



PURPOSE: 2025 HOT MIX PAVEMENT

CLOSING DATE: 11:00 am on Monday, May 5, 2025

SEALED TENDERS TO BE SUBMITTED TO:

**Scott McLeod, Public Works Manager
MUNICIPAL OFFICE
MUNICIPALITY OF ARRAN-ELDERSLIE
1925 BRUCE ROAD 10, P.O. BOX 70, CHESLEY, ONTARIO N0G 1L0
519-363-3039 ext. 115**

LOWEST OR ANY TENDER NOT NECESSARILY ACCEPTED

ELECTRONIC SUBMISSIONS WILL NOT BE CONSIDERED

TENDERING REQUIREMENTS

TENDER DEPOSIT or BID BOND

A certified cheque made payable to the Municipality of Arran-Elderslie in the amount of 10% of the total tender must be submitted with the tender. The cheque of unsuccessful Contractors will be returned within 14 days of tender opening. The cheque of the successful Contractor will be retained until the municipality's acceptance of the work.

Alternatively, the Contractor may include with the tender an Agreement to Bond, in the appropriate form, jointly executed by the Tenderer and the surety company from which the bonds will be obtained. Such surety company shall satisfy the conditions of the bonding requirements below.

a) The successful Contractor shall provide to the Owner a Performance Bond in the amount of 100% of the Contract Price and in a form acceptable to the Owner. The Performance Bond shall cover the faithful performance of the contract including corrections after final payment.

b) The successful Contractor shall provide the Owner with a separate Labor and Material Payment Bond from the same surety providing the Performance Bond in the amount of 50% of the Total Contract Price and in a form acceptable to the Owner and covering the payment of accounts incurred by the Contractor during the performance of the Work on this contract.

c) The Performance Bond and Labor and Material Payment Bonds shall be taken out with a guarantee surety company authorized by law to carry out business in the Province of Ontario and having an office in Ontario.

d) Document must be submitted with the tender as an original document. Electronic bonding (e-bonding) is not acceptable currently.

Tenders not accompanied by one of the above in original form will not be considered.

COMPANY BACKGROUND, RELEVANT EXPERIENCE & REFERENCES

An outline of the Contractor's company background including number of employees and years in business shall be included with the tender package. A minimum of three (3) references for relevant projects of a similar scope shall be provided which shall include contact details. The Municipality of Arran-Elderslie shall be permitted to contact references at their discretion to verify and confirm experience and workmanship.

LIST OF PROPOSED SUB-CONTRACTORS (IF ANY)

The Contractor shall include a listing of any proposed sub-contractors to be utilized in the course of the project which includes the relevant subtrade of the sub-contractor.

BASIS OF REJECTION OF TENDER

Tenders may be rejected for one or more of the following reasons:

- (a) Bids received after closing date and time.
- (b) Bids received on other than tender form supplied.
- (c) Failure to demonstrate sufficient experience and/or workmanship
- (d) Incomplete bids incl. missing tender deposit or original bid bond
- (e) Qualified or conditional bids.
- (f) Bids are not properly signed and sealed.

INSURANCE

Worker's Safety and Insurance Board Coverage (WSIB)

The contractor will maintain WSIB registration, pay all required premiums and meet all regulatory requirements and will, upon acceptance, provide a WSIB clearance certificate as verification that its account is in good standing.

Contractor's Equipment Floater

The contractor shall provide and maintain coverage on equipment used during the term of this Agreement. Coverage will be provided, on a broad form basis, for construction machinery, equipment, tools and stock that will be used by the Contractor in the performance of the work. The coverage will also include rental expenses.

Contractor's Pollution Liability

The Contractor shall carry a Contractor's Pollution Liability Policy, underwritten by an insurer licensed to conduct business in the Province of Ontario for a limit of not less than \$2,000,000. The policy shall provide coverage for pollution conditions as a result of the operations performed at the job site. Coverage shall include bodily injury, property damage, clean-up and remediation costs.

Commercial General Liability

Commercial General Liability, underwritten by an insurer licensed to conduct business in the Province of Ontario, for a limit of not less than \$5,000,000 per occurrence, an aggregate limit of not less than \$6,000,000, within any policy year with respect to completed operations and a deductible of not more than \$5000. The policy shall include an extension for a standard provincial and territorial form of non-owned automobile liability policy. This policy shall include but not be limited to:

- (a) Name the Owner as an additional insured
- (b) Cross-liability and severability of interest
- (c) Blanket Contractual
- (d) Products and Completed Operations

- (e) Premises and Operations Liability
- (f) Personal Injury Liability
- (g) Contingent Employers Liability
- (h) Work performed on Behalf of the Named Insured by Sub-Contractors
- (i) Broad Form Property Damage
- (j) 30 days' notice of cancellation
- (k) Attached Machinery

Automobile Liability Insurance

Standard Form Automobile Liability Insurance that complies with all requirements of the current legislation of the Province of Ontario, having an inclusive limit of not less than \$5,000,000 per occurrence for Third Party Liability, in respect of the use or operation of vehicles owned, operated or leased by the Contractor.

Indemnification and Hold Harmless Clause

The Supplier shall defend, indemnify and save harmless The Corporation of Arran- Elderslie its elected officials, officers, employees and agents from and against any and all claims of any nature, actions, causes of action, losses, expenses, fines, costs (including legal costs), interest or damages of every nature and kind whatsoever, including but not limited to bodily injury, sickness, disease or death or to damage to or destruction of tangible property including loss of revenue or incurred expense resulting from disruption of service, arising out of or allegedly attributable to the negligence, acts, errors, omissions, misfeasance, nonfeasance, fraud or willful misconduct of the Supplier, its directors, officers, employees, agents, contractors and subcontractors, or any of them, in connection with or in any way related to the delivery or performance of this Contract. This indemnity shall be in addition to and not in lieu of any insurance to be provided by the Supplier in accordance with this Contract and shall survive this Contract.

The Supplier agrees to defend, indemnify and save harmless The Corporation of Arran- Elderslie from and against any and all claims of any nature, actions, causes of action, losses, expenses, fines, costs (including legal costs), interest or damages of every nature and kind whatsoever arising out of or related to the Supplier's status with WSIB. This indemnity shall be in addition to and not in lieu of any proof of WSIB status and compliance to be provided by the Supplier in accordance with this Contract and shall survive this Contract.

FUEL AND SALES TAXES

The Contractor shall pay all taxes under existing legislation on all fuels and materials used by him in the performance of the contract. The Contractor undertakes not to make any claim for refund of taxes paid by him or any Sub-contractor and acknowledges that no refund of tax shall be granted to him or to any Sub-contractor on any fuel and materials used for any purpose whatsoever in the performance of the contract unless such refund is specifically authorized under existing legislation.

GENERAL CONDITIONS

REGULATIONS

The Contractor shall abide by all Acts, By-Laws, and Regulations relative to the performance of the work.

WEIGHING

Weighing shall be carried out in accordance with the Ontario Provincial Standard Specification 502 current at the time of this contract. Copies of OPSS 502 are available on request from the MCT District Office.

DAMAGES BY VEHICLES AND OTHER EQUIPMENT

If at any time, in the opinion of the Engineer, damage is being done or is likely to be done to any highway or any improvement thereon, other than such portions as are part of the work, by the Contractor's vehicles or other equipment whether licensed or unlicensed, the Contractor shall, on direction of the Engineer and at the Contractor's own expense make changes in or substitutions for such vehicles or other equipment or shall alter loadings or shall in some other manner remove the cause of such damage to the satisfaction of the Engineer.

LOADING OF MOTOR VEHICLES

Where a vehicle is hauling material for use on the work under the contract, in whole or in part upon a public highway and where the motor vehicle registration is required for such a vehicle, the Contractor shall not cause or permit such a vehicle to be loaded beyond the legal limit as specified in the Highway Traffic Act, whether such vehicle is registered in the name of the Contractor or otherwise.

PAYMENTS

Monthly payments for work done may be paid up to 85% of the estimated value of the work performed. Within 45 days of the date of acceptance of the completed contract, the remaining 15% will be released to the Contractor.

COMPLETION

The work is to be completed by October 3, 2025.

DOCUMENTS TO BE SUBMITTED

Form A – Declaration of Contractor

Form B – Tender Form for HOT MIX PAVEMENT

Form C – Item 6.1 Schedule of Items and Prices

Form D - Company Background, Relevant Experience & References

Form E – List of Proposed Sub-Contractors

TENDER OPENING

A public tender opening will take place on **Monday, May 5, 2025, at 11:00 a.m.** at Municipality of Arran-Elderslie Municipal Office, 1925 Bruce Road 10, Chesley.

**FORM A – DECLARATION OF
CONTRACTOR HOT MIX PAVEMENT
TENDER FOR THE YEAR: 2025**

The Contractor has carefully examined the provision, plan, specifications and conditions attached to this tender and has carefully examined the site and location of the work to be done under this contract, and the Contractor understands and accepts the said provisions, plans, specifications and conditions, and, for the prices set forth in this tender, hereby offers to furnish all machinery, tools, apparatus and means of construction, furnish all materials, except as otherwise specified in the contract, and to complete the work in strict accordance with the provisions, plans, specifications, and conditions attached to this tender.

The unit price bid for this item shall include supply, haul and placement of asphalt cement. The Contractor shall be responsible to grind at all intersections, bridges and curbs where tie in is needed.

