



**INVITATION TO TENDER
TILLICUM RENEWAL PROJECT
ITT NO. E054**

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Invitation to Tender

Corporation of the Township of Esquimalt

Contract: Tillicum Renewal Project, Reference No. E054

The Township of Esquimalt invites tenders for:

- Asphalt mill and overlay
- Concrete replacement
- Crosswalk installation
- Small area sub-excavation

Contract Documents are available during the regular business hours of 8:30 am to 4:00 pm from the Office Administrator, Engineering Services (250-414-7108) at the following address:

Address: Corporation of the Township of Esquimalt
Engineering Services
Third Floor, 1229 Esquimalt Road
Esquimalt, BC V9A 3P1

There will be a \$50.00 fee (GST included) for hardcopy plans and documents. Please make cheques payable to The Corporation of the Township of Esquimalt.

Tenders are scheduled to close at:

***Tender Closing Time:* 2:00 PM Local Time**

***Tender Closing Date:* May 16, 2018**

The Contract Documents are available for viewing at:

Address: Corporation of the Township of Esquimalt
Engineering Services, 3rd Floor
1229 Esquimalt Road
Esquimalt, BC V9A 3P1

Instructions to Tender - Part I

(TO BE READ WITH "INSTRUCTIONS TO Tender - PART II"
CONTAINED IN THE EDITION OF THE PUBLICATION
"MASTER MUNICIPAL CONSTRUCTION DOCUMENTS" SPECIFIED IN ARTICLE 2.2 BELOW)

Corporation of the Township of Esquimalt

Contract: Tillicum Renewal Project, Reference No. E054

Introduction 1

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

- Asphalt mill and overlay
- Concrete replacement
- Crosswalk installation
- Small area sub-excavation

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

Will Wieler, ASCT, PMP
Project Manager
Corporation of the Township of Esquimalt
1229 Esquimalt Road
Esquimalt, BC V9A 3P1

Ph: (250) 414-7130

Fax: (250) 414-7160

Email: will.wieler@esquimalt.ca

No later than 72 hours prior to tender closing

NOTE All inquiries must be in writing either by email or fax.

Tender Documents 2

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 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 Tender - 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, refer to GC 2.3.1, for the correct edition of this publication applicable to this *Contract*. All sections of this publication are by reference included in the *Contract Documents*.

- 2.3 Any additional information made available to Tender 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 Tender who must make their own judgment about its reliability, accuracy or completeness and neither the *Owner* nor any representative of the *Owner* gives any guarantee or representation that the additional information is reliable, accurate or complete

**Submission of
Tenders**

- 3**
3.1 Tenders must be submitted in a sealed envelope, marked on the outside with the above *Contract* Title and Reference No.E054, and must be received by the office of:

Township of Esquimalt
1229 Esquimalt Road
Esquimalt, BC V9A 3P1
Tillicum Renewal Project E054
ATTENTION: Will Wieler, ASCT, PMP

Ph: (250) 414-7130
Fax: (250) 414-7160
Email: will.wieler@esquimalt.ca

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

**Additional
Instructions to
Tender**

- 4**
4.1 No Pre tender site meeting is planned. Tenderers are encouraged to view the site, to make themselves aware of the site constraints at each location
4.2 Tenders will be opened in public.

4.3 Minimize traffic disruption during construction. Parking restrictions will be in effect during working hours and access shall be maintained for pedestrians and vehicles.

4.4 Lane Closures

Transfer Street

Single lane alternating traffic is acceptable between 9:00AM – 3:00PM on Transfer Street. Both lanes to remain open before 9:00AM and after 3:00PM.

Tillicum Road

One lane in each direction must remain open on Tillicum between 9:00AM – 3:00PM. All lanes to remain open before 9:00AM. One southbound lane may be closed after 3:00 PM.

4.5 The schedule is of utmost importance. The Township's preferred date for substantial Completion is September 30, 2018.

Agreement Between Owner and Contractor

(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.)

THIS AGREEMENT made in duplicate this _____ day of _____, 20__.

Contract: Tillicum Renewal Project

Reference No. E054

BETWEEN: Corporation of the Township of Esquimalt
1229 Esquimalt Road
Esquimalt, BC V9A 3P1

(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 September 30, 2018 subject to 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:
- 3.1.1 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
 - 3.1.2 all lump sums, if any, as listed in the *Schedule of Quantities and Prices*, for items relating to or incorporated into the *Work*; plus
 - 3.1.3 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 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

ATTENTION: Will Wieler, ASCT, PMP

The *Contractor*:

ATTENTION:

The *Contract Administrator*:

Corporation of the Township of Esquimalt
1229 Esquimalt Road
Esquimalt, BC V9A 3P1

ATTENTION: Will Wieler, ASCT, PMP

- 6.2 A communication or notice that is addressed as above shall be considered to have been received:
- 6.2.1 immediately upon delivery, if delivered by hand; or
 - 6.2.2 immediately upon transmission if sent and received by fax; or
 - 6.2.3 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 will be received properly, and the provisions of paragraph 12.5 of the Instructions to Tenderers apply to the sender.

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:

Corporation of the Township of Esquimalt

(FULL LEGAL NAME OF OWNER)

(AUTHORIZED SIGNATORY)

(AUTHORIZED SIGNATORY)

Schedule 1

Schedule of *Contract Documents*

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

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 Vol. II, 2009 (Platinum Edition) and subsequent revisions. 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 Specifications
- 5 Specifications*;
- 6 Executed Form of Tender, including all Appendices;
- 7 *Contract Drawings* listed in Schedule 2 to the Agreement -“List of *Contract Drawings*”;
- 8 Instructions to Tenderers - Part I
- 9 Instructions to Tenderers - Part II *
- 10 The following Addenda:

- 11 Scope of Work

Schedule 2

List of Contract Drawings

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

TITLE	SHEET NO.	DATE	REVISION DATE	REVISION NO.
Cover Sheet	1	2018.04.30		1
Tillicum Road Renewal (STA 3+517– 3+609)	2	2018.04.30		1
Tillicum Road Renewal (STA 4+053 – 4+200)	3	2018.04.30		1
Tillicum Road Renewal (STA 4+200 – 4+341)	4	2018.04.30		1
Tillicum Road Renewal Paintworks	5	2018.04.30		1
Tillicum Road Renewal Details	2	2018.04.30		1

Schedule 3



**TOWNSHIP OF ESQUIMALT
CONTRACTOR COORDINATION**

JOB SITE HAZARD IDENTIFICATION - PRIME CONTRACTOR APPOINTED

Date: _____

Contractor: _____ Phone: _____

Contractor Representative (Print Name) _____ Phone: _____

Township of Esquimalt Representative (Print Name) _____

Contractor Safety Representative (Print Name) _____ Phone: _____

Project Description: _____

Address/Area of Project: _____

Date Start _____ End _____

Type of Project

Prime Contractor Appointed - Single Employer Workplace

Prime Contractor Appointed - Multiple Employer

Name of Person Designated to Supervise Workers:

Checklist of Known Hazards:

Hazard	Status	Comments
Asbestos/Lead	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
Bio-Hazardous Materials	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
Chemicals	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
Confined Spaces	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
Danger Trees	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
De-Energization / Lock-out	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
Excavations	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
Falling Materials	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
Fire Hazards	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
Overhead Power Lines	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
Personal Property	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
Public Property	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
Toxic Process Gases	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
Underground Utilities Location	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
Traffic Control	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
Working Alone or in Isolation	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
Working at Heights over 3 m	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	

Other Items Identified

Specific Recommendations/Special Precautions

Is any additional information or notes attached? If so please describe.

This form is only intended to notify the *Contractor* of the hazards that the Township of Esquimalt is aware of at this site. This form is not intended to instruct the *Contractor* in how to control or eliminate the known hazards identified above. The *Contractor* on site is still responsible for performing a detailed Hazard Identification and Hazard Assessment for the site as per the requirements of WorkSafeBC (WSBC) regulations. The *Contractor* shall at all times comply with all applicable Acts, Regulations, Standards and By-laws.

All safety related Incidents/Accidents required to be reported to WorkSafeBC need to be reported to the Township of Esquimalt *Contract Administrator* and Site Inspector immediately.
Project Manager - office 250-414-7130 or cell 250-818-7670
Contract Administrator - office 250-414-7130 or cell 250-818-7670

Township of Esquimalt Representative Name (print) _____

Township of Esquimalt Representative Signature _____

Contractor Acknowledgement of Receipt of This Form

Contractor Representative Name (print) _____

Contractor Representative Signature _____

Schedule 4



**TOWNSHIP OF ESQUIMALT
CONTRACTOR COORDINATION**

CONFIRMATION OF CONTRACTOR RESPONSIBILITIES
This form must be completed and signed before work begins

Date _____

Project Description: _____

Tender Ref #: _____

Please select one of the following and complete the relevant section(s) of this form

- Type A - Prime Contractor Single Employer Workplace**
- Type B - Prime Contractor - Multiple Employer Workplace/Includes Sub-Contractors**
- Type C - No Prime Contractor Appointed - Municipal Qualified Coordinator**

Contractor _____

Contractor Representative _____ Job Title _____

Person Designated Responsible for Coordination of Safety: _____

Contact #: _____

Township of Esquimalt Representative: _____

Job Title _____ Contact # _____

Type A and B - Prime Contractor Appointed - The Contractor

Acknowledges the appointment as Prime Contractor	<input type="checkbox"/> yes <input type="checkbox"/> no
Attends necessary pre-construction safety meetings (documented)	<input type="checkbox"/> yes <input type="checkbox"/> no
Determines the boundaries of the workplace, and ensure that only workers of one employer perform duties with-in those boundaries (Type A only)	<input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> n/a
Is responsible for identifying and complying with any and all applicable Acts, Regulations, Standards and By-laws. The Contractor shall also understand that the WSBC OH&S Regulation and/or any other applicable Acts or Standards shall be adhered to at all times and supersede any direction from the City and it representatives.	<input type="checkbox"/> yes <input type="checkbox"/> no
Shall immediately notify The Township of Esquimalt of any conflict between directions given to them and any applicable Acts, Regulations or Standards and By-laws.	<input type="checkbox"/> yes <input type="checkbox"/> no
Accepts that written documentation (e.g. notes, records, inspections, meetings etc.) on all health and safety issues must be made available upon request to the Township of Esquimalt.	<input type="checkbox"/> yes <input type="checkbox"/> no
Has (or will before work starts) received a completed Job Site Hazard Identification Form from a representative of the Township of Esquimalt.	<input type="checkbox"/> yes <input type="checkbox"/> no

Will conduct an inspection of the worksite to identify any hazards before starting any work on site.	<input type="checkbox"/> yes <input type="checkbox"/> no
Shall communicate all known hazards to any person who may be affected and ensure that appropriate measures are taken to effectively control or eliminate all hazards	<input type="checkbox"/> yes <input type="checkbox"/> no
Must ensure that all workers on site are suitably trained, orientated and competent to perform the duties for which they are assigned.	<input type="checkbox"/> yes <input type="checkbox"/> no
Must submit a Notice of Project to WorkSafeBC (WSBC)and submit a copy to the Township of Esquimalt as required	<input type="checkbox"/> yes <input type="checkbox"/> no
Shall report any and all injuries or incident required by regulation to WorkSafeBC. The <i>Contractor</i> shall also report these incidents to the Township of Esquimalt <i>Contract Administrator</i> .	<input type="checkbox"/> yes <input type="checkbox"/> no
The <i>Contractor</i> must be on the Township of Esquimalt approved <i>Contractor</i> list and will submit a copy of their formal Occupational Health and Safety program and site specific safe work procedures where required.	<input type="checkbox"/> yes <input type="checkbox"/> no
The <i>Contractor</i> has provided a current "WSBC Clearance Letter" stating that their account with WorkSafeBC is in good standing	<input type="checkbox"/> yes <input type="checkbox"/> no
The <i>Contractor</i> has appointed a qualified coordinator responsible for project safety and provided the Township of Esquimalt with their name and contact information in writing	<input type="checkbox"/> yes <input type="checkbox"/> no
Type B Only	
The Prime <i>Contractor</i> has identified and provided to the Township of Esquimalt the names of all other employers and or sub- <i>Contractors</i> working on the project	<input type="checkbox"/> yes <input type="checkbox"/> no
The Prime <i>Contractor</i> has or will notify all sub- <i>Contractors</i> of all know and foreseeable hazards	<input type="checkbox"/> yes <input type="checkbox"/> no
The Prime <i>Contractor</i> will meet all obligations under the WorkSafeBC Act and Regulations for coordinating a multiple employer workplace.	<input type="checkbox"/> yes <input type="checkbox"/> no
The Prime <i>Contractor</i> shall be responsible for regular inspections and ensuring that all sub <i>Contractors</i> and their employees comply with any and all applicable Acts, Regulations Standards and By-laws	<input type="checkbox"/> yes <input type="checkbox"/> no

