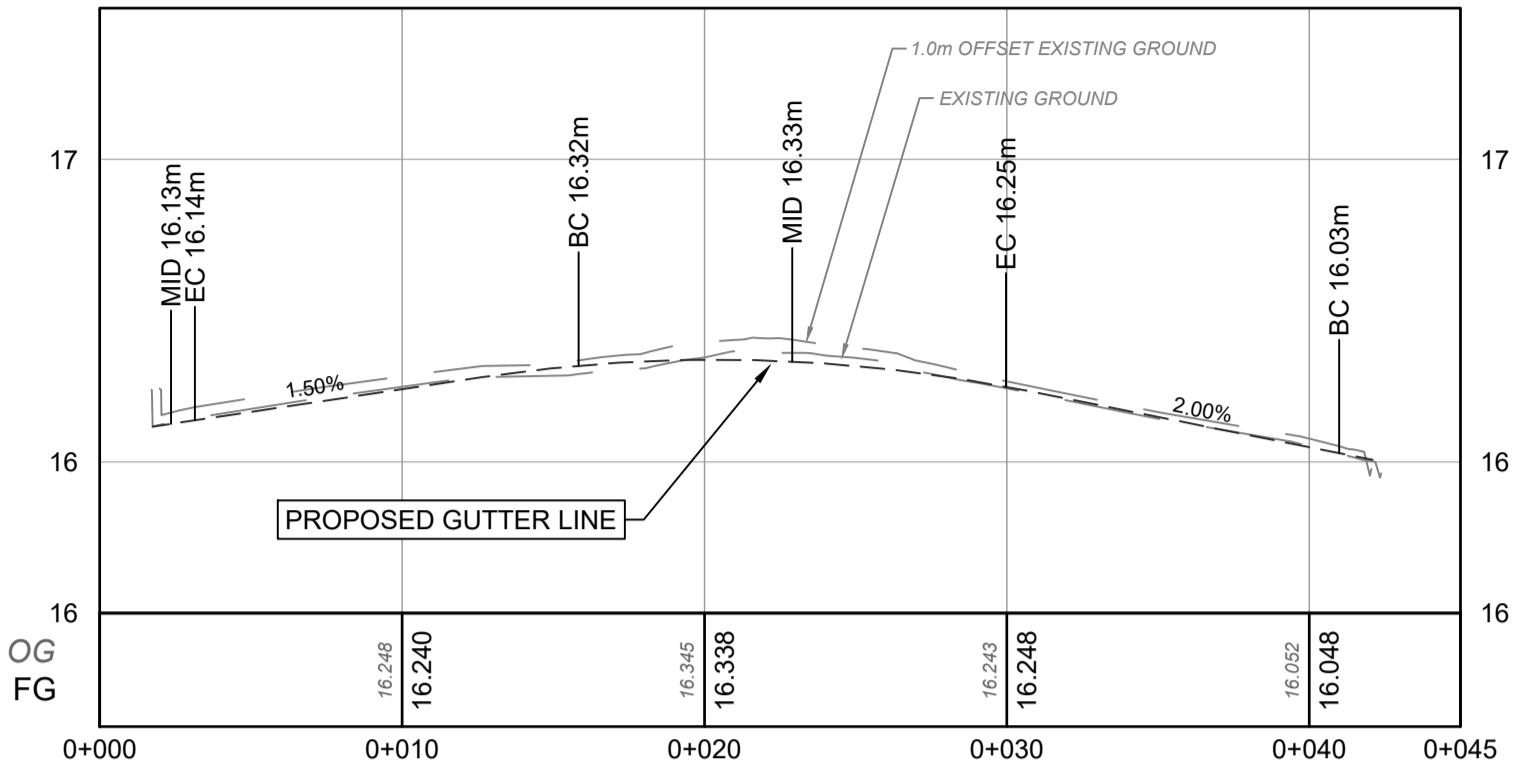


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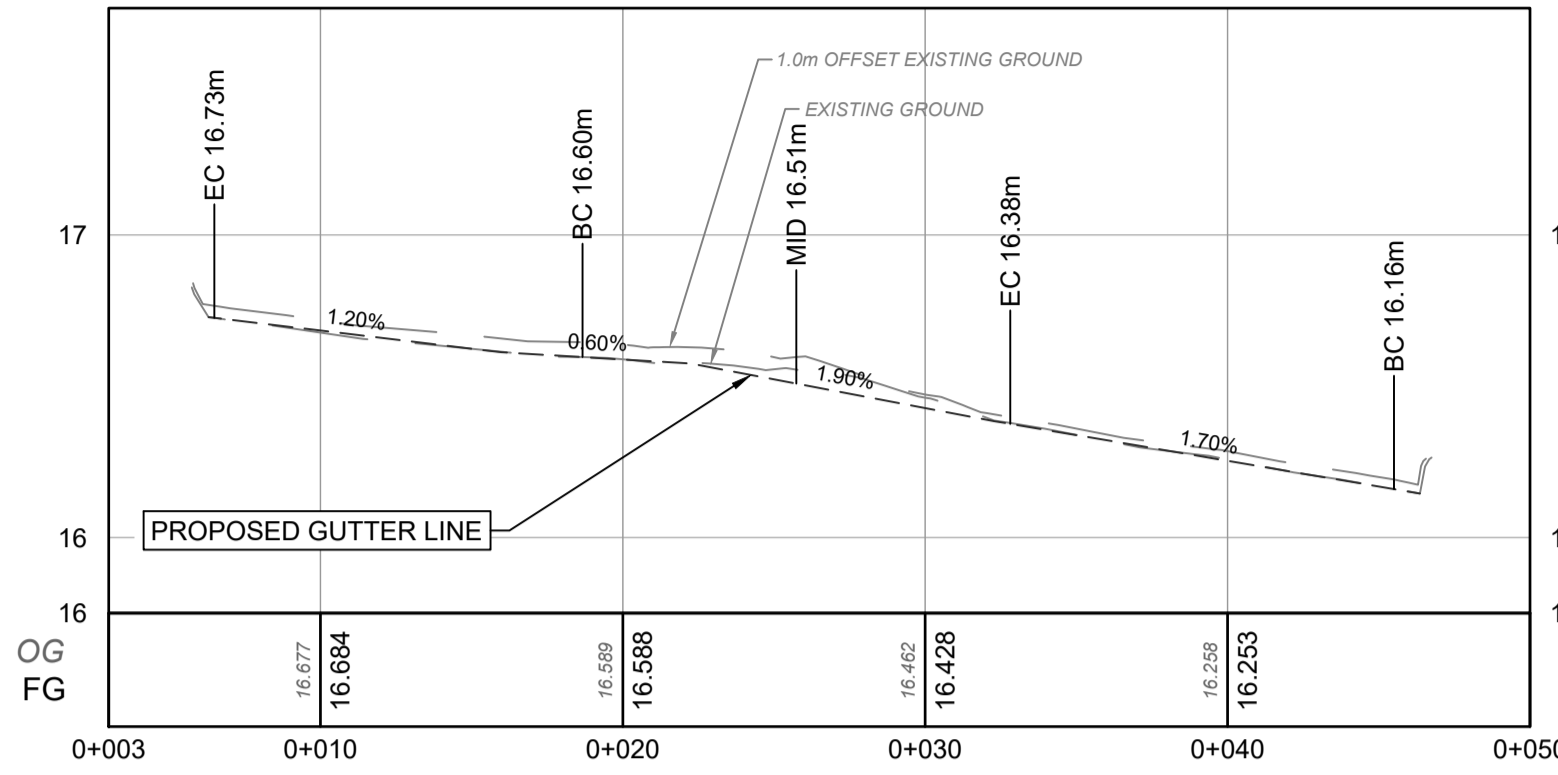
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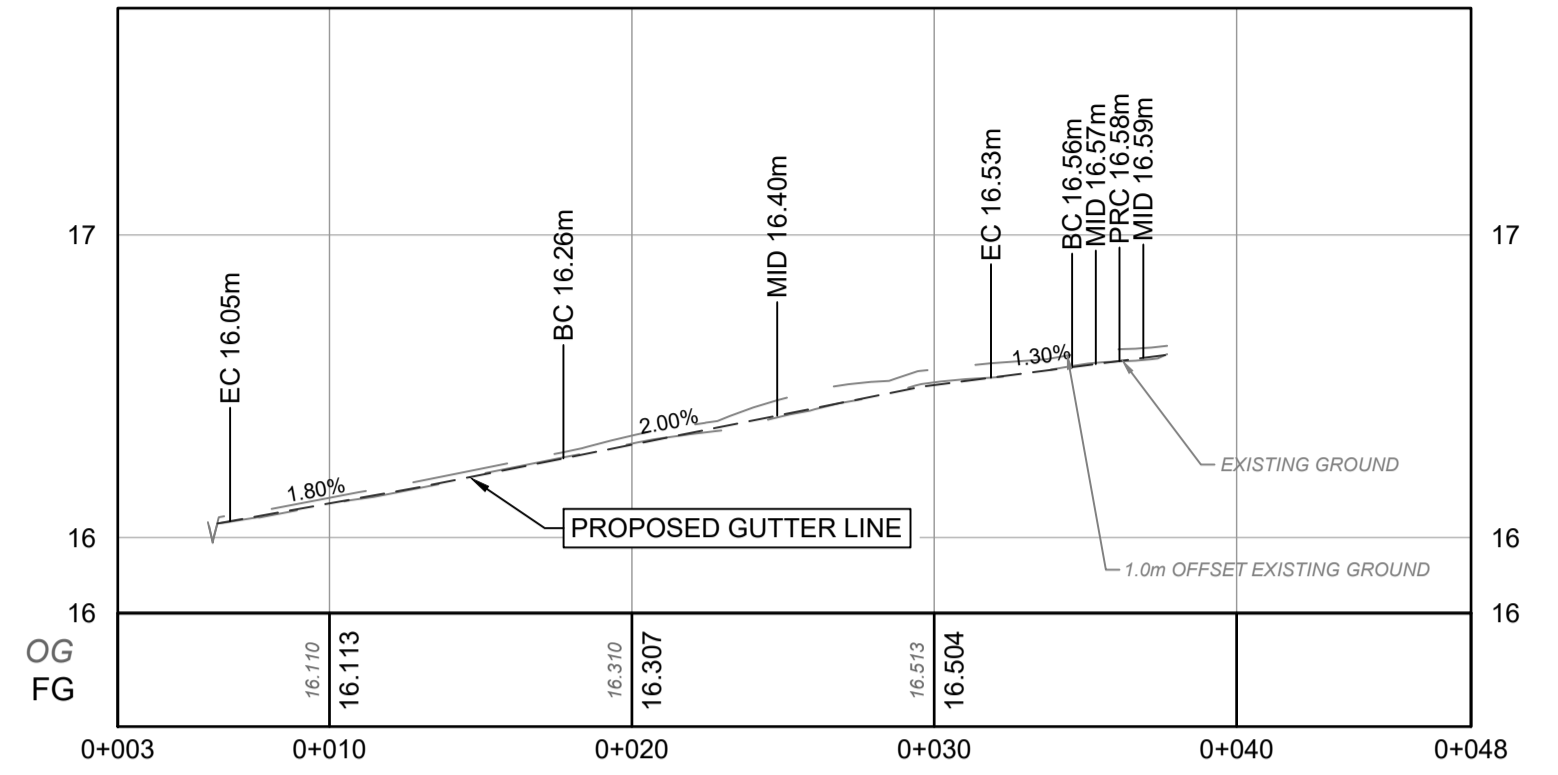
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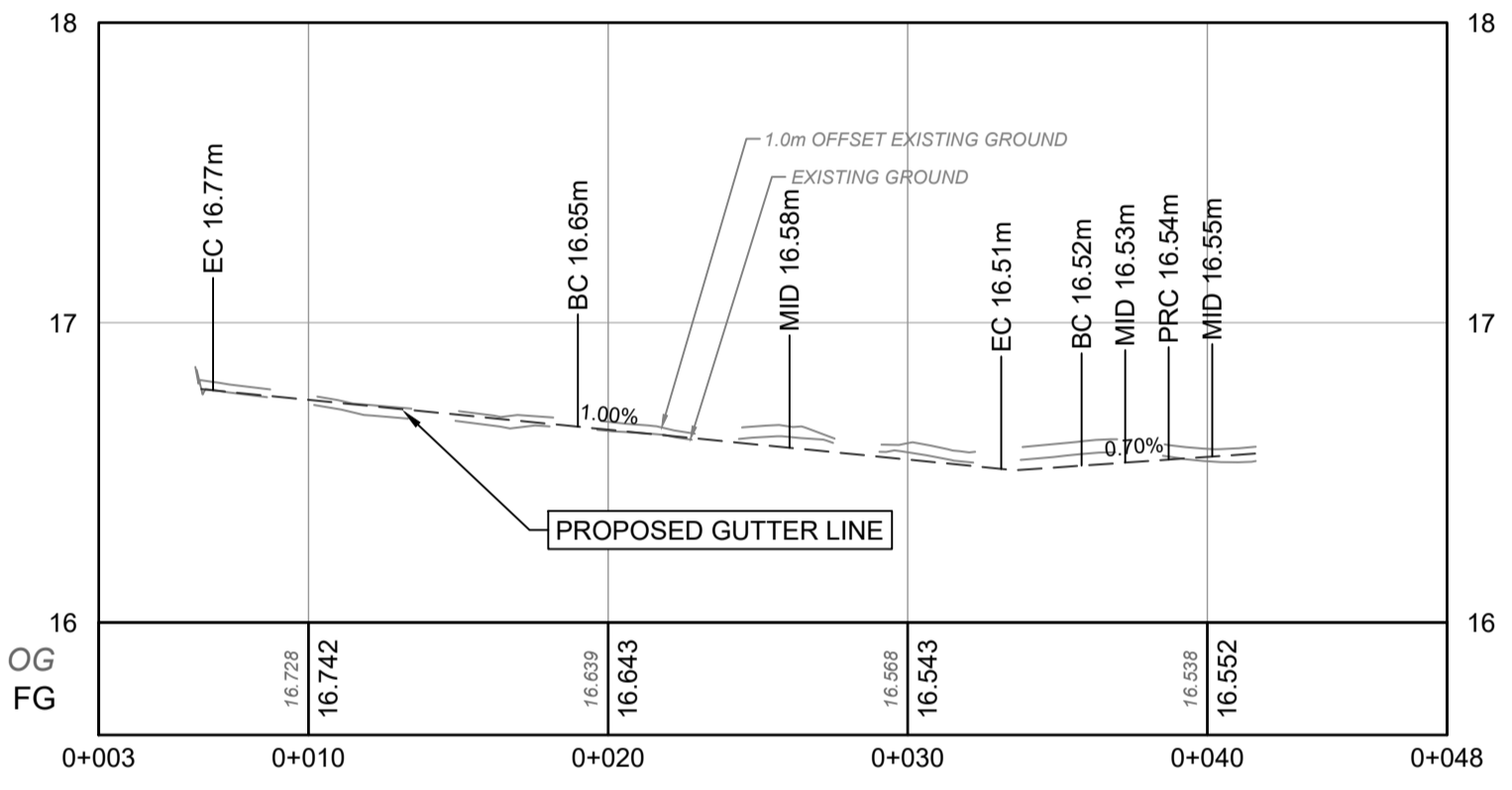
**LAMPSON-LYALL NE CURB RETURN PROFILE**  
 SCALE 1:250H / 1:25V