Material Escalation/De-escalation Clause
In the event of a change in the cost of asphalt cement, we will decrease or increase the price per tonne of HL3 depending on the change in the MTO posted rate. The posted MTO rate for March 2025 is \$1061.00/tonne. Price will increase or decrease \$0.50 per tonne of hot mix, based on \$10.00 per tonne posted MTO asphalt cement price fluctuation.

This tender includes provisions for six (6) items.

The Municipality reserves the right to accept the bids for each item individually or combined.

Item 1 – CHESLEY - 2ND STREET SE – CHESLEY LAWN BOWLING

- Supply and apply of HL3 asphalt cement (rap mix permitted)
- Approximate length of 98 metres and width of 6.4 metres
- Paving is over gravel base prepared by Arran-Elderslie Staff with a 40mm lift
- Pre-coordination between the Contractor and Municipality will be needed prior to paving
- Tonnage is not to exceed the amount listed as Item 1 on the FORM B - Tender Form for HOT MIX PAVEMENT
- See the attached map for location

Item 2 – PAISLEY - CHURCH STREET FROM BRUCE ROAD 3 TO ROSS STREET

- Supply & apply of HL3 asphalt cement (rap mix permitted)
- Approximate length of 64 metres and various widths up to 20 metres
- Paving is over an existing HCB base with a 40 mm lift
- Tie into existing asphalt and driveways
- Tonnage is not to exceed the amount listed as Item 2 on the FORM B - Tender Form for HOT MIX PAVEMENT
- See the attached map for location

Item 3 – PAISLEY – BALAKLAVA STREET FROM GEORGE STREET TO JAMES STREET

- Supply & apply of HL3 asphalt cement (rap mix permitted)
- Approximate length of 145 metres and width from 6.7 to 7.3 metres, including James Street intersection
- Paving is over an existing HCB base with a 40 mm lift
- Tie into existing asphalt and driveways
- The tonnage includes padding required in different areas with a site meet for predetermination.
- Tonnage is not to exceed the amount listed as Item 3 on the FORM B - Tender Form for HOT MIX PAVEMENT
- See the attached map for location

Item 4 – TARA – TARA ARENA NORTH BALL DIAMOND DRIVEWAY

- Supply & apply of HL3 asphalt cement (rap mix permitted)
- Approximate length of 45 metres and width of 5.5 metres
- Paving is over a gravel base prepared by Arran-Elderslie Staff with a 40 mm lift
- Pre-coordination between the Contractor and Municipality will be needed prior to paving
- Tonnage is not to exceed the amount listed as Item 4 on the FORM B - Tender Form for HOT MIX PAVEMENT
- See the attached map for location

Item 5 – ELDERSLIE – CONCESSION 10, ELDERSLIE NORTH OF SIDEROAD 15 SOUTH ELDERSLIE

- Supply & apply of HL3 asphalt cement (rap mix permitted)
- Approximate length of 340 metres and width of 7.0 metres
- Paving is over a gravel base prepared by Arran-Elderslie Staff with a 40-50 mm lift.
- Pre-coordination between the Contractor and Municipality will be needed prior to paving
- Tonnage is not to exceed the amount listed as Item 5 on the FORM B - Tender Form for HOT MIX PAVEMENT
- See the attached map for location

Item 6 – THIS ITEM HAS TWO (2) PARTS. ITEM 6.1 TO BE COMPLETED PRIOR TO COMPLETION OF ITEM 6.2

Item 6.1 – E5 MCALLISTER BRIDGE

Specifications and drawings pertaining to this portion of the tender are attached hereto as Schedule A – Specifications for Item 6.1 E5 McAllister Bridge and form a part of this tender in conjunctions with the Tendering requirements and General Conditions listed above.

Itemized pricing shall be provided on Form C – Item 6.1 – McAllister Bridge with the total included for Form B – Tender Form for Hot Mix Pavement.

Item 6.2 – SIDEROAD 15, ELDERSLIE BETWEEN CONCESSION 2, ELDERSLIE AND BRUCE ROAD 11

- Supply & apply of HL3 asphalt cement (rap mix permitted)
- Approximate length of 2 KMS and width of 6.8 metres
- Paving is over an existing LCB base (tar and chip) with a 40 to 50 mm lift
- The tonnage includes padding required in different areas with a site meet for predetermination.
- Pre-coordination between the Contractor, BM Ross Engineering and Municipality will be needed prior to paving
- Tonnage is not to exceed the amount listed as Item 6.2 on the FORM B - Tender Form for HOT MIX PAVEMENT
- See the attached map for location

TENDER DEPOSIT or BID BOND

This tender is accompanied by a Bid Bond in the form prescribed in the "Tendering Requirements" or is accompanied by a certified cheque in the amount specified in the "Tendering Requirements" made payable to the Municipality of Arran-Elderslie which shall, upon acceptance of the tender, constitute a deposit which shall be forfeited to the Municipality if the Contractor fails to file with the Municipality in executed form of this tender and the provisions, plans, specifications, and conditions attached here to within ten (10) days from the date of Acceptance of the Tender.

COMPANY BACKGROUND, RELEVANT EXPERIENCE & REFERENCES

Included in this tender package (Form C) is an outline of the company's background and listing of relevant job experience with reference contacts as specified in the "Tendering Requirements". The tendering firm permits the Municipality of Arran-Elderslie to contact references at their discretion to verify and confirm their experience and workmanship.

LIST OF PROPOSED SUB-CONTRACTORS (IF ANY)

The Contractor has included (Form D) a list of any proposed sub-contractors to be used in the course of the construction works which denotes the subtrade of the proposed subcontractor.

TENDER QUANTITIES

It is agreed that the tender quantities are estimated only and may be increased or decreased by the municipality without alteration of the contract price, however, such an increase or decrease shall not exceed 20 percent.

HEALTH AND SAFETY

All Contractors must abide by the Occupational Health and Safety Act. Any Personal Protective Equipment (PPE) required for the safe execution of the contract provisions shall be provided by the Contractor and the Contractor agrees to strictly enforce the use of PPE.

Declaration of Contractor

The Contractor acknowledges that Addendum/Addenda No. ____to ____* inclusive has/have been received and that all changes specified in the Addendum/Addenda have been included in the prices submitted.

(*to be completed by the Contractor (enter NIL if no addenda issued)

The Contractor offers to furnish all labour, equipment and material, except as specified otherwise, for the performance of the work for the item prices set forth in the tender, all in accordance with the tender documents.

The Contractor promises to commence work on _____
(To be completed by
firm) and diligently perform the work continuously without undue delay
and further promise to complete the work by:

BY _____
(Name of Firm)

ADDRESS _____

Name of Signatory

Title of Signatory

Signature

FORM B
TENDER FORM FOR HOT MIX PAVEMENT

In accordance with this tender, the Contractor hereby offers to complete the work for the following prices:

Location	Length	Width	Unit	Quantity	Unit Price	Total
Item 1						
Chesley – 2 nd St. SE, Chesley Lawn Bowling	98 m	6.8 m	63 tonnes			
Item 2						
Paisley – Church St. from BR3 to Ross St.	73 m	6.8 m	130 tonnes			
Item 3						
Paisley – Balaklava St. from George St. to James St.	105 m	6.8 m	105 tonnes			
Item 4						
Tara – Tara Arena north ball diamond driveway	0 m	6.8 m	25 tonnes			
Item 5						
Elderslie – Concession 10 north of 15 Sdrd South Elderslie	340 m	7.0 m	265 tonnes			
Item 6 – Item 6.1 to be complete prior to the completion of Item 6.2						
Item 6.1 – Please provide breakdown on Form C – Item 6.1 E5 McAllister Bridge						
E5 – McAllister Bridge						
Item 6.2 – 1500 tonnes for roadway and 75 tonnes for bridge deck paving						
Elderslie – Sideroad 15 from Con 2 Elderslie to Bruce County Rd 11	2 kms	6.8 m	1575			
					Subtotal	
					HST	
					Grand Total	

Please note the separate attachment for the Project Location Maps

CONTRACTOR BUSINESS NAME _____

AUTHORIZED CONTRACTOR SIGNATURE _____

CONTRACTOR ADDRESS _____

CONTRACTOR PHONE NUMBER _____

CONTRACTOR E-MAIL _____

DATE _____

F**THE AFORESAID SUM IS MADE UP AS FOLLOWS:****SCHEDULE OF ITEMS AND PRICES**

Item	OPSS #	Description	Qty/ Unit	Price	Amount
<u>PART 6.1 E5 McAllister Bridge</u>					
1	SP	Mobilization, Demobilization, & Other requirements	1 L.S.	\$ _____	\$ _____
2	706, 723, 741, SP	Traffic Control - Road Closed	1 L.S.	\$ _____	\$ _____
3	182, 805, SP	Environmental protection	1 L.S.	\$ _____	\$ _____
4	510, SP	Removals	1 L.S.	\$ _____	\$ _____
5	906, SP	Deck drain extensions	8 Ea	\$ _____	\$ _____
6	904, 928, 930, 1350, SP	Concrete removals and patch repairs			
		a) Type A - Deck top	1 L.S.	\$ _____	\$ _____
7	920, 1210, SP	Replace seals			
		a) North Abutment	1 Ea	\$ _____	\$ _____
		b) South Abutment	1 Ea	\$ _____	\$ _____
8	341, 914, 1212, SP	Waterproofing			
		a) Waterproofing	245 m ²	\$ _____	\$ _____
		b) Route and Seal	1 L.S.	\$ _____	\$ _____
9	206, 314, 501, 902, SP	Granular Materials			
		a) Granular A	20 t	\$ _____	\$ _____
10	802, 803, 804, 805, SP	Site restoration	1 L.S.	\$ _____	\$ _____
11	100, SP	Bonding and Insurance	1 L.S.	\$ _____	\$ _____
12	SP	Contingency allowance (Provisional)	1 L.S.	5,000.00	5,000.00
Total Part 6.1 E5 McAllister Bridge					\$ _____

FORM D
COMPANY BACKGROUND, RELEVANT EXPERIENCE & REFERENCES

COMPANY PROFILE

RELEVANT EXPERIENCE & REFERENCES

Year of Project	Description of work	For Whom work was completed for	Company contact details for reference	Project Value

FORM E
LIST OF PROPOSED SUB-CONTRACTORS

[illegible]

Schedule A

SPECIFICATIONS FOR ITEM 6.1 – E5 MCALLISTER BRIDGE

ITEM NO. 1 - MOBILIZATION, DEMOBILIZATION & OTHER REQUIREMENTS

SPECIFICATION

N/A

SCOPE

This item is to cover the Contractor's cost of mobilization at the beginning of the construction period, demobilization at the completion of the construction period and for all additional labour, equipment or material required to complete the work of the contract but not specifically covered by or related to the other items in the Schedule of Items and Prices.

