



Tender – 2025 Street and Sidewalk Repairs
TLC-16-25



LABRADORCITY

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TOWN OF LABRADOR CITY

FORM OF TENDER

2025 Street and Sidewalk Repairs TLC-16-25

Tenderer _____

Address _____

Telephone # _____

The undersigned bidder has carefully examined the Form of Tender, Instructions to Bidders, and agrees to supply item(s) as per the attached specifications.

Item No.	Location	Construction Cost	HST (15%)	Total Cost
4.1	Flora – Curb Replacement			
4.2	Booth and Hudson			
4.3	121 Matthew Avenue			
4.4	117 Drake Avenue			
4.5	101 Marconi Avenue			
4.6	Intersection of Tamarack and Bartlett			
4.7	Avalon Drive and Humphrey Road			
4.8	739 -737 Birch Street			
4.9	708 Field Street			
4.10	Intersection of Carol and Cook			
4.11	801 Cook Crescent			
4.12	939 Tamarack Drive			
4.13	976 Tamarack Drive			
4.14	Humphrey Road			
4.15	200 Humphrey Road			
4.16	Intersection of Carol and Hudson			
4.17	502 Bristol Crescent			
4.18	Landfill Access Rd			
4.19	Landfill public drop off access Rd			
4.20	136 Marconi			

The above quotation shall include all freight charges, F.O.B., Tamarack Drive, Labrador City, NL.

The tenderer, if awarded the contract, agrees supply within _____ weeks following notification of award of the contract.

Authorized Signature: _____ Date: _____

Contact Name: _____ Fax # _____

Email Address: _____

INSTRUCTIONS TO BIDDERS

1. TENDERS

- (a) Bidders shall submit Tenders in a sealed envelope and clearly marked to the town of Labrador City Office or by an emailed electronic copy to cashier@labradorcity.ca of the Bid in pdf format. Either method of delivery shall be duly marked:

“TENDER FOR: **2025 Street and Sidewalk Repairs TLC-16-25**
addressed to the attention of the Town Clerk, Town Hall, P.O. Box 280, Labrador City, NL A2V 2K5.

Include Bidders Name and Return Address on Envelope

- (b) Tenders shall close at **3:00 p.m. local time**, Labrador City on:
- June 25, 2025**
- (c) Before submitting a tender, tenderers shall carefully examine the tender documents and fully inform themselves of the contract requirements and existing conditions.
- (d) The Bidder should refrain from contacting other employees or members of Council of The Town of Labrador City in respect of this procurement process, including for the purposes of lobbying or attempting to influence the outcome of this procurement process. Any such contact may, in the Town of Labrador City’s sole discretion, result in disqualification of the Bidder.
- (e) The Town will not defray any expenses incurred by the tenderers in the preparation and submission of their tenders.
- (f) The Town, its employees and agents shall not be held liable or accountable for any error or omission in any part of this Tender or response to Bidder’s questions.
- (g) Quotation shall be valid for acceptance for ninety (90) days from the tender closing date.
- (f) This tender is subject to the *Access to Information and Protection of Privacy Act, 2015*.
- (g) The financial value of this tender will be publicly released as part of the award notification.

- (h) If applicable, this tender is subject to trade agreements.

2. BID SUBMISSION, REVISION & WITHDRAWAL

- (a) It is the Bidders' sole responsibility to ensure their Bid is received when, where and how it is specified in this document. The Town is not responsible for lost, delayed, misplaced, or incorrectly delivered Bids.
- (b) Bid revisions, changes, and alterations will be accepted by the Town provided they are received prior to the closing date and time of the Tender. Bid revisions, changes and alterations may be made only by completing a new Bid to the Town.
- (c) Where a Bidder submits multiple Bids to a Tender, each successive Bid will nullify and replace any previous Bids.
- (d) Bidders may withdraw their Tender at any time, prior to the closing date & time of a Tender, by submitting an email to cashier@labradorcity.ca. All withdrawn Bids will be shredded the Town of Labrador City.

3. UNACCEPTABLE TENDERS

- (a) Tenders not submitted on the Tender Form provided will not be considered.
- (b) E-mail or facsimile tenders will not be accepted.
- (c) Tenders received after the tender closing time will not be considered.
- (d) Incomplete tenders will be rejected.
- (e) Tenders containing qualifications or additional clauses to the Tender Form may be rejected.

4. SUBSTITUTIONS

- (a) Tenders shall be based upon using the materials or products as specified without substitution. Where two or more brand names are specified, the choice shall be left to the successful bidder. Where only one brand name is stated, there shall be no substitution.
- (b) Where the specifications include the **OR APPROVED EQUAL** clause, substitutions may be proposed provided that:
 - (l) The request for substitution is made in writing at least seven (7) days prior to the tender closing date.

- (ii) The request shall clearly define and describe the products for which the substitution is requested.
- (iii) The substitution item is equivalent to the described item with regard to design, function, appearance, durability, operation and quality.
- (iv) Approval of the substitution by the Town shall be in the form of an Addendum to the specifications issued to all the tenderers listed as having received a copy of the contract documents.

5. ACCEPTANCE OR REJECTION OF TENDERS

- (a) The Town reserves the right to reject any or all bids without stating reasons. The lowest or any tender will not necessarily be accepted.
- (b) Upon acceptance of the tender, the Tender Form becomes part of the Contract Documents and the successful tenderer becomes the Contractor.
- (c) One payment shall be made in accordance with the contract as follows:
 - (i) Upon acceptance of all material or products, or upon substantial completion of the work.
 - (ii) Within thirty (30) days of receipt of the invoice by the Town.
- (d) The Town reserves the right to accept a non-compliant bid.

6. ADDENDUMS

- (a) Addenda may be necessary for:
 - (i) Correction of the Tender and related forms
 - (ii) Extension of the submission deadline
 - (iii) Clarification of parts of the Tender
 - (iv) Retraction or cancellation of the Tender
 - (v) Responses to bidders questions
 - (vi) Other additions to, deletions from or alterations to the requirements contained in the Tender
- (b) Request for addenda must be submitted five (5) calendar days prior to the tender closing date. Requests submitted thereafter will not be considered or responded to.

- (c) All addendums become part of the Bid Documents, as appropriate. Bidders are responsible for addressing all addenda in preparing Bids and should confirm, prior to submitting Bids, that all issued addenda have been received.

7. DELIVERY

- (a) Where the Tender includes a mandatory delivery schedule, the Town will assume that the Bidder can meet the requested schedule and is satisfied that the goods or services required will be available for delivery on the requested date(s).
- (b) Time is of the essence, and delivery schedule(s) are legally binding. The Town reserves the right to assess penalties or cancel awards to Bidders who fail to meet the stated delivery or completion dates.
- (c) All equipment/goods delivered are subject to inspection and test within a reasonable time after delivery to the Town premises. In the event of a defective product the Town reserves the right to return it to the vendor for full credit.

8. PERSON TO CONTACT

For further information contact Peter Boland at the following telephone number **709-944-7172** or email: **superintendent@labradorcity.ca**

9. Workers Compensation & Insurance

The Contractor covenants with the Town that its employees shall be fully covered within Worker's Compensation Regulations, and the Company shall on request furnish to the Town satisfactory proof that its employees are fully covered under the Worker's Compensation Act.

Prior to performing work hereunder, the Company agrees to provide the Town with confirmation of full insurance coverage including, without restricting the generality of the foregoing, Comprehensive General Liability Insurance of at least two million dollars (\$2,000,000.) covering the equipment. The Company shall be required to add the Town Council of Labrador City to this insurance policy as a named insured. The Town shall require thirty (30) days written notice of any material change in or cancellation of the insurance policy.

10. Safety

The Town of Labrador City will strictly enforce safety requirements as per the Occupational Health & Safety Act. All items of safety apparel/equipment shall be the responsibility of the contractor.

11. Taxes

- (a) Business Tax – In accordance with the Municipalities Act, 1999 as amended, all businesses carrying on business in the municipality shall be charged an annual tax to be known as “the business tax”. All companies doing business in the Town of Labrador City who are not subject to a property tax payable to either the Town of Labrador City or the Town of Wabush or a place of business that cannot be assessed under the Assessment Act, shall be assessed as “no fixed place of business” and billed at the rate of 3% of gross revenue with a minimum of \$2,500 and a maximum of \$5,500 per calendar year.
- (b) The Town of Labrador City is subject to the Harmonized Sales Tax at the rate of 15%.
- (c) Above referenced tax shall be shown separately on all invoices presented to the Town of Labrador City for payment.

12. Completing the Form of Tender

Bidders may submit a price for any or all items listed on the Form of Tender. A separate contract will be awarded for each item of the tender.