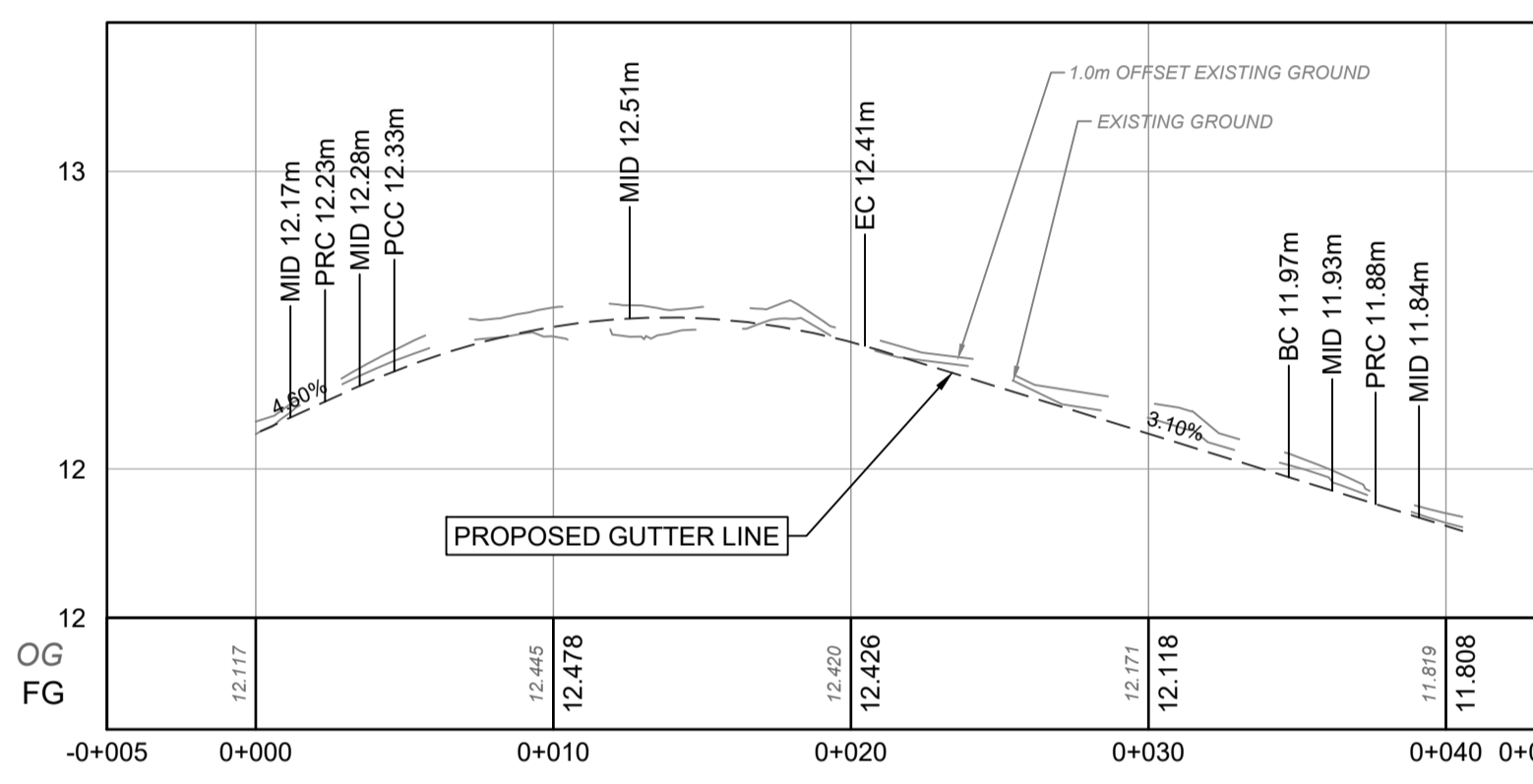
**LAMPSON-LYALL NW CURB RETURN PROFILE**  
 SCALE 1:250H / 1:25V



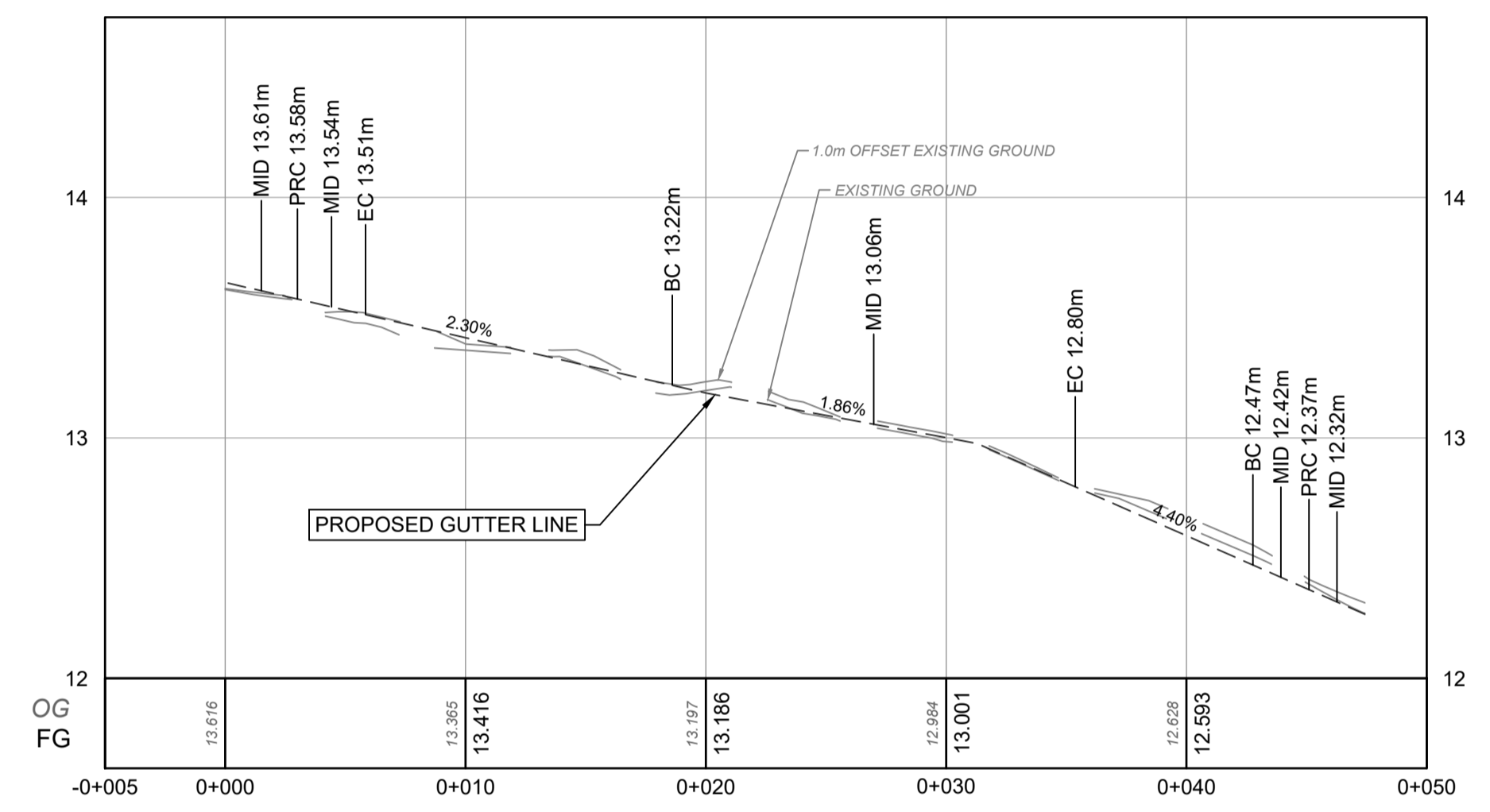
**LAMPSON-LYALL SE CURB RETURN PROFILE**  
 SCALE 1:250H / 1:25V



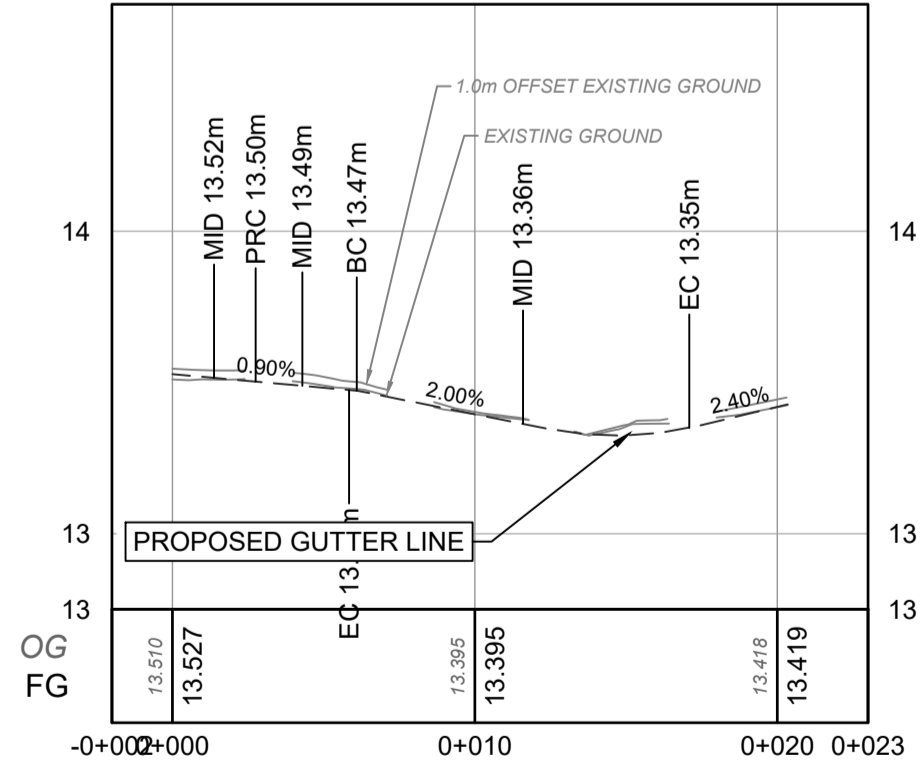
**LAMPSON-LYALL SW CURB RETURN PROFILE**  
 SCALE 1:250H / 1:25V



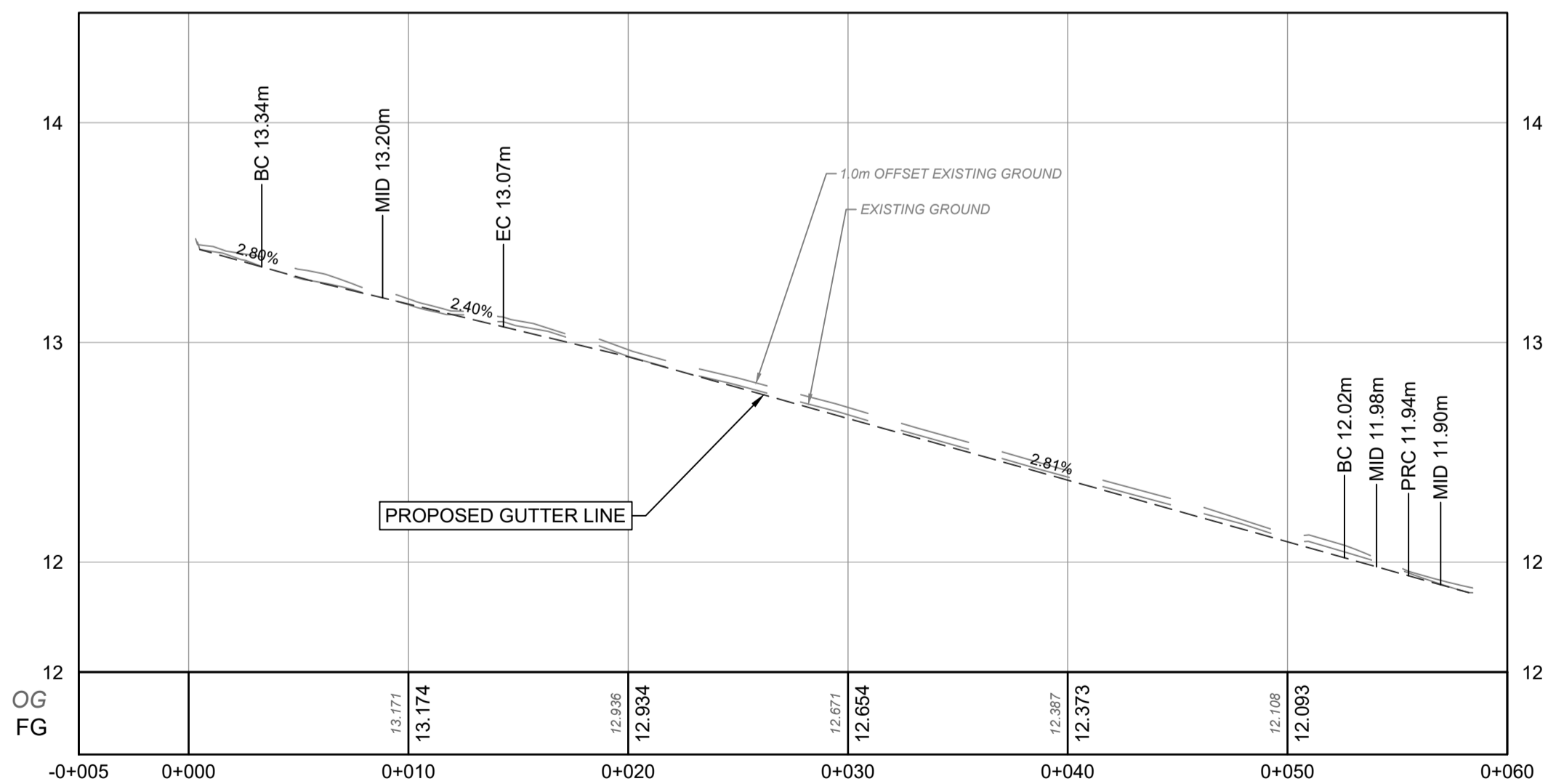
**PARADISE-LYALL NE CURB RETURN PROFILE**  
 SCALE 1:250H / 1:25V



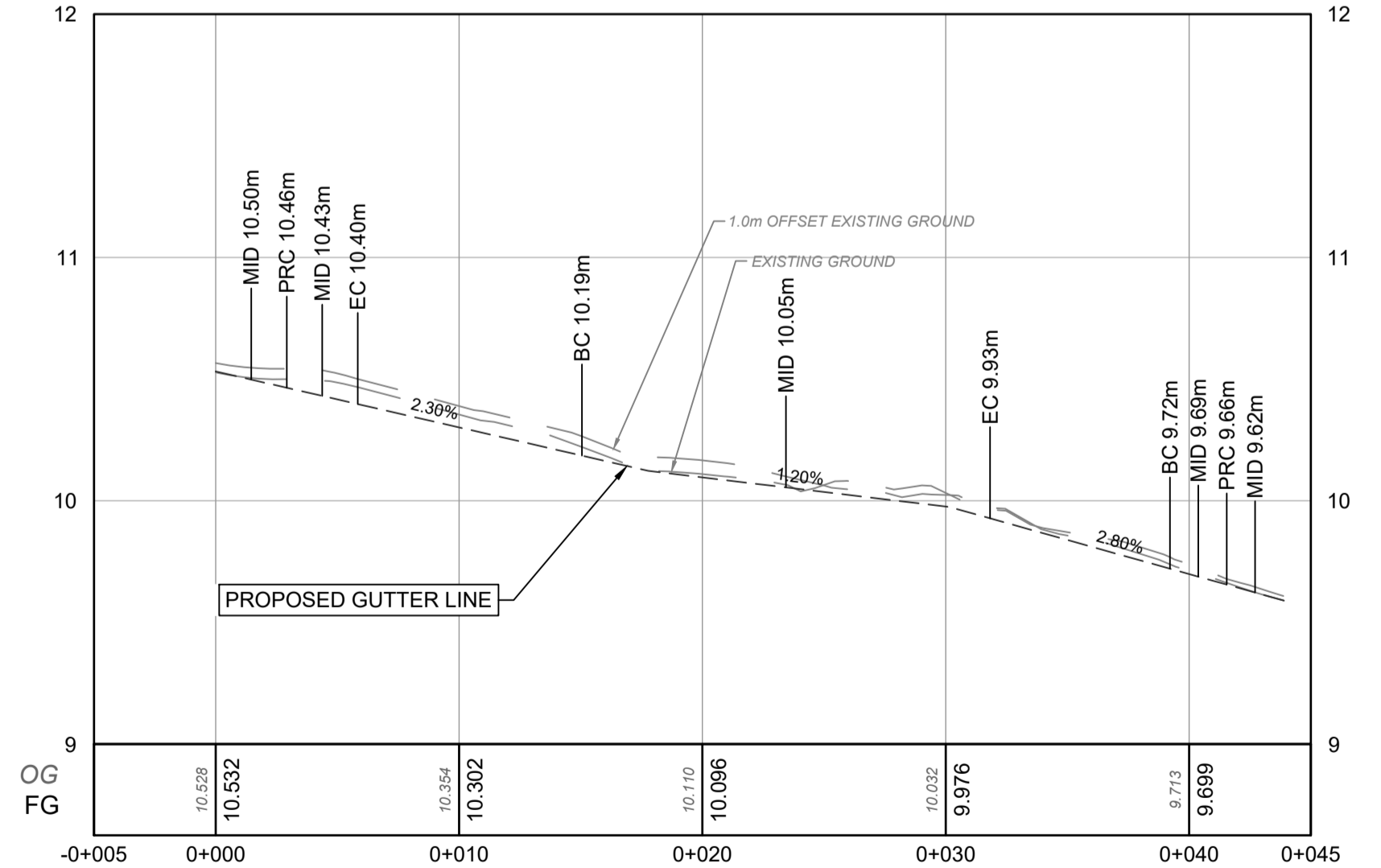
**PARADISE-LYALL NW CURB RETURN PROFILE**  
 SCALE 1:250H / 1:25V



**GAULT-LYALL SW CURB RETURN PROFILE**  
 SCALE 1:250H / 1:25V



**GAULT-LYALL SE CURB RETURN PROFILE**  
 SCALE 1:250H / 1:25V



**GAULT-LYALL NW CURB RETURN PROFILE**  
 SCALE 1:250H / 1:25V



File: G:\Projects\32000\32967\Drawings\01\_Sheets\287\_SH\_Plan\_PROJECT2.dwg

PLOT DATE: June 7, 2022

| REV NO | REVISIONS        | DATE   | DRAWN | APPRD |
|--------|------------------|--------|-------|-------|
| 0      | ISSUE FOR TENDER | 220601 | KF    | IM    |



**LYALL STREET SURFACE IMPROVEMENTS**  
 ROAD WORKS - UPGRADE PROFILE VIEW

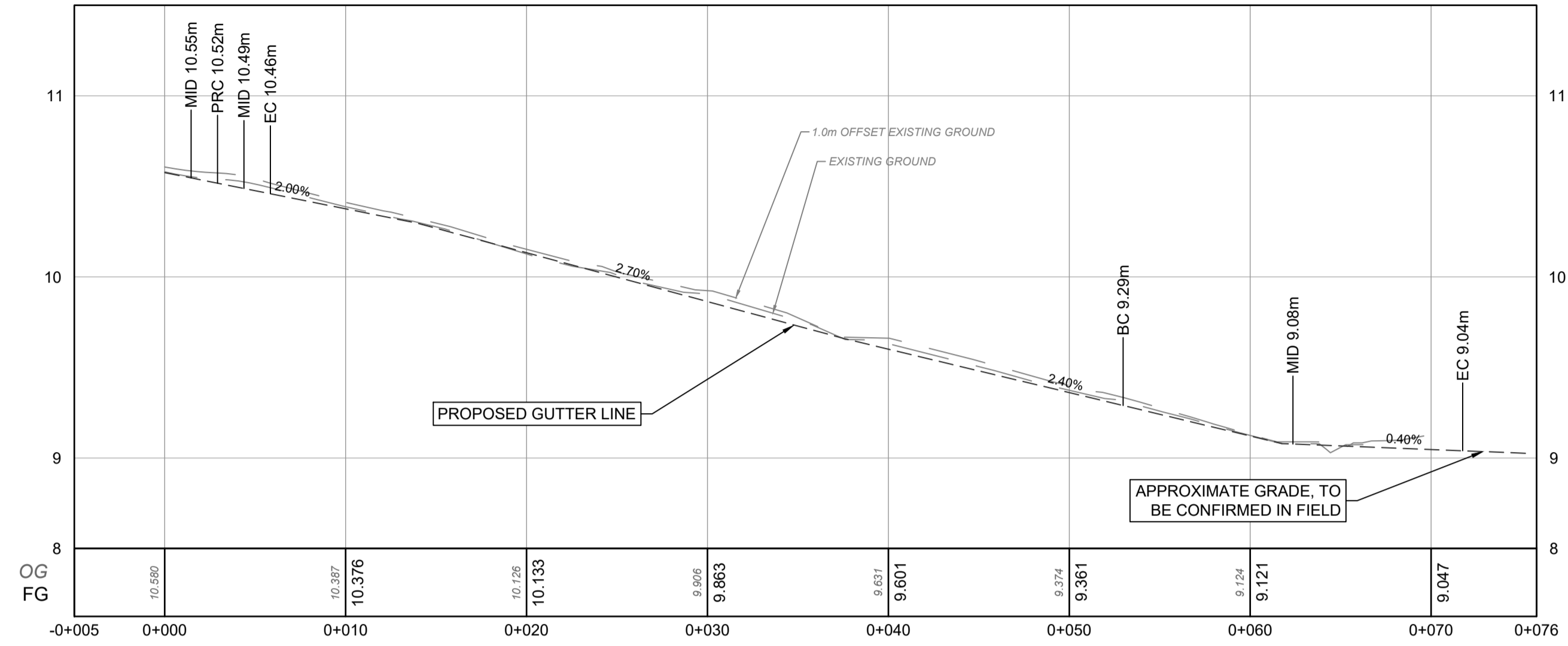


|                  |           |               |           |              |   |
|------------------|-----------|---------------|-----------|--------------|---|
| ISSUE FOR TENDER |           | DESIGN NO.    |           | <b>32967</b> | DWG. NO.<br><b>07</b><br>OF<br><b>09</b><br>REV. <b>0</b> |
| SCALE            | JUNE 2022 | CREATION DATE | JUNE 2022 |              |   |
| DRAWN BY         | KF        | DESIGN BY     | BJO       |              |   |
| CHECKED BY       | BJO       | APPROVED BY   | IM        |              |   |

DESTROY ALL PRINTS BEARING PREVIOUS NO.



**DISCLAIMER:**  
 LOCATION OF UTILITIES SHOWN ARE APPROXIMATE ONLY AND SHOULD BE CONFIRMED BY FIELD SURVEY AND BY USE OF A PIPE LOCATOR AND MANUAL DIGGING WHERE REQUIRED. EXISTING SERVICE LOCATIONS ARE SHOWN TO INDICATE THE EXISTENCE OF THE SPECIFIED SERVICE ONLY AND ARE NOT NECESSARILY COMPLETE OR SHOWN IN THE CORRECT LOCATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE, VERIFY THE INVERT ELEVATIONS BY HAND EXCAVATION BEFORE CONSTRUCTION OF THE UTILITY CROSSING AND SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION FROM DAMAGE AT CONTRACTOR'S COST



**GORE-LYALL-PETERS SOUTH CURB RETURN PROFILE**

SCALE 1:250H / 1:25V



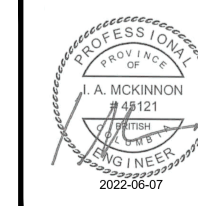
**32967**

PLOT DATE: June 7, 2022

| REV NO | REVISIONS        | DATE   | DRAWN | APPR'D |
|--------|------------------|--------|-------|--------|
| 0      | ISSUE FOR TENDER | 220601 | KF    | IM     |



**LYALL STREET SURFACE IMPROVEMENTS**  
 ROAD WORKS - UPGRADE PROFILE VIEW 2



1620 Cook St, Victoria, BC V8T 3P1  
 T: (250)361-3230 F: (604)629-5756

ISSUE FOR TENDER DESIGN NO.

| SCALE      | ---- | CREATION DATE | JUNE 2022 | DWG. NO. |
|------------|------|---------------|-----------|----------|
| DRAWN BY   | KF   | DESIGN BY     | BJO       | 08       |
| CHECKED BY | BJO  | APPROVED BY   | IM        | 09       |
|            |      |               |           | REV. 0   |

DESTROY ALL PRINTS BEARING PREVIOUS NO.