The bid may include, but is not limited to, the following: watchmen, on-site washroom facilities, permits and approvals (other than those to be paid for by the Owner) or acquiring the services of the local operating authorities.

Mobilizing to site to complete the work shall also include as required all costs associated with accommodative measure that must be taken to work around overhead utility lines and underground utility lines as identified on the Contract Drawings.

The Contractor shall include the cost of lay-down areas either on-site or off-site, including rent, security, restoration, etc. The Contractor shall make arrangements with adjacent landowners for the temporary use or occupation of their lands, if required. When this occurs, a copy of a Property Owner Release form that releases the Owner of any obligations must be signed and submitted to the Contract Administrator. Any compensation for damage to trees, fences, surfaces or other property by the Contractor's methods shall be paid directly by the Contractor at no additional charge beyond this tendered price.

The Contractor may only mobilize to site after contracts have been signed, a traffic control plan has been submitted to the Owner, and environmental control measures have been approved by the Conservation Authority. The contractor shall not mobilize to site until prepared to work continuously during normal workday hours.

The payment for mobilization shall be included in the first payment certificate issued for the contract subject to the Contract Administrator being satisfied that full mobilization has been carried out. If the Contract

Administrator is not so satisfied, they shall allow a payment which, in their opinion, reflects the degree of mobilization effected to date.

The payment for demobilization and other requirements shall become due following completion of the works and subject to the Contract Administrator being satisfied that full demobilization and other requirements have been carried out. The Contract Administrator may, in their discretion, allow partial payment for demobilization before full demobilization has been affected.

No in-stream work is permitted. Trees may not be cut down between April 1 and August 31. Crew shall not mobilize to site until approval has been obtained from the regulatory authorities. Approvals from the Conservation Authority are anticipated to be obtained prior to June of 2025.

If the Bidder has entered against this item in their tender a price in excess of 10% of the total tender price, it shall be considered an unbalanced price for this item and renders the tender liable to disqualification.

ITEM NO. 2 - TRAFFIC CONTROL

SPECIFICATION

OPSS.MUNI 706

SCOPE

The Contractor shall include the cost of traffic control, pedestrian safety considerations and cyclist safety considerations as specified below and in accordance with OPSS.MUNI 706 Construction Specification For Temporary Traffic Control Devices, OPSS. MUNI 100 General Conditions of Contract – GC 7.06 Maintaining Roads and Detours, and in accordance with the Ministry of Labour, through the Occupational Health and Safety Act (OHSA) and Regulations for Construction Projects, R.S.O. 1990 and R.R.O. 213/91 as amended by 631/94 and 145/00, and as amended from time to time thereafter.

Contractors are required to control traffic and provide signage in accordance with the Ontario Traffic Manual Book 7 - Temporary Conditions (latest edition) and OPSS.MUNI 706 - Construction Specification for Temporary Traffic Control Devices.

As per GC 7.01.03.0 The Contractor shall have the sole responsibility for the design, erection, operation, maintenance, and removal of temporary structures and other temporary facilities and the design and execution of the construction methods required in their use. Advance Notice signs and Contract identification signs shall be installed at least two (2) weeks prior to the start of construction and shall indicate the expect period which traffic control shall be implemented.

If the local garbage collection Contractor will not enter the traffic-controlled area the Contractor shall be responsible for collection and relocation of all garbage and blue box recycling to a location where it will be collected or disposed of.

The Contractor shall notify all impacted property owners/tenants of impending disruptions to services and or access where the traffic control is implemented. The notice shall be delivered 48 hours prior to the disruption and shall include a short description of the disruption, the probable timing and duration of the disruption, alternative actions that the owner/tenant should take while the work is being done.

The Owner will notify the police, fire department, ambulance service, school bus companies, area municipalities, other commissions or authorities of the traffic control measures. However, at least two (2) weeks' notice is required by the Contractor before closure or staged lane restrictions of a road.

Submission Requirements

OPSS 706.04.01 Submission Requirements has been amended with the following:

A copy of the traffic control plan shall be submitted to the Contractor Administrator and Owner for review and comment a minimum of two weeks (2) prior to the Construction Start Date and no later than at the pre-construction meeting. The traffic control plan shall be in conformance with the Ontario Traffic Manual (OTM) Book 7 – Temporary Conditions (latest edition) and shall also include the following:

- Name, position in the company and cell phone number, and qualifications of the designated person who will be responsible for traffic control and work zone safety (GC 7.01.05.02). Qualifications to include the successful completion of the Book 7 (Non Freeway on-line Training) as provided by the Ontario Traffic Council <https://otc.org/training/book-7-training/> or Traffic Control Temporary Work Zones as provided by Infrastructure Health and Safety Association (IHSA) <https://www.ihsa.ca/Training/Courses/Traffic-Control-Temporary-Work-Zones.aspx> or approved equivalent course.

For each phase of work (if applicable)

- Written description of proposed traffic control
- Written description of the wording on the Road Closing Notice/Restriction Notice Sign (TC-64) or Road Closing Notice Sign (TC-65)
- Configurations for Temporary Conditions (OTM Book 7, 3.3)
- Duration of Work (OTM Book 7, 3.5)
- Written description of the proposed method of maintaining EMS access
- Written description of the height and offset of temporary signs
- Written description of any impacts to intersections
- Method of communicating changes in detours, road closures to EMS
- Pictorial representation of each proposed Book 7 Typical Layout (8 ½" x

11" minimum)

- Pictorial representation of the Work Zone, complete with proposed sign layout (11"x17" minimum), including a legend
- Written description of monitoring frequency of the signage
- Provide proper information to the Owner for posting detours and road closure information to Municipal511.ca

Documentation

The ongoing inspection and monitoring of work zones are important to ensure that the appropriate traffic control devices are in the appropriate place at all times.

Book 7 is amended with the addition of the following:

- On any work project, the supervisor is responsible for keeping a record of the traffic control used on site. For major projects, a separate field book should be maintained.
- Inspect the work by driving through it in the daytime and at night, as appropriate, after the temporary traffic control devices for the work zone are in place.
- Observe and record actions and reactions of drivers through the work zone (such as speeds, conflicts, late lane changes, frequent braking).
- Correct any problems as soon as possible.
- Document any changes to the traffic control plan or typical layouts, and the reason for the changes, including those for any devices shown but not used, or used but not shown.
- Inspect the work zone traffic control devices over the life of the project, as specified by the road authority (at least daily, including weekends), while traffic control is in effect.
- Record in a daily journal, the traffic control devices used, including starting and ending times when they were in effect, locations, names of personnel, and times of any moves.
- Replace and/or correct any inappropriate, damaged, knocked over, or displaced traffic control devices.
- Ensure that traffic control devices that are no longer needed, whether on a long-term or short-term basis, are either removed from the roadway, removed to the outside of the shoulder, covered, or turned, so that they are not visible to passing motorists.
- Monitor the queue and install additional advance warning signs if the end of queue is consistently beyond the advanced warning signs.

Upon 24 hours notice, the Contractor shall provide the Contract Administrator full access to the daily diary of the signs.

The following information shall be included in the diary:

- a. Traffic accidents including time of inspection, location of incident, and photographs.

- b. Time of daily sign inspections that are recorded each day.

The Owner and Contract Administrator shall be informed of any concerns with the plan that are identified by the Contractor once they are identified.

Restrictions on Construction Operations

Unless otherwise approved by the Owner, construction operations adversely affecting public traffic and the loading or unloading of materials and construction equipment onto and from the travelled portion of the road shall not be carried out during the following periods:

- Local noise by-law restricted hours
- 4:00 p.m. Friday to 7:00 a.m. Monday, for normal weekends
- All Canadian statutory holidays.

ROAD CLOSED

Under this item, the Contractor shall be responsible for providing all the signage required to close the road within the construction site area, signage required at the approaching intersections. This shall include providing flashing lights, high intensity signs and barricades at the structure, the approaches to the site and the start of the adjacent blocks. Signage shall be laid out, supplied and maintained in conformance with the Ontario Traffic Manual (OTM) Book 7, Temporary Traffic Control Devices. The road closed signage shall be TC-7 (210 cm X 210 cm), with "ROAD CLOSED", "LOCAL TRAFFIC ONLY", and "BRIDGE OUT" tab signs are required.