The sums herein tendered include all taxes, royalties, custom duties, foreign exchange charges, transportation, traveling costs, all overhead and profit, all co-ordination fees, insurance premiums and all other charges.

1.0 SUMMARY OF WORK

1.1 Work Description

- .1 Work under this Contract comprises the patching of various streets and sidewalks within Labrador City, NL, which can be summarized as follows:
 - .1 Installation of approximately 46m of curb on Flora Crescent including three (3) driveway entrances.
 - .2 Installation of approximately 16m² asphalt patch at the intersection of Booth and Hudson including adjustment to one storm sewer maintenance hole.
 - .3 Installation of approximately 52m of combined curb and Sidewalk near 121 Matthew Avenue.
 - .4 Installation of an asphalt driveway approximately 47m² at 117 Drake Avenue. Subgrade improvement at the location of a repair.
 - .5 101 Marconi Avenue - Installation of approximately 21m² concrete driveway patch, 6.1m of curb and sidewalk and subgrade improvement at the location of repairs. Reinstate the existing retaining wall along driveway with same material.
 - .6 Installation of asphalt patch including adjustments to four (4) storm sewer maintenance holes at the intersection of Tamarack Drive and Bartlett Drive.
 - .7 Installation of approximately 390m² asphalt patch at the intersection of Avalon Drive and Humphrey Road. Adjustment to one storm sewer maintenance hole.
 - .8 Installation of approximately 392m² asphalt patch near 738 Birch. Replace 2 sections of combined curb and sidewalk. 25.6m near 737 Birch St. including driveway ramp and 18.3m near 736 Birch St. including paraplegic ramp.
 - .9 Installation of approximately 7.8m of combined curb and Sidewalk near 708 Field Street
 - .10 Installation of approximately 66m² asphalt patch at the intersection of Carol Drive and Cook Crescent.
 - .11 Installation of approximately 56m² asphalt patch at 801 Cook Crescent.
 - .12 Installation of approximately 112m² asphalt patch at 939 Tamarack Drive.
 - .13 Installation of approximately 36m² asphalt patch at 976 Tamarack Drive.
 - .14 Installation of approximately 160m² asphalt patch at Humphrey Road.
 - .15 Installation of approximately 110m² asphalt patch at 200 Humphrey Road.
 - .16 Installation of approximately 45m² asphalt patch at the intersection of Carol Drive and Hudson Drive. Adjustment to one storm sewer maintenance hole.

- .17 Installation of approximately 10m² asphalt patch near 502 Bristol Crescent and 6.3m of combined curb and sidewalk
- .18 Installation of approximately 23m² asphalt patch at Landfill Access Rd.
- .19 Installation of two asphalt patches approximately 56m² and at Landfill public drop off access Rd.
- .20 136 Marconi - Installation of approximately 55m² asphalt patch.

- .2 All sidewalk, curb, and asphalt to be completed as per the latest edition of the NL Municipal Water, Sewer and Road Specifications.
- .3 All sub-base material for curb and sidewalk to meet Class 'B' Municipal Specification.
- .4 All sub-base material for asphalt work to meet Class 'A' Municipal Specification.
- .5 Asphalt patches shall be 2 – 40 mm lifts for a total thickness of 80 mm.
- .6 Provide temporary measures to accommodate vehicular traffic and pedestrian access.
- .7 Prior to commencement of work, the Contractor shall meet with the Owner at which time the Owner shall identify what, if any, priorities exist respecting the areas of work.

1.2 Contractor use of premises

- .1 Contractor shall provide a project plan to execute the work in a safe and efficient manner. Provide a minimum of 72 hours notice prior to any street closures to the Owner and to first responders.
- .2 Contractor shall minimize both the area affected and the duration of the disruption by the work along municipal roadways. Coordinate all activities with the Owner's Representative.
- .3 Contractor shall minimize the disturbance to private properties with respect to both the extents and the duration of the disturbance.
- .4 Provide construction signage to clearly mark construction activity, barricades and lights to delineate the work areas as necessary. Maintain and adjust regularly to reflect work progress.
- .5 Coordinate work activity with first responders and make provision for emergency access.

2.0 HEALTH AND SAFETY REQUIREMENTS

- .1 Conduct operations in accordance with the latest edition of the Newfoundland Occupational Health and Safety (OH&S) Act and Regulations, with specific reference

to codes and standards referenced therein, and the Department of Transportation and Works Occupational Health and Safety Manual.

- .2 Prior to the start of the project the Owner requires the following to be submitted to the Town Representative:
 - .1 Compliance Profile (History of subcontractor obtained from Service NL OH&S Division).
 - .2 Copy of Safety records.
 - .3 Copy of OH&S documents e.g. programs/safe work procedures, etc.
 - .4 Copy of names and contact information of adequate supervision.
 - .5 Copy of all accidents after job starts.
 - .6 Copies of safety meetings once the job starts.
 - .7 Copy of maintenance records of tools/equipment.
 - .8 Copy of hazard assessment.
 - .9 Copy of training certificates.
 - .10 Copy of permits/utility clearances where required.
 - .11 Emergency Plan (Strictly for Confined Space and working at height using fall protection) where required.
 - .12 Copy of Letter of good standing.
 - .13 Copy of Safe Work Practices.
 - .14 Applicable standards and guidelines.
 - .15 Copy of inspections once the work starts.

3.0 WARRANTY

- .1 The Contractor shall provide a guarantee for a minimum of one (1) year for all materials and workmanship contained in this contract.
- .2 Any work deemed to be defective within one year from the date of acceptance shall be made good within by the Contractor within a time agreed upon by the Contractor and the Owner.

4.0 LOCATION DETAILS

4.1 Flora – Curb Replacement

- .1 Approximately 46m of Curb
- .2 Dimensions and area are approximate. Areas are marked in the field.



Figure 1: Flora – Curb Replacement

4.2 Booth and Hudson

- .1 Installation of approximately 16m² asphalt patch at the intersection of Booth and Hudson including adjustment to one storm sewer maintenance hole.
- .2 Dimensions and area are approximate. Areas are marked in the field.