File: G:\Projects\32000\32967\01\2287\_TOE\_Sidewalk\_Street\_Surf\_Improvmnt02\_CADD\20\_Drafting\201\_Sheets\2287\_SH\_PLAN\_PROJECT2\_2.dwg







# TOWNSHIP OF ESQUIMALT

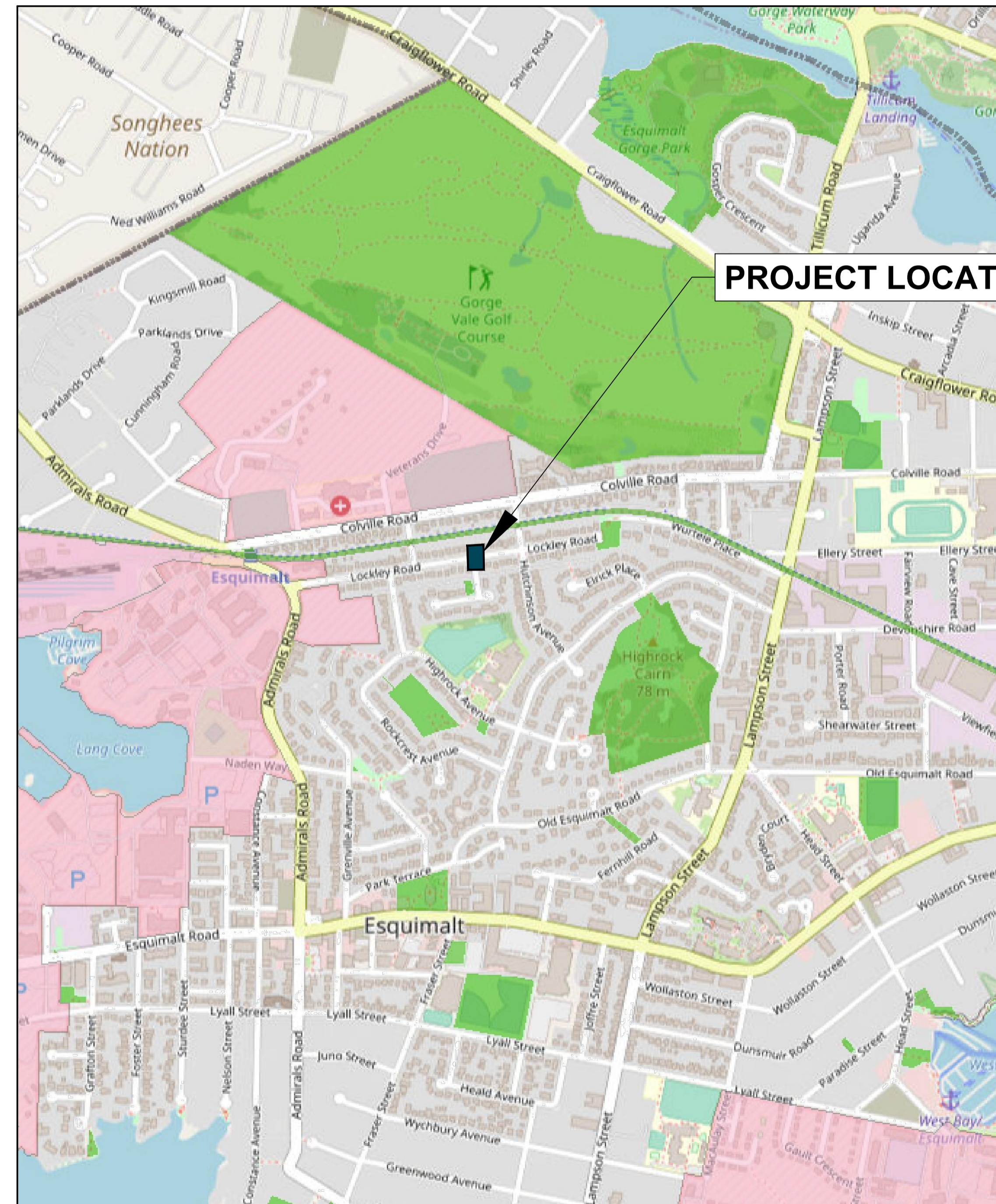
## SIDEWALK IMPROVEMENTS LOCKLEY RD AND LUNGRIN PL

CONTRACT: ENG-22-01

ISSUE FOR TENDER

JUNE 2022

| DRAWING INDEX |               |
|---------------|---------------|
| SHEET         | TITLE         |
| 00            | COVER SHEET   |
| 01            | GENERAL NOTES |
| 02            | PLAN          |
| 03            | GRADING       |
| 04            | DETAILS       |



PROJECT LOCATION

LOCATION PLAN



1620 Cook St, Victoria, BC V8T 3P1  
T: (250)361-3230 F: (604)629-5756



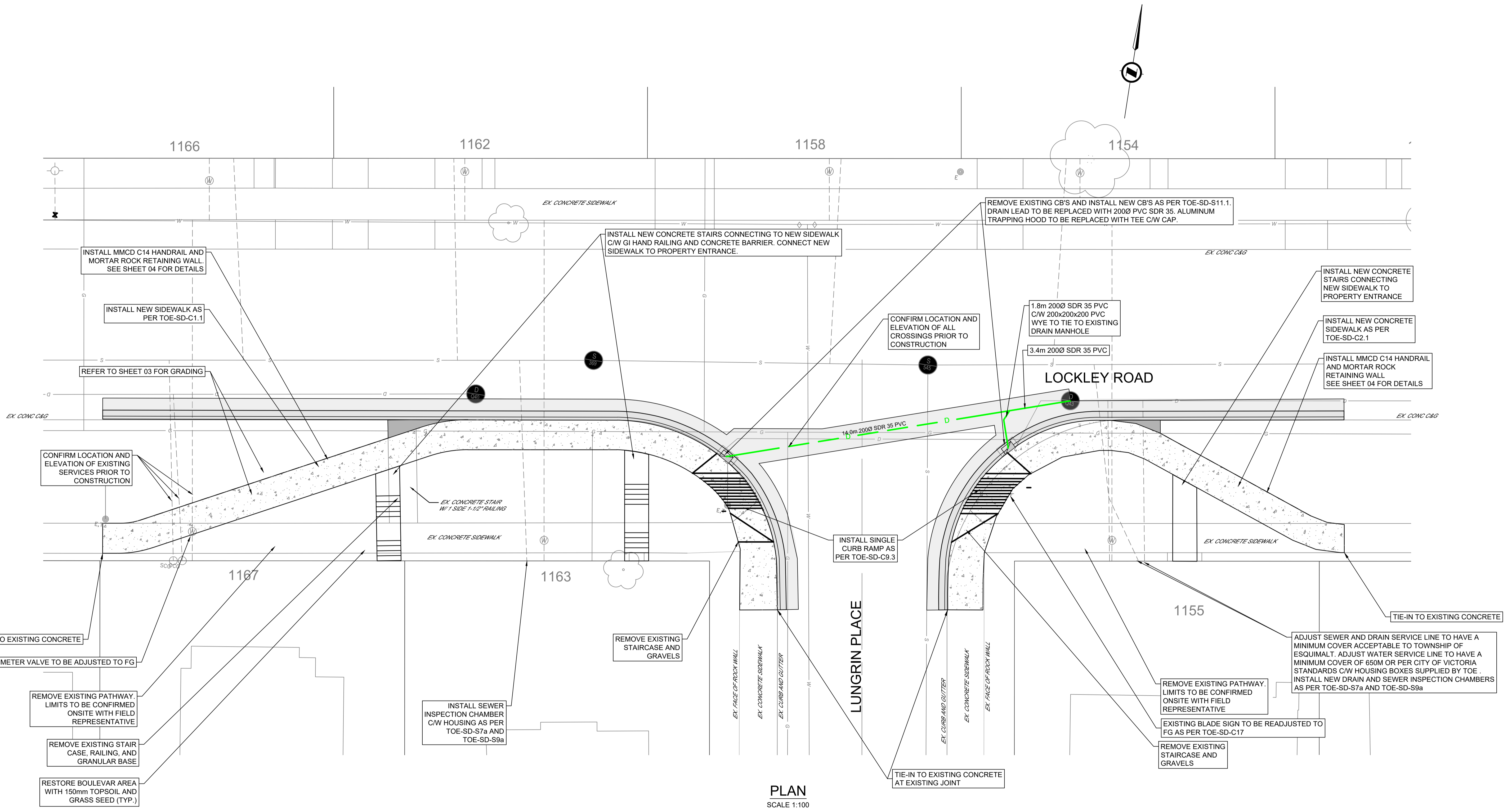
32967

REV. 0









PLAN  
SCALE 1:100

File: C:\Projects\3200\3200\3200\32967\_TOE\_Sidewalk\_Street\_Site\_Improvement\02\_CADD\02\_Drawing\02\_Sheet\32967\_SH\_PLAN\_PROJECT.dwg

PLOT DATE: June 3, 2022

| REV NO | REVISIONS        | DATE   | DRAWN | APPR'D |
|--------|------------------|--------|-------|--------|
| 0      | ISSUE FOR TENDER | 220601 | KF    | IM     |
|        |                  |        |       |        |
|        |                  |        |       |        |
|        |                  |        |       |        |

## LOCKLEY AND LUNGRIN SIDEWALK IMPROVEMENTS

### ROAD WORKS - PLAN



ISSUE FOR TENDER DESIGN NO.

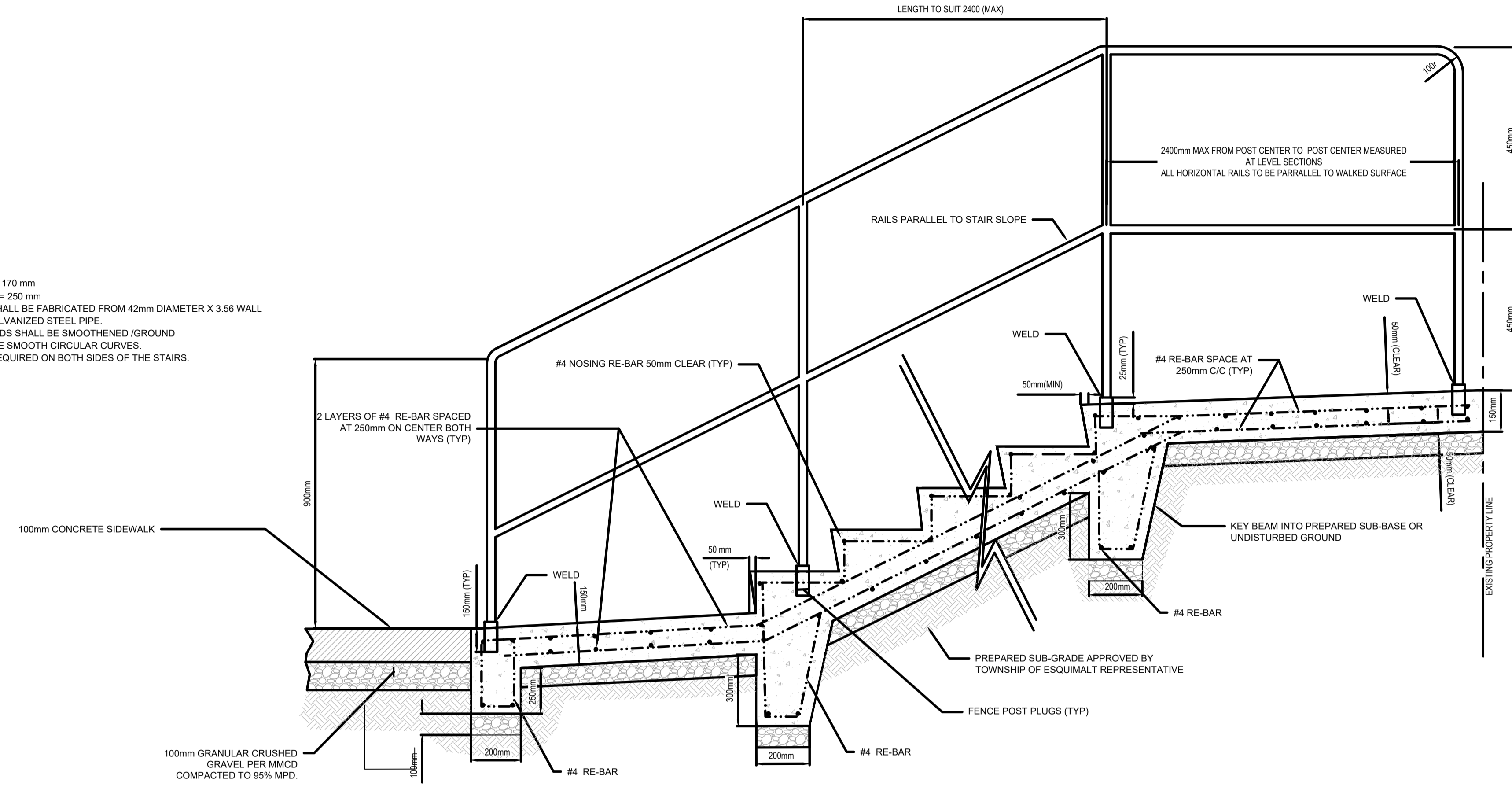
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| CHECKED BY | BJO   | APPROVED BY   | IM     | REV. 0   |

# 32967



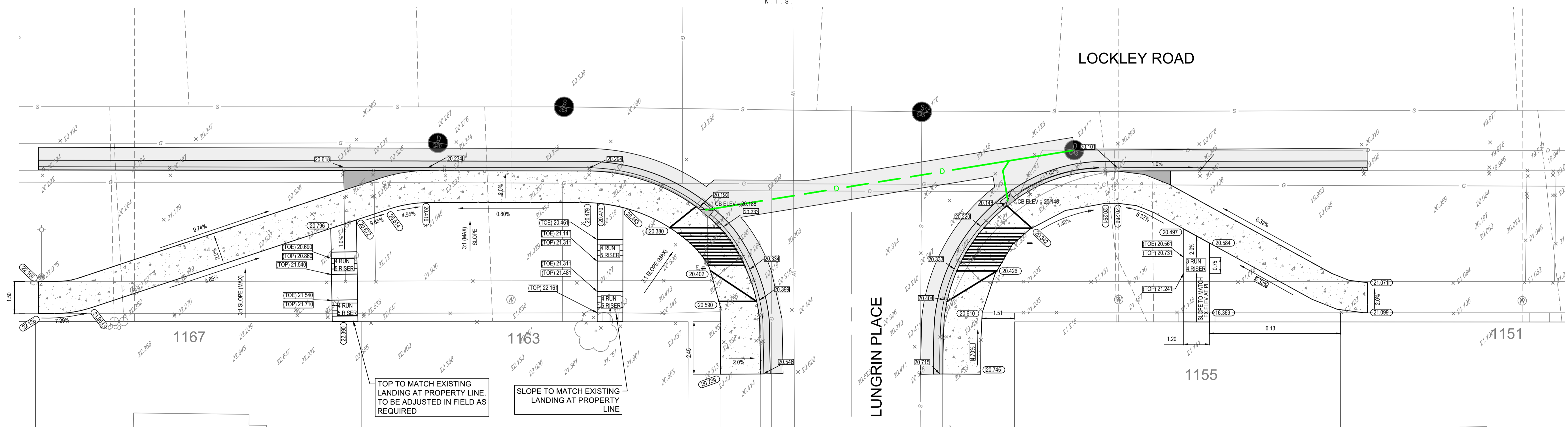
**NOTES:**

- 1.0 STAIRS RISE = 170 mm  
 RUN = 250 mm
- 2.0 HAND RAILS SHALL BE FABRICATED FROM 42mm DIAMETER X 3.56 WALL  
 STANDARD GALVANIZED STEEL PIPE.
- 3.0 ALL FIELD WELDS SHALL BE SMOOTHENED /GROUND
- 4.0 ALL BENDS ARE SMOOTH CIRCULAR CURVES.
- 5.0 HAND RAILS REQUIRED ON BOTH SIDES OF THE STAIRS.



**LEGEND:**

- + (16.369) PROPOSED SPOT ELEVATION
- 6.155 PROPOSED GUTTER ELEVATION
- x 16.200 EXISTING GROUND ELEVATION
- STAIR RUN = 250mm
- STAIR RISE = 175mm

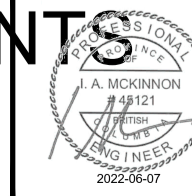


C:\Projects\32967\32967\_01\32967\_01\_SideWalk\_Street\_Site\_Improvement\02\_CADD\02\_Drawing\01\_SH\_PLAN\_PROJECTS.dwg

PLOT DATE: June 3, 2022

| REV NO | REVISIONS        | DATE   | DRAWN | APPR'D |
|--------|------------------|--------|-------|--------|
| 0      | ISSUE FOR TENDER | 220601 | KF    | IM     |
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**LOCKLEY AND LUNGRIN SIDEWALK IMPROVEMENTS**  
 ROAD WORKS - GRADING