At each approach to the site, the barricades shall be fitted with RB-92 signs and at least two amber flashing lights at night. The Contractor shall be responsible for the installation and maintenance of all barriers, lights and signs and shall be liable for any claim for damages resulting from insufficient protection. Access shall be provided for local traffic within the block where construction is occurring.

The backs of the road closed signs shall be marked with reflective decals, reflective tape, or reflective paint so that they are visible to anyone travelling from the opposite direction

The Contractor shall supply, maintain and upon completion remove all barricades, lights and signage required. The Contractor shall completely enclose the construction site at the end of each working day using 2.4 m high security fencing unless other approved barriers are installed.

The Contractor shall be responsible for the maintenance of all barriers, lights, and signs. The Contractor shall be liable for any claim for damages resulting from insufficient protection. Access shall be provided for local traffic within the block where construction is occurring.

Sign installations by the Contractor shall be made with posts embedded in the ground. Platforms and sandbags shall not be permitted except to prevent pavement cuts or where approved in writing by the Contract Administrator. The Contractor is responsible for underground service locates related to their sign installation. Posts shall be removed at the end of the contract.

Daily relocation, adjustment and re-installation of damaged and/or missing signs and traffic control devices shall be the responsibility of the Contractor and no additional payment shall be made for these operations.

The Contractor shall not install barriers and start construction until such time as the Contractor is prepared to work continuously during normal workday hours on weekdays. This is specified in order to minimize the disruption to traffic.

The period of traffic control shall be limited to 14 calendar days. Road closures beyond these limits will result in liquidated damages.

The road may not be reopened to traffic until the work along the road surface has been completed and the road is safe for vehicles to pass through. If the Contractor chooses to complete miscellaneous roadside or restoration work after the road has been reopened, appropriate temporary traffic control measures as per the Ontario Traffic Control Manual for short duration applications must be implemented.

ITEM NO. 3 - ENVIRONMENTAL PROTECTION

SPECIFICATION

OPSS.MUNI 182, OPSS.MUNI 805

SCOPE

The Contractor shall perform all environmental control measures necessary to complete the repairs. No stream work shall occur at the site. Crews may not mobilize to site until approval has been obtained from the Conservation Authority. Approvals from the Conservation Authority are anticipated to be obtained prior to June 2025.

All work shall be completed in accordance with the permits provided by the Conservation Authority (CA) and directions provided during the pre-construction meeting.

If excavated materials are being stockpiled on site and silt run-off from the stockpile could be expected to enter the stream, a silt fence shall be installed around the stockpiled material in accordance with OPSD 219.110. Also, included in this item shall be the cost of preventing deleterious substances from entering the watercourse as per OPSS.MUNI 182. To prevent silt material from entering the streams, silt fences shall be installed

and maintained down slope from any stockpile and exposed earth surface locations. The contractor shall include a cost to supply, install and maintain the silt fencing under this item, unless there is a separate item for the fencing included in this contract. Upon completion of the work, accumulated silt and debris shall be removed from the site along with the silt trap and debris fence.

Machinery shall be refueled and stored overnight not less than 30 m from the edge of water. Similarly, no toilets shall be located closer than 30 metres from the normal edge of water. In-stream work, such as rip rap placement, shall be done behind a turbidity curtain.

To help minimize silt releases, the Contractor shall cover finished, exposed earth as soon as practical with topsoil and seed or rip rap as per their appropriate items. Generally speaking, the Contractor shall take all reasonable precautions to prevent the release of any deleterious substance to the stream and the Contractor shall be fully liable for fines or damages arising from the Contractor's activities or lack of reasonable precautions.

At each approach to the structure, the Contractor shall provide and maintain a metal receptacle for the containment of small construction debris and general litter. The Contractor shall arrange and pay for the removal of this waste to a licensed landfill site. Litter shall be collected from the site at the end of each working day.

ITEM NO. 4 - REMOVALS

SPECIFICATION

OPSS.MUNI 510

SCOPE

The Contractor shall complete removals as required to complete the work at the structure as per Contract Drawings and all other miscellaneous component removals included in the project and not already included in the Scope of Work of any other item. Included in this item are all items listed in OPSS 510, required to complete the work. The Contractor is responsible for damage to items that are to remain and will not be paid for unnecessary repairs or replacements.

All material removed shall become the property of the Contractor unless noted otherwise and removed from site. Concrete shall be disposed of at a suitable disposal site.

Only the removal of concrete at localized surface repair locations will be compensated for under the concrete removal items.

The removals shall be subject to all of the conditions of the Work Permits of the Conservation Authority.

All trees requiring removal, if applicable, shall be cut within the following limits:

- before April 1
- or after August 31

to avoid the potential for bird nesting. Grubbing that does not interfere with nesting bird habitat may be completed between April 1 and August 31 as required. All cut trees shall be disposed of.

All fences, mailboxes, signposts, signage, etc. shall be maintained for the duration of the project.

Included in this item is the removal and disposal of all debris from the top of the structure. This includes material on the bridge deck, sidewalks/curbs and asphalt on the ballast walls.

ITEM NO. 5 - DECK DRAIN EXTENSIONS

SPECIFICATION

OPSS.MUNI 906

SCOPE

The Contractor shall supply and install new deck drain extensions. Drain extensions shall be as indicated on the contract drawings, hot dip galvanized after fabrication and shall be in general conformance with OPSD-3340.200. The Contractor shall confirm dimensions of existing deck drains prior to manufacturing extensions.

Deck drain elevations shall be confirmed by the Contract Administrator prior to final placement.

ITEM NO. 6 - CONCRETE REMOVALS AND PATCH REPAIRS

SPECIFICATION

OPSS.MUNI 904, OPSS.MUNI 930, OPSS.MUNI 1350

SCOPE

The Contractor shall remove unsound concrete where directed by the Contract Administrator. The various bridge elements to be repaired are listed as separate repair types under this item and a separate price shall be provided for each type of repair. This item is applicable for localized repairs and is not applicable for removals required to accommodate the construction of new bridge components.

Type A refers to localized repairs to the top of concrete surfaces. Repairs to the top of the surfaces would be Type A repairs completed working from above. The area to be repaired has been estimated based on the age of the structure and field observations.

Removals shall be made by saw and chipping hammer. All materials removed shall be disposed of off-site at the Contractor's expense.

Concrete chippings shall under no circumstance be allowed to fall into the stream.

Removals shall be in accordance with OPSS.MUNI 928 and shall include sandblasting of all surfaces unless approved otherwise. The limits of removals will not be determined using corrosion potential surveys; however, the Contractor will be directed to remove some seemingly sound concrete at the removal locations to ensure that all the unsound concrete is removed, the repair can adequately bond to reinforcing steel in the structure, and to help ensure the effectiveness of the concrete repair. To ensure a bond to the reinforcing steel removals in some areas within each repair will be required to extend at least 25mm behind the reinforcing steel. All removal areas shall be delineated by a 25 mm deep saw cut, unless otherwise approved.

The Contractor shall place new concrete in the patch repair locations where directed by the Contract Administrator. The various bridge elements to be repaired are listed separately under this item and a separate price shall be provided for each element type.

The concrete used for the repairs shall conform with CSA-A23.1 and OPSS 1350MUNI exposure class C-2 (32 MPa) or be accepted equivalent. Slump may be increased with an approved superplasticizer agent or with an alternative mix design that is approved by the Contract Administrator. Alternative mix design shall be approved by the Contract Administrator.

Prior to application, surfaces shall be pre-wet and all formed areas shall be wet cured for a minimum of 96 hours by leaving forms in place or, in the case of the top of deck, by applying wet burlap and vapour barrier.

Concrete testing is not required.

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

The Contractor shall assume that up to 0.5m³ of removals and repairs are required.

ITEM NO. 7 - REPLACE SEALS

SPECIFICATION

OPSS.MUNI 920, OPSS.MUNI 1210

SCOPE

The Contractor shall supply and install new seals. This item includes the removal of existing seals.

The Contractor shall be fully responsible for making all measurements required to fit the new seals. Any field adjustments shall be made only if approved by the Contract Administrator and the costs of such adjustments shall be borne by the Contractor. The shop drawings for the seals shall be submitted to the Contract Administrator for review two weeks prior to manufacture.

Seals shall not be spliced. Seals shall be installed with adhesive by persons qualified and approved by the seal manufacturer. The Contractor shall confirm that the existing space available is adequate for the installation of the chosen seal prior to ordering materials.

The seal shall be equivalent to seals listed on the contract drawings in dimensions and expansion range. It shall be installed as per manufacturer specifications.

Alternative expansion joint seals may only be installed as approved by the Design Engineer.

ITEM NO. 8 - WATERPROOFING

SPECIFICATION

OPSS.MUNI 341, OPSS.MUNI 914, OPSS.MUNI 1212

SCOPE

The Contractor shall supply and hot apply an asphalt membrane with asphalt impregnated protection board to the structure in accordance with OPSD 3370.100 and OPSD 3370.101. This item shall include sandblasting of the concrete deck prior to waterproofing.

Materials shall be as prescribed in the MTO Designated Sources List.

Samples of waterproofing membrane, waterproofing membrane reinforcement, joint sealing compound, tack coat and protection board are not required.

If indicated on the Contract drawings. This item shall include routing and sealing asphalt contraction joints.

ITEM NO. 9 - GRANULAR MATERIALS

SPECIFICATION

OPSS.MUNI 206, OPSS.MUNI 314, OPSS.MUNI 501, OPSS.MUNI 902

SCOPE

The Contractor shall supply, place, fine grade and compact Granular 'A' material required for the construction of the roadbed, shouldering and backfill as indicated on the Contract Drawings or directed.