Notes/Follow-up: _____

See Page 3 for Signatures

Type C - No Prime Contractor Appointed - Municipal Qualified Coordinator

Township of Esquimalt Representative _____ Job Title _____

Contractor _____

Contractor Representative _____ Job Title _____

The Municipal Qualified Coordinator Must

Acknowledge that the Township of Esquimalt is the Prime <i>Contractor</i>	<input type="checkbox"/> yes <input type="checkbox"/> no
Attend and coordinate pre-construction meetings as required	<input type="checkbox"/> yes <input type="checkbox"/> no
Determine the boundaries of the workplace, and ensure that all <i>Contractors</i> works with-in those boundaries	<input type="checkbox"/> yes <input type="checkbox"/> no
Ensure that the <i>Contractor</i> and/or the Municipal Qualified Coordinator have conducted an inspection of the worksite to identify any hazards	<input type="checkbox"/> yes <input type="checkbox"/> no
Identify and communicate all known hazards the <i>Contractor</i> and ensure that appropriate measures are taken to effectively control or eliminate the hazards to the health and safety of all persons at the worksite	<input type="checkbox"/> yes <input type="checkbox"/> no
Confirm that all workers are suitably trained, orientated and competent to perform the duties for which they are assigned.	<input type="checkbox"/> yes <input type="checkbox"/> no
Complete the Job Site Hazard Identification Form with the <i>Contractor</i>	<input type="checkbox"/> yes <input type="checkbox"/> no
Submit a Notice of Project to WorkSafeBC as required	<input type="checkbox"/> yes <input type="checkbox"/> no
Conduct regular inspections and ensure that all sub <i>Contractors</i> and their employees comply with any and all applicable Acts, Regulations Standards and By-laws	<input type="checkbox"/> yes <input type="checkbox"/> no
Ensure the <i>Contractor</i> is on the Township of Esquimalt Approved <i>Contractor</i> List	<input type="checkbox"/> yes <input type="checkbox"/> no
Ensure the <i>Contractor</i> has provided a current "Clearance Letter" stating that their account with WorkSafeBC is in good standing	<input type="checkbox"/> yes <input type="checkbox"/> no

Type C - The Contractor Must

Identify and Comply with any and all applicable Acts, Regulations, Standards and By-laws. The <i>Contractor</i> shall also understand that the WorkSafeBC OH and S Regulation and/or any other applicable Acts or standards supersede direction from the City and shall be adhered to at all times.	<input type="checkbox"/> yes <input type="checkbox"/> no
Immediately notify The Township of Esquimalt of any conflict between directions given to them and any applicable Acts, Regulations or Standards	<input type="checkbox"/> yes <input type="checkbox"/> no
Provide written documentation (e.g. notes, records, inspections, meetings etc.) on all health and safety issues must be made available upon request to the Township of Esquimalt.	<input type="checkbox"/> yes <input type="checkbox"/> no
Ensure that all workers are suitably trained, orientated and competent to perform the duties for which they are assigned.	<input type="checkbox"/> yes <input type="checkbox"/> no

Report any and all injuries or incident required by regulation to WorkSafeBC and to the Township of Esquimalt	<input type="checkbox"/> yes <input type="checkbox"/> no
Perform regular inspections and ensuring that all of their employees comply with any and all applicable Acts, Regulations Standards and By-laws	<input type="checkbox"/> yes <input type="checkbox"/> no

Notes/Follow-up: _____

Contractor Representative Name (print) _____

Contractor Representative Signature _____

Township of Esquimalt Representative Name (print) _____

Township of Esquimalt Representative Signature _____

Form of Tender

(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.)

Corporation of the Township of Esquimalt

Contract: Tillicum Renewal Project

Reference No. E054

TO OWNER:

1 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; and

2 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:
_____ ; 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*.

3 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.

4 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.

5 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*:
 - a) 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*;
 - b) a *Construction Schedule*, as provided by GC 4.6.1;
 - c) a "clearance letter" indicating that the tenderer is in WCB compliance; and
 - d) a copy of the insurance policies as specified in GC 24 indicating that all such insurance coverage is in place and;
 - 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
 - 5.1.3 sign the Contract Documents as required by GC 2.1.2.

6 WE AGREE:

- 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*.

7 OUR ADDRESS is as follows:

Phone:

Fax:

Attention:

This Tender is executed this _____ day of _____, 20__.

Contractor:

(FULL LEGAL NAME OF CORPORATION, PARTNERSHIP OR INDIVIDUAL)

(AUTHORIZED SIGNATORY)

(AUTHORIZED SIGNATORY)

Form of Tender – Appendix 1

Tillicum Road Renewal Project

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.)

SUMMARY SHEET

SECTION A:	General Requirements	\$	
SECTION B:	Removals and Disposals	\$	
SECTION C:	Concrete Works	\$	
SECTION D:	Roadworks	\$	
SECTION E:	Electrical Works	\$	
	TENDER PRICE:	\$	
	(5%) GST:	\$	
	TENDER PRICE PLUS TAX:	\$	

Form of Tender – 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 *HST*. *HST* shall be shown separately.)

SECTION A – GENERAL REQUIREMENTS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
1	Site mobilization and demobilization	Lump Sum	1		
2	Traffic control	Lump Sum	1		
3	Temporary structures	Lump Sum	1		
4	Environmental protection	Lump Sum	1		
5	Dust control	Lump Sum	1		

Section A: Total _____

SECTION B – REMOVALS AND DISPOSALS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
1	Taper Mill	M ²	1333		
2	Asphalt Fill (mill 50mm)	M ²	895		
3	Full Depth Mill	M ²	86		
4	Curb & Gutter, Sidewalk	L.S.	1		
5	Catch Basin and Lead	Each	1		
6	Paint Markings and Surface Cleaning	L.S.	1		

Section B: Total _____

SECTION C – CONCRETE WORKS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
1	Concrete Curb	L.M.	330		
2	Concrete Sidewalk 100mm	M ²	427		
3	Concrete Sidewalk 150mm	M ²	340		

Section C: Total _____

SECTION D – ROAD WORKS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
1	Asphalt Overlay	M ²	3890		
2	Asphalt Fill (50mm)	M ²	979		
3	Full Depth Repair	M ²	86		
4	Asphalt Driveway	M ²	25		
5	Island	L.S.	1		
6	Line Markings and Signage	L.S.	1		
7	New Catch Basin and lead	L.S.	1		
8	Landscape Restorations	L.S.	1		

Section D: Total _____

SECTION E – Electrical,

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
1	New base poles and pedestrian signals	LS	1		

Section E: Total _____

Tenderer's Initials _____

Form of Tender - Appendix 2

Tillicum Road Renewal

PRELIMINARY CONSTRUCTION SCHEDULE

(SEE PARAGRAPH 5.3.2 OF THE INSTRUCTIONS TO TENDERERS - PART II)

INDICATE SCHEDULE WITH BAR CHART WITH MAJOR ITEM DESCRIPTIONS AND TIME

ACTIVITY	(WEEKLY) CONSTRUCTION SCHEDULE											
	1	2	3	4	5	6	7	8	9	10	11	12

Form of Tender - Appendix 3

Tillicum Road Renewal

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: _____

Form of Tender - Appendix 4

Tillicum Road Renewal

COMPARABLE WORK EXPERIENCE

(SEE PARAGRAPH 5.3.4 OF THE INSTRUCTIONS TO TENDERERS - PART II)

PROJECT	OWNER/ CONTRACT NAME	PHONE NUMBER	WORK DESCRIPTION	VALUE (\$)

Form of Tender - Appendix 5

Tillicum Road Renewal

SUBCONTRACTORS

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

TENDER ITEM	TRADE	SUBCONTRACTOR NAME	PHONE NUMBER

Form of Tender - Appendix 6

Tillicum Road Renewal

LABOUR AND EQUIPMENT RATES

(SEE SUPPLEMENT 5.3.6 TO THE INSTRUCTIONS TO TENDER - PART II)

OCCUPATION	COST OF LABOUR HOURLY RATE	COST OF LABOUR OVERTIME RATE
EQUIPMENT	MAKE AND MODEL	HOURLY RATE WITH OPERATOR

MASTER MUNICIPAL CONSTRUCTION DOCUMENTS

Tillicum Road Renewal

Supplements to MMCD Platinum Edition Volume 2, 2009 and
Subsequent Supplementary Updates

SUPPLEMENT TO INSTRUCTIONS TO TENDER
PART II

- 5.3.6 Appendix 6 A complete list of labour classifications and equipment, along with their rates, that may be used during force account work.

SUPPLEMENT TO FORM OF TENDER

- Appendix 1 Supplement to the Form of Tender
The method of payment in schedules of Quantities and prices take precedence over the method of payment listed in the MMCD specifications.

SUPPLEMENTARY GENERAL CONDITIONS

- 4.11 Subcontractors 4.11.1 Add the following to GC4.11.1: "The Contractor shall be the person responsible for payment certification under S.7 of the Builders Lien Act."
- 9.4 Quantity Variations 9.4.1 Add to the end of this paragraph the following "Revisions to unit or lump sum prices will only be considered if the as tendered or final total of the item being considered constitutes 15% or more of the section of the Schedule of Quantities and Prices in which it appears."
- 10.1 Force Account Costs 10.1.1,(2) Substitute the phrase "*Approved Equipment Rental Rate Guide*" ..." with "Appendix 6 of the Form of Tender."

MASTER MUNICIPAL CONSTRUCTION DOCUMENTS

Tillicum Road Renewal

25.1.4 Correction of Defects Add the following paragraphs:

In the event that this work, in the opinion of the Owner, must be done immediately to restore service to the public or to prevent further damage, injury, or loss of life, the Owner may perform or cause to be performed, the necessary work and shall notify the Contractor accordingly. Work required under the maintenance period shall, except as otherwise provided herein for emergencies, be carried out by the Contractor or his representative within ten (10) days of the Owner's or the Owner's authorized representative's written instruction to perform the work. In the event that this work is not done by the Contractor within the ten (10) day period, the Owner may take whatever action is necessary to have the work done.

In the event that emergency repairs are required, the Owner will undertake to make such repairs as it deems necessary and will notify the Contractor as soon thereafter as possible. All costs for these repairs shall be borne by the Contractor. In some cases, it may be necessary for the Contractor to make final permanent repairs at his own cost.

All costs resulting from the necessity to do work under the warranty requirement, whether it is done by the Contractor, his representative, or the Owner, as provided herein, shall be borne by the Contractor. The Contractor shall, in addition, be liable to the Owner for all expenses, losses, or damages incurred by the Owner as a result of such faulty materials and defective workmanship or as a result of the Contractor's failure to meet the maintenance period requirements as specified herein, including, but without limiting the generality hereof, all costs of engineering, inspection, and testing work.

MASTER MUNICIPAL CONSTRUCTION DOCUMENTS

Tillicum Road Renewal

Supplementary Specifications**Field Engineering****Section 01050**

- 1.0 General**
- .1 Section 01050 addresses the general requirements for survey services for the project. This section must be referenced to and interpreted simultaneously with all other sections pertinent to the works described herein.
 - .2 The Contractor will be responsible for all construction layout.