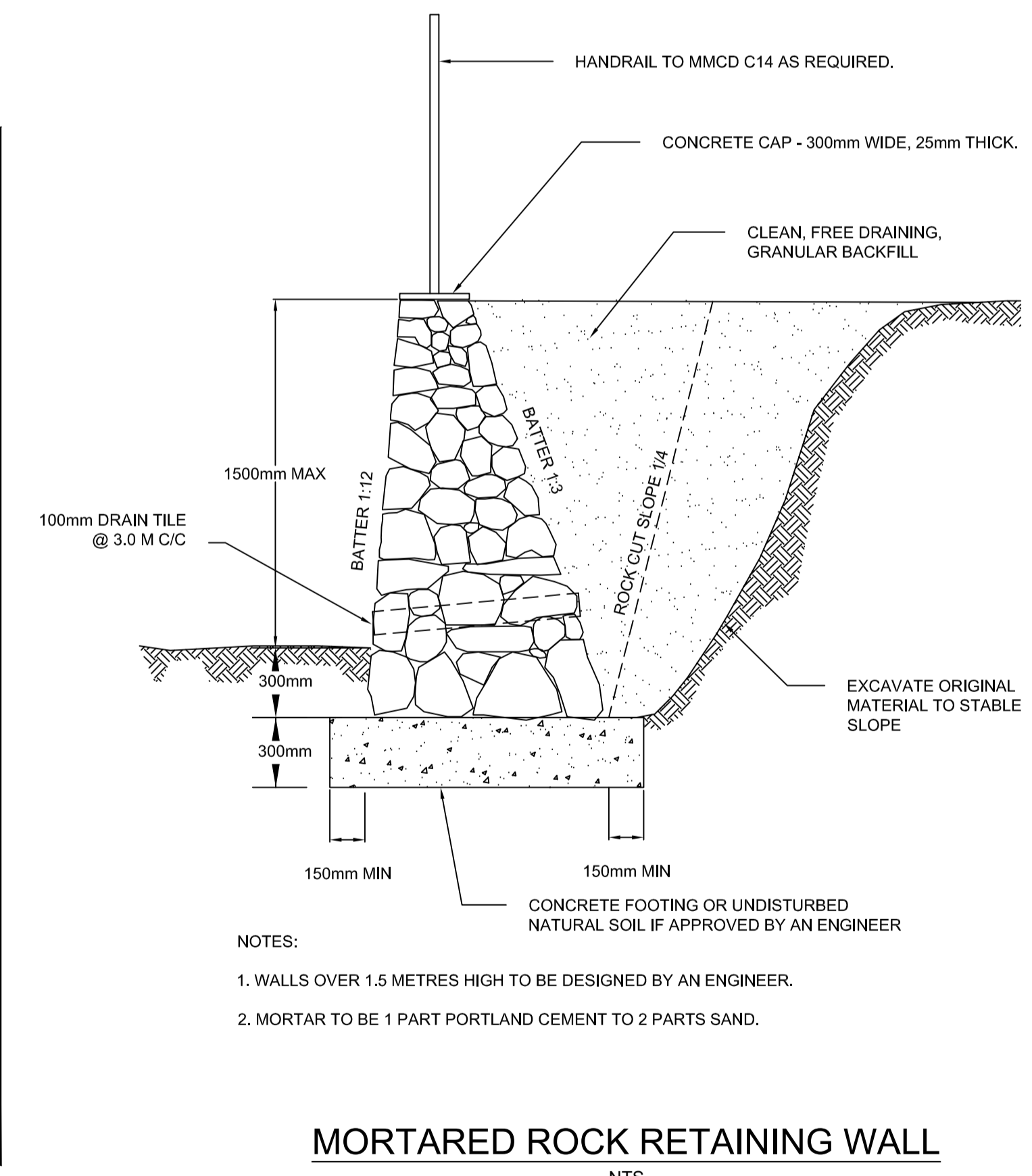
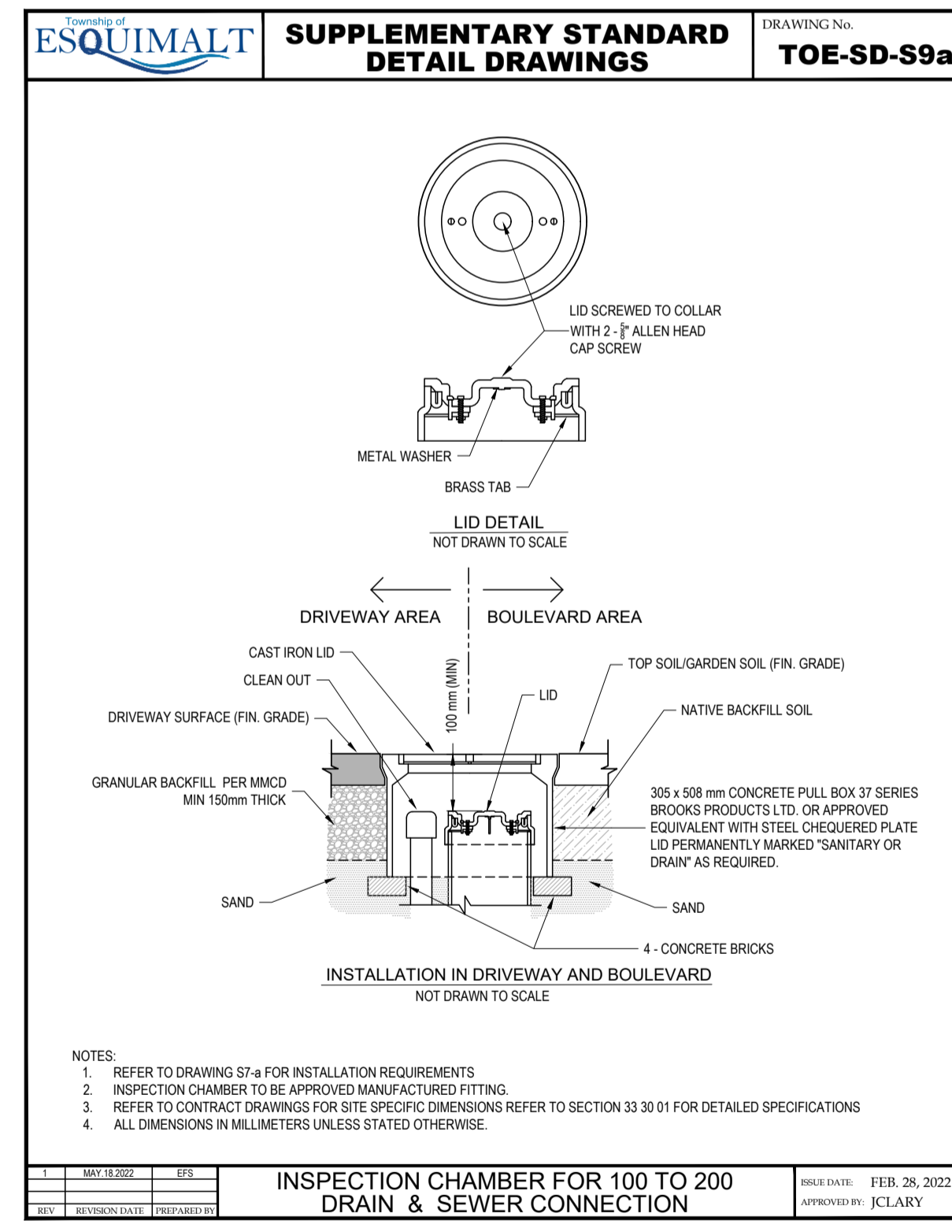
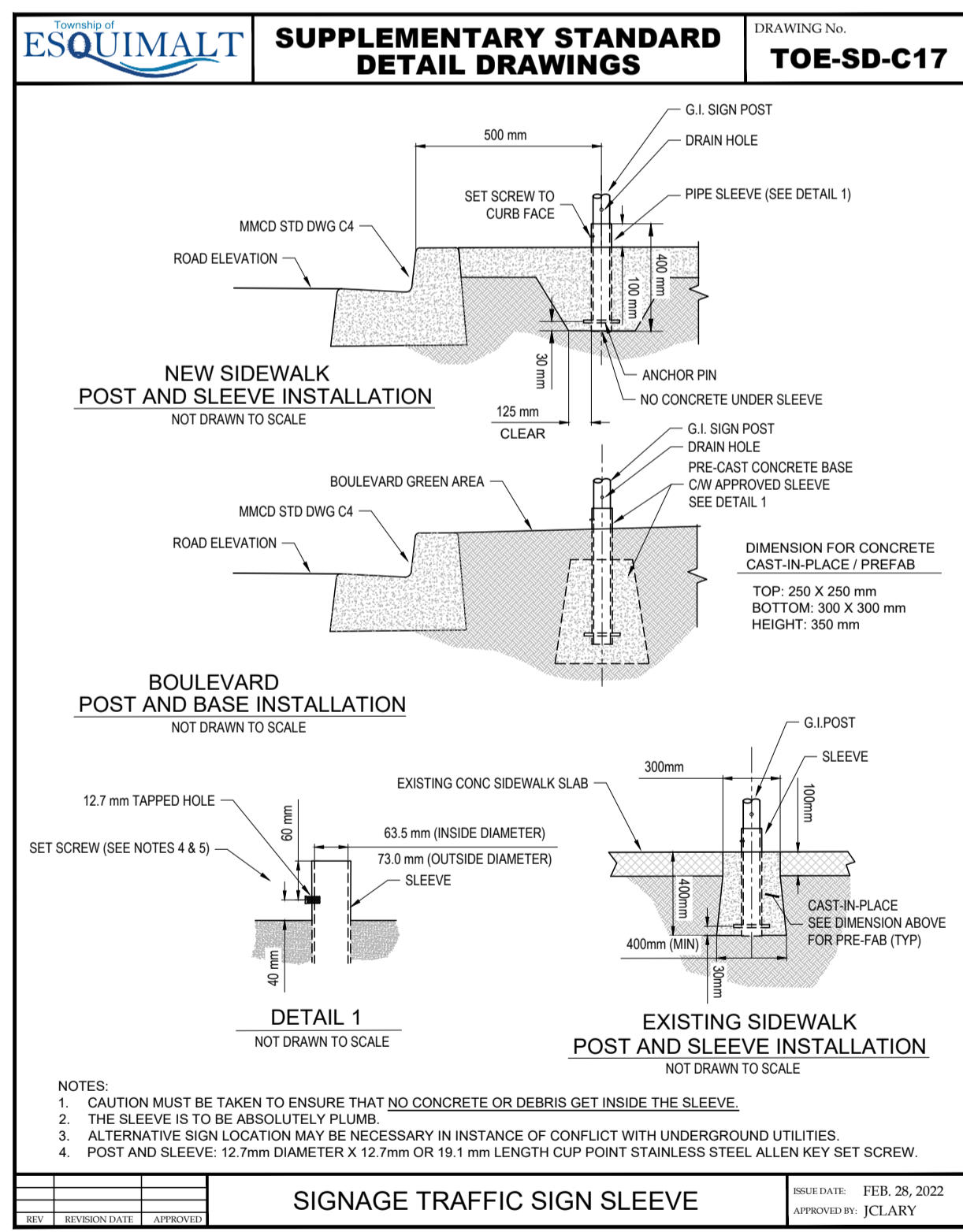
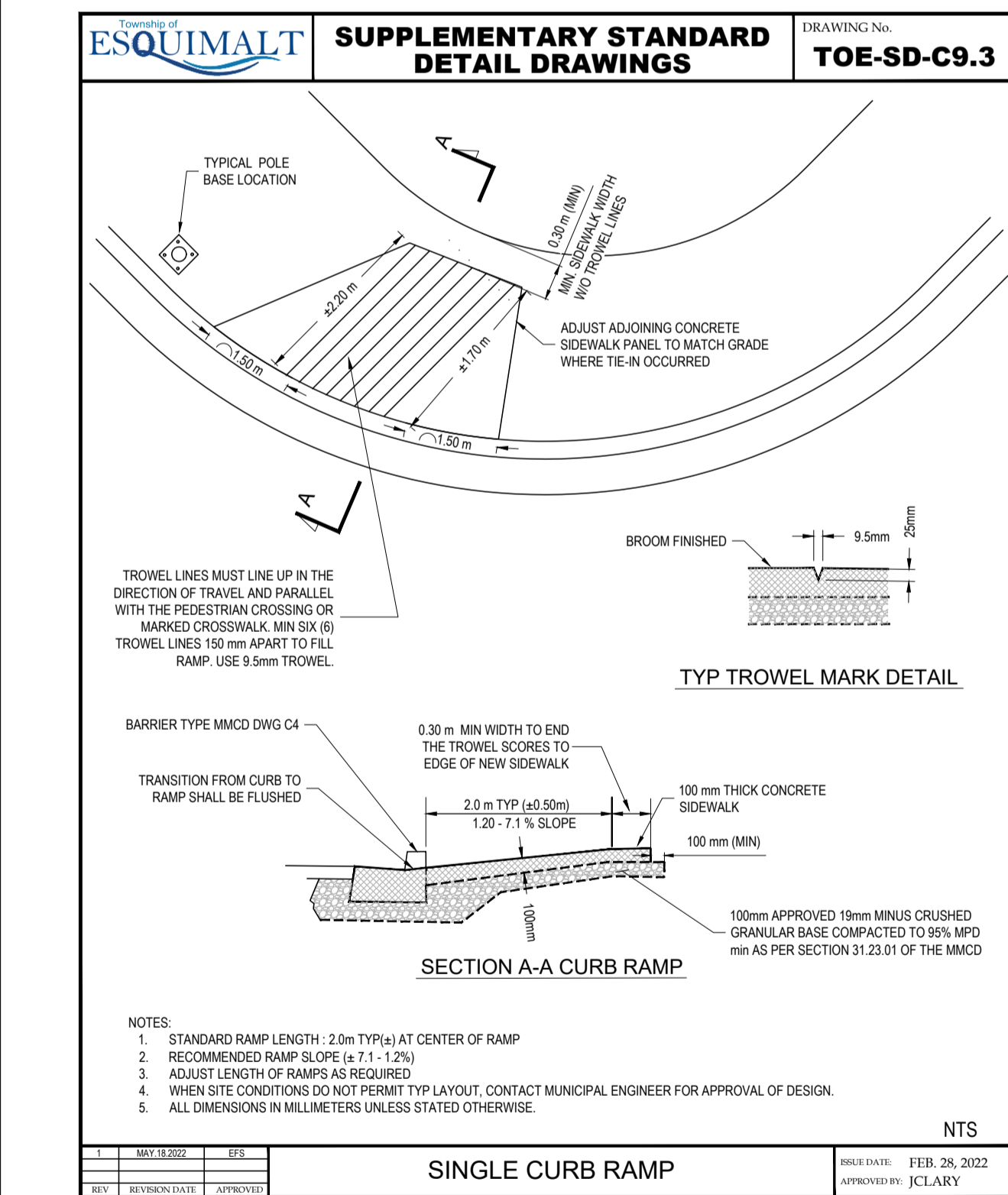
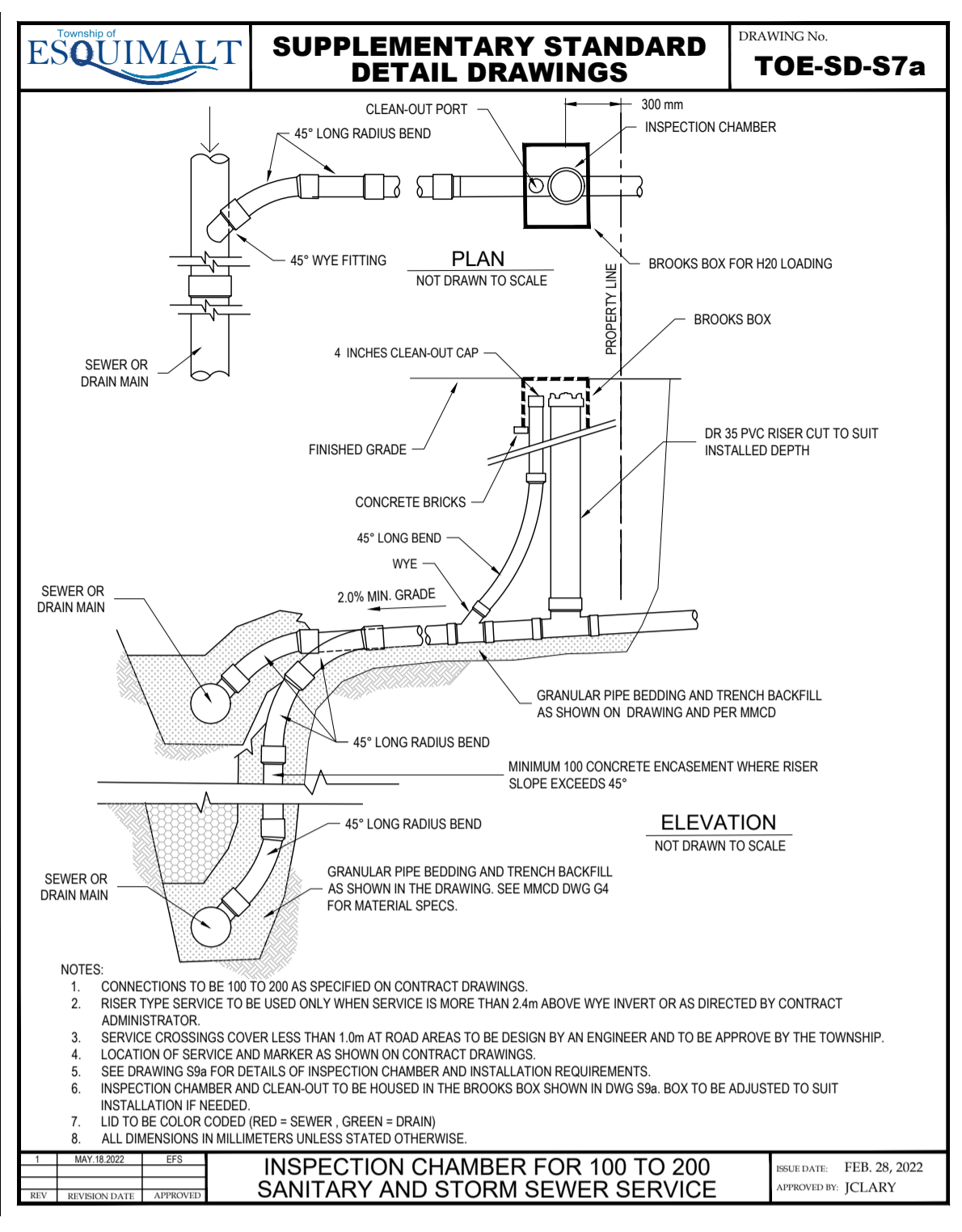
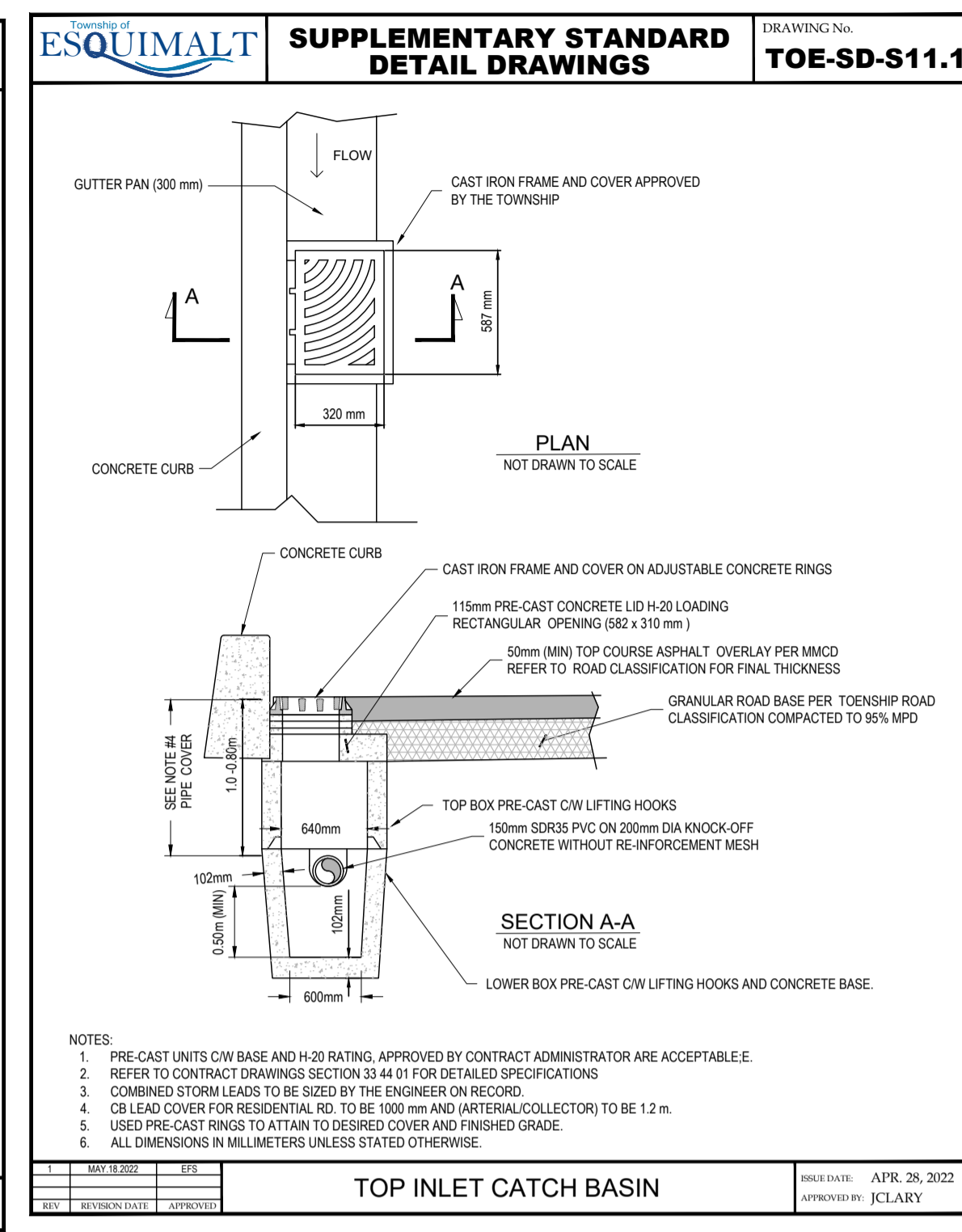
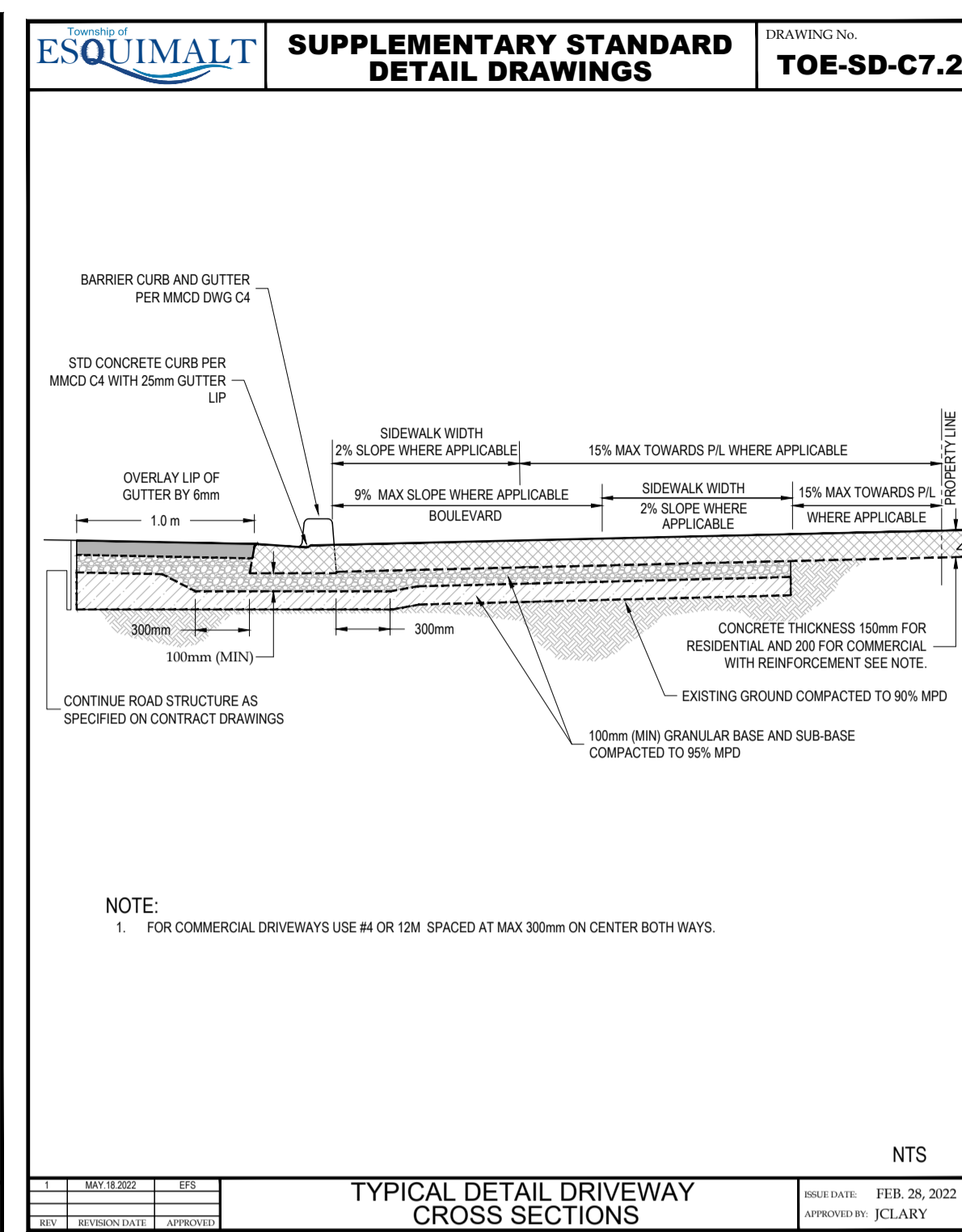
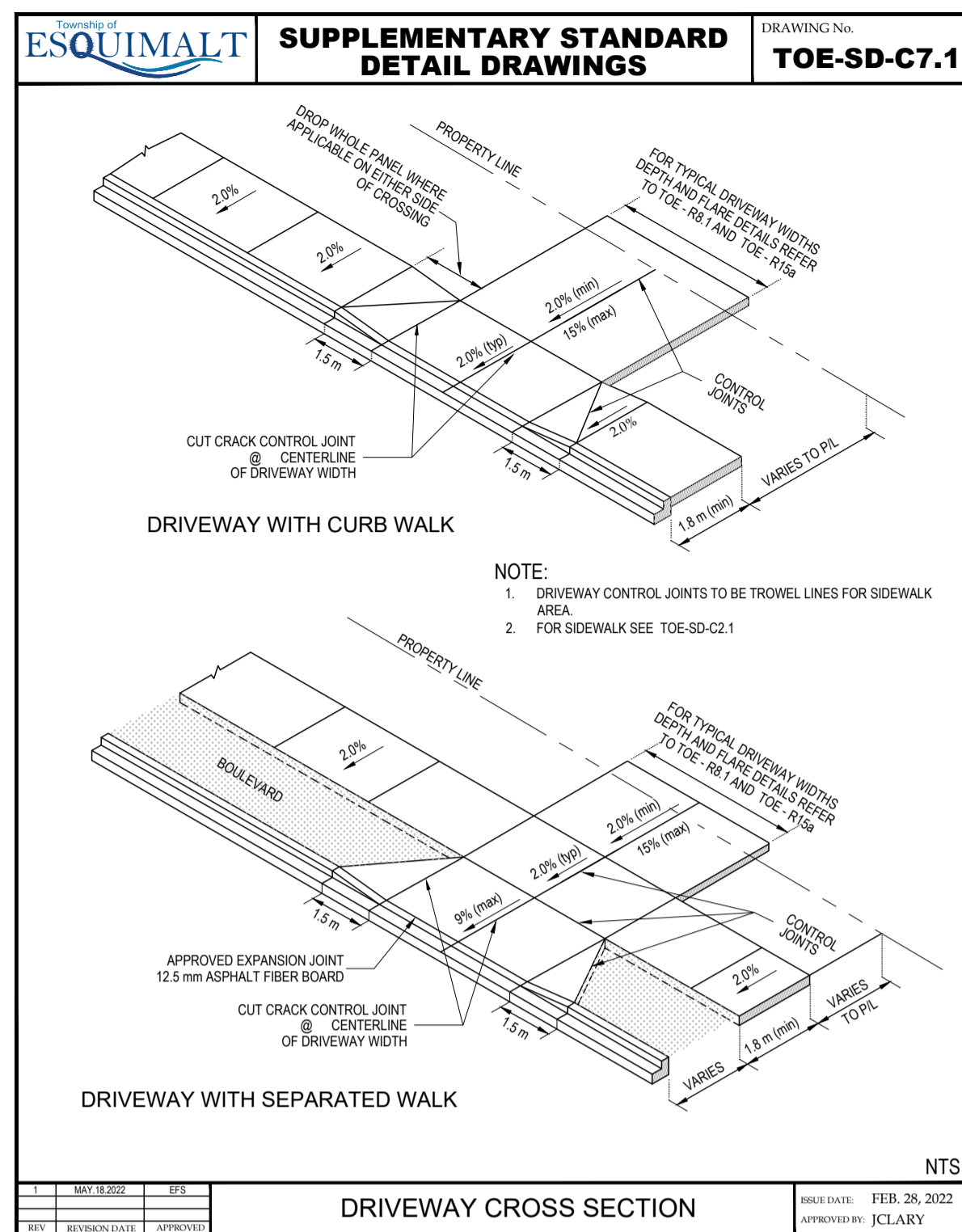
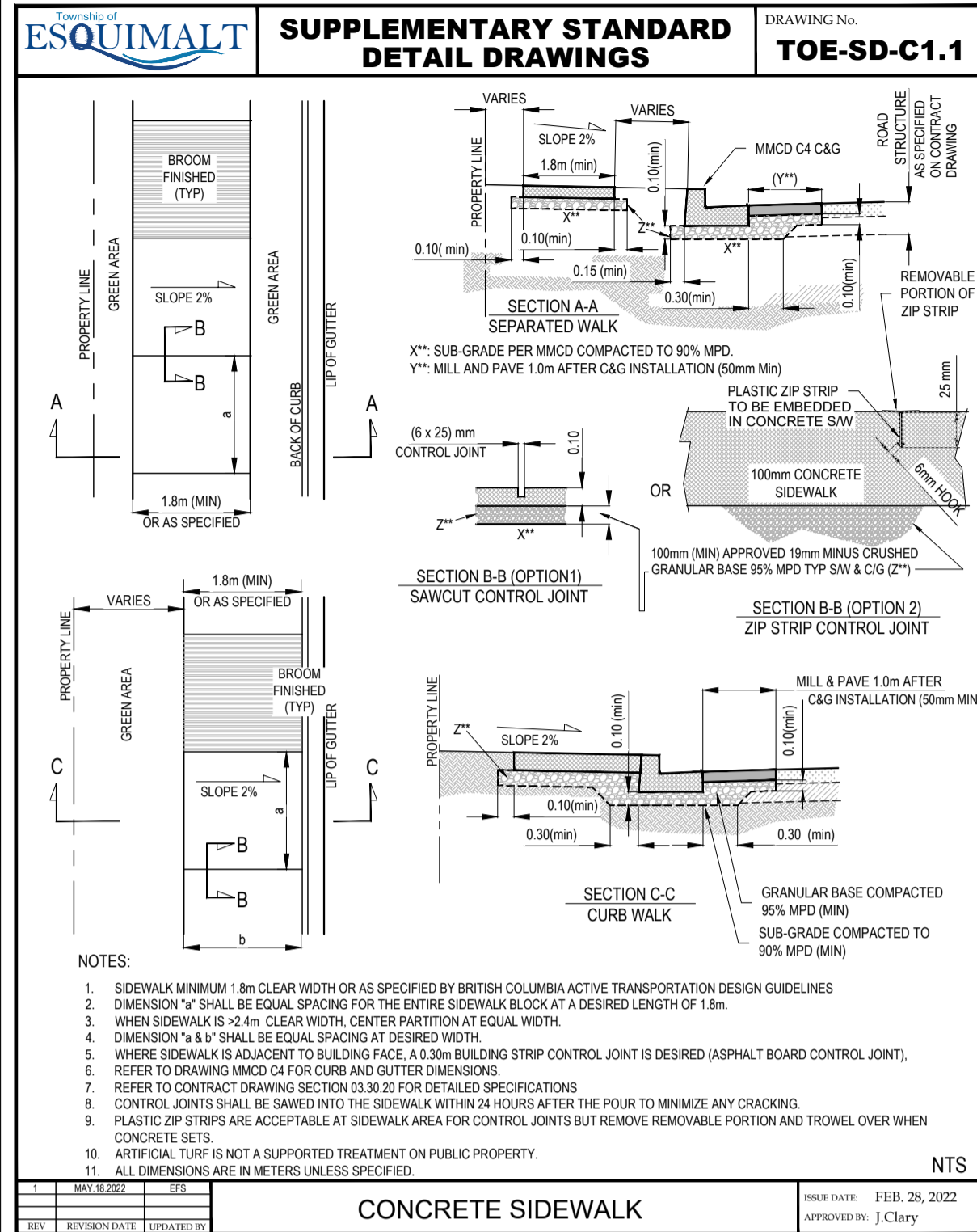
1620 Cook St, Victoria, BC V8T 3P1  
 T: (250)981-3320 F: (250)469-5756