The level of compaction shall be to a minimum of one hundred percent (100%) of the maximum Proctor dry density for Granular A. The Contractor shall be responsible for the supply water if it is required for compaction purposes.

Gravel Ticket Requirements

- A minimum of 2 copies of the weigh tickets shall be delivered to the site. One copy is to remain with the Contract Administrators site representative.
- Source of material.
- Description/type of granular material shall be noted on the ticket.
- Intended use of material shall be noted on the ticket.
- Truck number/driver or some other form of identification shall be noted on the ticket.
- Gross tonnes, Tare tonnes and Net tonnes shall be noted on the ticket.
- Must be legible.
- Must be submitted daily.

ITEM NO. 10 - SITE RESTORATION

SPECIFICATION

OPSS.MUNI 802, OPSS.PROV 803, OPSS.MUNI 804, OPSS.MUNI 805

SCOPE

Following the completion of the work the Contractor shall place topsoil and seed, on any newly constructed side slopes and all disturbed surfaces with the exception of the road surface.

The Contractor shall also restore the site with any miscellaneous components such as signs, mailboxes or fencing removed to facilitate the construction process.

Included in this item is the restoration of private driveways disturbed by construction activities, unless specified under a separate item. The Contractor shall also provide temporary access detours for driveways

blocked by construction or excavation. Under this item, the Contractor shall restore all other areas disturbed by the construction including regrading, resurfacing or repaving areas used for stockpiling, equipment set-up, etc.

Topsoil used shall be either salvaged topsoil from the site that is not contaminated with clay or other materials as confirmed by the Contract Administrator and/or imported material as approved by the Contract Administrator.

The Contractor shall fine grade the areas to be topsoiled as directed and to the limits agreed upon by the Contract Administrator. The Contractor is to uniformly spread and rake the topsoil to a minimum depth of 100 mm. All salvaged topsoil is to be re-used on site.

If there is insufficient suitable salvaged topsoil, this item shall include the cost to supply additional topsoil.

Seeding and application of cover is to be completed with the Southern Ontario Native Grass and Forb mix and at the application rate listed in OPSS.PROV 803. If the Contractor wants to use another seed mix, they must request the Contract Administrator's approval prior to application. The Contractor is to use a standard hydraulic or straw mulch cover.

Topsoil, seeding, and mulching may be required at different stages of the project in order to protect the completed works and surfaces from damage. The Contractor shall not be paid extra for separate stages of application.

Earth surfaces exposed near the end of the growing season shall be stabilized with topsoil and seed with sufficient time for growth. The Contractor is responsible for achieving satisfactory growth by the end of the Maintenance Period. Additional surface preparations and the over-seeding of areas may be required within the Maintenance Period in order to achieve the necessary growth.

ITEM NO. 11 - BONDING AND INSURANCE

SPECIFICATION

OPSS.MUNI 100 shall apply and govern except as amended or extended herein

SCOPE

The Contractor shall provide indemnification, insurance and bonding for the contract as specified in the General Conditions and the details provided in this specification. The bonds and insurance shall be supplied by the Contractor to the Contract Administrator upon the return of the signed Contracts.

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

GC 6.02 – Indemnification

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

GC 6.03 – Contractor’s Insurance

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

- GC 6.03.04 – Aircraft and Watercraft Liability Insurance - If applicable
- GC 6.03.05 – Property Insurance – Not Applicable - also know as All-Risk Insurance
- GC 6.03.05 – Boiler Insurance - Not applicable
- GC 6.03.06 – Contractor’s Equipment Insurance – Applicable

GC 6.03.02 – Commercial General Liability Insurance

GC 6.03.02.01 shall be amended with the inclusion of the following as additional insureds:

GC 6.04 Bonding

As per GC 6.04.01, the Contractor shall provide the Owner with the following surety bonds in the amounts noted:

Labour and Material Bond

The Contractor shall furnish a Labour and Material Payment Bond using Form 31 of Ontario Regulation 303/18 of the Construction Act that extends or guarantees payment protections to Subcontractors and persons supplying labour and material to the Contract for the amount of fifty percent (50%) of the tender.

Performance Bond

The Contractor shall furnish a Performance Bond using Form 32 of Ontario Regulation 303/18 of the Construction Act that is conditioned on the due performance of the terms of the Contract for the amount of one hundred percent (100%) of the tender.

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

ITEM NO. 12 - CONTINGENCY ALLOWANCE (PROVISIONAL)

SPECIFICATION

N/A

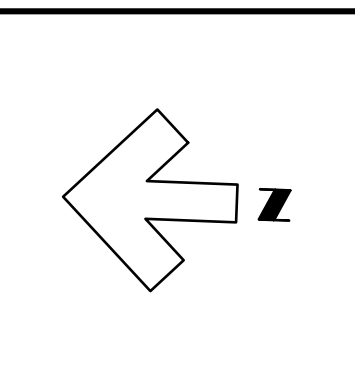
SCOPE

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

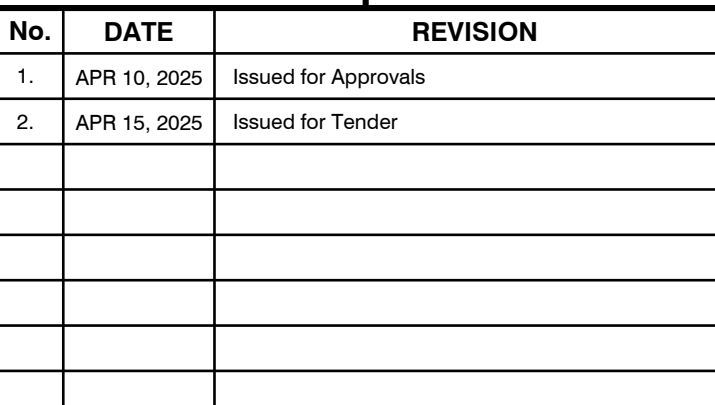
1. ENVIRONMENTAL PROTECTION MEASURES LISTED IN CONTRACT DOCUMENTS AND AS SPECIFIED BY THE CONSERVATION AUTHORITY SHALL BE FOLLOWED.
2. ALL CONCRETE AND STEEL COMPONENTS REMOVED FROM THE EXISTING STRUCTURE SHALL BE REMOVED FROM THE SITE.
3. NO IN STREAM WORK SHALL OCCUR ON SITE.
4. LOCALIZED ACCESS PATHS SHALL BE USED BY CONTRACTOR TO MINIMIZE DISTURBANCE. ACCESS PATHS SHALL BE RESTORED UPON COMPLETION OF THE WORK.
5. SEDIMENT AND EROSION CONTROL MEASURES, SUCH AS INSTALLATION OF SILT FENCING OR STRAW-BALE CHECK DAMS PLACED DOWNSLOPE OF ANY SILT MATERIALS STOCK PILED AND EXPOSED TOPSOIL, SHALL BE PLACED AND MAINTAINED AS DIRECTED BY THE CONTRACT ADMINISTRATOR DURING CONSTRUCTION AND UNTIL A SUITABLE CATCH OF GRASS IS ESTABLISHED.
6. DISTURBED AREAS NOT COVERED WITH RIPRAP OR A GRAVEL SURFACE SHALL BE COVERED WITH TOPSOIL AND RESTORED WITH SEEDS AND MULCH WHERE DIRECTED BY THE CONTRACT ADMINISTRATOR.
7. REFUELING OF EQUIPMENT SHALL BE PERFORMED IN AN ENVIRONMENTALLY RESPONSIBLE MANNER, WHERE PRACTICAL REFUELING SHALL BE DONE MORE THAN 300 FEET FROM THE STREAM. ANY SIGNIFICANT SPILLS SHALL BE REPORTED TO THE MINISTRY OF ENVIRONMENT SPILLS ACTION CENTRE.



1. See additional notes on Dwg. #2
2. Site Survey was not completed



The locations of existing underground utilities are shown in an approximate way only and have not been independently verified by the owner or its representative. The contractor shall determine the exact location of all existing utilities before commencing work and agrees to be fully responsible for any damages which might be occasioned by the contractor's failure to exactly locate and preserve any and all underground utilities.