Project Meetings**Section 01200**

- 1.0 General**
- .1 This section includes requirements for site and coordination meetings for all parties.
- 1.1 Preconstruction Meeting**
- .1 Prior to the start of construction, a preconstruction meeting will be held to introduce all parties involved in the project, confirm the appointment of official representatives of participants and finalize project start up and scheduling. Other project specific items will be discussed.
- 1.2 Regular Progress Meeting**
- .1 During the preconstruction meeting or through correspondence, the Contractor will be notified of the schedule and location of regular progress meeting.
 - .2 The meetings should be attended by a representative of the Contractor qualified and authorized to act on behalf of the Contractor.
 - .3 Meeting minutes will be recorded and distributed by the Contract Administrator.

MASTER MUNICIPAL CONSTRUCTION DOCUMENTS

Tillicum Road Renewal

Supplementary Specifications

Section	Subsection	Title	Supplementary Specifications
31 23 17 - Rock Removal	1.6	Measurement and Payment	Add Clause 1.6.6 which reads: "Payment for Sewer, Drain, Water, (and Streetlight duct not located within common utilities trench) trench rock will be by cubic metre. For measurement purposes, the volume of trench rock is defined as that amount below subgrade in areas of mass rock removal or below natural rock surface, extending down to 200 mm below the lowest designed pipe or service invert in the trench and having a width of 450 mm plus the nominal diameter of the service or services being installed. For two services in common trench this means the width of the two nominal diametres, plus the design separation between the pipes, plus 450 mm. No additional payment will be made for the excavation of structures. Measurement for pipe lengths will be from manhole/cleanout centre to centre.
31 23 17 - Rock Removal	1.6	Measurement and Payment	Add Clause 1.6.7 which reads: "Payment for Utilities (Hydro, Tel, Cable) trench rock will be by cubic metre. For measurement purposes, the volume of trench rock for all utility feeder and main trenches, box and appurtenance excavations shall be defined as 1.5 metres wide by 1.5 metres deep below subgrade in areas of mass rock removal, or below natural rock surface if below subgrade. Volume shall be calculated based on the above dimensions multiplied by the total length of trench. For measurement purposes, the volume of trench rock for all lot utility service trenches shall be 1.0 metres wide by 1.0 metres (per Lot) below subgrade or by the depth from natural rock surface. Volume shall be calculated based on the above dimensions multiplied by the length of trench from centreline of main to 600mm beyond property line at SRW."
31 23 17- Rock Removal	1.7.1	Seismic Survey and Monitoring	Replace "Contract Administrator" with "The Contractor".
	1.7.2	Seismic Survey and Monitoring	Replace the word "Owner" with the word "Contractor".

MASTER MUNICIPAL CONSTRUCTION DOCUMENTS

Tillicum Road Renewal

Supplementary Specifications

	3.1	Blasting and Vibration Control	In Clause 3.1.2, add the following sentence: "The resultant peak particle velocity at any structure shall not exceed 50mm/sec."
	3.2	Rock Removal	Add Clause 3.2.10 which reads "Scale rock faces to the satisfaction of the geotechnical engineer".
31 24 13 - Roadway Excavation, Embankment and Compaction	1.8	Measurement and Payment	In clause 1.8.12, add: "including costs for supply and placement of associated backfill materials".
	3.4	Placing	In clause 3.4.8.1, replace "1m" with "600mm".
			In clause 3.4.8.2, replace "1.5m" with "600mm".
3.5	Compaction	In clause 3.5.2, add: "or equivalent density".	
33 40 01 - Storm Sewers 33 30 01 - Sanitary Sewers	1.6	Measurement and Payment	Add Clause 1.6.8 Payment for pipe depth for pipes in existing roadways or for off road situations will be from original grade to design invert. For pipes in new roadways, payment will be from design subgrade to design invert.
33 40 01 – Storm Sewers 33 30 01 – Sanitary Sewers	3.12.1 3.18.1	Video Inspection	Add to the end of paragraph 1 "The video inspection report shall be to WRC standards."
33 44 01 - Manholes and Catchbasins	1.5	Measurement and Payment	Add to 1.5.1 For manholes to be paid by their depth, payment will be from design finished grade of lid to the lowest design invert.

SCOPE OF WORK

Tillicum Road Renewal

The work consists of, but is not necessarily limited to, construction of curbs, sidewalks, asphalt and pedestrian signals. Contractor will include supply and installation of material, excavation and backfill, grading, compacting, testing, clean-up and all other necessary items to complete the work as indicated on the Contract Drawings.

Note: All existing service locations must be confirmed before construction, with any conflicts reported to the engineer. The methods of payment in this Scope of Work supersedes the methods of payment in the MMCD.

Section A – General Requirements

1. Site mobilization and demobilization
 - a. Mobilization and demobilization of manpower, materials and equipment
 - b. Maintain the sites in an acceptable appearance
 - c. Provision of project signage as per MMCD 01 58 01
2. Traffic Control
 - a. Supply of trained traffic control personnel, installation and maintenance of all necessary signage as per MMCD Section 01 55 00 and the Traffic Control manual for Work on Roadways to the various work sites
3. Temporary Structures
 - a. Provision of a site office and laydown yard if the contractor determines that these items are required
4. Environmental Protection
 - a. Environmental protection as per MMCD 01 57 01 to the various work sites
5. Dust Control
 - a. Dust control as per MMCD 31 15 60 to the various work sites

Payment for these items shall be made as lump sum

Section B – Removals and Disposals

1. Taper Milling
 - a. As detailed on the drawings, mill 50 mm at the gutter line with a this depth tapering to 0 mm on the other side of the milling machine as per MMCD 32 01 16.7
 - b. It has been assumed that the width of the milling machine drum is 2 metres
 - c. Disposal of milled materials off site
 - d. Payment for this item will be based on square metres
2. Asphalt Fill (50mm)
 - a. Mill areas as directed by the Contract Administrator to a depth of 50mm
 - b. Payment will be made by square meter
3. Full Depth Removal

SCOPE OF WORK

Tillicum Road Renewal

- a. As detailed on the drawings, remove the existing asphalt by either milling or saw cutting and dispose offsite
- b. Excavate to a depth as per remove and reinstate detail and dispose of the material off site
- c. Payment will be made by square meter
4. Curb & Gutter, Sidewalk
 - a. Remove and dispose of the existing concrete curb, gutter and sidewalk as indicated on the plans
 - b. Payment will be based on square metres
5. Catch Basin and Lead
 - a. Remove the existing catch basin and lead as indicated on the plans
 - b. Payment will be lump sum
6. Paint Markings and Surface Cleaning
 - a. Removal of paint markings and surface preparation to be completed as per MMCD 32 01 11
 - b. Payment will be made as lump sum

Section C – Concrete Works

1. Concrete Curb
 - a. Supply, placing and compaction of granular base material as per MMCD 32 11 23
 - b. Supply and installation of concrete curb as per MMCD 03 30 20
 - c. Payment will be per lineal meter of curb placed
2. Concrete Sidewalk 100mm
 - a. Supply, placing and compaction of granular base material as per MMCD 32 11 23
 - b. Supply and installation of concrete sidewalk as per MMCD 03 30 20
 - c. Payment will be per square metre of sidewalk installed
3. Concrete Sidewalk 150mm
 - d. Supply, placing and compaction of granular base material as per MMCD 32 11 23
 - e. Supply and installation of concrete sidewalk as per MMCD 03 30 20
 - f. Payment will be per square metre of sidewalk installed

Section D – Road Works

1. Asphalt Overlay
 - a. The maximum cross fall on the road surface is to be 3%. If the cross fall exceeds 3% review possible options and solutions with the Contract Administrator. Proceed as directed by the Contract Administrator and additional costs incurred will be based on force account with the labour and equipment rates from the appendix 6 of the form of tender.
 - b. Carryout sweeping operations and disposal of sweepings off site
 - c. Provide dust control as required
 - d. Supply and installation of asphalt tack coat as per MMCD 32 12 13.1

SCOPE OF WORK

Tillicum Road Renewal

- e. Supply, placement and compaction of 50 mm of Upper Course #1 asphalt concrete paving as per MMCD 32 12 16
 - f. Upper Course Asphalt to include Ace Fiber asphalt reinforcement mixed at the asphalt plant as per manufacturer/suppliers specifications (supplied by Nilex)
 - g. Contractor shall contact City of Victoria Water Department to coordinate requirements for water valve adjustment and inspection/acceptance
 - h. Contractor shall inspect the road and coordinate requirements for casing adjustment before carrying out overlay operations
 - i. Contractor shall be responsible for the adjustment of all manholes to meet the requirements of the overlay
 - j. Payment for this item will be based on square metres
2. Asphalt Fill (50mm)
- a. Supply, place and compact MMCD lower course #1 mix to bottom of overlay elevation
 - b. Supply and installation of asphalt tack coat as per MMCD 32 12 13.1
 - c. Supply and place Geogrid GlassGrid 8512 as shown on the plans and details and as per manufacturers and suppliers specifications (supplied by Nilex)
 - d. No vehicles, other than paving equipment for the purpose of paving activities, are to drive on the placed geogrid except emergency response vehicles
 - e. Payment for this item will be based on square meter
3. Full Depth Repair
- a. Rebuild road structure as per Sub excavation Detail.
 - b. Supply and installation of two lifts of 50mm Lower Course #1 asphalt as per MMCD 32 12 16
 - c. Supply and place Geogrid GlassGrid 8512 per manufacturers and suppliers specifications (supplied by Nilex)
 - d. Payment for this item will be based on square meter
4. Asphalt Driveway
- a. Supply, placement and compaction of 50 mm of Upper Course #1 asphalt concrete paving as per MMCD 32 12 16 and as indicated on the plan
 - b. Payment for this item will be based on square meter
5. Island
- a. Supply, placing and compaction of granular base material as per MMCD 32 11 23
 - b. Supply and installation of concrete curb as per MMCD 03 30 20
 - c. Supply, placement and compaction of 50 mm of Upper Course #1 colored and brick pattern stamped, red colored asphalt concrete paving as per MMCD 32 12 16. The Contract Administer is to sign off on the color prior to placement.
 - d. Payment for this item will be based on lump sum
6. Line Markings and Signage
- a. Supply and installation of all manpower, equipment and material to install all road striping and signage detailed on the drawings
 - b. All line markings to be thermoplastic and as per MMCD 32 17 23

SCOPE OF WORK

Tillicum Road Renewal

- c. Payment for this item will be based on lump sum
- 7. New Catch Basin and Lead
 - a. Saw cut or mill asphalt to boundaries for work and dispose offsite
 - b. Excavate existing material and dispose offsite
 - c. Removal of existing catch basin and supply and installation of two catch basins, lead and connections to manholes as per MMCD 33 44 01 and drawing S11
 - d. Supply and install all required bedding material.
 - e. Supply and install capping off of existing mains
 - f. Supply, placing and compaction of granular backfill material as per MMCD 32 11 23
 - g. Supply, placing and compaction of 150 mmm road base gravel
 - h. Supply, placing and compaction of 50 mm Upper Course #2 asphalt as per MMCD 32 12 16
 - i. The contractor shall be responsible for the supply and installation of any shoring and dewatering operations for the work
 - j. The contractor shall expose all connection points to confirm inverts and alignments
 - k. Payment for this item will be based on lump sum.
- 8. Landscape Restoration
 - a. Supply, placing and grading of 100mm topsoil
 - b. Supply, placing, planting of hydro-seed
 - c. Payment for this item will be based on lump sum

Section E – Electrical Works

- 1. New Base, Poles and Pedestrian Signals
 - a. Supply and installation of base, pole, AC and DC solar signals and wiring as per drawing/ details as well as manufacturers specifications.
 - b. Payment will be based on lump sum.