ISSUE FOR TENDER DESIGN NO.

**32967**

| SCALE      | AS SHOWN | CREATION DATE | 220601 | DWG. NO. |
|------------|----------|---------------|--------|----------|
| DRAWN BY   | KF       | DESIGN BY     | KF     | 03       |
| CHECKED BY | BJO      | APPROVED BY   | IM     | 04       |
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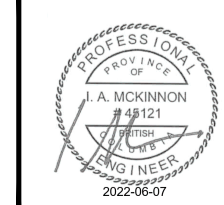




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PLOT DATE: June 2, 2022

| REV NO | REVISIONS        | DATE   | DRAWN | APPR'D |
|--------|------------------|--------|-------|--------|
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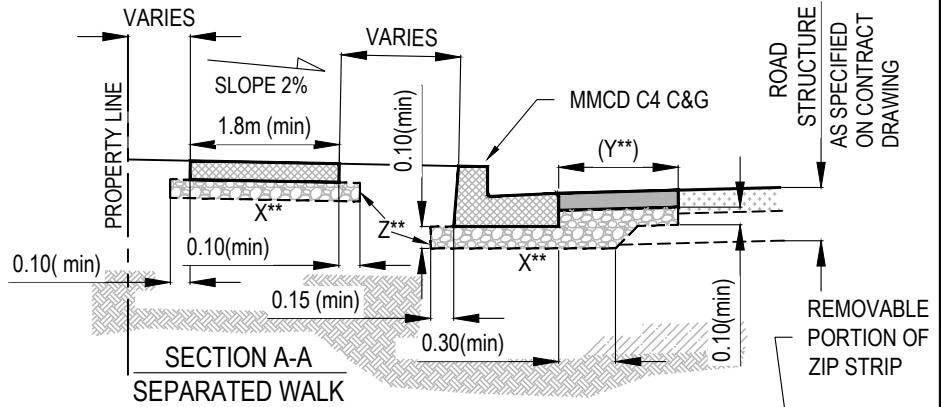
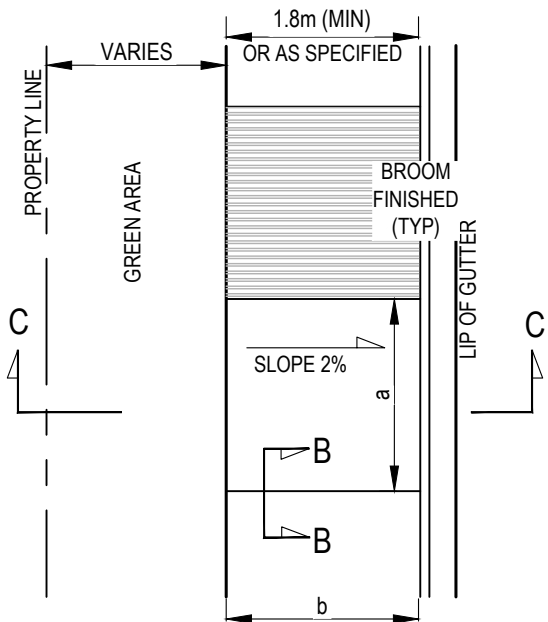
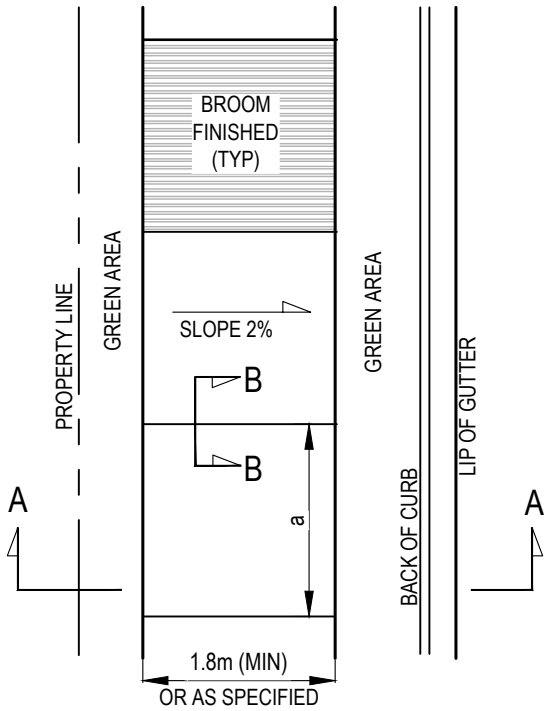


#201, 3999 Hemming Drive, Burnaby, B.C. V5C 6P9  
T: (604)290-3096 F: (604)290-3098

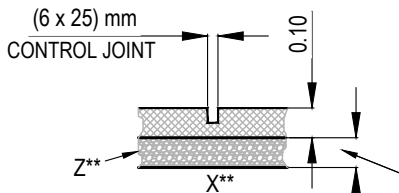
ISSUE FOR TENDER DESIGN NO. 32967

| SCALE      | AS SHOWN | CREATION DATE | 220601 | DWG. NO. |
|------------|----------|---------------|--------|----------|
| DRAWN BY   | KF       | DESIGN BY     | KF     | 04 OF 04 |
| CHECKED BY | BJO      | APPROVED BY   | IM     | REV. 0   |

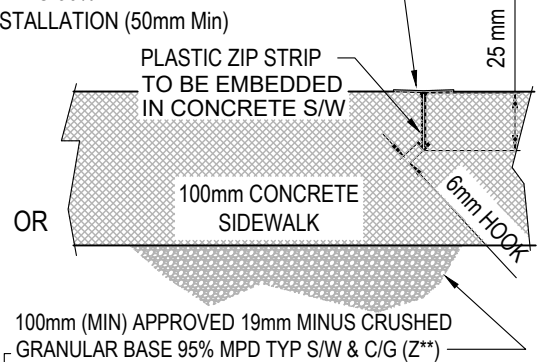




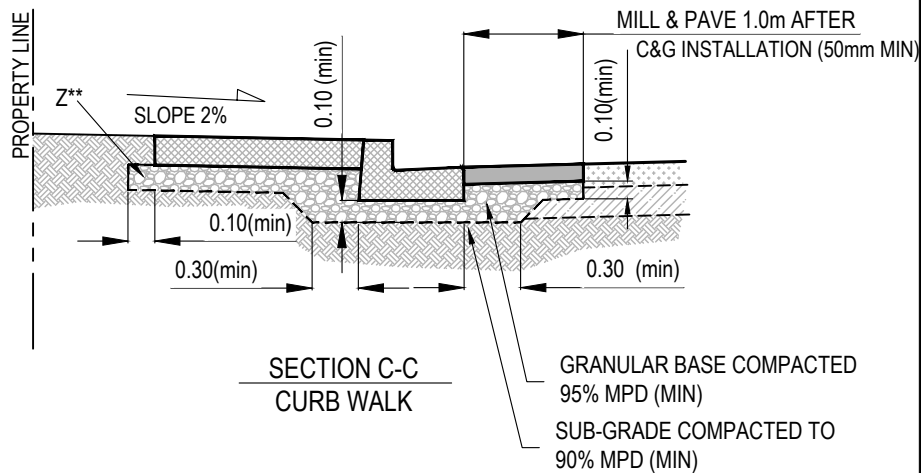
X\*\*: SUB-GRADE PER MMCD COMPACTED TO 90% MPD.  
Y\*\*: MILL AND PAVE 1.0m AFTER C&G INSTALLATION (50mm Min)



SECTION B-B (OPTION 1)  
SAWCUT CONTROL JOINT



SECTION B-B (OPTION 2)  
ZIP STRIP CONTROL JOINT



SECTION C-C  
CURB WALK

**NOTES:**

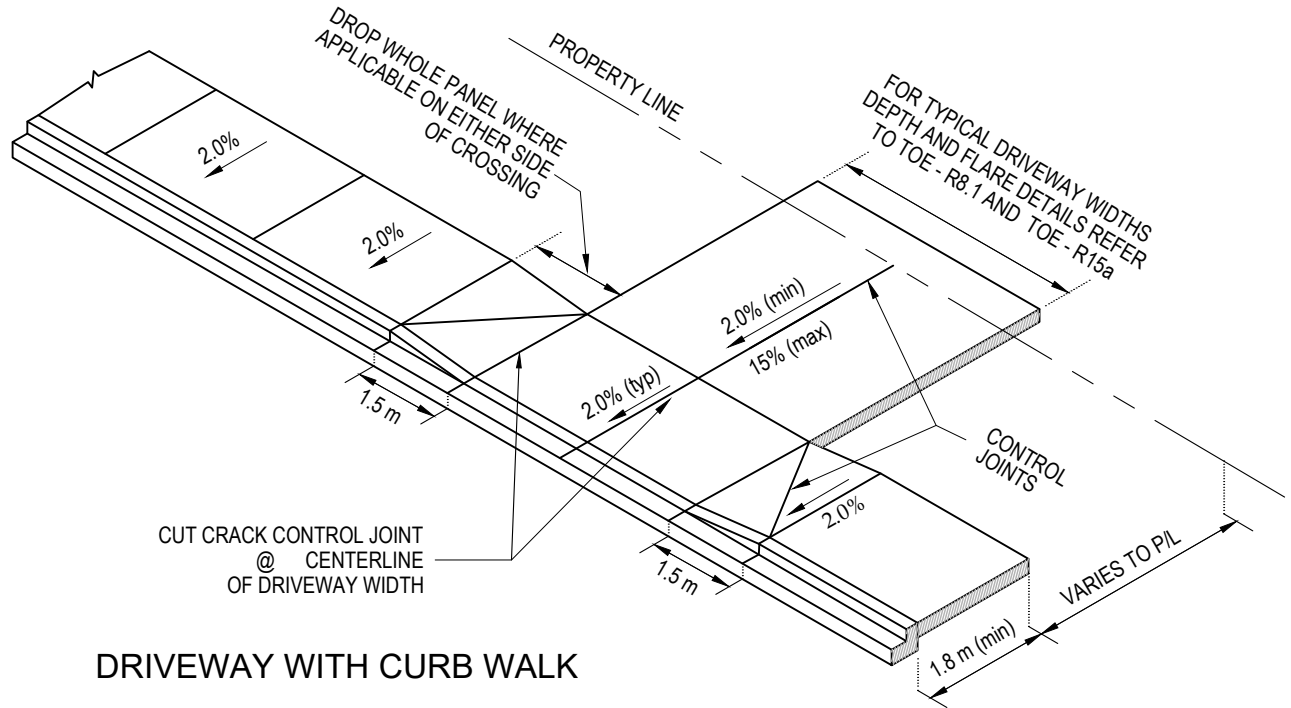
1. SIDEWALK MINIMUM 1.8m CLEAR WIDTH OR AS SPECIFIED BY BRITISH COLUMBIA ACTIVE TRANSPORTATION DESIGN GUIDELINES
2. DIMENSION "a" SHALL BE EQUAL SPACING FOR THE ENTIRE SIDEWALK BLOCK AT A DESIRED LENGTH OF 1.8m.
3. WHEN SIDEWALK IS >2.4m CLEAR WIDTH, CENTER PARTITION AT EQUAL WIDTH.
4. DIMENSION "a & b" SHALL BE EQUAL SPACING AT DESIRED WIDTH.
5. WHERE SIDEWALK IS ADJACENT TO BUILDING FACE, A 0.30m BUILDING STRIP CONTROL JOINT IS DESIRED (ASPHALT BOARD CONTROL JOINT),
6. REFER TO DRAWING MMCD C4 FOR CURB AND GUTTER DIMENSIONS.
7. REFER TO CONTRACT DRAWING SECTION 03.30.20 FOR DETAILED SPECIFICATIONS
8. CONTROL JOINTS SHALL BE SAWED INTO THE SIDEWALK WITHIN 24 HOURS AFTER THE POUR TO MINIMIZE ANY CRACKING.
9. PLASTIC ZIP STRIPS ARE ACCEPTABLE AT SIDEWALK AREA FOR CONTROL JOINTS BUT REMOVE REMOVABLE PORTION AND TROWEL OVER WHEN CONCRETE SETS.
10. ARTIFICIAL TURF IS NOT A SUPPORTED TREATMENT ON PUBLIC PROPERTY.
11. ALL DIMENSIONS ARE IN METERS UNLESS SPECIFIED.