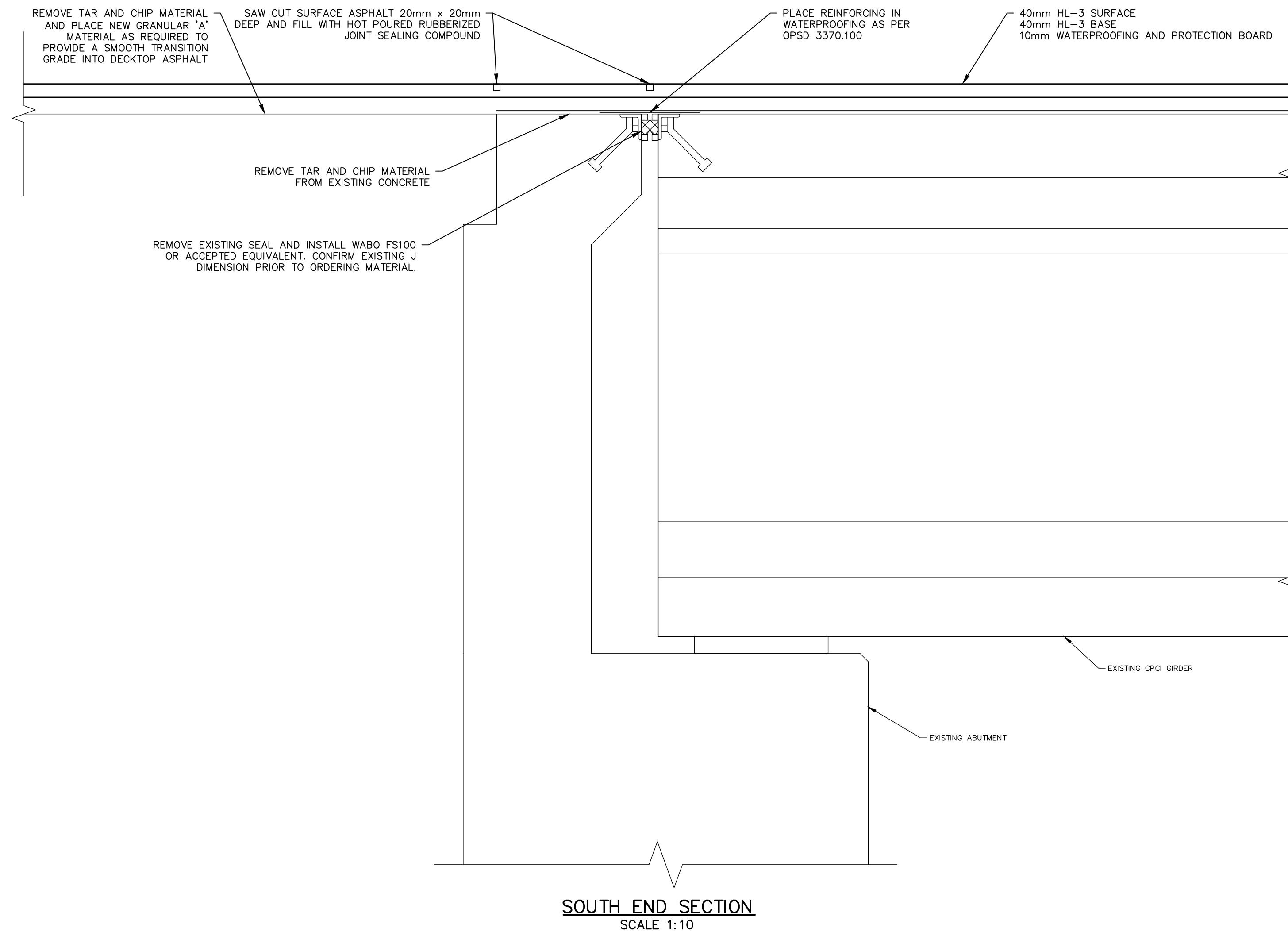
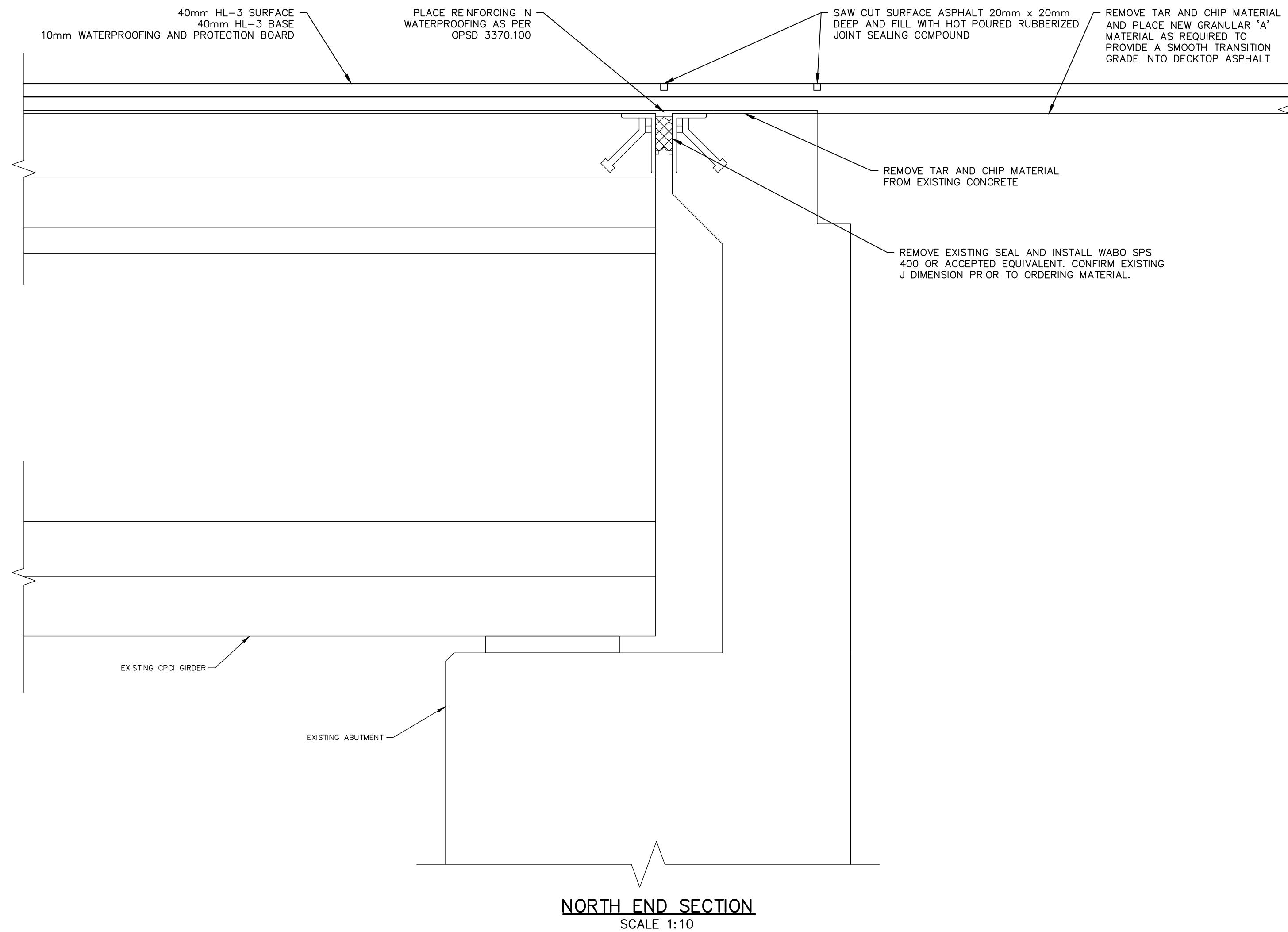
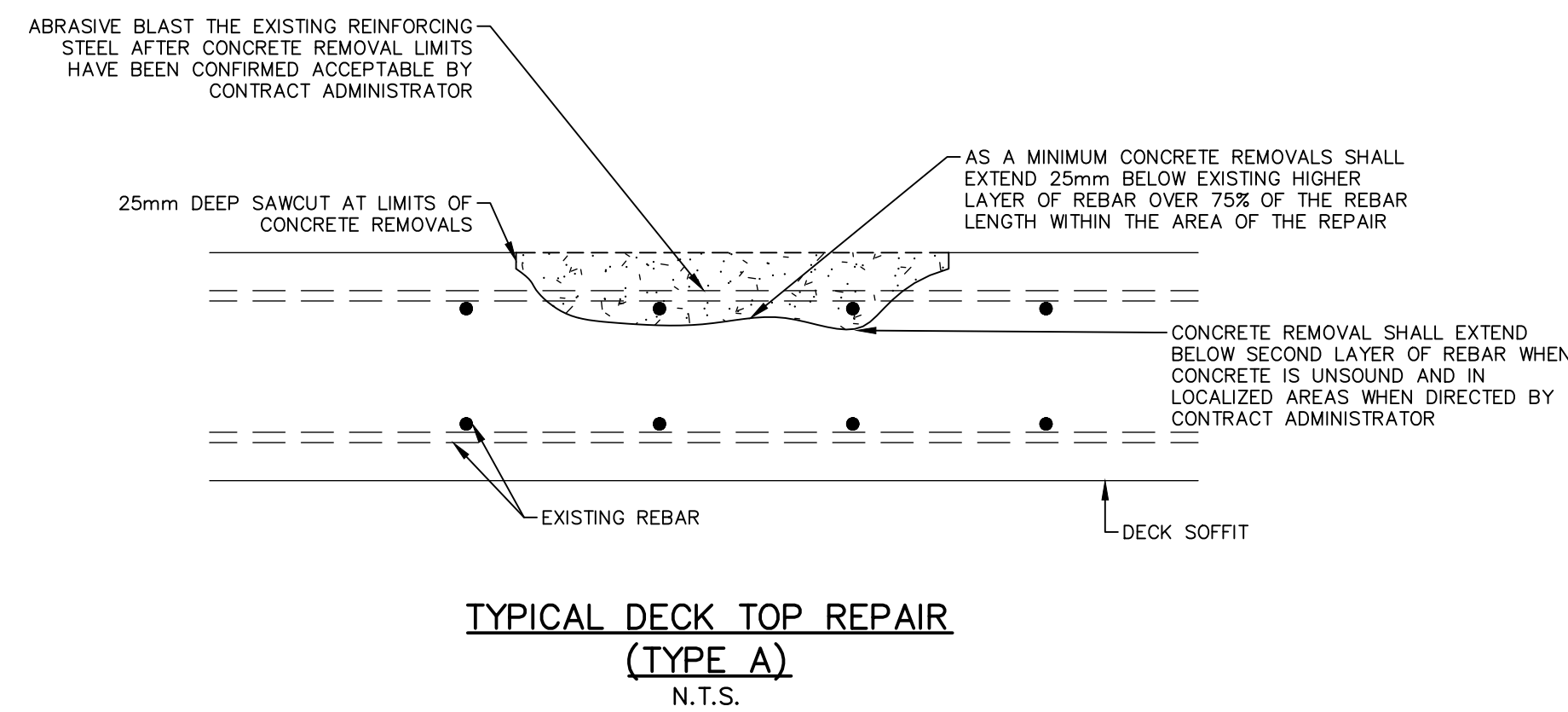
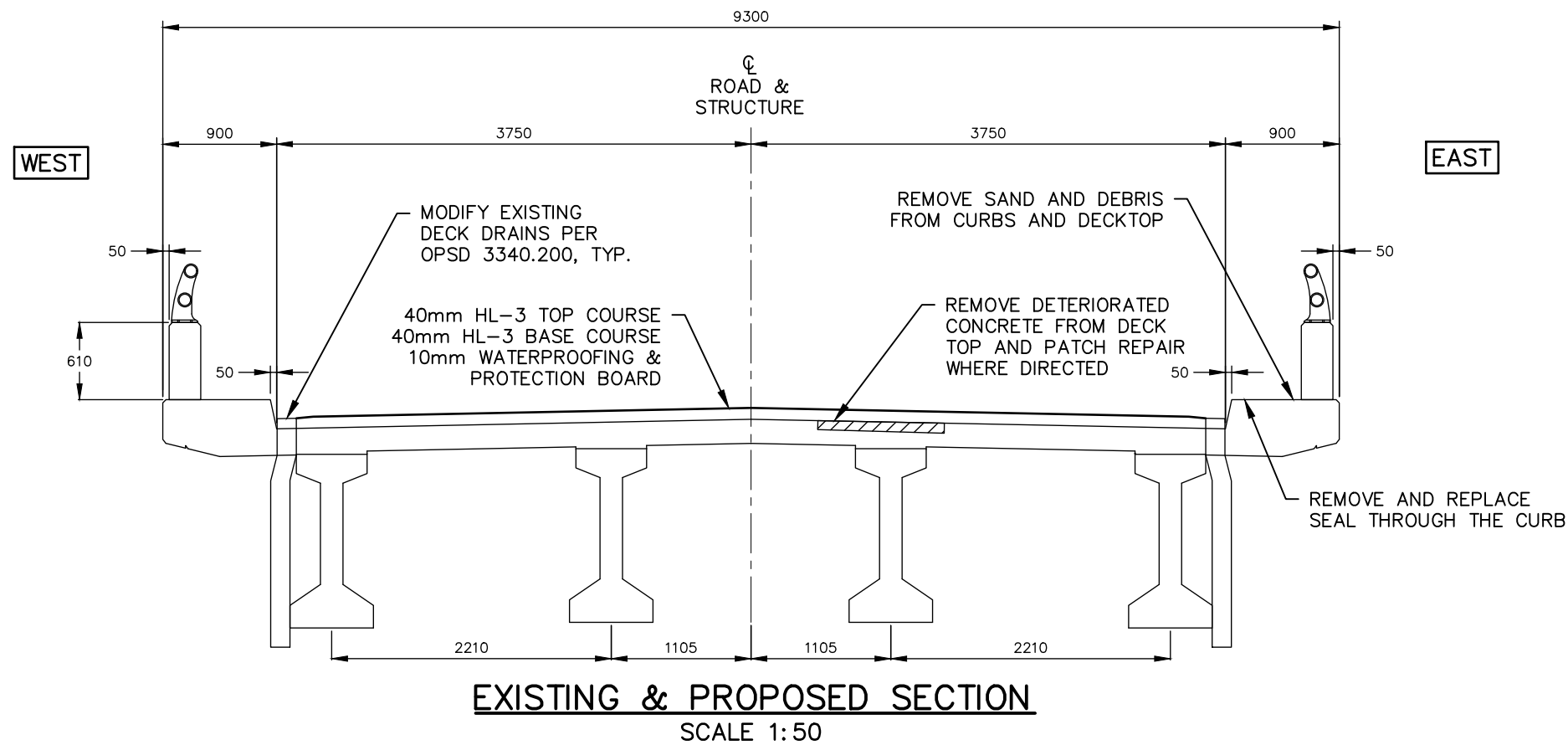