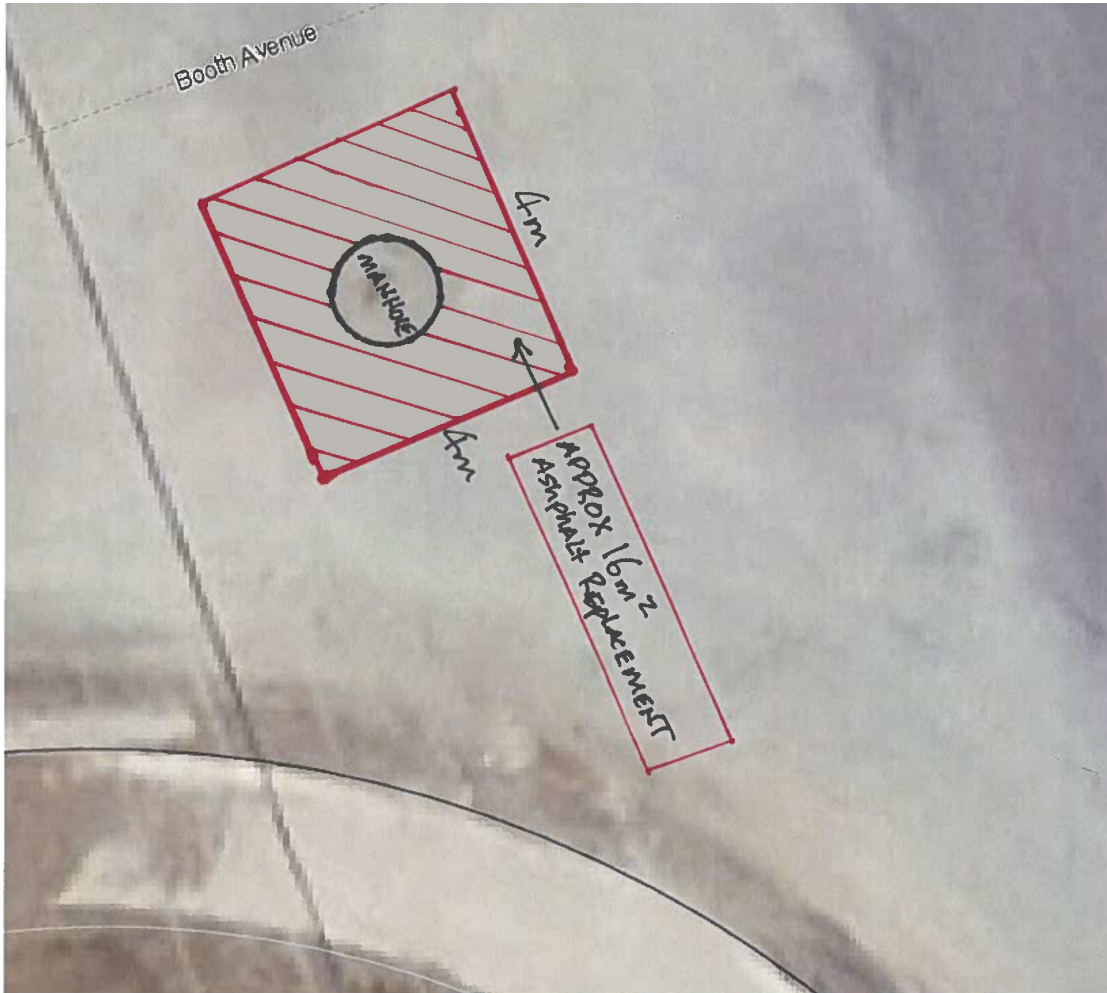


Figure 2: Booth and Hudson

4.3 121 Matthew Avenue

- .1 Installation of approximately 52m of combined curb and Sidewalk near 121 Matthew Avenue.
- .2 Dimensions and area are approximate. Areas are marked in the field.

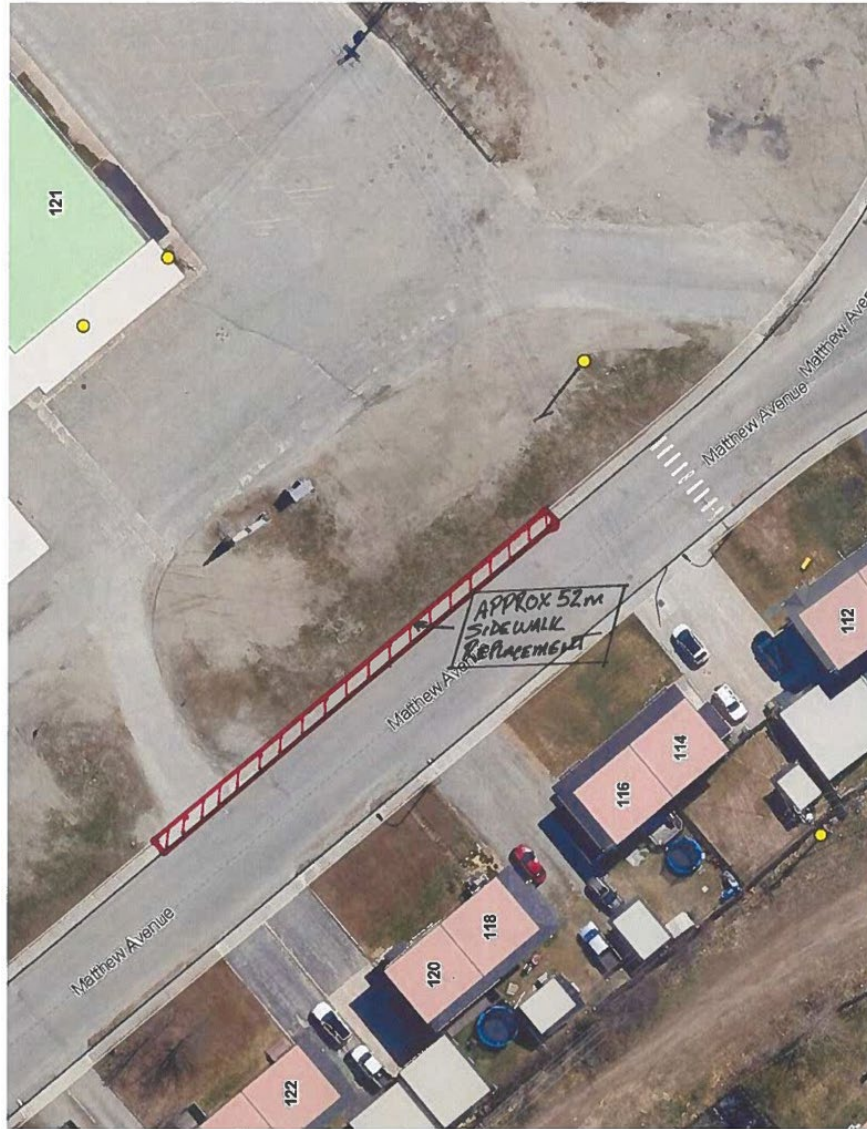


Figure 3: 121 Matthew Avenue

4.4 117 Drake Avenue

- .1 Installation of an asphalt driveway approximately 47m^2 at 117 Drake Avenue. Subgrade improvement at the location of a repair.
- .2 Dimensions are approximate. Areas are marked in the field.

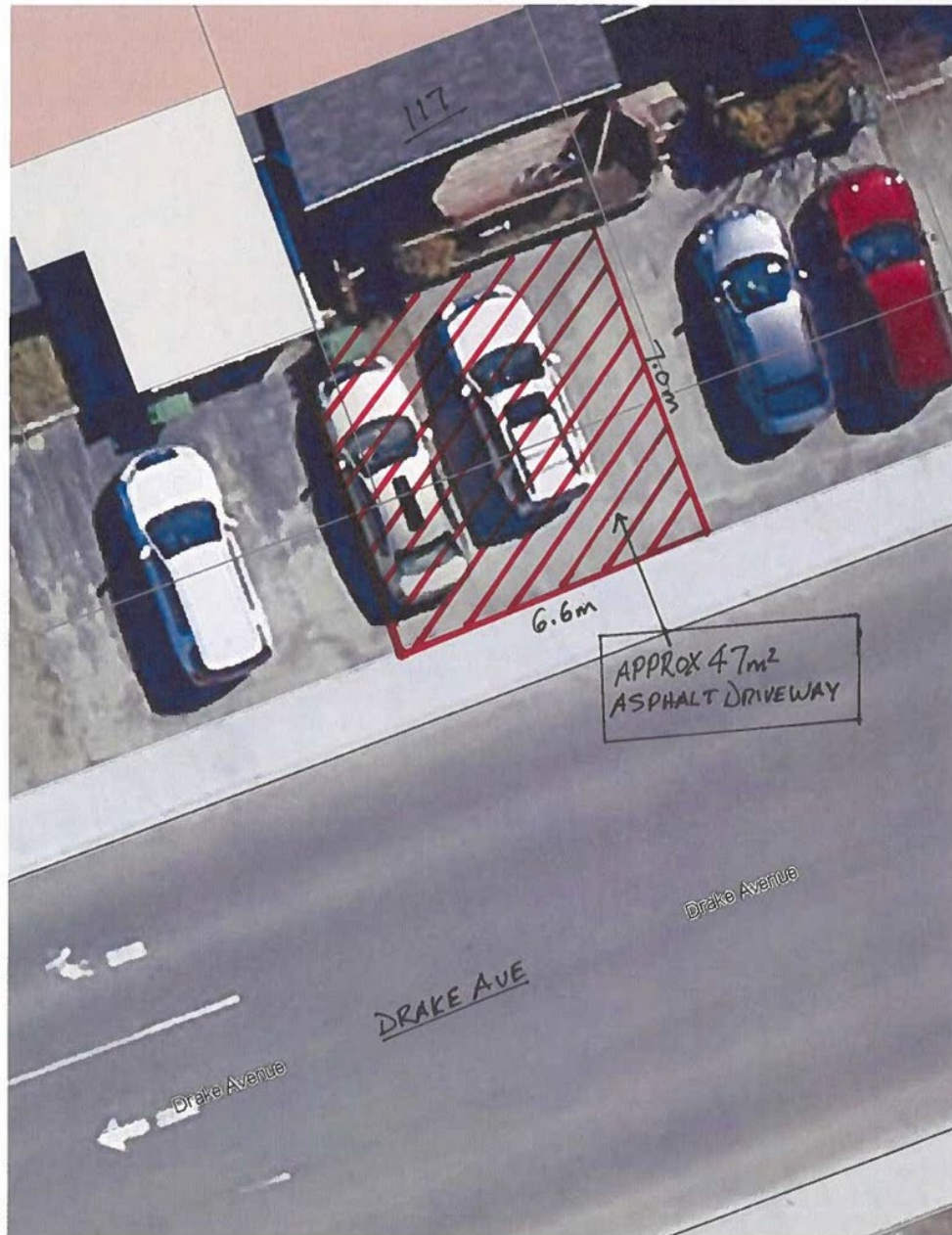


Figure 4: 117 Drake Avenue

4.5 101 Marconi Avenue

- .1 101 Marconi Avenue - Installation of approximately 21m² concrete driveway patch, 6.1m of curb and sidewalk and subgrade improvement at the location of repairs. Reinstall the existing retaining wall along driveway with same material.
- .2 Dimensions and area are approximate. Areas are marked in the field.