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|     |               |            |
|-----|---------------|------------|
| 1   | MAY.18.2022   | EFS        |
| REV | REVISION DATE | UPDATED BY |

**CONCRETE SIDEWALK**

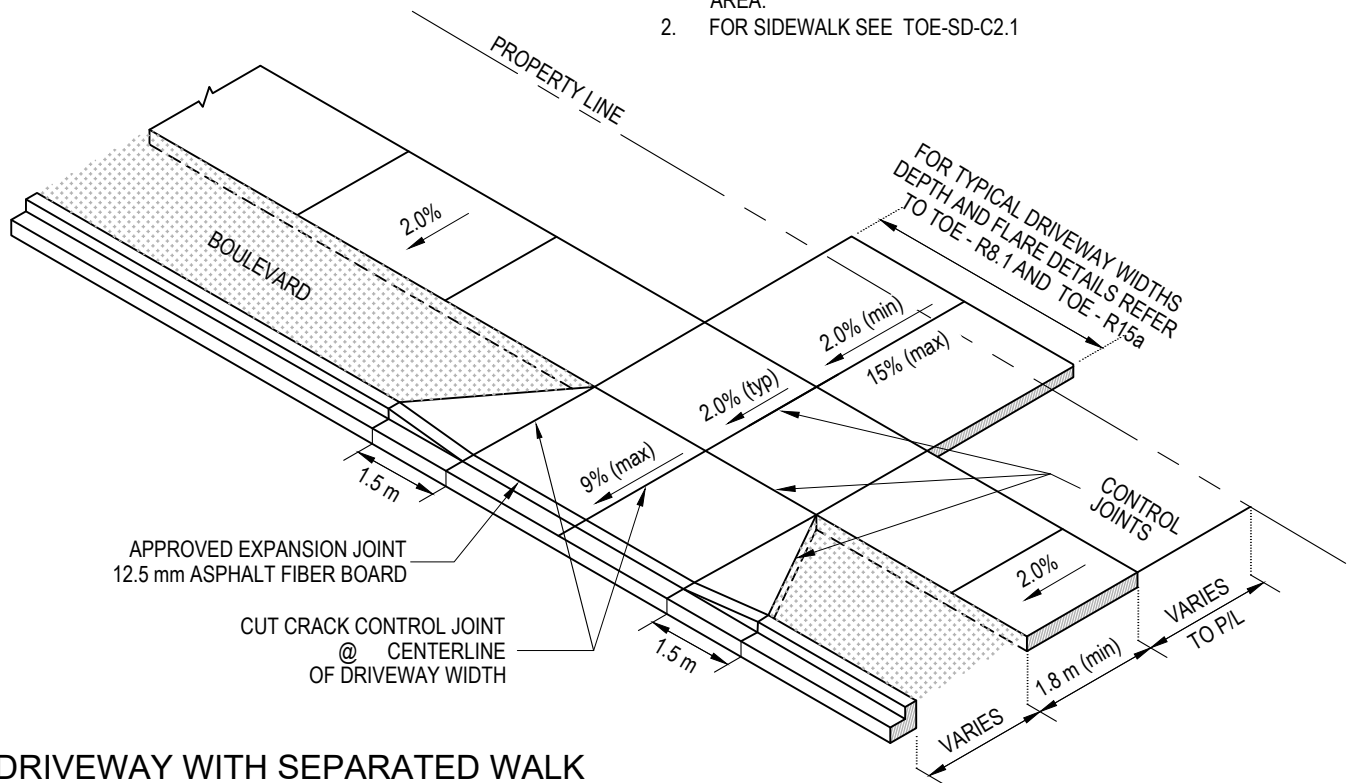
ISSUE DATE: FEB. 28, 2022  
APPROVED BY: J.Clary



**DRIVEWAY WITH CURB WALK**

**NOTE:**

1. DRIVEWAY CONTROL JOINTS TO BE TROWEL LINES FOR SIDEWALK AREA.
2. FOR SIDEWALK SEE TOE-SD-C2.1



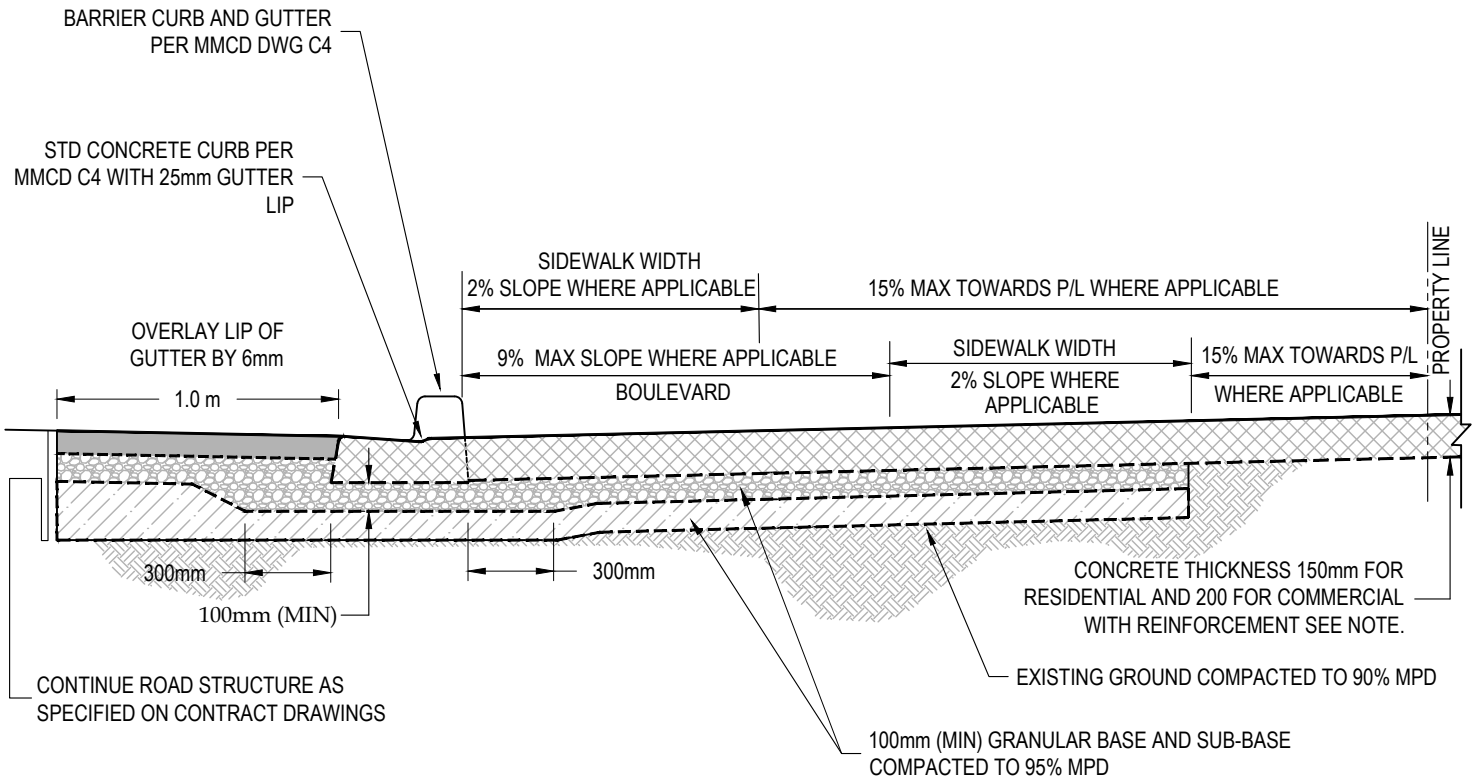
**DRIVEWAY WITH SEPARATED WALK**

NTS

**DRIVEWAY CROSS SECTION**

|     |               |          |
|-----|---------------|----------|
| 1   | MAY.18.2022   | EFS      |
|     |               |          |
| REV | REVISION DATE | APPROVED |

ISSUE DATE: FEB. 28, 2022  
APPROVED BY: JCLARY



**NOTE:**

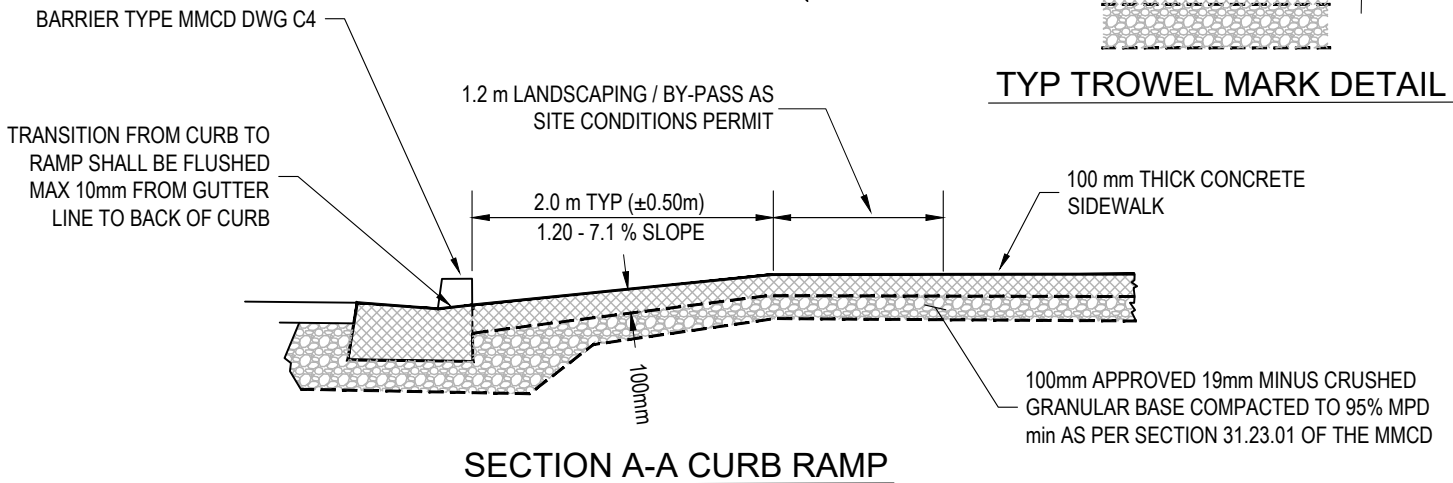
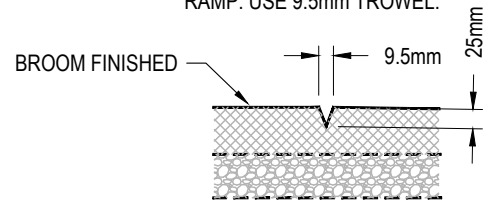
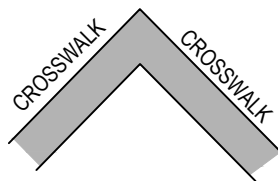
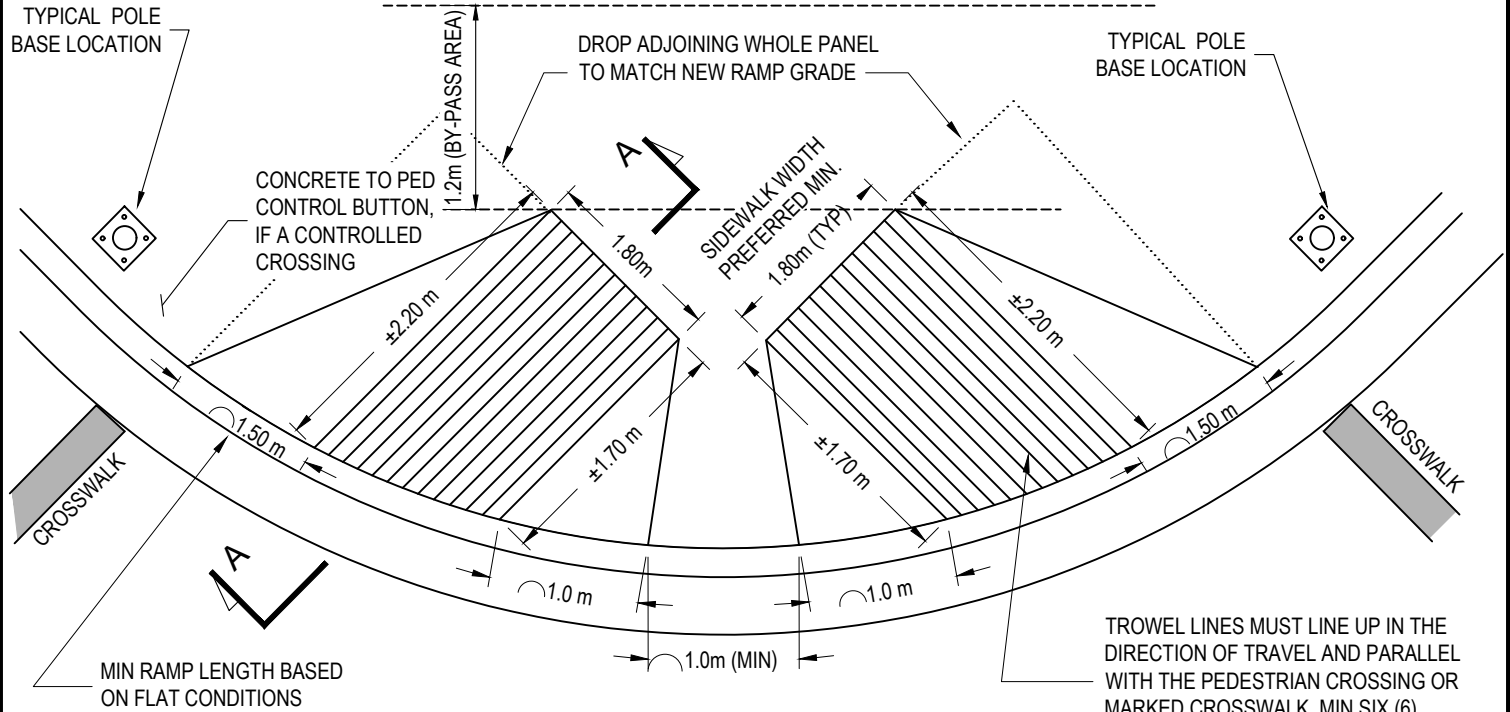
- FOR COMMERCIAL DRIVEWAYS USE #4 OR 12M SPACED AT MAX 300mm ON CENTER BOTH WAYS.

NTS

**TYPICAL DETAIL DRIVEWAY  
CROSS SECTIONS**

|     |               |          |
|-----|---------------|----------|
| 1   | MAY.18.2022   | EFS      |
|     |               |          |
|     |               |          |
| REV | REVISION DATE | APPROVED |

ISSUE DATE: FEB. 28, 2022  
APPROVED BY: JCLARY



**NOTES:**

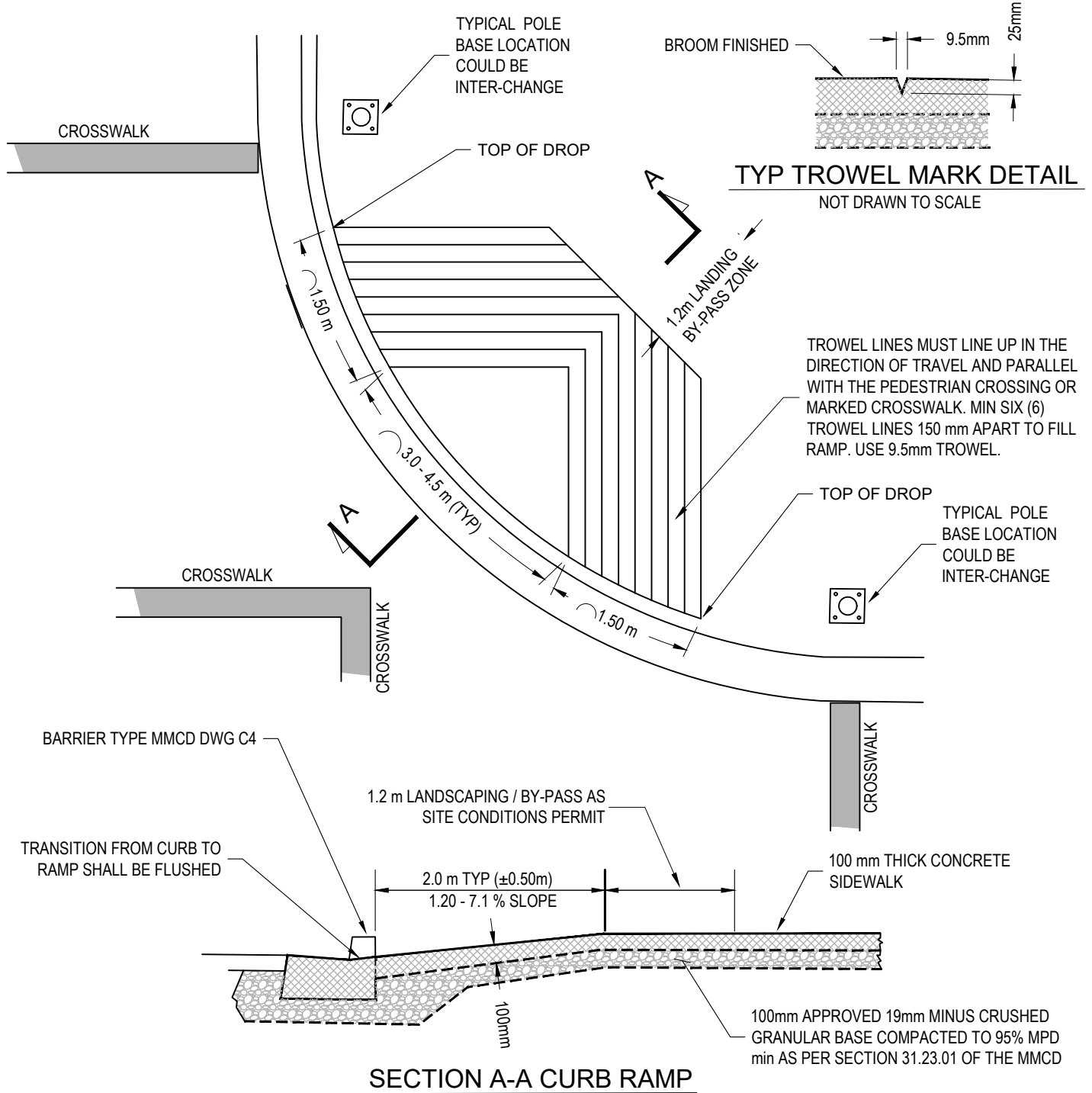
1. STANDARD RAMP LENGTH : 2.0m TYP(±) AT CENTER OF RAMP
2. RECOMMENDED RAMP SLOPE (± 7.1 - 1.2 %)
3. ADJUST LENGTH OF RAMPS AS REQUIRED
4. WHERE LANDING BY-PASS..(SEE NEXT PAGE).
5. WHEN SITE CONDITIONS DO NOT PERMIT TYP LAYOUT, CONTACT MUNICIPAL ENGINEER FOR APPROVAL OF DESIGN.
6. ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE.