TIL LICUM ROAD RENEWAL

STA (3+516.75 - 3+608.65) & STA (4+113.00 - 4+341.00)



LOCATION PLAN

SCALE 1 : 5000

DRAWING INDEX

DRAWING No.	SHEET No.	DRAWING TITLE	REVISION No.
C - 000	1	COVER SHEET, DRAWING INDEX, LOCATION PLAN AND NOTES	1
C - 200	2	PLAN & PROFILE STA (3 + 516.75 - 3 + 608.65)	1
C - 201	3	PLAN & PROFILE STA (4 + 053.50 - 4 + 200.00)	1
C - 202	4	PLAN & PROFILE STA (4 + 200.00 - 4 + 341.00)	1
C - 600	5	PAINTWORKS	1
C - 800	6	SECTION AND DETAIL PLANS	1
C - 801	7	DETAIL PLANS	1

ISSUED FOR TENDER
APRIL 30, 2018

GENERAL NOTES:

- ALL CONSTRUCTION AND MATERIALS TO BE IN ACCORDANCE WITH MUNICIPAL CONTRACT DOCUMENTS (MCD) PLATINUM EDITION STANDARD SPECIFICATIONS AND DRAWINGS, EXCEPT AS OTHERWISE NOTED IN THESE DRAWINGS OR THE CONTRACT DOCUMENTS.
- CONTRACTOR TO OBTAIN ALL APPLICABLE PERMITS TO UNDERTAKE THE REQUIRED WORKS FROM ALL APPLICABLE AUTHORITIES.
- THE CONTRACTOR SHALL NOTIFY IN WRITTEN FORMAT ALL AFFECTED RESIDENCE AND BUSINESSES A MINIMUM 4 DAYS PRIOR TO COMMENCING THE CONSTRUCTION.
- 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.
- 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.
- CONTRACTOR IS RESPONSIBLE IN MAINTAINING A SINGLE ALTERNATING TRAFFIC FLOW AS PER TENDER.
- ALL EQUIPMENT TO BE LEFT ON SITE SHALL BE TEMPORARILY PARKED OFF TRAVELED PORTION OF THE ROAD AS DIRECTED BY THE TOWNSHIP.
- ELEVATIONS ARE GEODETIC.
- ALL MEASUREMENTS DIMENSIONS ARE IN METRIC.
- WHERE RECONSTRUCTION OR TYING TO EXISTING CONCRETE CURB OR SIDEWALK, REMOVE AND REPLACE EXISTING CURB OR SIDEWALK TO THE NEAREST EXPANSION JOINT.
- THE CONTRACTOR SHALL KEEP THE SITE NEAT AND TIDY AT ALL TIMES TO PROTECT PUBLIC SAFETY.
- THE CONTRACTOR SHALL ORGANIZE HIS WORKS TO MINIMIZE INCONVENIENCE TO THE PUBLIC AND INDIVIDUAL PROPERTY OWNERS.
- CONTRACTOR TO MAINTAIN SMOOTH TRAFFIC FLOW AT ALL TIMES DURING CONSTRUCTION.
- CONTRACTOR TO INSTALL A DESIGNATED SAFE PEDESTRIAN CORRIDOR IN THE EVENT THAT SIDEWALK IS UN-USEABLE TO THE PUBLIC.
- ALL MEASUREMENTS AND DIMENSIONS IS IN METRIC.
- ALL WORK SHALL BE CONSIDERED NEW UNLESS OTHERWISE NOTED.

DRAIN WORKS:

- ALL MATERIALS TO MMCD STANDARDS AND SPECIFICATIONS
- ALL TRENCHES BELOW 1.2m SHALL BE SHORED PROTECTED
- 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.
- COMPACTION AT ROAD AREA TO BE 98% MPD WHILE 95% MPD AT BOULEVARD AND SIDEWALK AREAS.
- ALL PVC PIPES TO BE USED SHALL BE SDR 35 DRAIN PVC OR EQUAL.
- 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.
- ALL ACTIVE SERVICE CONNECTIONS AFFECTED SHALL BE RECONNECTED TO NEW DRAIN LINE INSTALLED. ALL UNKNOWN DRAIN SERVICE NOT MARKED IN THE DRAWING PLAN ISSUED SHALL BE FLAG AND REPORTED TO THE TOWNSHIP'S ENGINEERING DEPARTMENT FOR EITHER BE RE-CONNECTED OR BE ABANDONED.
- REPORT ALL AS-BUILT DATA TO THE ENGINEERING AFTER THE CONCLUSION OF THE PROJECT.

PAINTLINE WORKS:

- ALL EXISTING LINE PAINTING REMOVED SHALL BE RESTORED AS SHOWN UNLESS OTHERWISE.
- ALL LINE PAINTING AS PER MINISTRY OF TRANSPORTATION STANDARDS AND TOWNSHIP OF ESQUIMALT.
- ZEBRA CROSSWALKS TO BE 3.0m WIDE AND 600mm THICK THERMOPLASTIC PER MMCD 2009 PLATINUM EDITION APPROVED.
- DOUBLE CENTER PAINTLINE TO BE 100mm TOWNSHIP APPROVED THICK YELLOW ALKYD PAINT LINE.
- EXISTING PAINTLINE TO BE REMOVED SHALL BE RUBBED OR GRIND TOTALLY.
- ALLOW WET PAINT WORKS TO DRY FOR ABOUT 4 HOURS BEFORE OPENING TO TRAFFIC.
- ALL EXISTING CURB PAINTING DAMAGED SHALL BE RESTORED.

GENERAL NOTES CONTINUED:

- 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.
- NO PLANS SHALL BE SCALED, DIMENSIONS SHALL BE USED UNLESS DIRECTED BY THE TOWNSHIP REPRESENTATIVE.
- ALL LABOR, MATERIALS AND INSTALLATION MUST COMPLY WITH THE CODES, RULES AND REGULATIONS OF ALL AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCY WHICH EXISTS 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.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTION OF EXISTING WORK AND NEWLY ADDED WORK.
- 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.
- 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.
- 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.
- 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.
- CONTRACTOR TO VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO DOING ANY EXCAVATION WORKS.

CONCRETE WORKS:

- 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.
- THE POINT FOR NEW TO EXISTING CONCRETE SIDEWALK SHALL BE SAW-CUT.
- COLD JOINT TO BE 1.5m SPACING.
- 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.
- EXPANSION JOINTS FOR SIDEWALK SHALL BE INSTALLED EVERY 3 PANELS/PARTITION TO A MAXIMUM OF 9.0m SPACING WHILE EXPANSION JOINTS FOR CURB AND GUTTER TO BE EVERY 9.0m. EXPANSION JOINT MATERIALS TO BE OF MMCD SPECIFICATIONS.
- 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.
- 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 START FOR AT LEAST 5 DAYS.
- 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 24 HOURS.
- 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.

GENERAL NOTES CONTINUED:

- 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 THE AREA AND CALL 911.
- 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 T.C.P.S. 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.
- 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.
- SIDEWALK CLOSURES SHALL BE DONE TO THE NEAREST PEDESTRIAN CROSSWALK. SIDEWALK SIGNS SHOULD BE MARK AND LIGHTED AT NIGHT TIME FOR VISIBILITY.

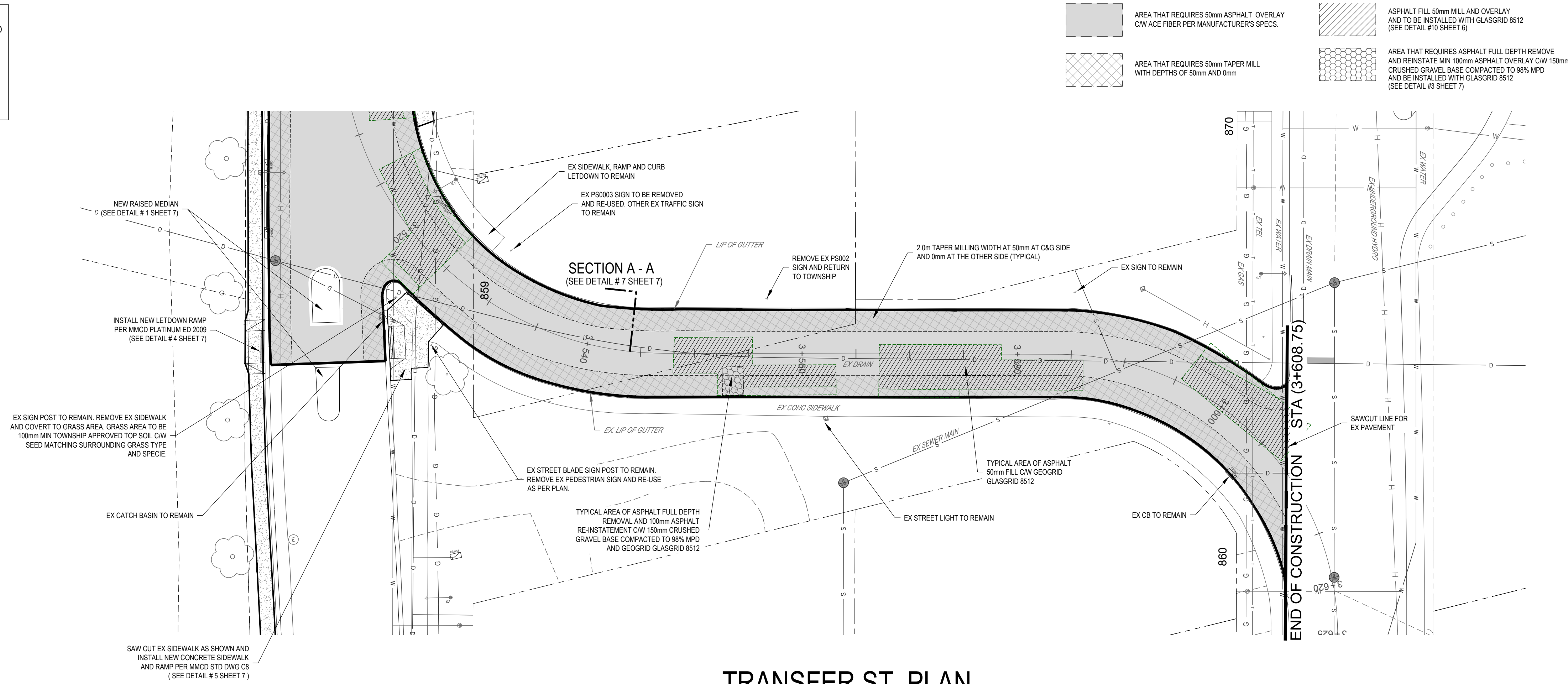
ROAD WORKS:

- TOP OF PAVEMENT TO MATCH RIM OF UTILITY COVERS. NOTIFY TOWNSHIP FOR OBVIOUS CHANGE IN GRADE OR CROSS SLOPES.
- DEPTH OF FULL PAVEMENT MILL IS ±100mm FOR ARTERIAL AND MAJOR COLLECTOR ROADS WHILE ±70mm FOR RESIDENTIAL ROADS. TOP PAVEMENT MILL IS 50mm MINIMUM OR AS DIRECTED BY THE TOWNSHIP.
- 50mm TOP LIFT ASPHALT OVERLAY TO HAVE ACE FIBER MIX PER MANUFACTURERS SPECS BY WEIGHT AT ASPHALT BATCH.
- DEPTH OF SELECTIVE AREA TO BE EXCAVATED MINIMUM 250mm FROM PROPOSED GRADE OR AS DIRECTED BY THE TOWNSHIP.
- AREAS FOR GEOGRID APPLICATION SHALL BE MILLED MILLED 20mm FOR LEVELING COURSE APPLICATION OTHERWISE 50mm FOR OTHER APPLICATIONS. AREAS SHALL BE TACK COAT BLANKETED THE AREA FOR GEOGRID APPLICATION BEFORE LAYING THE GLASGRID 8512.
- REFER TO GEOGRID MANUFACTURERS INSTALLATION MANUAL FOR ADDITIONAL INFORMATION NEEDED.
- INSTALLED GEOGRID MUST BE ROLLED ONLY BY WHEEL ROLLERS TO ATTAIN OPTIMAL BOND WITH THE EXISTING PAVEMENT. APPLY TACK COAT (SCAN) ON TOP OF THE NEWLY INSTALLED GEOGRID AND ALLOW TO CURE BEFORE PLACING THE TOP LIFT ASPHALT OVERLAY.
- NEWLY INSTALLED GEOGRID SHALL NOT BE ALLOWED TO BE DRIVEN OVER BY PUBLIC VEHICLES EXCEPT EMERGENCY VEHICLES WITH SPEED NO MORE THAN 20 KPH.
- EXISTING OR NEWLY INSTALLED CATCH BASIN, SANITARY / STORM MANHOLES TO BE PROTECTED AT ALL TIMES FROM MILLED AND EXCAVATED MATERIALS DURING THE OPERATION.
- ALL CUT AREAS AT EXISTING PAVEMENT EXPOSED FOR ASPHALT OVERLAY SHALL BE APPLIED BY TACK COAT ADEQUATELY.
- CONTRACTOR TO INSTALL TEMPORARY REFLECTORIZED MARKINGS ON THE MILLED PAVEMENT AS LANE DELINEATOR FOR TWO OR MULTIPLE TRAFFIC LANES IMMEDIATELY.
- TEMPORARY ASPHALT RAMPS TO BE INSTALLED AT THE START AND END OF THE MILLED AREA FOR THE BOTH TRAFFIC DIRECTIONS OF EACH ROAD AFFECTED. EXPOSED UTILITY RIMS SHALL BE SMOOTHEN BY REMOVING THE CORNERS AND CHAMFERED TO THE SATISFACTION OF THE TOWNSHIP.
- INSTALL UN-EVEN PAVEMENT OR HUMP SIGN AND REDUCE SPEED TO 30 kph at 30.0m BEFORE ENGAGING THE HUMP. ANOTHER UN-EVEN SIGN 50.0m THEREAFTER.
- PAINT THE EDGES OF THE CHAMFERED MILLED PORTION WITH REFLECTORIZED ORANGE PAINT. CONTRACTOR SHALL MAINTAIN THE VISIBILITY OF THE PAINT AT ALL TIMES UNTIL THE FINAL LIFT OF ASPHALT IS COMPLETED.
- TEMPORARY LANE PAINT OR MARKERS SHALL BE INSTALLED IMMEDIATELY AFTER OVERLAYING THE FINAL LIFT OF THE ASPHALT.
- FINAL LANE PAINTLINE, CURB PAINTING AND ROAD SIGN MARKINGS SHALL BE COMPLETED 3 DAYS AFTER THE ASPHALT PAVING IS COMPLETED UNLESS WEATHER IS A FACTOR.
- 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 WEEKS.
- ALL EXISTING TRAFFIC LOOPS TO BE RESTORED IN ITS ORIGINAL LOCATIONS UNLESS DIRECTED BY THE TOWNSHIP OTHERWISE.
- ADJUST UTILITY RIM FRAME AND COVER BY USING PROPER GRADE RINGS, ASPHALT OR CONCRETE INSERTS DURING PAVING WORKS IS NOT PERMITTED.

EROSION AND SEDIMENT CONTROL NOTES:

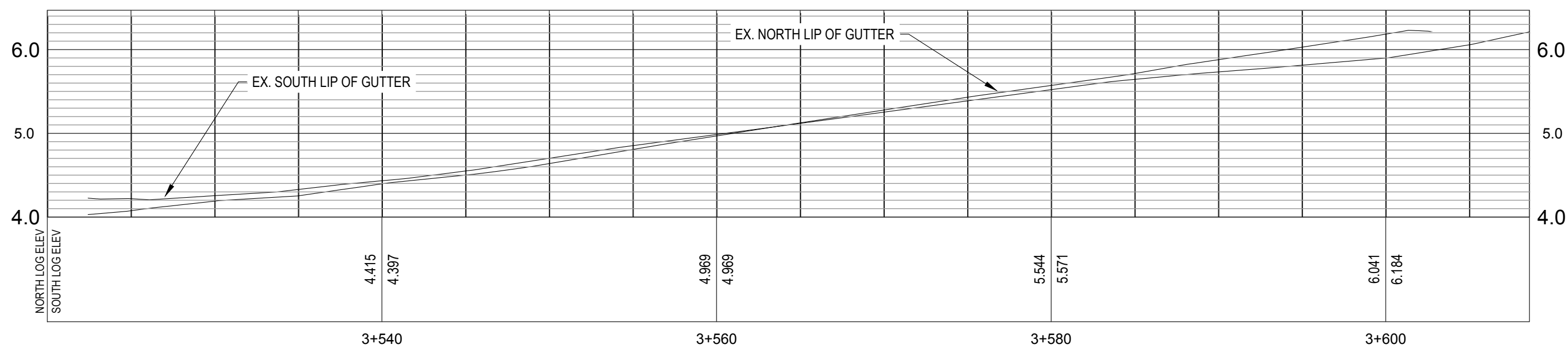
- PHASE CLEARING AND GRADING TO THE MAXIMUM EXTENT PRACTICAL TO PREVENT EXPOSED INACTIVE AREAS FROM BECOMING A SOURCE OF EROSION.
- INSTALL SILT FENCE AT THE DOWNSTREAM AREA PRIOR TO ANY WORK TO THE SATISFACTION OF THE TOWNSHIP'S REPRESENTATIVE. SILT FENCE TO BE REMOVED ONLY AFTER COMPLETION OF THE PROJECT OR ALL DISTURBED GROUND COVER HAVE GROWN/RECOVERED.
- 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.
- ANY STRIPPED AREAS NOT SUBJECT FOR CONSTRUCTION SHALL BE COVERED BY POLYPROPYLENE SINGLE NET STRAW EROSION BLANKET.
- ALL EXCAVATED MATERIAL PILED ON SITE SHALL BE 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.
- CONSTRUCTION ACTIVITIES MUST AVOID OR MINIMIZE EXCAVATION AND CREATION OF BARE GROUNDS DURING WET WEATHER.
- USE WATER, SOIL-BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND-BLOWN SOIL.
- INTENTIONAL WASHING OF SEDIMENT INTO STORM SEWERS OR DRAINAGEWAYS MUST NOT OCCUR AT ALL TIMES.

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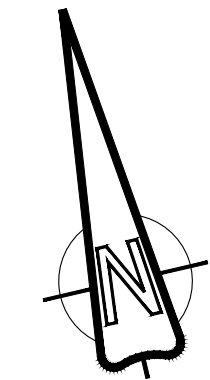
TRANSFER ST. PLAN

SCALE H= 1:250



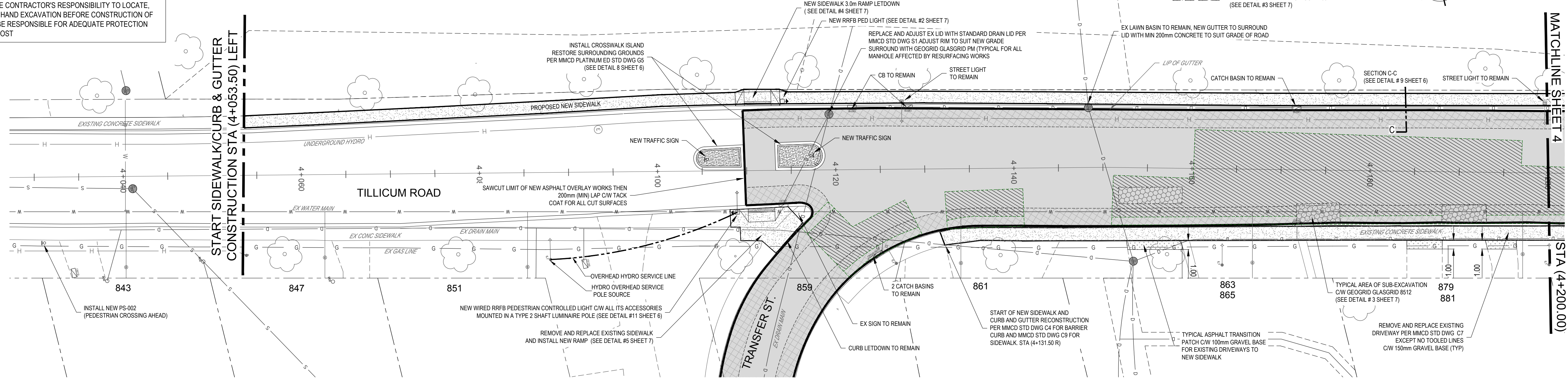
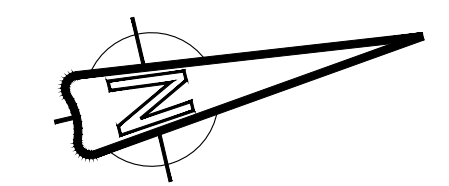
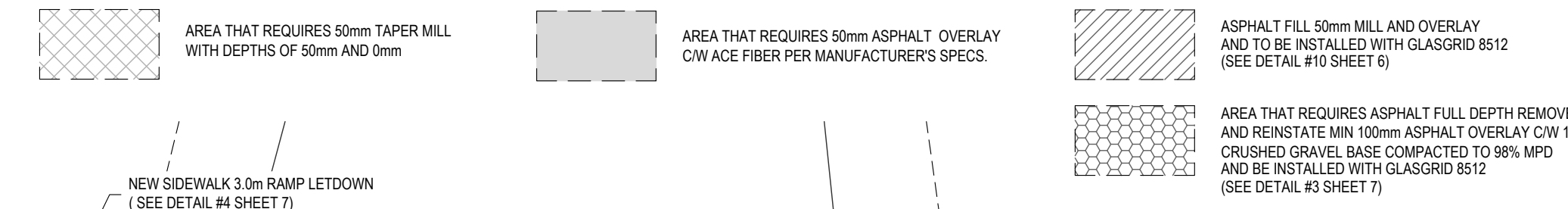
TRANSFER ST PROFILE