Figure 5: 101 Marconi Avenue

4.6 Intersection of Tamarack Drive and Bartlett Drive

- .1 Installation of asphalt patch including adjustments to four (4) storm sewer maintenance holes at the intersection of Tamarack Drive and Bartlett Drive.
- .2 Dimensions are approximate. Areas are marked in the field.



Figure 6: Intersection of Tamarack Drive and Bartlett Drive

4.7 Avalon Drive and Humphrey Road

- .1 Installation of approximately 390m² asphalt patch at the intersection of Avalon Drive and Humphrey Road. Adjustment to one storm sewer maintenance hole.
- .2 Dimensions are approximate. Areas are marked in the field.



Figure 7: Avalon Drive and Humphrey Road

4.8 739 -737 Birch Street

- .1 Installation of approximately 392m² asphalt patch near 738 Birch. Replace 2 sections of combined curb and sidewalk. 25.6m near 737 Birch St. including driveway ramp and 18.3m near 736 Birch St. including paraplegic ramp.
- .2 Dimensions are approximate. Areas are marked in the field.

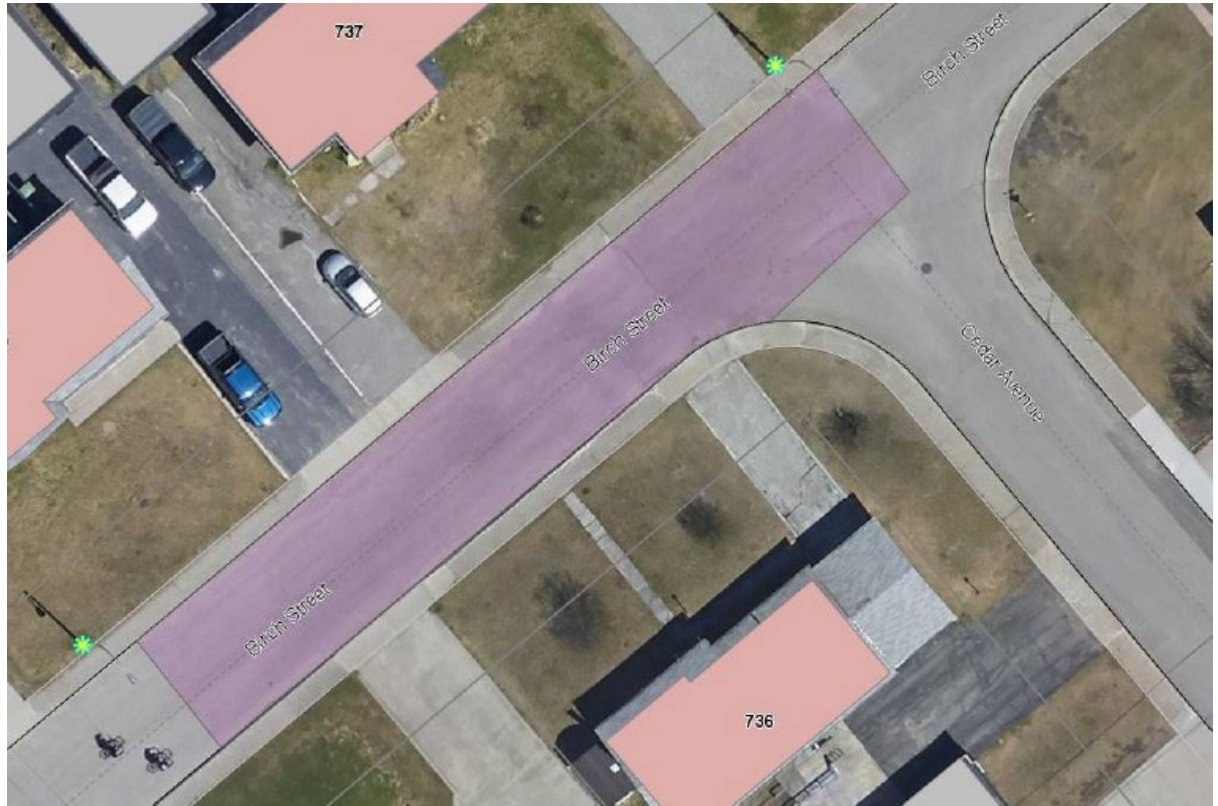


Figure 8: 739 -737 Birch Street

4.9 708 Field Street

- .1 Installation of approximately 7.8m of combined curb and Sidewalk near 708 Field Street
- .2 Dimensions are approximate. Areas are marked in the field.



Figure 9: 708 Field Street

4.10 Intersection of Carol Drive and Cook Crescent.

- .1 Installation of approximately 66m² asphalt patch at the intersection of Carol Drive and Cook Crescent.
- .2 Dimensions are approximate. Areas are marked in the field.



Figure 10: Intersection of Carol Drive and Cook Crescent.

4.11 801 Cook Cresent

- .1 Installation of approximately 56m² asphalt patch at 801 Cook Cresent.
- .2 Dimensions are approximate. Areas are marked in the field.



Figure 11: 801 Cook Cresent

4.12 939 Tamarack Drive

- .1 Installation of approximately 112m² asphalt patch at 939 Tamarack Drive.
- .2 Water line repair excavation area:
 - .1 Excavate to a depth of 1 m below subgrade and backfill with suitable pit run, place and compact as per best practices.
 - .2 Place and compact 150 mm Class B
 - .3 Place and compact 100 mm Class A
- .3 Dimensions are approximate. Areas are marked in the field.

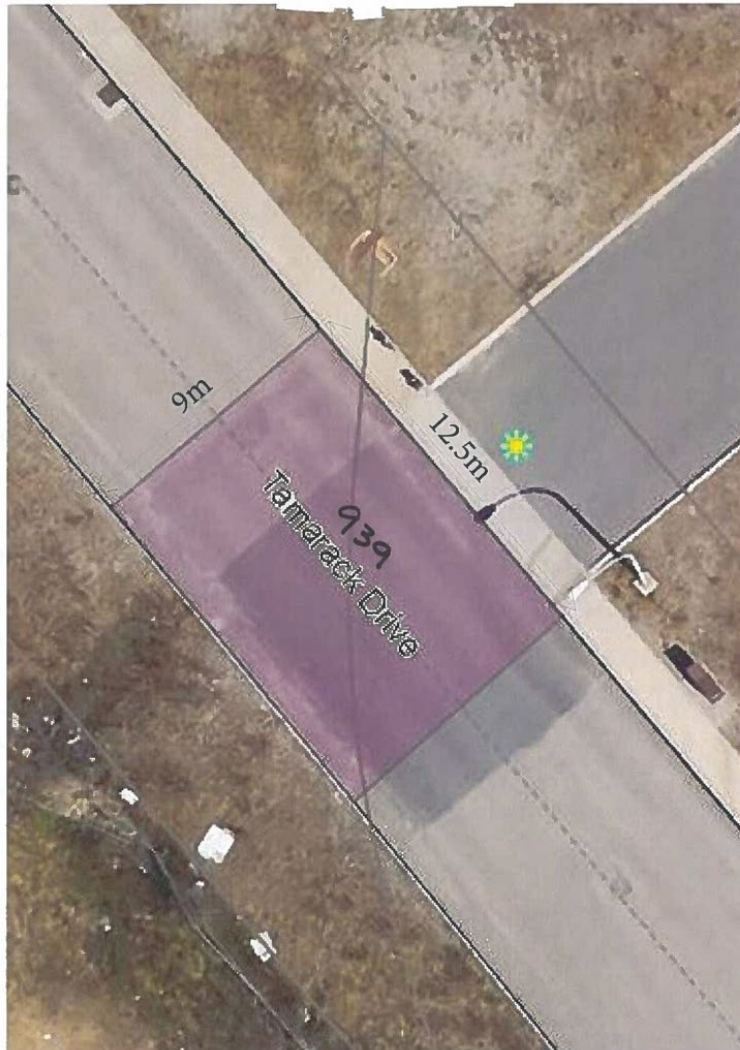


Figure 12: 939 Tamarack Drive

4.13 976 Tamarack Drive

- .1 Installation of approximately 36m² asphalt patch at 976 Tamarack Drive.
- .2 Dimensions are approximate. Areas are marked in the field.