NTS

|     |               |          |
|-----|---------------|----------|
| 1   | MAY.18.2022   | EFS      |
|     |               |          |
| REV | REVISION DATE | APPROVED |

**DOUBLE CURB RAMPS (PREFERRED)**

ISSUE DATE: FEB. 28, 2022  
APPROVED BY: JCLARY



NOTES:

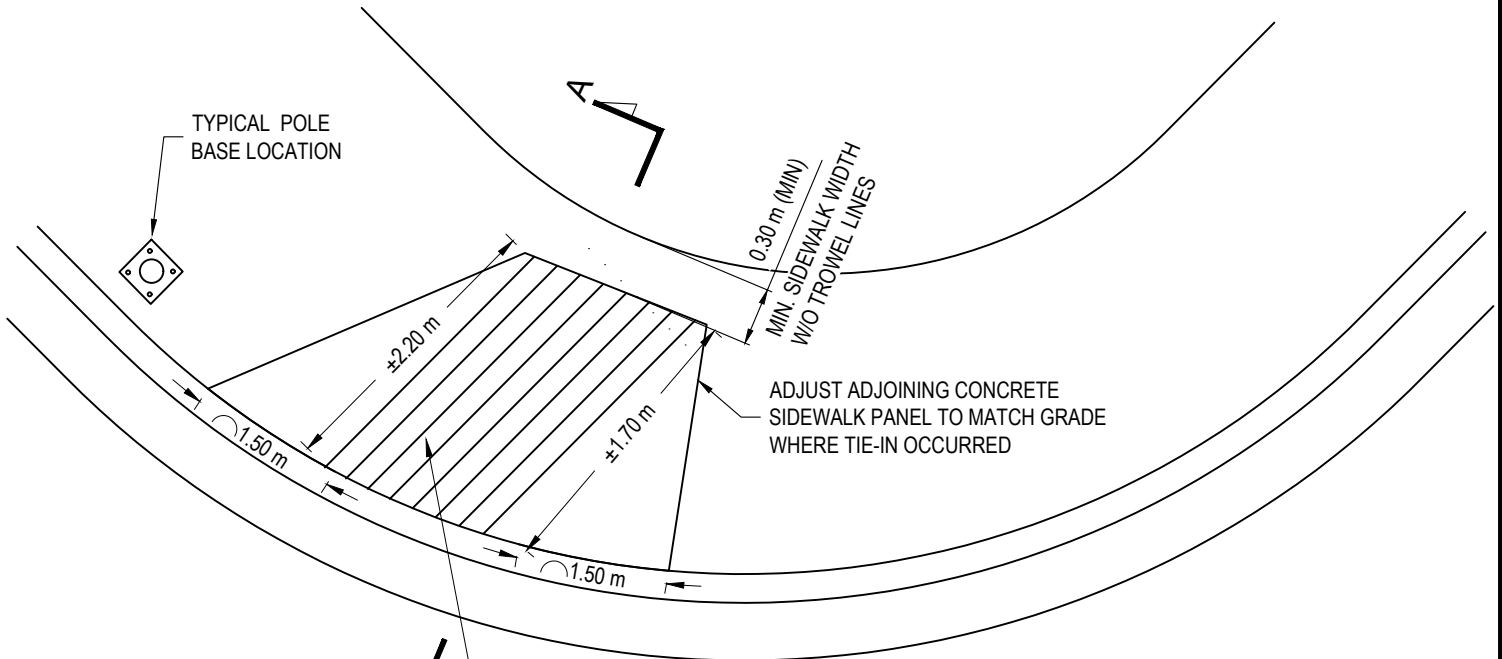
1. STANDARD RAMP LENGTH : 2.0m TYP( $\pm$ ) AT CENTER OF RAMP
2. RECOMMENDED RAMP SLOPE ( $\pm$  7.1 - 1.2%)
3. ADJUST LENGTH OF RAMPS AS REQUIRED.
4. WHERE LANDING BY-PASS ZONE DOES NOT EXIST, 0.30 m BETWEEN EDGE OF SIDEWALK AND SCORE MARKS REQUIRED.
5. WHEN SITE CONDITIONS DO NOT PERMIT TYP LAYOUT, CONTACT MUNICIPAL ENGINEER FOR APPROVAL OF DESIGN.
6. ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE.

NTS

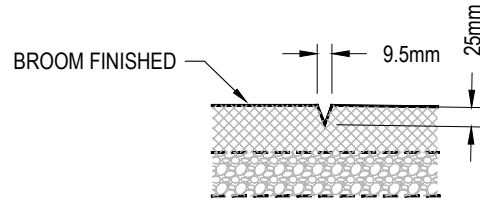
**LARGE SINGLE CURB RAMP**

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|     |               |          |
| REV | REVISION DATE | APPROVED |

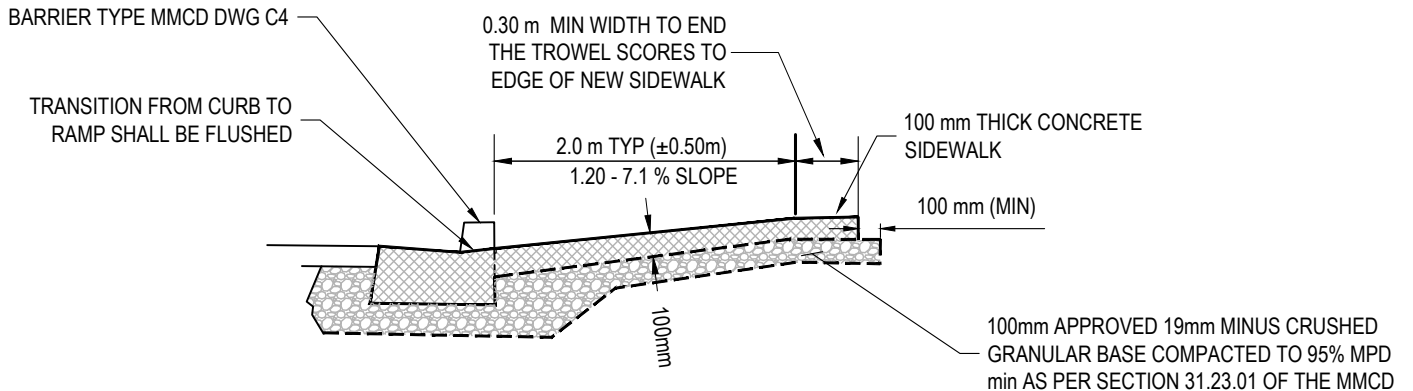
ISSUE DATE: FEB. 28, 2022  
APPROVED BY: JCLARY



TROWEL LINES MUST LINE UP IN THE DIRECTION OF TRAVEL AND PARALLEL WITH THE PEDESTRIAN CROSSING OR MARKED CROSSWALK. MIN SIX (6) TROWEL LINES 150 mm APART TO FILL RAMP. USE 9.5mm TROWEL.



TYP TROWEL MARK DETAIL



SECTION A-A CURB RAMP

NOTES:

1. STANDARD RAMP LENGTH :  $2.0$ m TYP( $\pm$ ) AT CENTER OF RAMP
2. RECOMMENDED RAMP SLOPE ( $\pm 7.1 - 1.2\%$ )
3. ADJUST LENGTH OF RAMPS AS REQUIRED
4. WHEN SITE CONDITIONS DO NOT PERMIT TYP LAYOUT, CONTACT MUNICIPAL ENGINEER FOR APPROVAL OF DESIGN.
5. ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE.

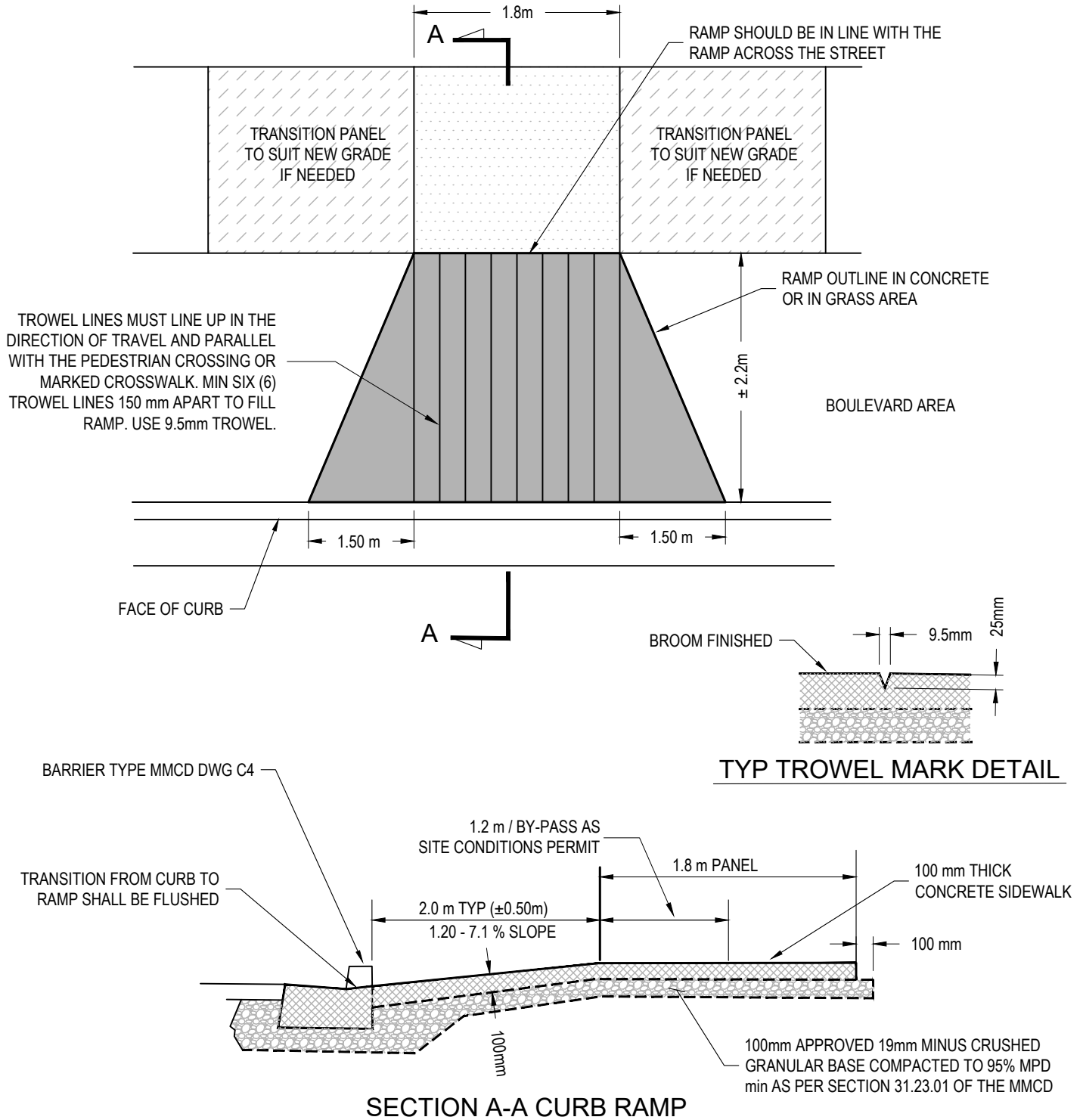
NTS

**SINGLE CURB RAMP**

|     |               |          |
|-----|---------------|----------|
| 1   | MAY.18.2022   | EFS      |
|     |               |          |
|     |               |          |
| REV | REVISION DATE | APPROVED |

ISSUE DATE: FEB. 28, 2022  
APPROVED BY: JCLARY





NOTES:

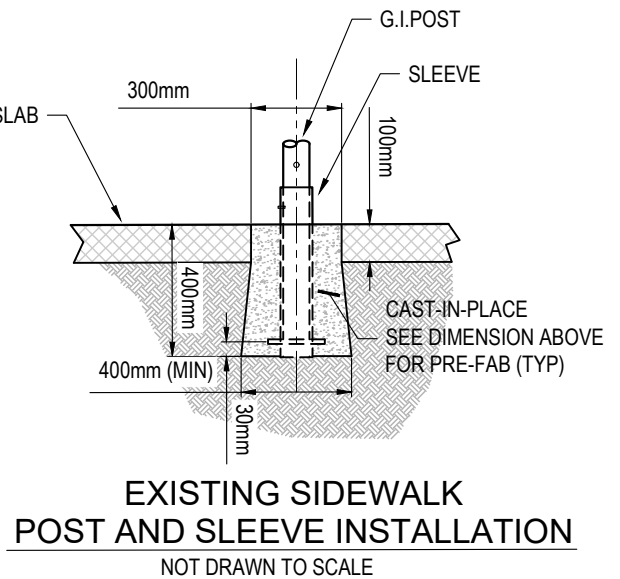
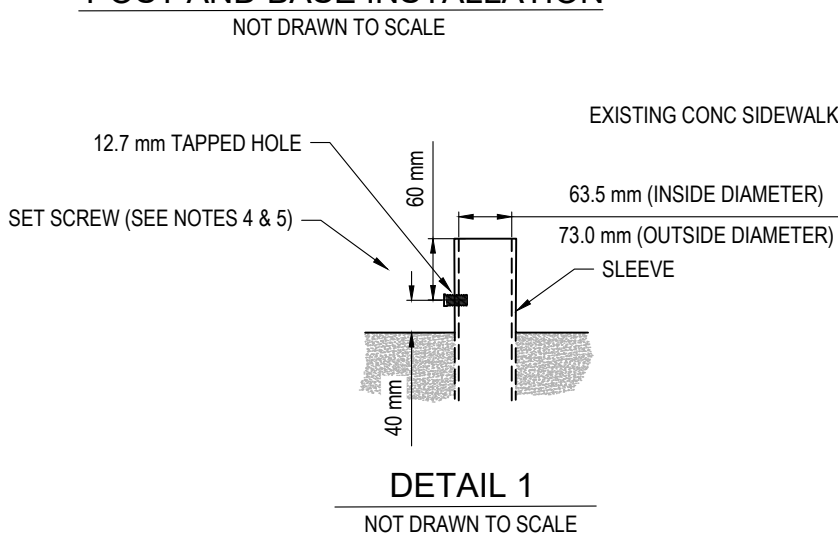
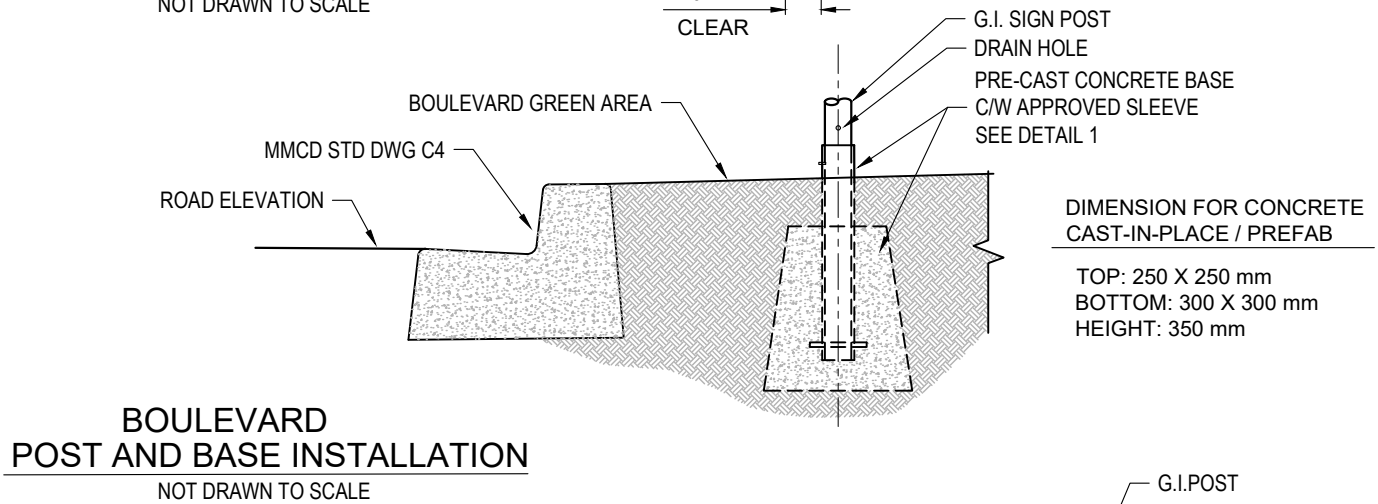
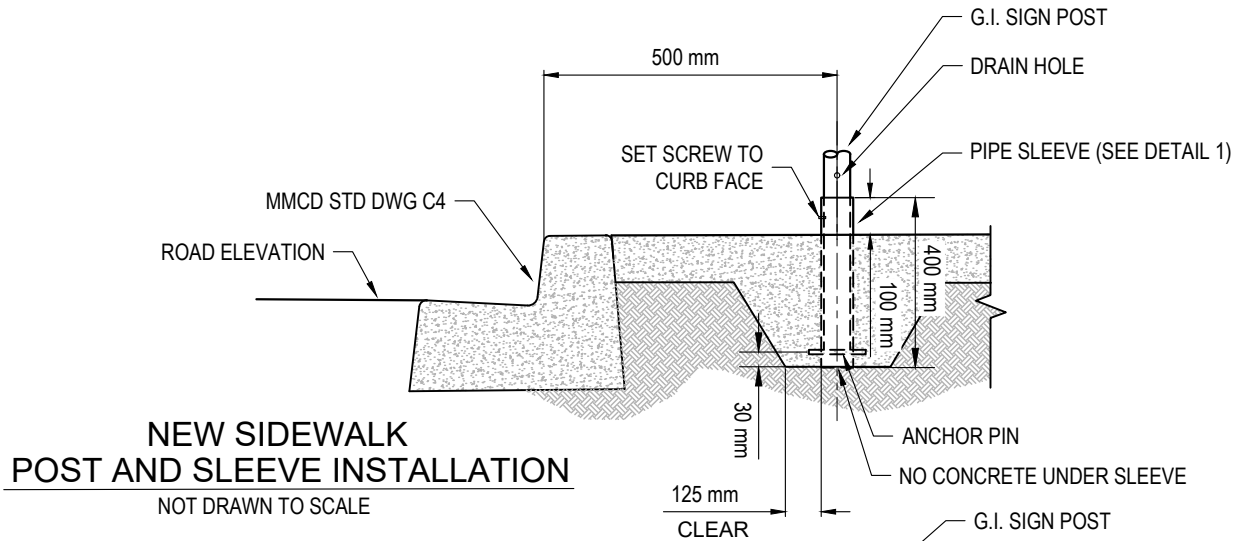
1. STANDARD RAMP LENGTH : 2.0m TYP(±) AT CENTER OF RAMP
2. RECOMMENDED RAMP SLOPE (± 1.2 - 7.1%)
3. ADJUST LENGTH OF RAMPS AS REQUIRED
4. WHEN SITE CONDITIONS DO NOT PERMIT TYP LAYOUT, CONTACT MUNICIPAL ENGINEER FOR APPROVAL OF DESIGN.
5. ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE.

NTS

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**T - INTERSECTION OR MID-BLOCK CURB RAMP**

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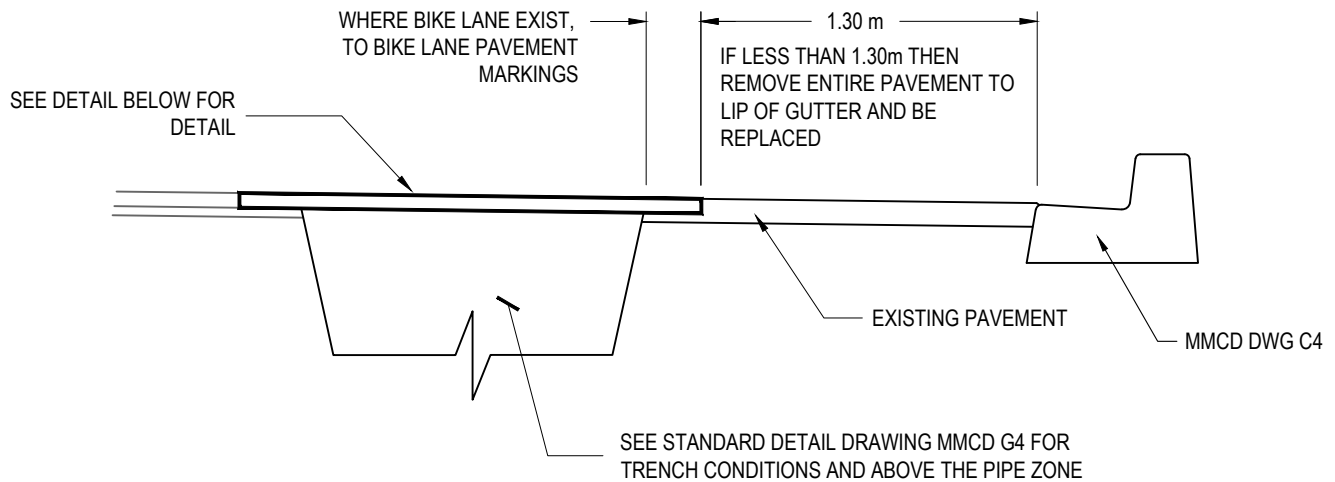
**NOTES:**

1. CAUTION MUST BE TAKEN TO ENSURE THAT NO CONCRETE OR DEBRIS GET INSIDE THE SLEEVE.
2. THE SLEEVE IS TO BE ABSOLUTELY PLUMB.
3. ALTERNATIVE SIGN LOCATION MAY BE NECESSARY IN INSTANCE OF CONFLICT WITH UNDERGROUND UTILITIES.
4. POST AND SLEEVE: 12.7mm DIAMETER X 12.7mm OR 19.1 mm LENGTH CUP POINT STAINLESS STEEL ALLEN KEY SET SCREW.