SCALE H= 1:250 V= 1:50

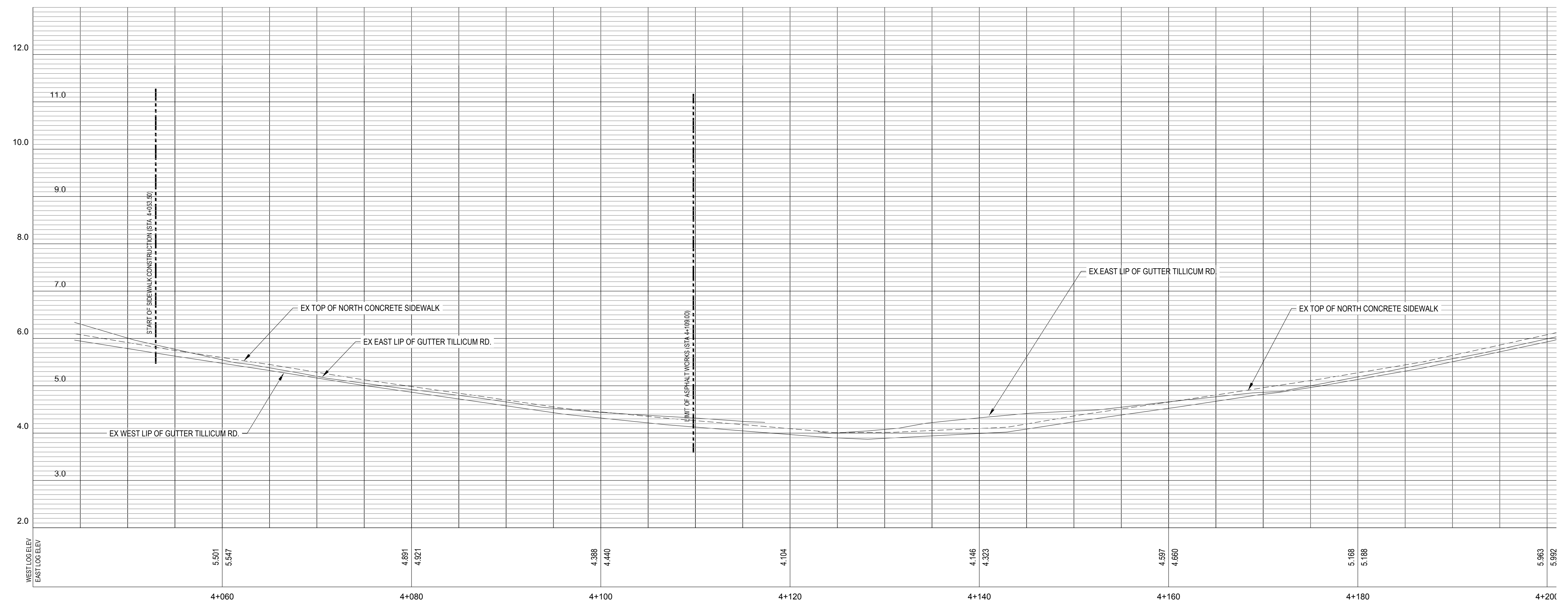


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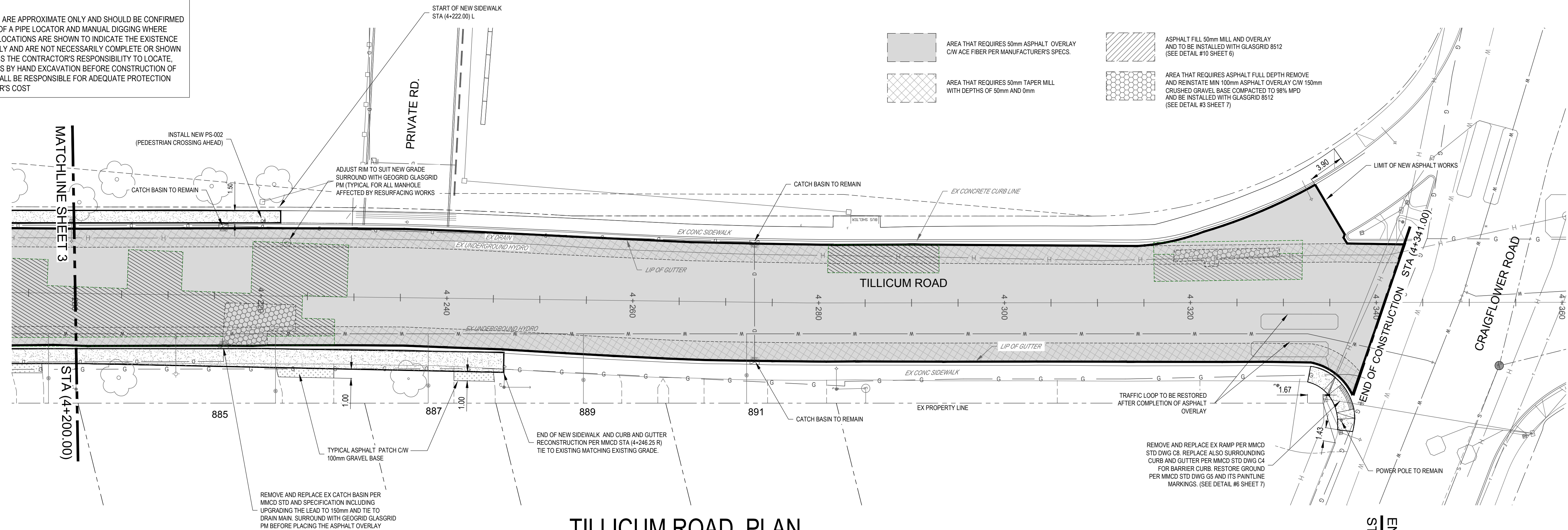
TILlicUM ROAD. PLAN
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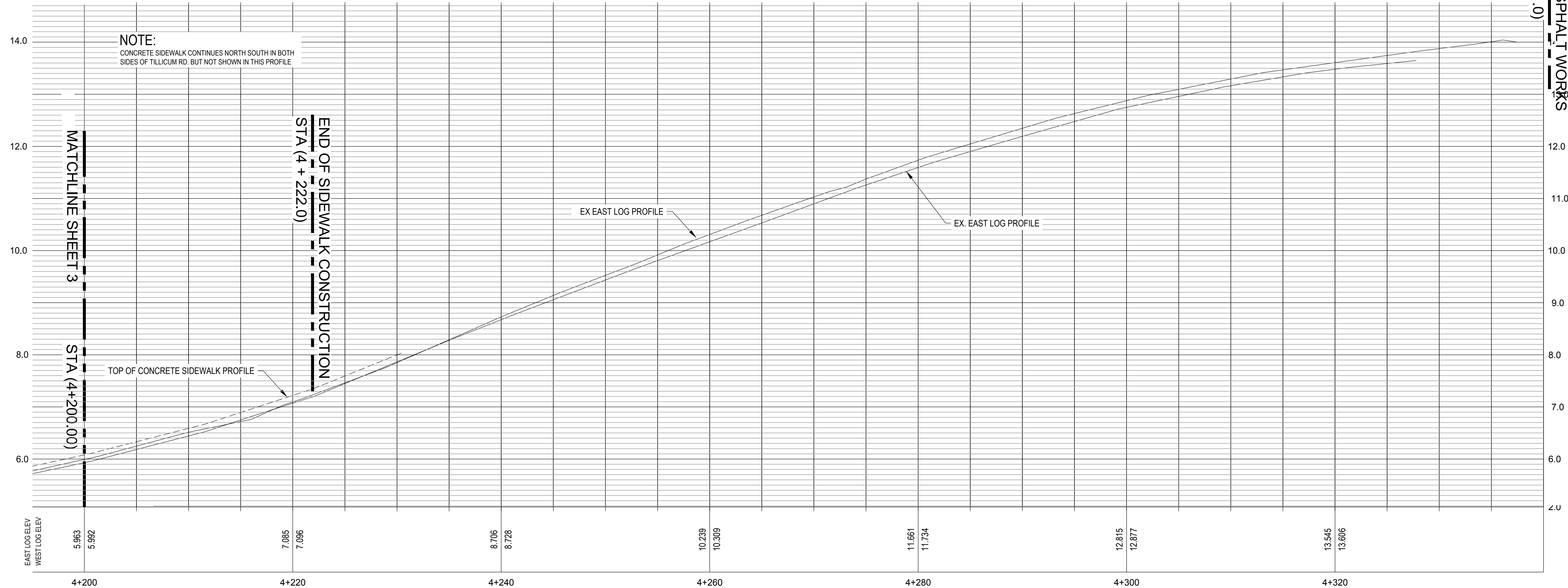
TILlicUM ROAD PROFILE
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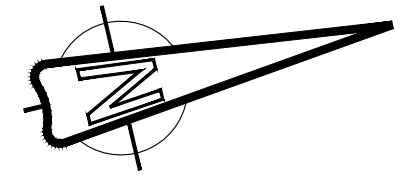
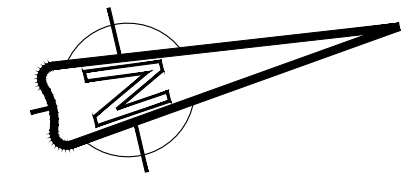
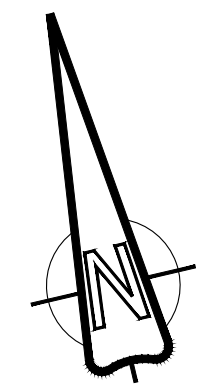
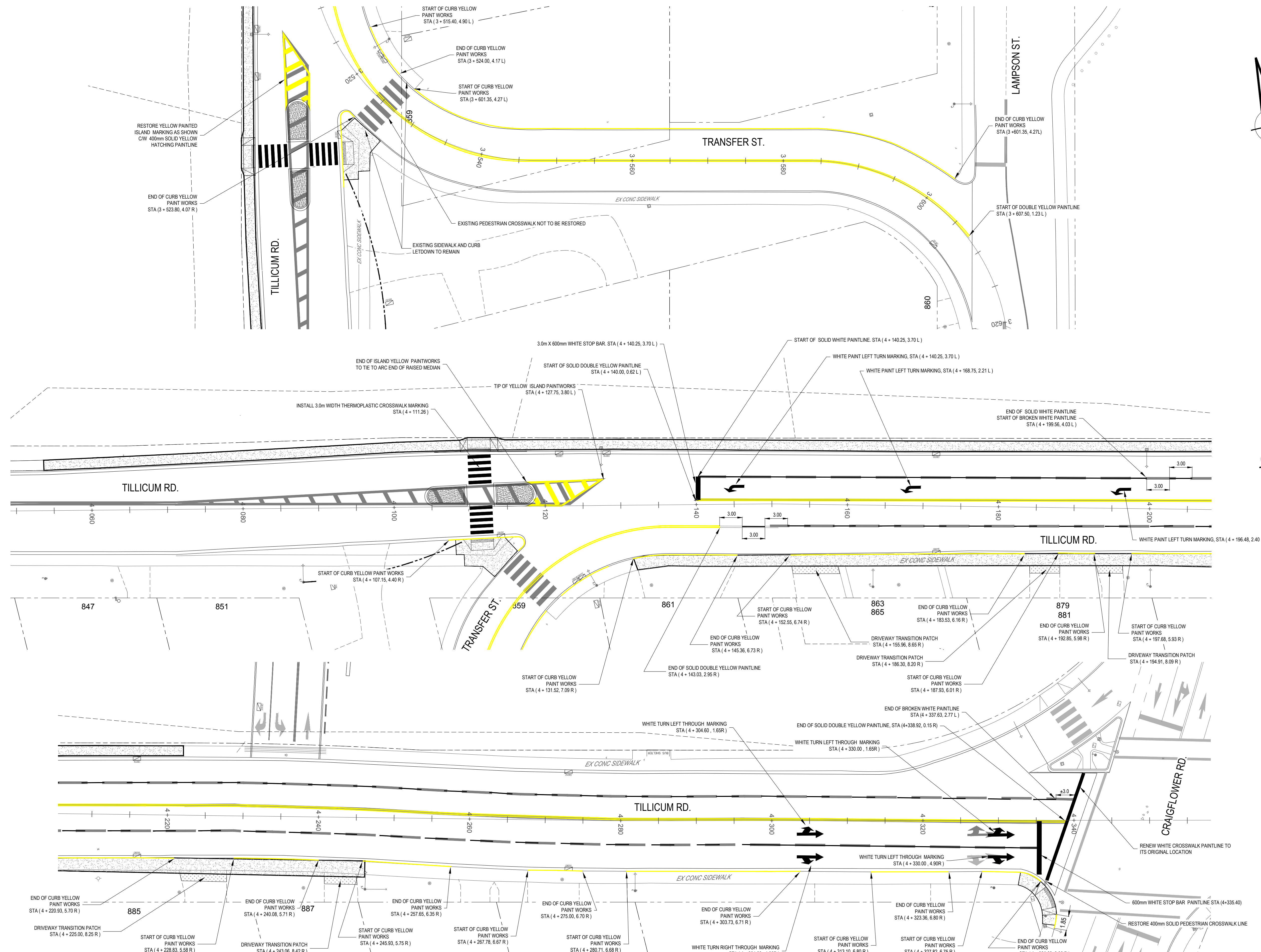