McAllister Bridge

Plan & Elevation Views

Structure No. E5	Project No. BR415b
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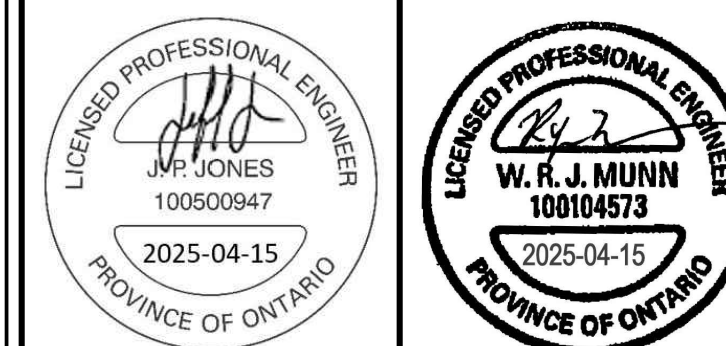
Scale (24x36)	Drawing No. 1 of 2
As Shown	



- NOTES:**
- Work to be done in accordance with the latest revision of Ontario Provincial Standard Specifications for Structures.
 - Class of concrete:
Patch Repairs: CSA exposure class C-2 (32 MPa compressive strength) or accepted equivalent.
Approval of the Contract Administrator's Engineer is required for all mix designs and admixtures.
 - Concrete removal areas shall be delineated by a 25mm deep saw cut, unless otherwise approved. Concrete removals shall be made by saw and chipping hammers. Removals shall be in accordance with OPSS 928.
 - Existing reinforcing steel within removal areas is to be maintained.
 - All removals are to be taken from site to an approved licensed facility.
 - Concrete patch repairs shall be wet cured for a minimum of 96 hours by leaving forms in place or applying wet burlap and vapour barrier.
 - Reinforcing steel shall be grade 400 deformed bars. Bars shall be pre-bent at suppliers plant.
 - Chamfer all exposed corners 25mm.
 - Cover to reinforcing steel 70mm \pm 20mm except where noted.
 - Lap splice information (unless noted otherwise)
Uncoated: 15M - 520mm; 20M - 690mm
 - Materials to be as identified on M.T.O. Designated Sources List. Epoxy grout shall be a 2-part epoxy HILTI HIT HY-200-R or approved equivalent.
 - Use a sand-cement slurry as a bonding agent for all deck patches.

1:50 1m 0 1m 2m

Design By: J.P.J. Checked By: R.J.M.



No.	DATE	REVISION
1.	APR 10, 2025	Issued for Approvals
2.	APR 15, 2025	Issued for Tender



Goderich Kincardine Mount Forest Sarnia



**Municipality of
Arran-Eldersile**
McAllister Bridge
Deck Sections & Details

Structure No. E5	Project No. BR415b
Scale (24x36) As Shown	Drawing No. 2 of 2



H9A %

Chesley Community Park (pvt)