Figure 13: 976 Tamarack Drive

4.14 Humphrey Road

- .1 Installation of approximately 160m² asphalt patch at Humphrey Road.
- .2 Dimensions are approximate. Areas are marked in the field.



Figure 14: Humphrey Road

4.15 200 Humphrey Road

- .1 Installation of approximately 110m² asphalt patch at 200 Humphrey Road.
- .2 Dimensions are approximate. Areas are marked in the field.



Figure 15: 200 Humphrey Road

4.16 Intersection of Carol Drive and Hudson Drive

- .1 Installation of approximately 45m² asphalt patch at the intersection of Carol Drive and Hudson Drive. Adjustment to one storm sewer maintenance hole.
- .2 Dimensions are approximate. Areas are marked in the field.



Figure 16: Intersection of Carol Drive and Hudson Drive

4.17 502 Bristol Cresnet

- .1 Installation of approximately 10m² asphalt patch across from 502 Bristol Cresnet and 6.3m of combined curb and sidewalk
- .2 Dimensions are approximate. Areas are marked in the field.



Figure 17: 502 Bristol Cresnet

4.18 Landfill Access Rd

- .1 Installation of approximately 23m² asphalt patch at Landfill Access Rd.
- .2 Dimensions are approximate. Areas are marked in the field.



Figure 18: Landfill Access Rd

4.19 Landfill public drop off access Rd.

- .1 Installation of two asphalt patches approximately 56m² and at Landfill public drop off access Rd.
- .2 Dimensions are approximate. Areas are marked in the field.

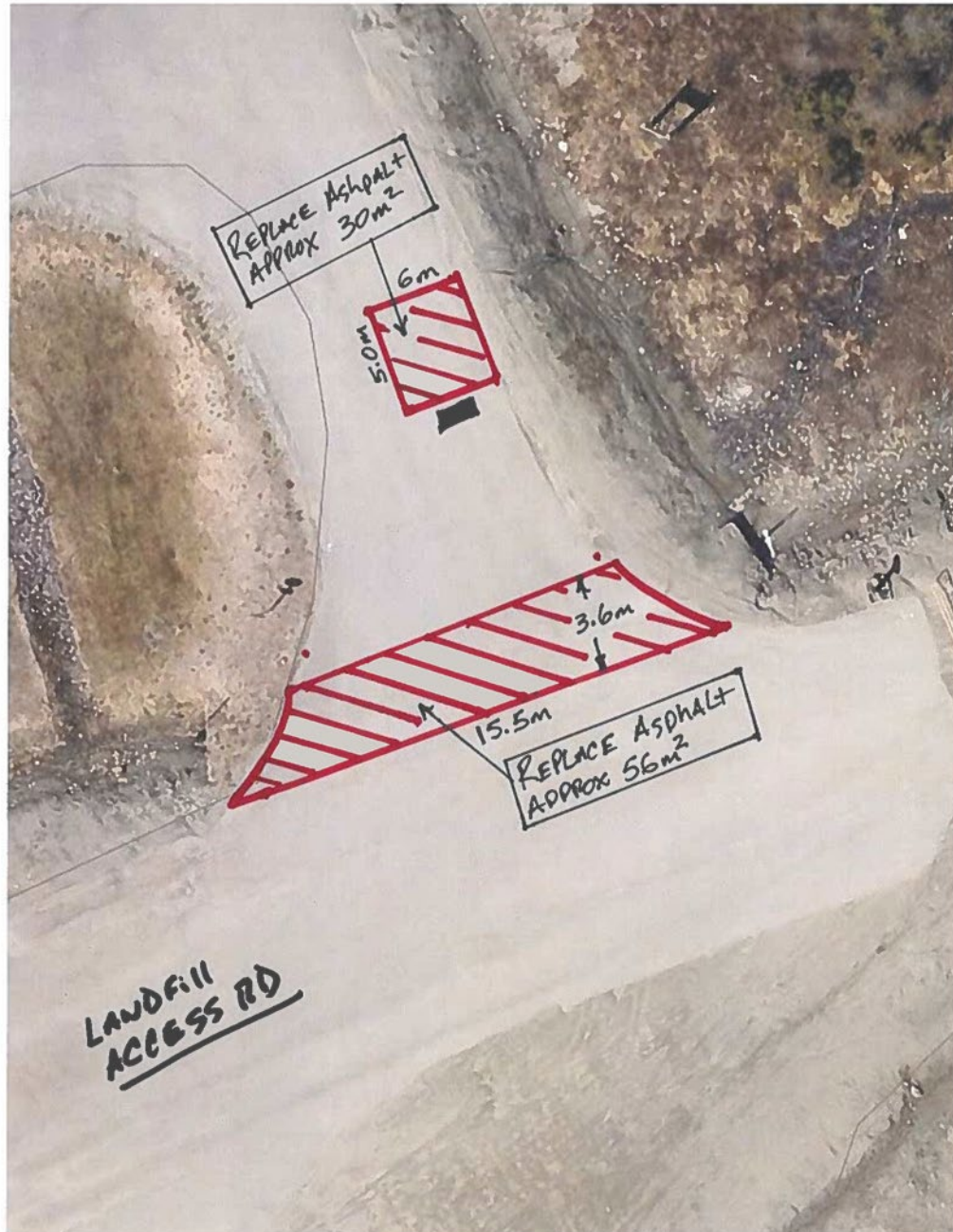


Figure 19: Landfill public drop off access Rd.

4.20 136 Marconi

- .1 136 Marconi - Installation of approximately 55m² asphalt patch.
- .2 Dimensions are approximate. Areas are marked in the field.