TILLICUM ROAD. PLAN
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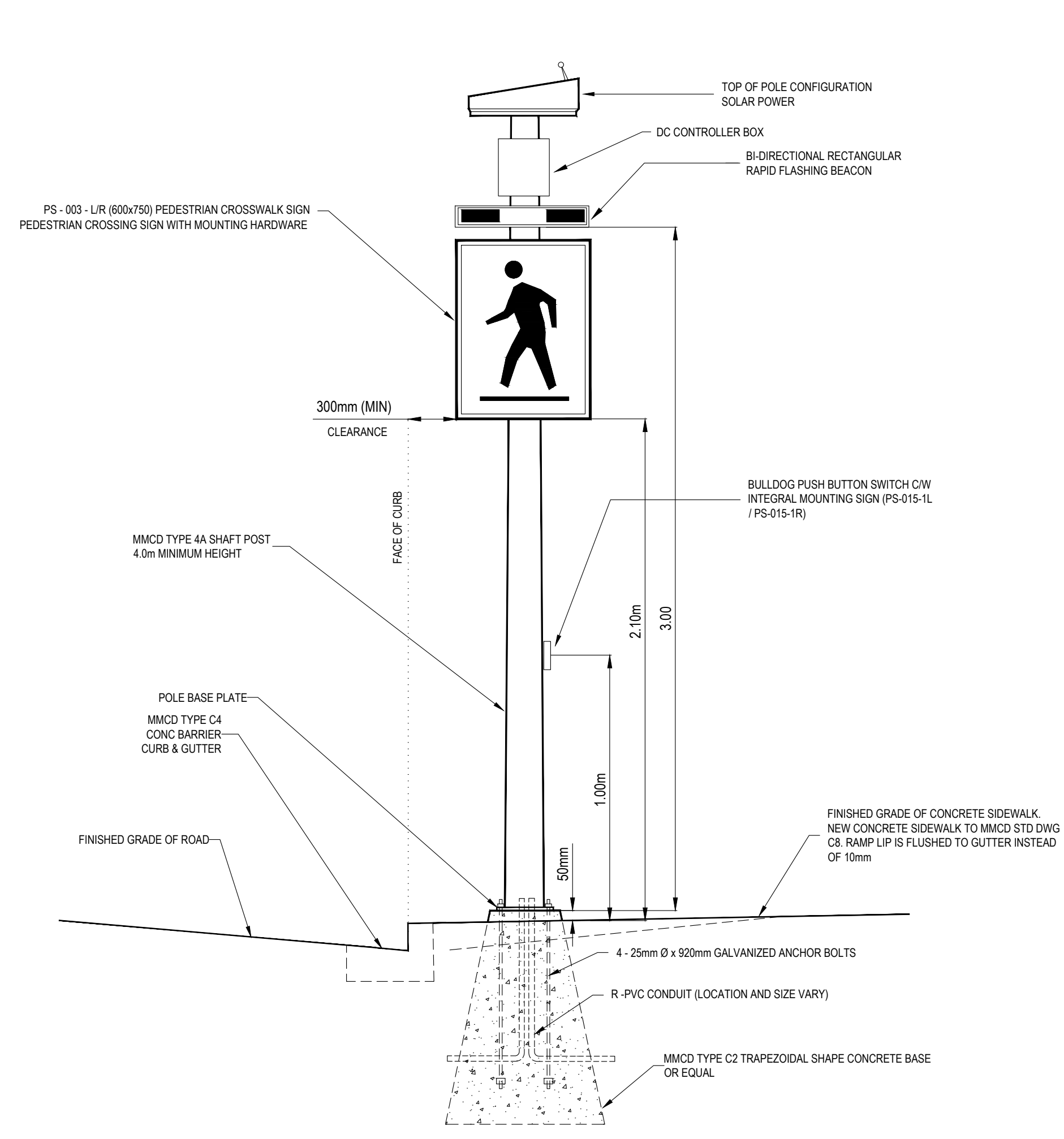


TILLICUM ROAD PROFILE
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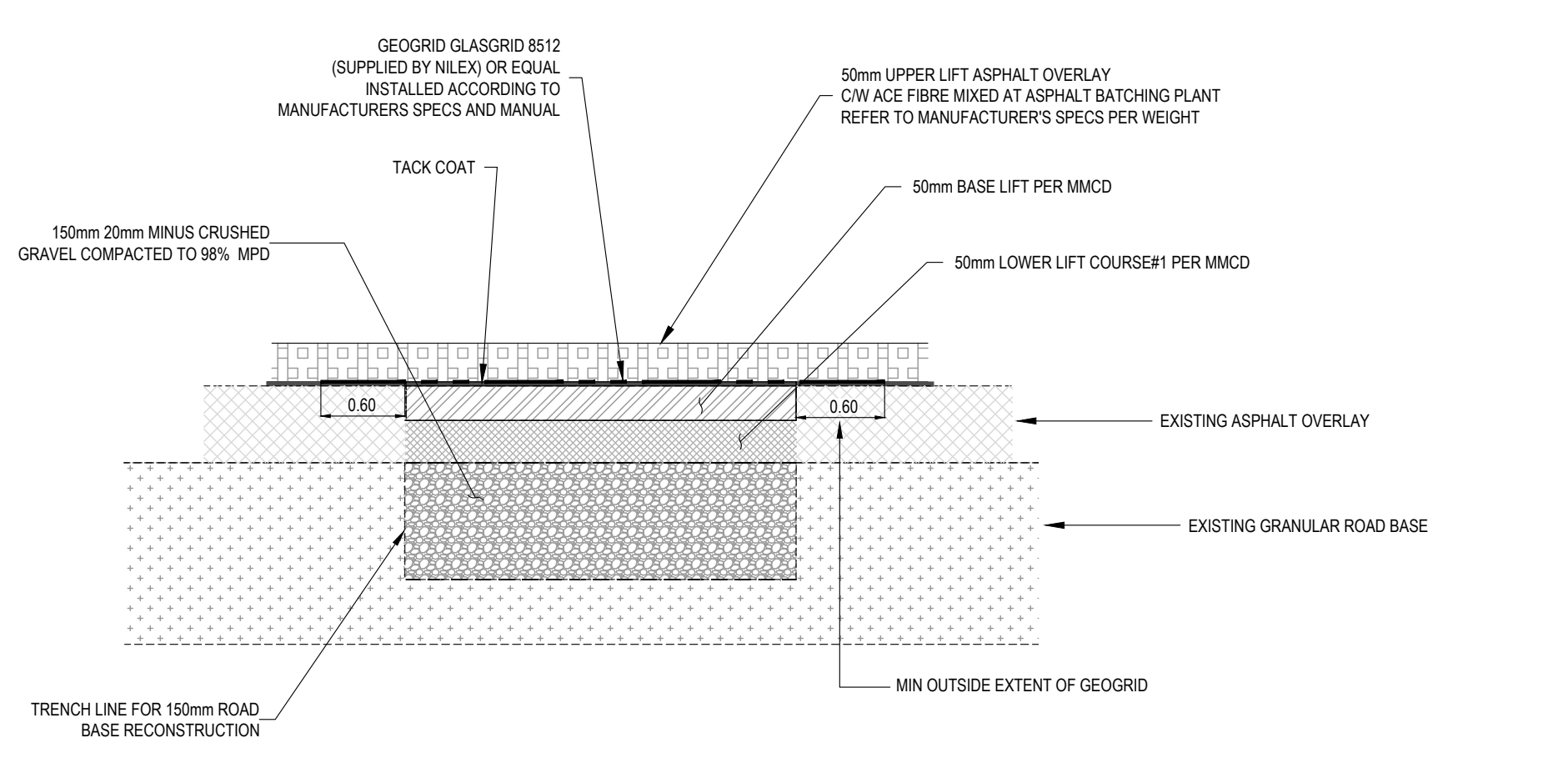
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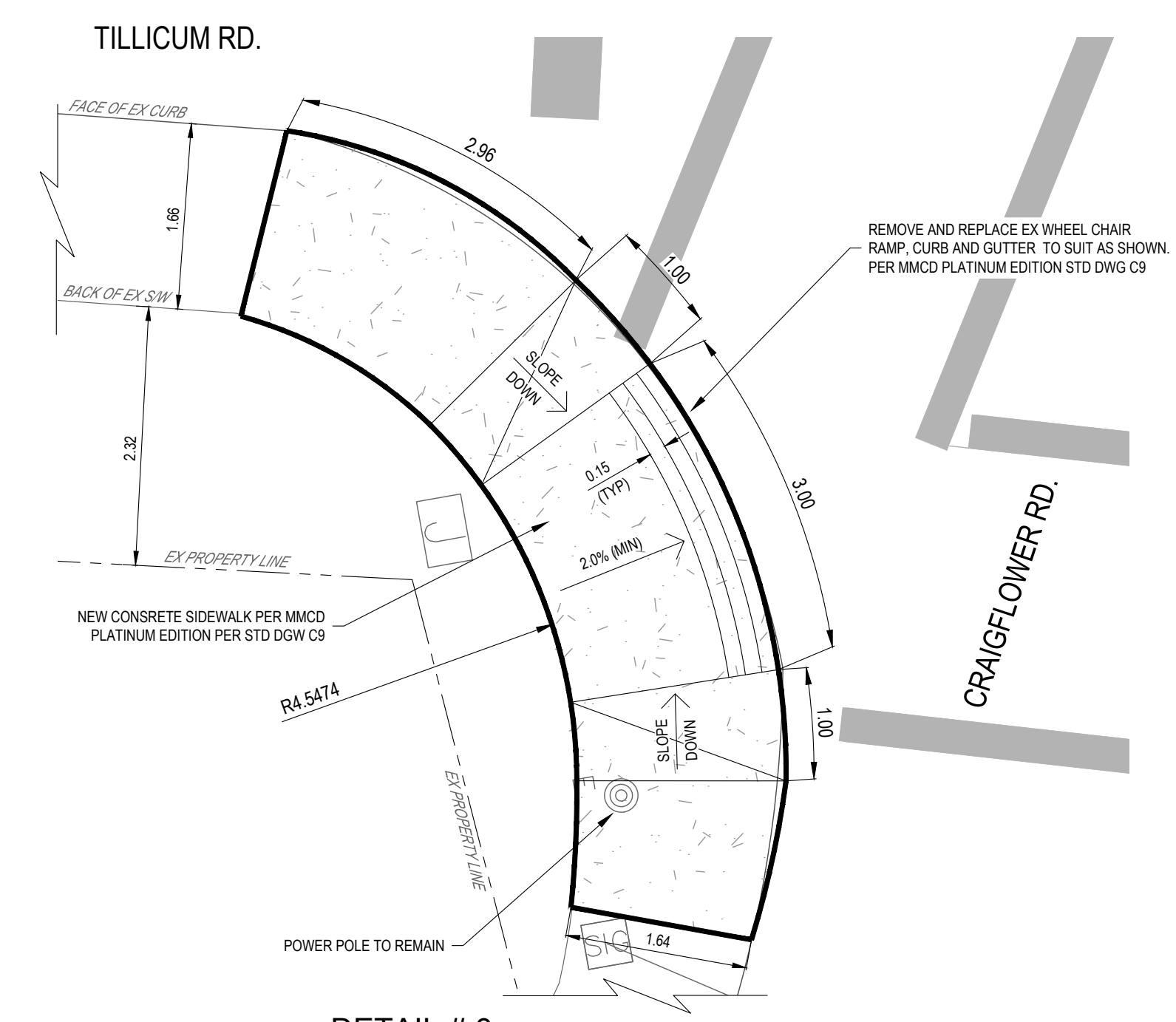
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<p>ELECTRICAL — H —</p>		<p>WATER VALVE — WV —</p>		<p>TEL POLE — TP —</p>		<p>DITCH LINE — DL —</p>		<p>DATE 18.04.30</p>		<p>DATE</p>		<p>DATE</p>		<p>MUNICIPAL ENG.</p>		<p>DATE 18.04.15</p>		<p>SHEET # 5</p>		



DETAIL # 2
PEDESTRIAN CONTROLLED CROSSWALK LIGHT
SCALE N.T.S.



DETAIL # 3
FULL DEPTH REMOVE AND RE-INSTALL
SCALE N.T.S.