2nd St SE



422

419

416

409

414

413

407

282

288

294

Mary Cummings
Park

412

374

232

H9A &

266

216

222

Church-St

Victoria-St-N

235

374

352

342

340

328

312

308310

306

302

375

284

3

QUEEN ST-N

277

274

258

250

376

390

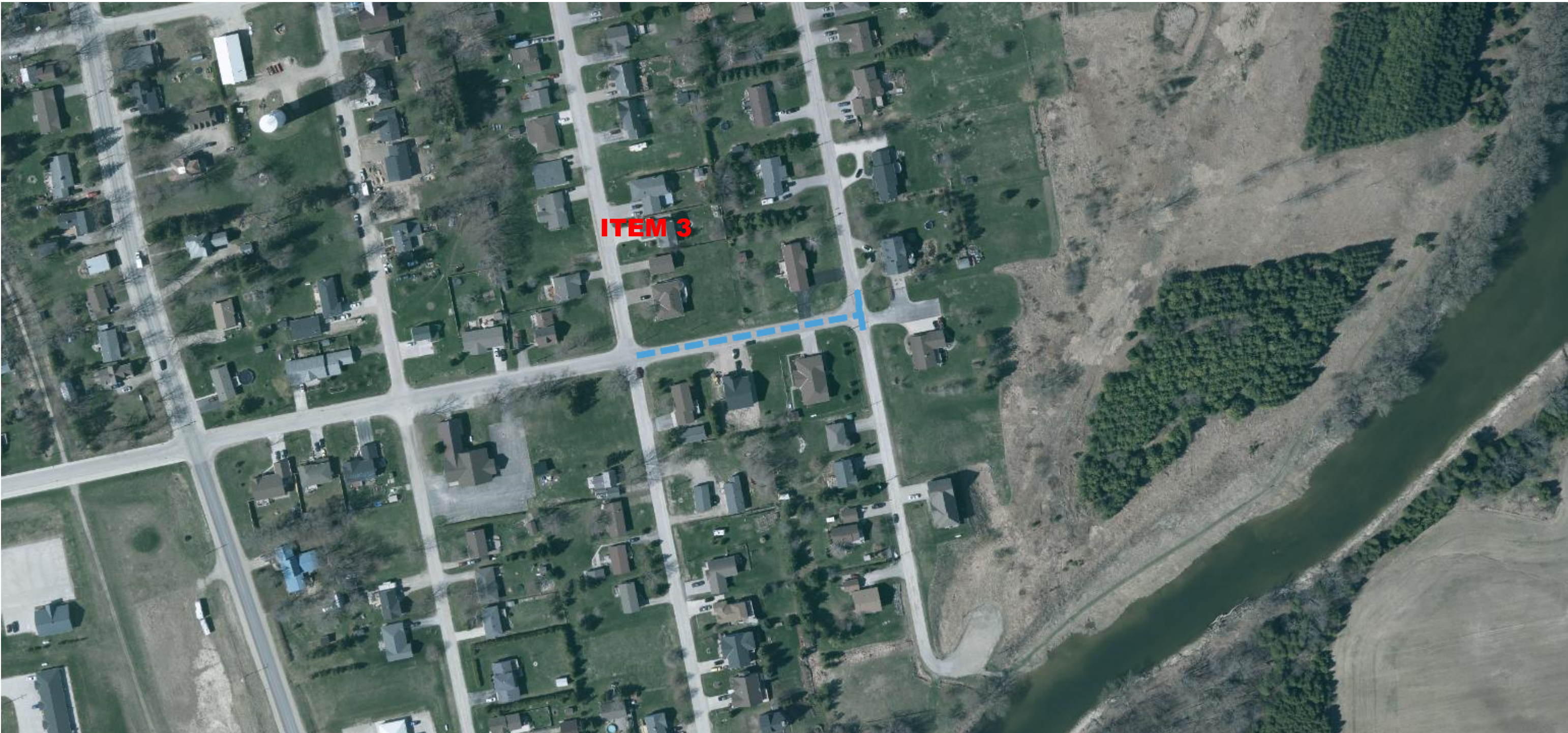
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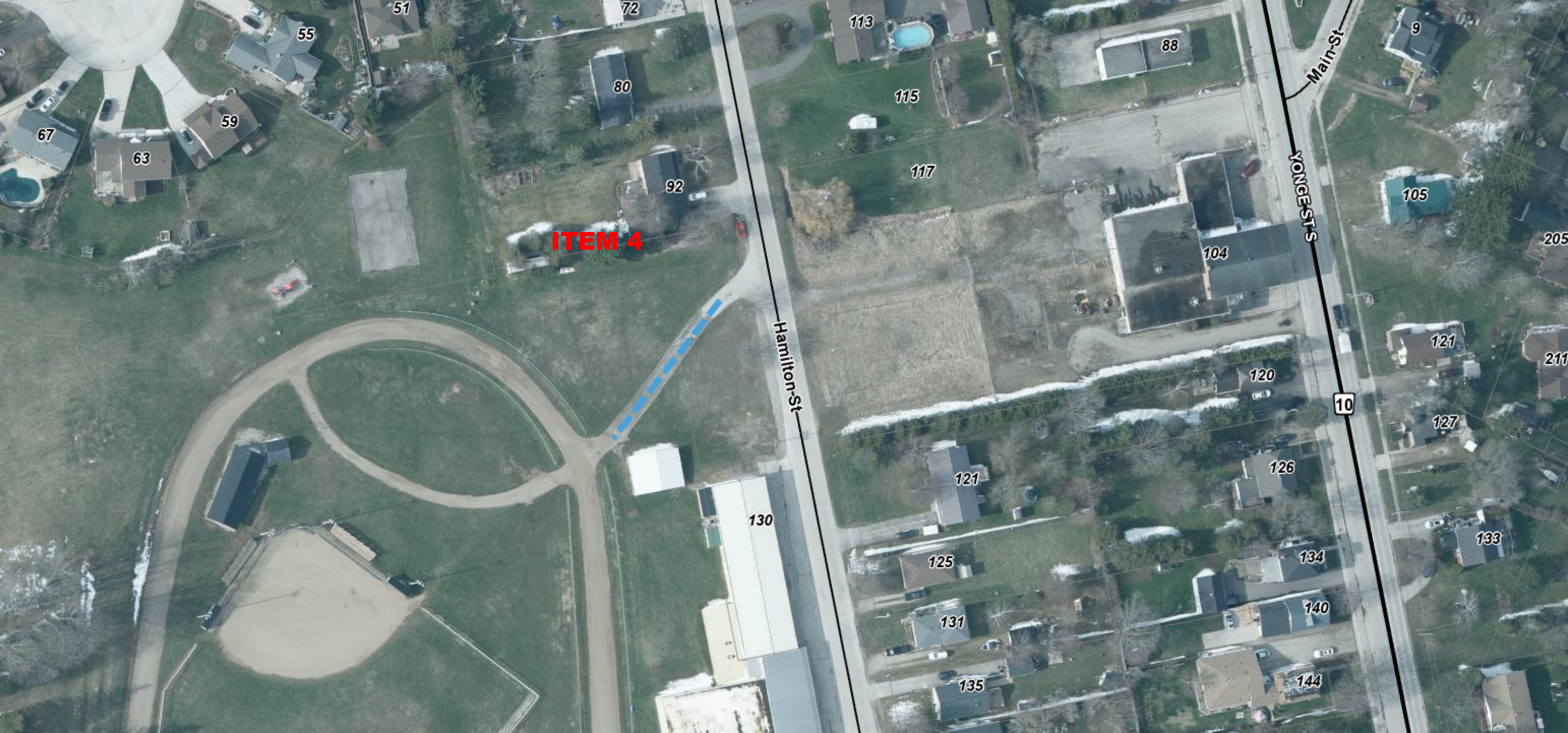
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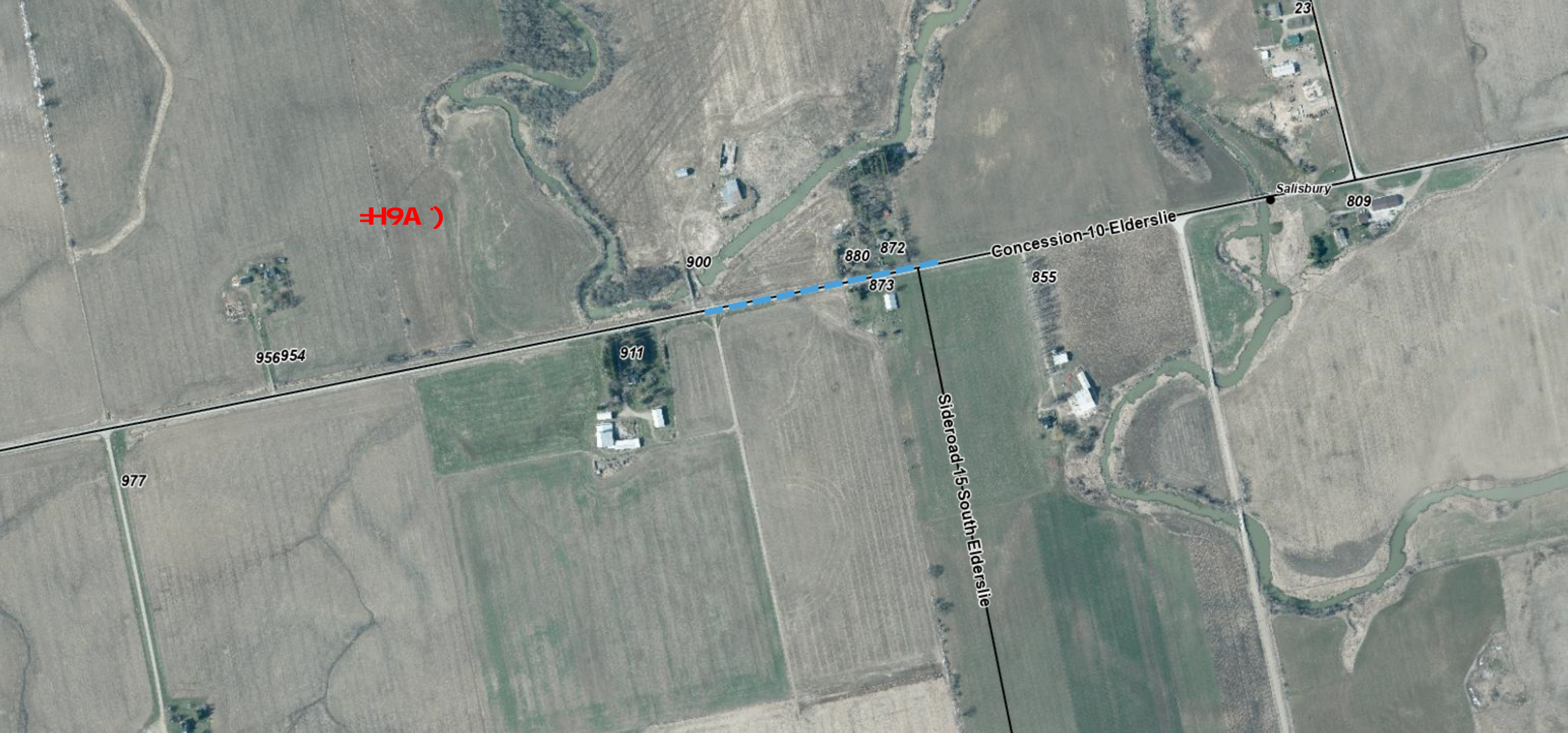
GOLDIE ST

399



ITEM 3





H9A)

Salisbury

809

Concession-10-Elderslie

Sideroad-15-South-Elderslie

900

880

872

873

855

911

956954

977

23



H9A *

BRUCE ROAD 11

11

Sideroad 15 South Elderslie

Sideroad 20 South Elderslie

Sideroad 25 Elderslie

Concession 2 Elderslie

BRUCE ROAD 19

19

Sideroad 10 South Elderslie

Sideroad 5 Elderslie