**SIGNAGE TRAFFIC SIGN SLEEVE**

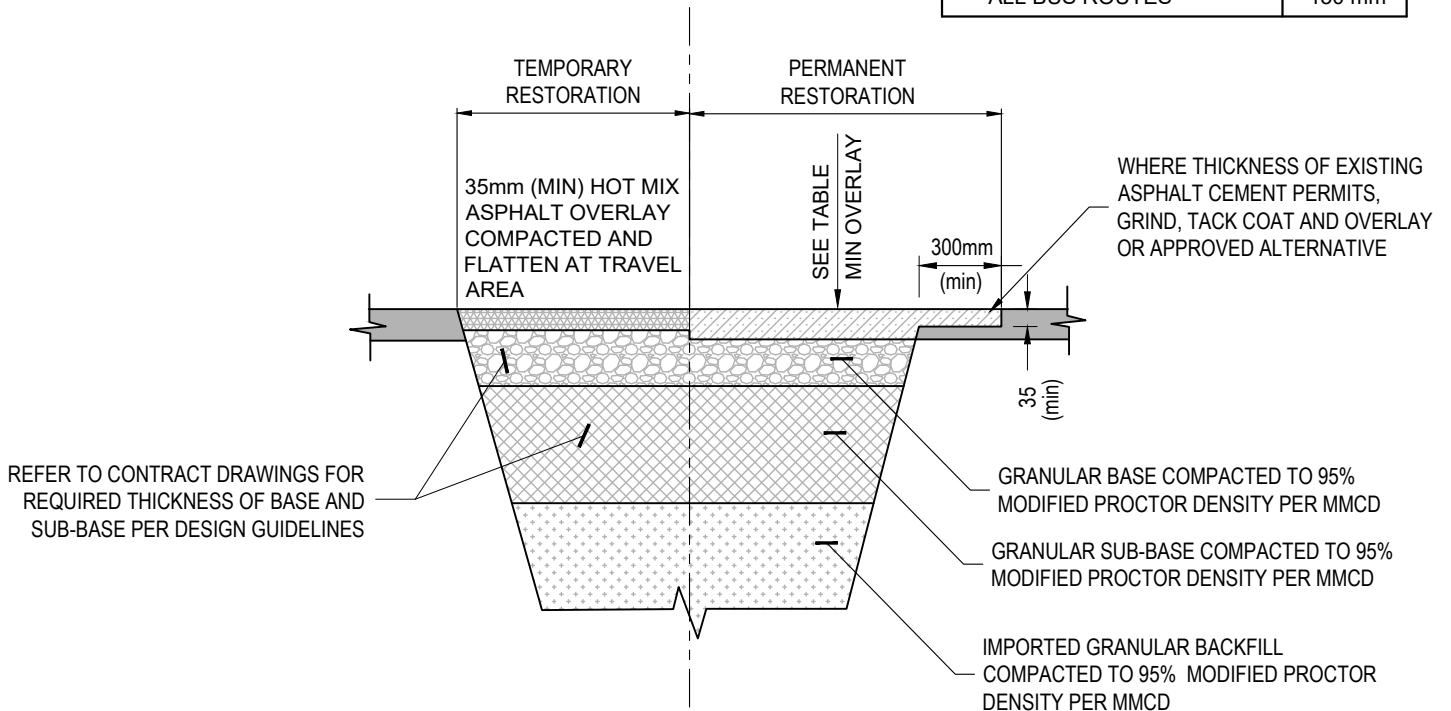
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NOTE:  
TRENCHLINE SHOWN FROM APPROVED CONSTRUCTION PLAN SHALL BE SUPERCEDED WITH THE NEW LINE FROM THE UNDISTURBED AREA BEING REFERENCED.

| TABLE PER MMCD GUIDELINES<br>MIN THICKNESS OF ASPHALT COURSE |        |
|--|--------|
| LOCAL ROAD   | 75 mm  |
| COLLECTOR ROAD   | 100 mm |
| ARTERIAL ROAD  | 150 mm |
| ALL THICKNESSES ARE * MIN OR MATCH EXISTING                  |        |
| ** ALL BUS ROUTES  | 150 mm |

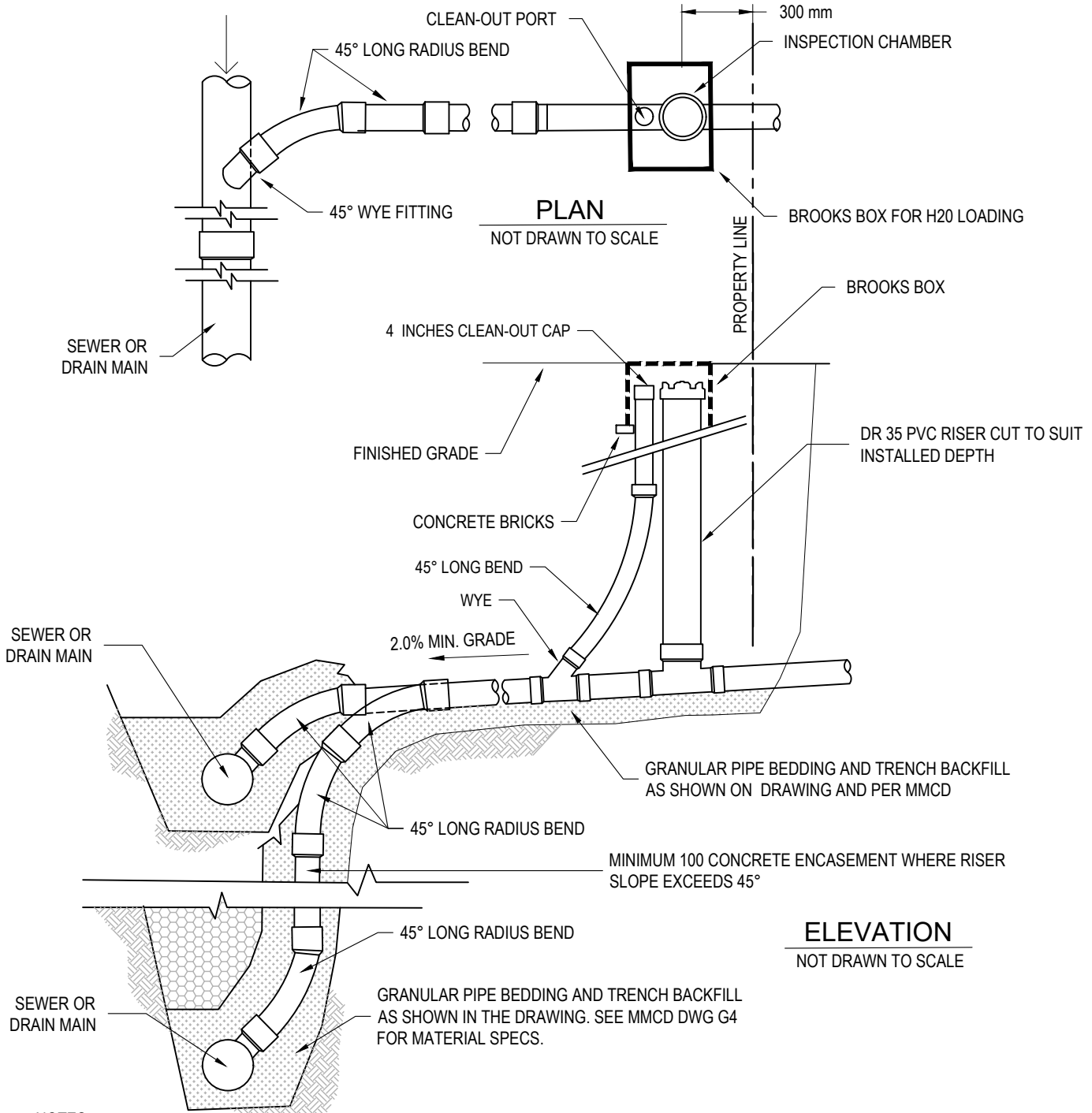


- NOTES:
1. COLD MIX ASPHALT OVERLAY IS ACCEPTABLE FOR 2 WEEKS. FOR TEMPORARY RESTORATION, OTHERWISE HOT-MIX REQUIRED. CONTRACTOR TO MONITOR ROAD FOR GRANULAR AGGREGATES SPALLING. IMMEDIATE POT HOLE REPAIR IS REQUIRED FOR DAMAGED AREAS.

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**PAVEMENT RESTORATION**

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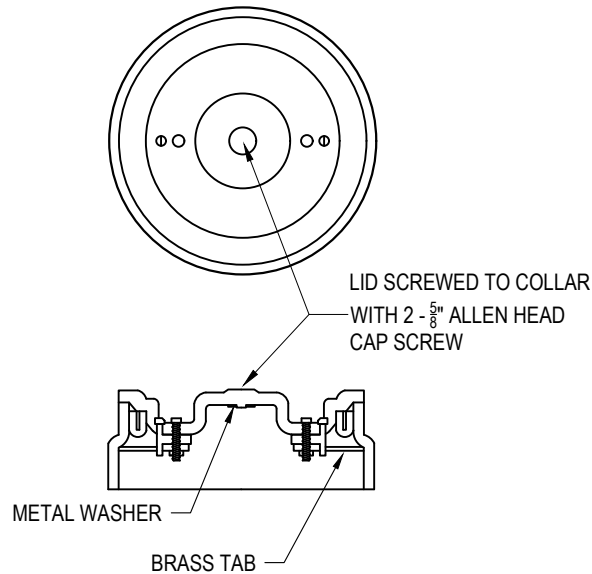
**NOTES:**

1. CONNECTIONS TO BE 100 TO 200 AS SPECIFIED ON CONTRACT DRAWINGS.
2. RISER TYPE SERVICE TO BE USED ONLY WHEN SERVICE IS MORE THAN 2.4m ABOVE WYE INVERT OR AS DIRECTED BY CONTRACT ADMINISTRATOR.
3. SERVICE CROSSINGS COVER LESS THAN 1.0m AT ROAD AREAS TO BE DESIGN BY AN ENGINEER AND TO BE APPROVE BY THE TOWNSHIP.
4. LOCATION OF SERVICE AND MARKER AS SHOWN ON CONTRACT DRAWINGS.
5. SEE DRAWING S9a FOR DETAILS OF INSPECTION CHAMBER AND INSTALLATION REQUIREMENTS.
6. INSPECTION CHAMBER AND CLEAN-OUT TO BE HOUSED IN THE BROOKS BOX SHOWN IN DWG S9a. BOX TO BE ADJUSTED TO SUIT INSTALLATION IF NEEDED.
7. LID TO BE COLOR CODED (RED = SEWER, GREEN = DRAIN)
8. ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE.

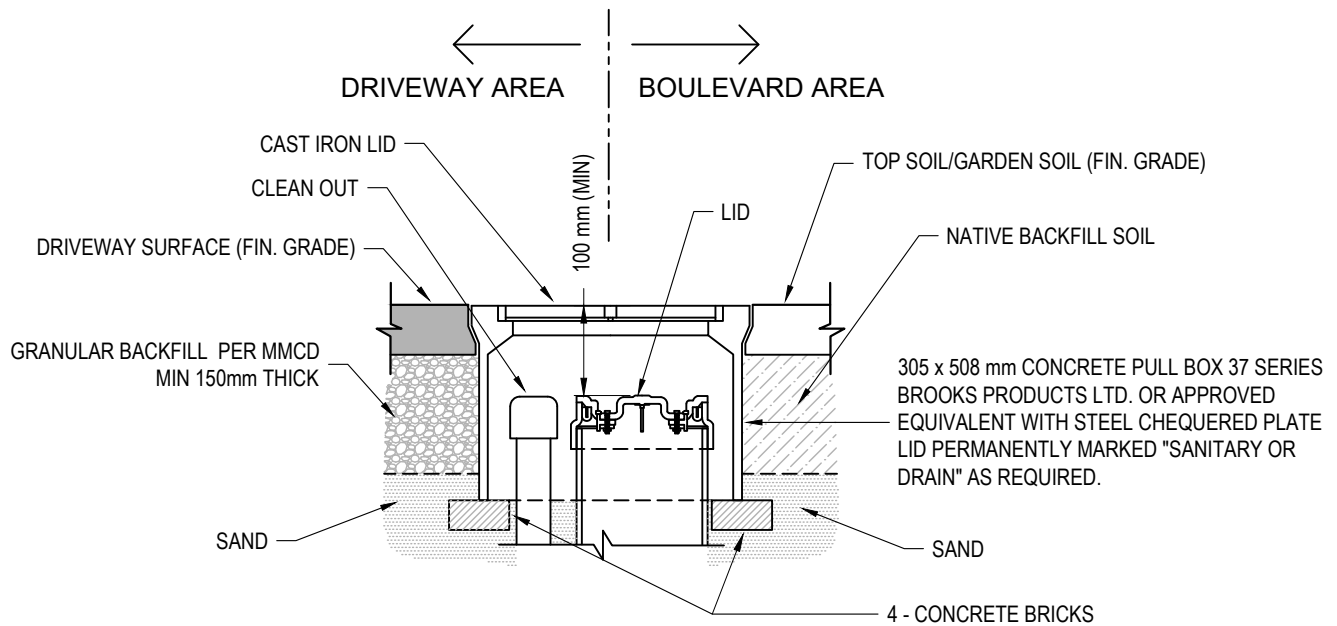
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**INSPECTION CHAMBER FOR 100 TO 200  
SANITARY AND STORM SEWER SERVICE**

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**LID DETAIL**  
NOT DRAWN TO SCALE



**INSTALLATION IN DRIVEWAY AND BOULEVARD**  
NOT DRAWN TO SCALE

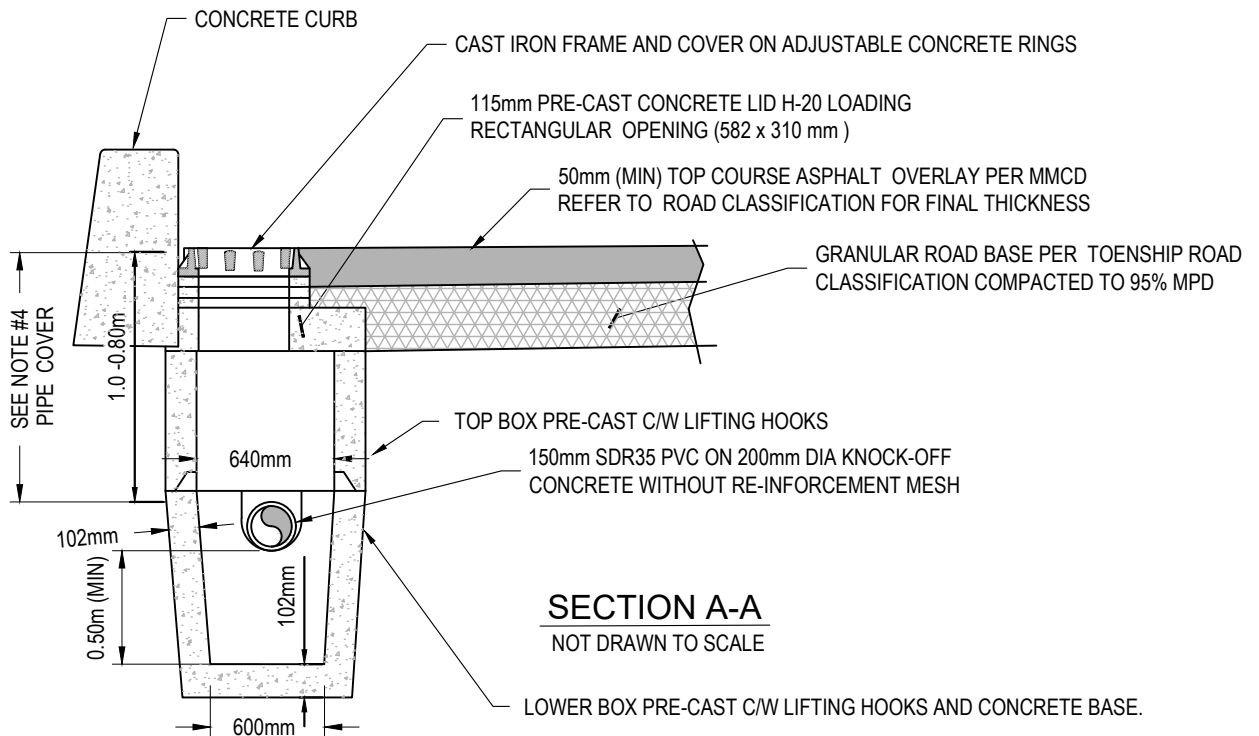
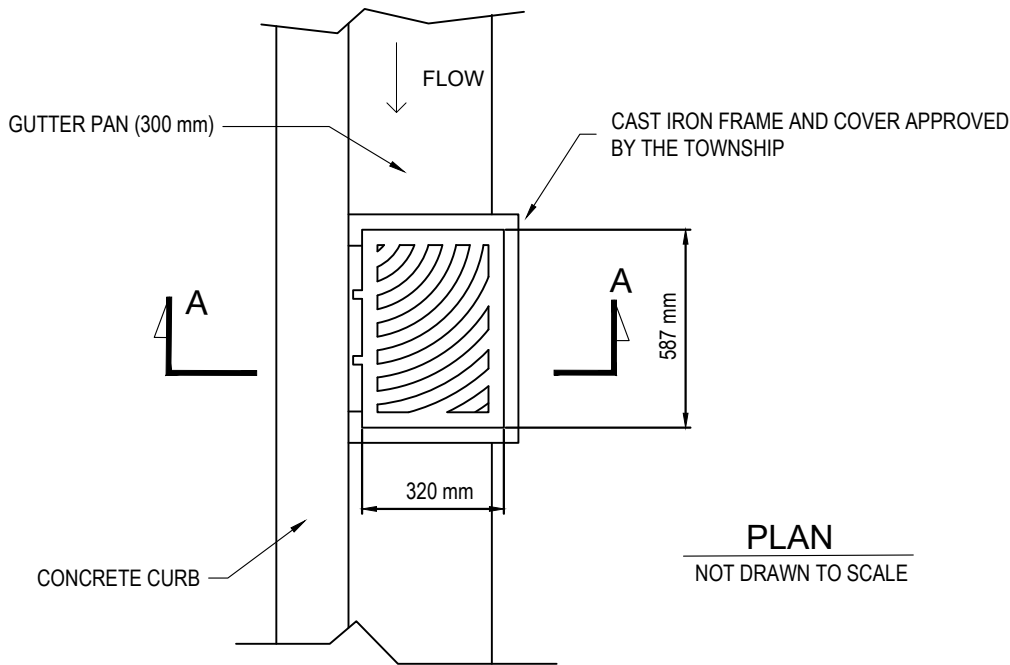
NOTES:

1. REFER TO DRAWING S7-a FOR INSTALLATION REQUIREMENTS
2. INSPECTION CHAMBER TO BE APPROVED MANUFACTURED FITTING.
3. REFER TO CONTRACT DRAWINGS FOR SITE SPECIFIC DIMENSIONS REFER TO SECTION 33 30 01 FOR DETAILED SPECIFICATIONS
4. ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE.

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**INSPECTION CHAMBER FOR 100 TO 200  
DRAIN & SEWER CONNECTION**

ISSUE DATE: FEB. 28, 2022  
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NOTES:

1. PRE-CAST UNITS C/W BASE AND H-20 RATING, APPROVED BY CONTRACT ADMINISTRATOR ARE ACCEPTABLE;E.
2. REFER TO CONTRACT DRAWINGS SECTION 33 44 01 FOR DETAILED SPECIFICATIONS
3. COMBINED STORM LEADS TO BE SIZED BY THE ENGINEER ON RECORD.
4. CB LEAD COVER FOR RESIDENTIAL RD. TO BE 1000 mm AND (ARTERIAL/COLLECTOR) TO BE 1.2 m.
5. USED PRE-CAST RINGS TO ATTAIN TO DESIRED COVER AND FINISHED GRADE.
6. ALL DIMENSIONS IN MILLIMETERS UNLESS STATED OTHERWISE.

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**TOP INLET CATCH BASIN**

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