DETAIL # 6
WHEEL CHAIR RAMP-COMBINED SIDEWALK C&G
SCALE 1:50



PS-002
PEDESTRIAN CROSSING AHEAD SIGN



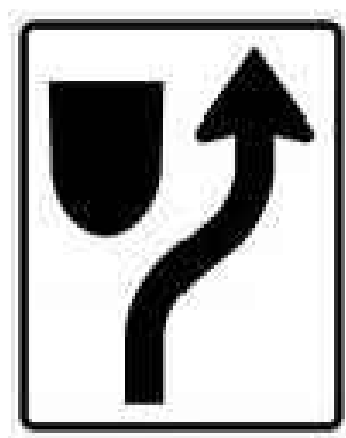
W-054-L
OBJECT MARKER



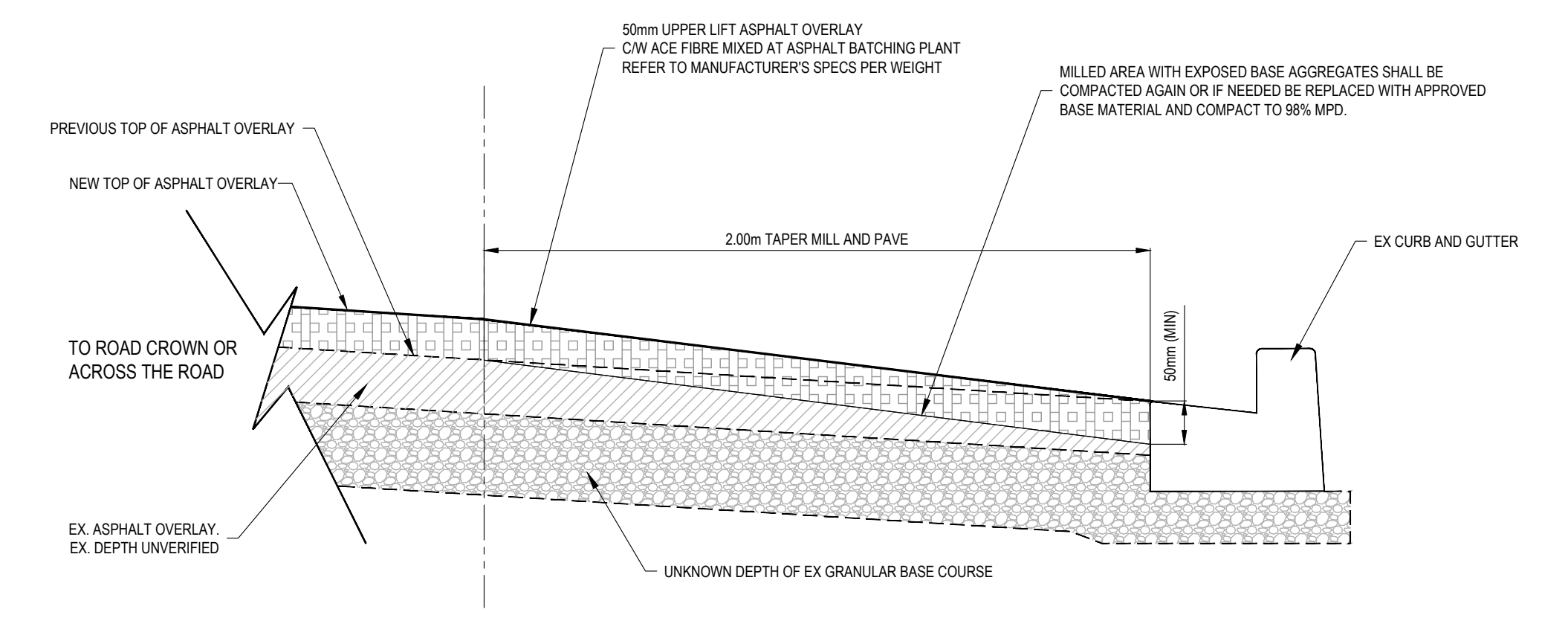
PS-015-1R
SIGNAL PUSH BUTTON TO WALK RIGHT ARROW



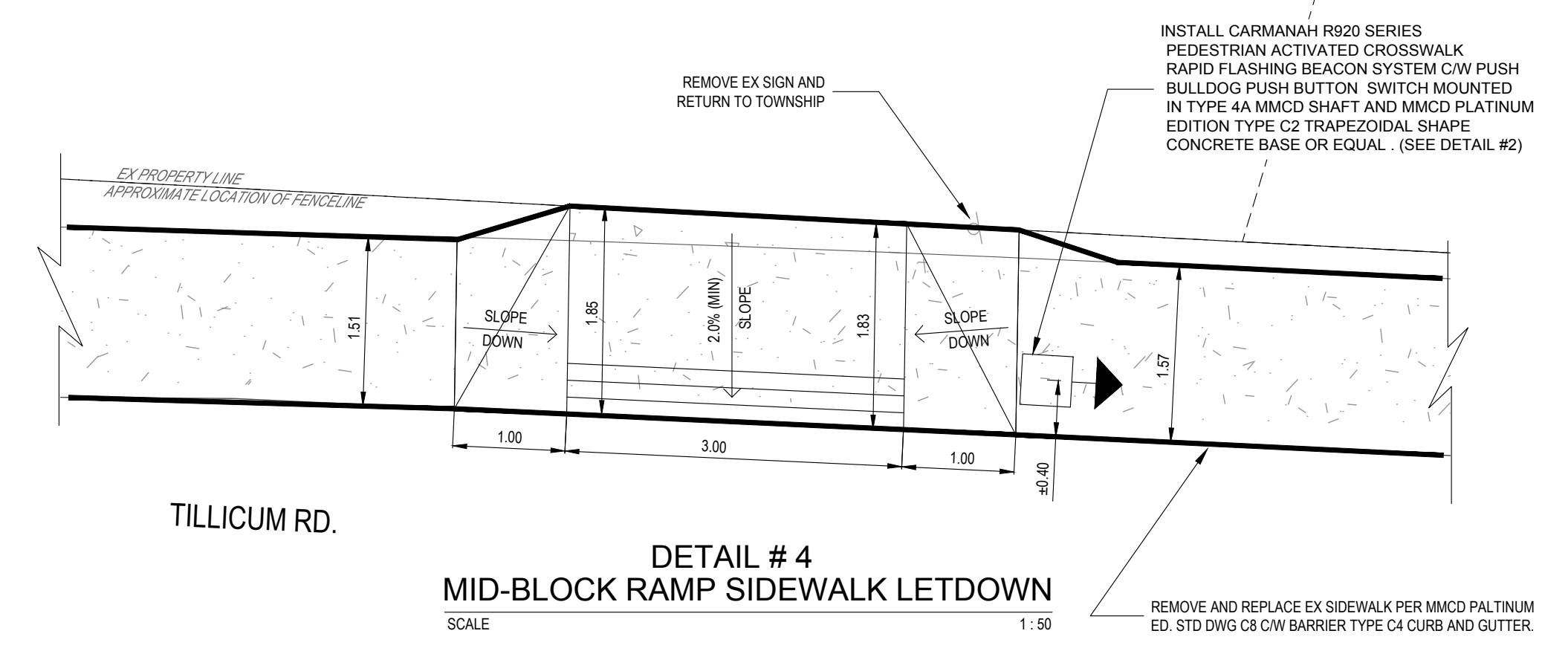
PS-015-1L
SIGNAL PUSH BUTTON TO WALK RIGHT ARROW



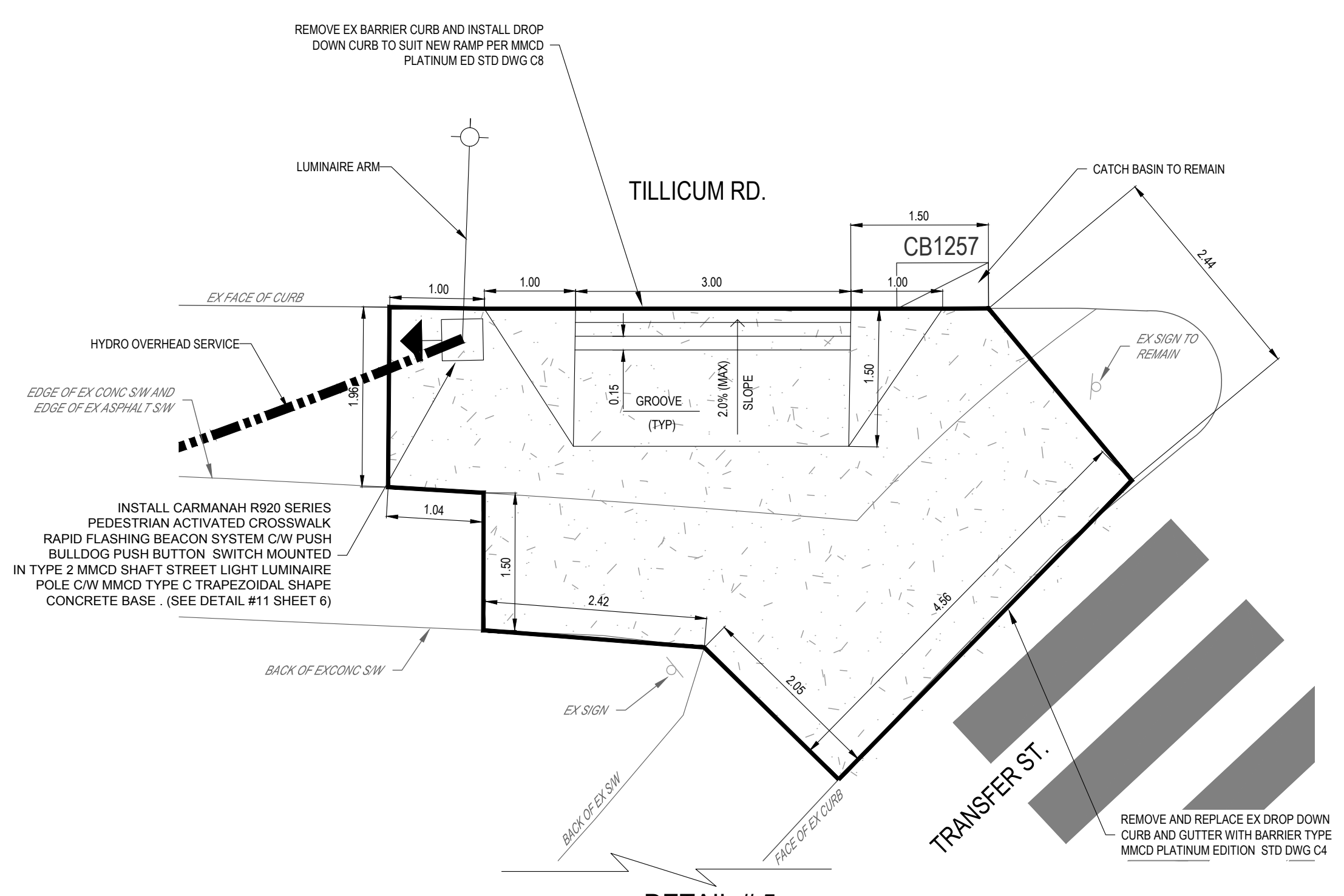
R-014-R
KEEP RIGHT SIGN MEDIAN/ISLAND LEFT



DETAIL # 7
SECTION A-A
SCALE N T S



DETAIL # 4
MID-BLOCK RAMP SIDEWALK LETDOWN
SCALE 1:50



DETAIL # 5
CORNER BLOCK RAMP SIDEWALK LETDOWN
SCALE 1:50

<p>CONFIRM UNDERGROUND LOCATIONS WITH UTILITY COMPANIES</p>	CABLE —TV—	LEGEND - Existing services shown solid										REVISIONS			REVISIONS APPROVED			DESIGN APPROVED			<p>TOWNSHIP OF ESQUIMALT TILlicum ROAD RENEWAL DETAIL PLANS</p>		PROJECT NO	E054
	DRAIN —D—	SIDEWALK S/W	TREE	ELECTRIC POLE	TEL POLE	SURVEY MONUMENT	ISSUED FOR REVIEW			REVISION 1	REVISION 2	REVISION 3	EXCEPTIONS	DATE	SIGN	CONTROL MONUMENTS		DESIGN NO.	C - 801					
	GAS —G—	DRAIN MANHOLE	CATCH BASIN	DRAIN CLEANOUT	LAWN BASIN	UNDERGROUND —UG—	ISSUED FOR TENDER			APP.	DATE	SIGN	APPROVED BY	18.04.15	WW	DESIGN ENG.	DESIGN EFS	DRAWN EFS	SURVEY HH	Sheet #	7			
	SEWER —S—	GAS VALVE	GAS SNIFFER	GAS METER	STREET LIGHT	TEL	TEL MANHOLE	TEL	DATE	SIGN	APP.	DATE	SIGN	APPROVED BY	18.04.15	JM	ASSIST. ENG.	DESIGN EFS	DRAWN EFS	SURVEY HH	DATE	2017.10.17		