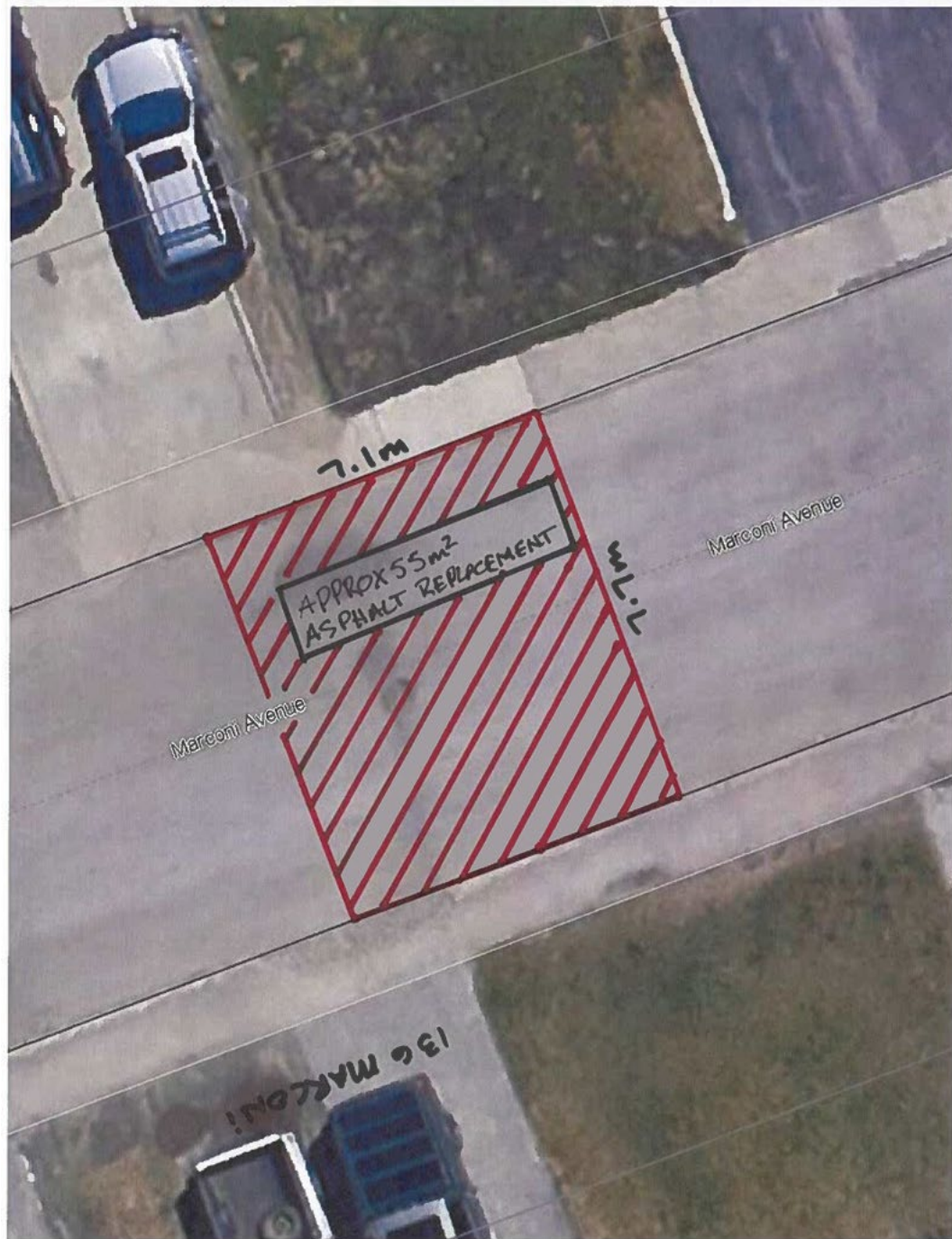
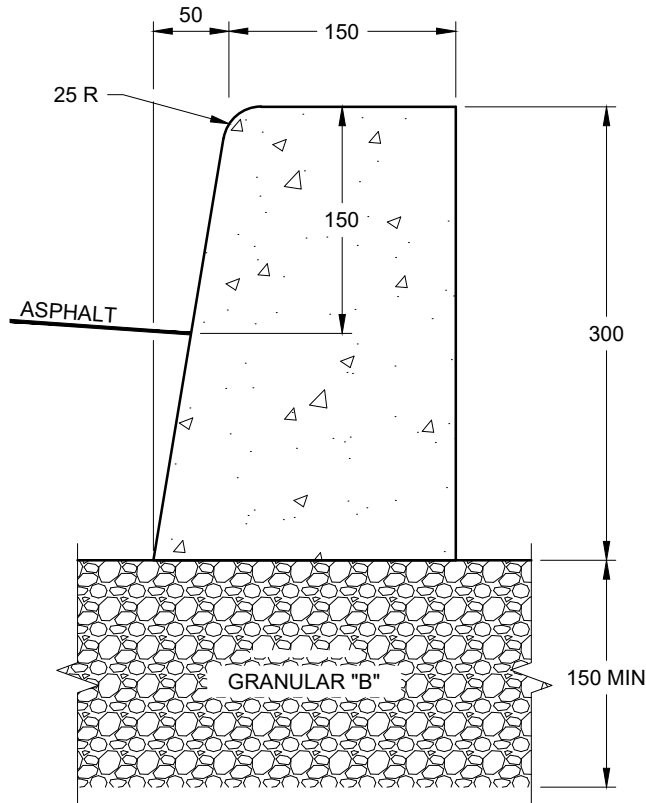
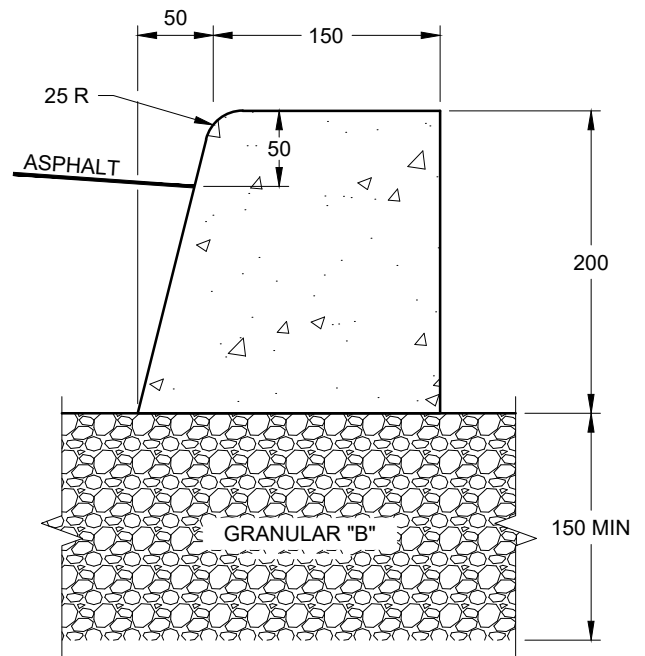


Figure 20: 136 Marconi

Appendix 1



HIGH BACK



LOW BACK

NOTES:

1. 32 MPa CONCRETE TO MEET CSA A23.1/A23.2, CLASS C-2 EXPOSURE.
2. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
3. CONTRACTION JOINTS IN CURB AND GUTTER SECTIONS SHOULD EXTEND COMPLETELY THROUGH THE CURB HEIGHT AND 1/4 OF THE GUTTER THICKNESS. WHEN SIDEWALK IS ADJACENT TO CURB, MAKE JOINTS OF CURB AND SIDEWALK ALIGN.
4. IF THE CURB IS INTEGRAL WITH CONCRETE PAVEMENT, CONTRACTION JOINT SPACING IN THE CURB SHOULD MATCH THAT IN THE PAVEMENT.
5. CONTRACTION JOINTS SHOULD BE LOCATED WHERE THE PLACING OF CONCRETE MUST BE STOPPED FOR A PERIOD IN EXCESS OF 30 MINUTES.

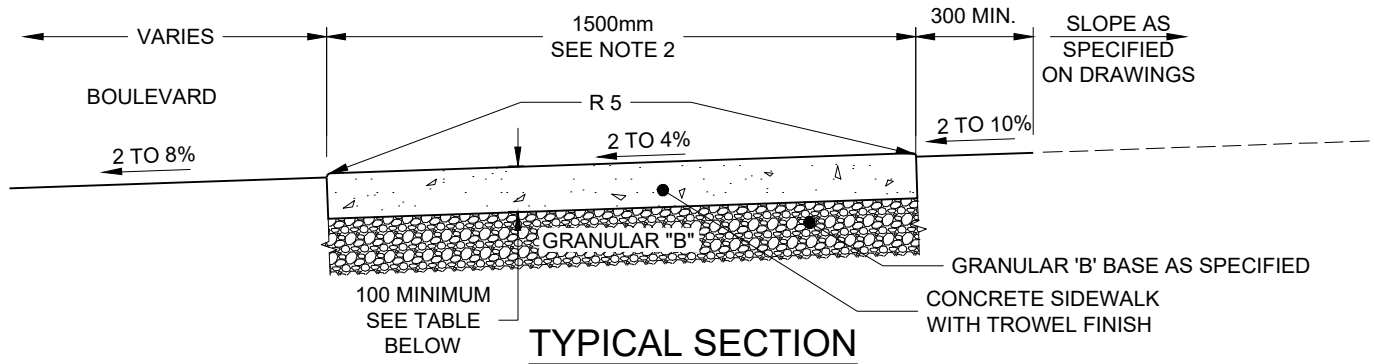
**MUNICIPAL MASTER
SPECIFICATIONS**

CONCRETE BARRIER CURB

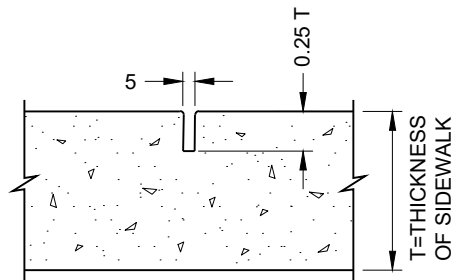
DRAWING NUMBER 04080

DATE: APRIL 2023

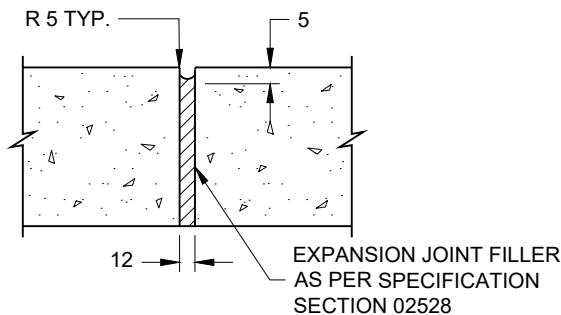
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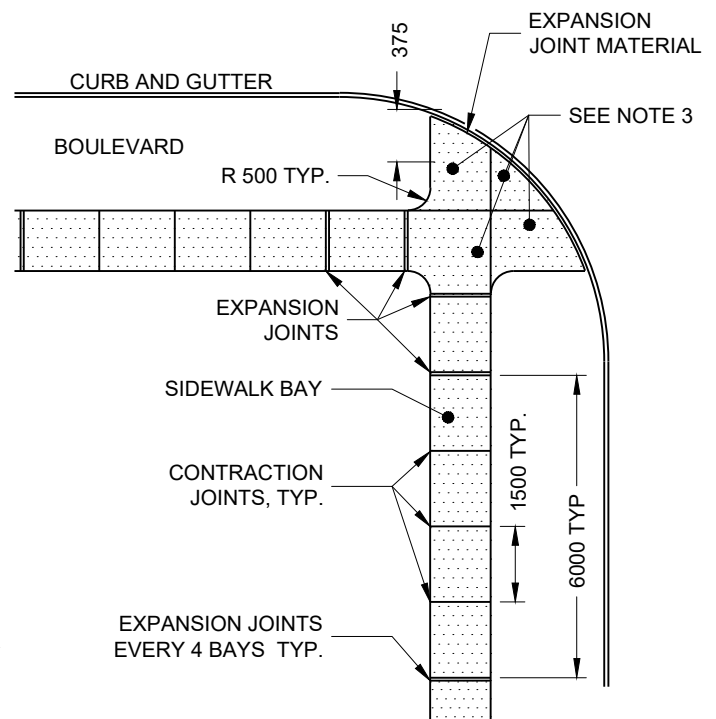
CONCRETE THICKNESS	
MINIMUM	100mm
RESIDENTIAL DRIVEWAY	150mm
COMMERCIAL/ INDUSTRIAL DRIVEWAY	200mm



CONTRACTION JOINT



EXPANSION JOINT



JOINT LAYOUT

NOTES:

- 32 MPa CONCRETE TO MEET CSA A23.1/A23.2, CLASS C-2 EXPOSURE. AS PER SPECIFICATION SECTION 02528.
- SIDEWALK WIDTH SHALL BE INCREASED TO 2400mm AT SCHOOLS, BUS STOPS, AND OTHER HIGH PEDESTRIAN AREAS. SIDEWALK LENGTH IS PROJECT SPECIFIC AND SHALL BE DETERMINED BY ENGINEER.
- THIS STANDARD DRAWING TO BE READ IN CONJUNCTION WITH STANDARD DRAWING 04150.
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.
- WHERE CONTRACTION JOINTS ARE NEEDED, THE METHOD USED MUST GUARANTEE THAT AT LEAST 1/4 OF THE SIDEWALK THICKNESS OF CONCRETE IS INDENTED TO CONTROL DRYING SHRINKAGE CRACKING. SUITABLE METHODS ARE THE USE OF PREFORMED JOINT MATERIALS OR SAW CUTTING ONE QUARTER THE SLAB THICKNESS WITHIN 6 TO 18 HOURS AFTER THE CONCRETE HAS HARDENED BEFORE DRYING SHRINKAGE CRACKS APPEAR. FOR SLIPFORM CONSTRUCTION, THE JOINTS MAY BE FORMED USING A GUILLOTINE OR WIRE TO CUT THE PLASTIC CONCRETE, OR BY SAW CUTTING THE HARDENED CONCRETE.
- CONTRACTION JOINTS SHALL BE LOCATED AT 24 TO 30 T MAXIMUM. WHERE SIDEWALK WIDTH IS 2.5 m OR GREATER, A CONTRACTION JOINT SHOULD ALSO BE FORMED ALONG THE CENTERLINE OF THE WALK. CONTRACTION JOINT SPACING FOR SIDEWALK SHALL BE APPROXIMATELY THE SAME AS THE WIDTH AND NOT MORE THAN 1.5 TIMES THE WIDTH.
- ISOLATION JOINTS SHOULD BE LOCATED ADJACENT TO EXISTING STRUCTURES, (POLES, WALLS, HYDRANTS, BUILDINGS, ETC.) ISOLATION JOINTS SHOULD ALSO BE LOCATED BEFORE AND AFTER CURVE SECTIONS AND AT INTERSECTIONS.
- ISOLATION JOINT FILLER SHOULD BE 12 mm THICK.
- CONTRACTION JOINTS SHOULD BE LOCATED WHERE THE PLACING OF CONCRETE MUST BE STOPPED FOR A PERIOD IN EXCESS OF 30 MINUTES.

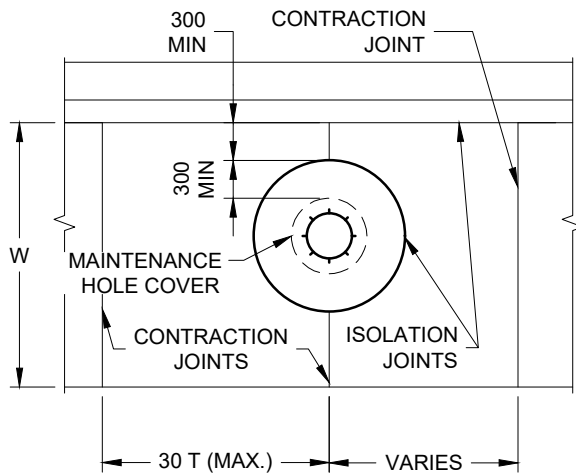
**MUNICIPAL MASTER
SPECIFICATIONS**

CONCRETE SIDEWALK

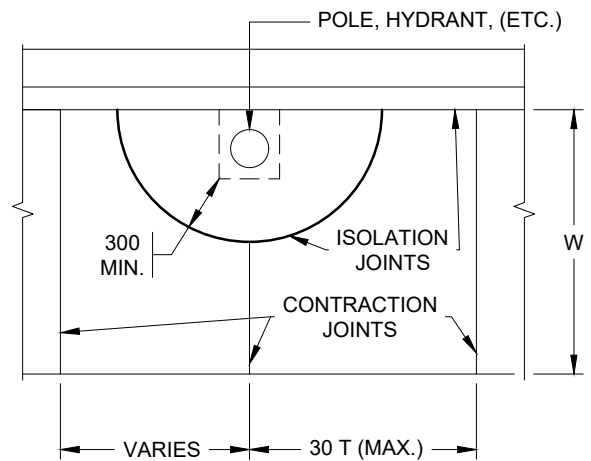
DRAWING NUMBER 04100

DATE: APRIL 2023

SCALE: N.T.S.



DETAIL COVER BOXOUT



DETAIL POLE BOXOUT

NOTES:

1. T = CONCRETE THICKNESS.
2. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.
3. WHERE CONTRACTION JOINTS ARE NEEDED, THE METHOD USED MUST GUARANTEE THAT AT LEAST 1/4 OF THE CONCRETE THICKNESS IS INDENTED TO CONTROL DRYING SHRINKAGE CRACKING. SUITABLE METHODS ARE THE USE OF PREFORMED JOINT MATERIALS OR SAW CUTTING ONE QUARTER THE SLAB THICKNESS WITHIN 6 TO 18 HOURS AFTER THE CONCRETE HAS HARDENED BEFORE DRYING SHRINKAGE CRACKS APPEAR. FOR SLIPFORM CONSTRUCTION, THE JOINTS MAY BE FORMED USING A GUILLOTINE OR WIRE TO CUT THE PLASTIC CONCRETE, OR BY SAW CUTTING THE HARDENED CONCRETE.
4. CONTRACTION JOINTS SHALL BE LOCATED AT 24 TO 30 T MAXIMUM.
5. SPACING OF CONTRACTION JOINTS SHOULD VARY TO COINCIDE WITH THE CENTER OF MAINTENANCE HOLES OR OTHER BOX-OUTS.
6. ISOLATION JOINT FILLER (AS PER SPECIFICATION SECTION 02528) SHOULD BE 12 mm THICK.
7. CONTRACTION JOINTS SHOULD BE LOCATED WHERE THE PLACING OF CONCRETE MUST BE STOPPED FOR A PERIOD IN EXCESS OF 30 MINUTES.
8. CONTRACTION JOINTS IN CURB AND GUTTER SECTIONS SHOULD EXTEND COMPLETELY THROUGH THE CURB HEIGHT AND 1/4 OF THE GUTTER THICKNESS. WHEN SIDEWALK IS ADJACENT TO CURB, MAKE JOINTS OF CURB AND SIDEWALK ALIGN.
9. IF THE CURB IS INTEGRAL WITH CONCRETE PAVEMENT, CONTRACTION JOINT SPACING IN THE CURB SHOULD MATCH THAT IN THE PAVEMENT.
10. WHERE SIDEWALK WIDTH IS 2.5 m OR GREATER, A CONTRACTION JOINT SHOULD ALSO BE FORMED ALONG THE CENTERLINE OF THE WALK. CONTRACTION JOINT SPACING FOR SIDEWALK SHALL BE APPROXIMATELY THE SAME AS THE WIDTH AND NOT MORE THAN 1.5 TIMES THE WIDTH.
11. ISOLATION JOINTS SHOULD BE LOCATED ADJACENT TO EXISTING STRUCTURES, (POLES, WALLS, HYDRANTS, BUILDINGS, ETC.) ISOLATION JOINTS SHOULD ALSO BE LOCATED BEFORE AND AFTER CURVE SECTIONS AND AT INTERSECTIONS.

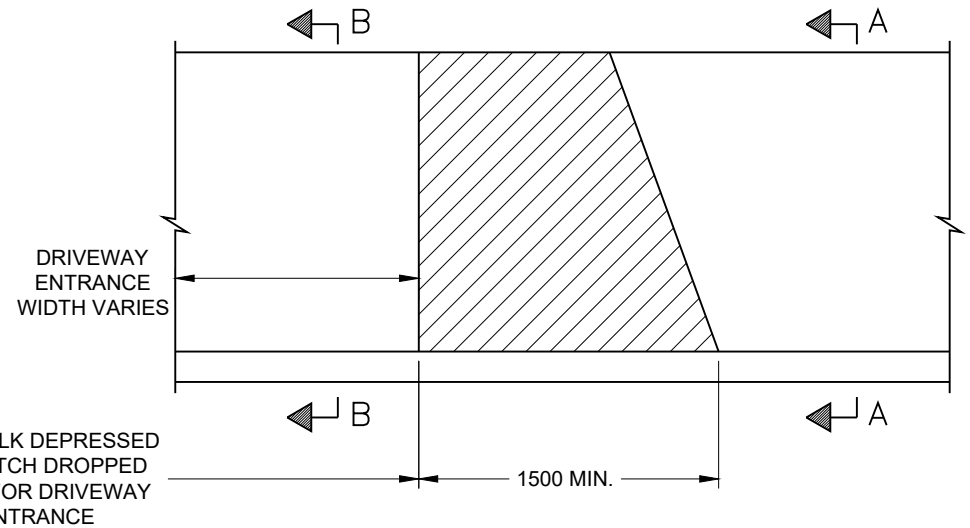
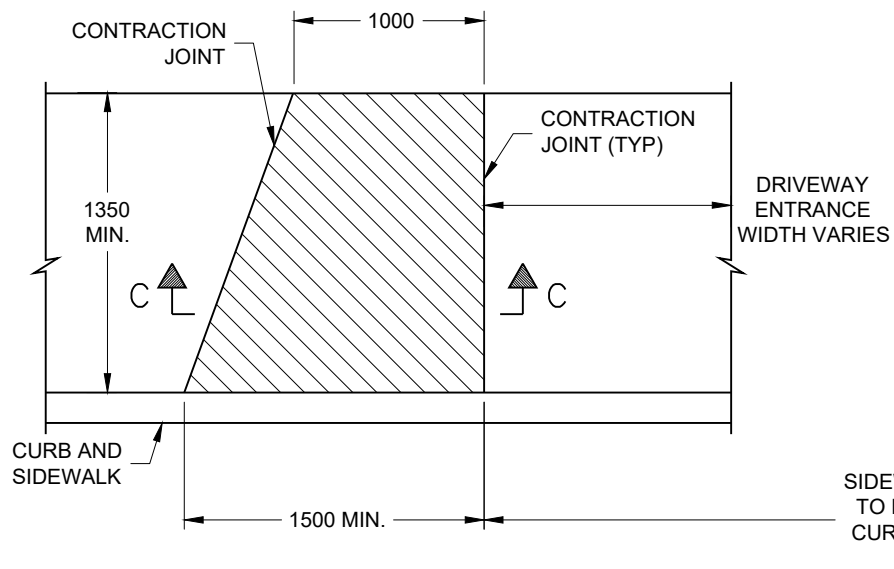
**MASTER
SPECIFICATIONS**

CONCRETE JOINT NOTES

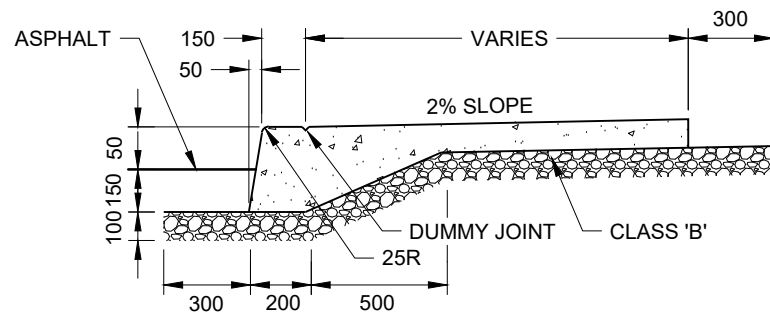
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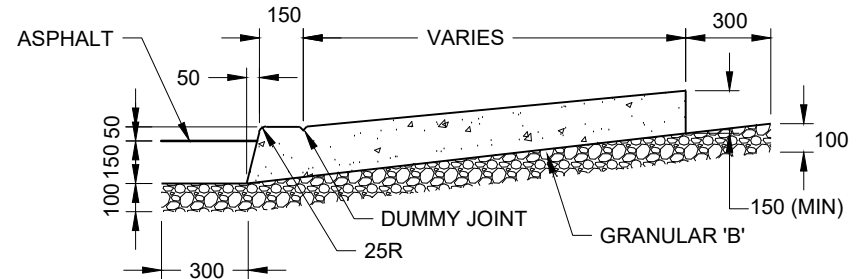
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SIDEWALK AT DRIVEWAY ENTRANCE - PLAN



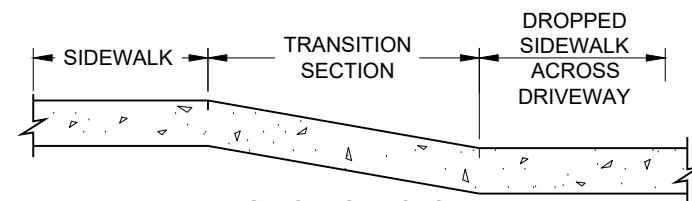
SECTION A-A



SECTION B-B

NOTES:

1. DRIVEWAY MINIMUM THICKNESS OF SIDEWALK SHALL BE 150 MILLIMETERS, 200mm AT COMMERCIAL AND INDUSTRIAL DRIVEWAYS.
2. FOR CONTRACTION JOINT DETAIL, SEE STANDARD DRAWING 04100.
3. CONCRETE IS TO BE 32 MPa TO MEET CSA A23.1/23.2, CLASS C-2 EXPOSURE.



SECTION C-C

MUNICIPAL MASTER
SPECIFICATIONS

COMBINED CONCRETE
CURB & SIDEWALK

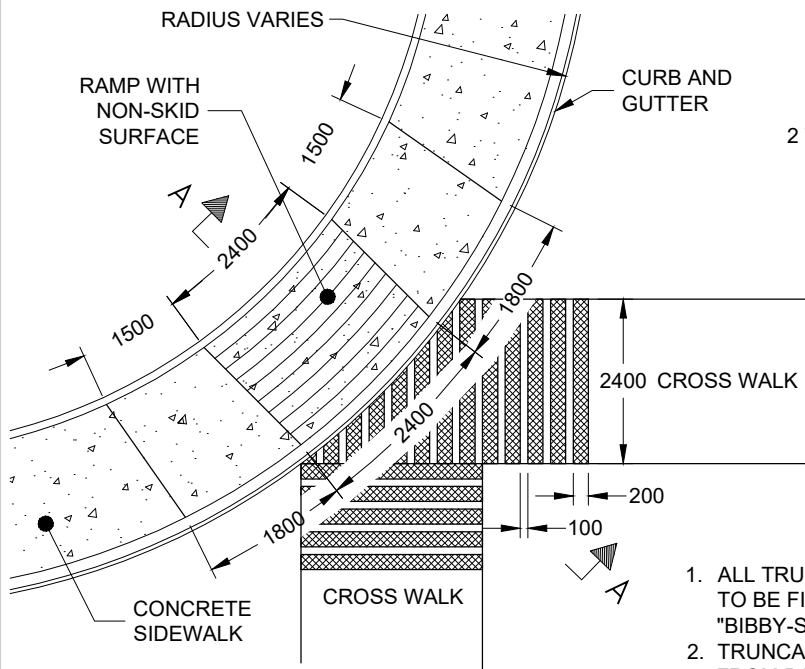
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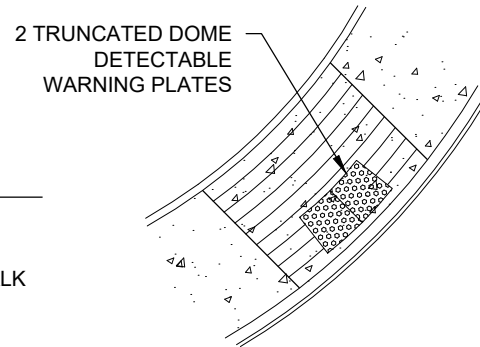
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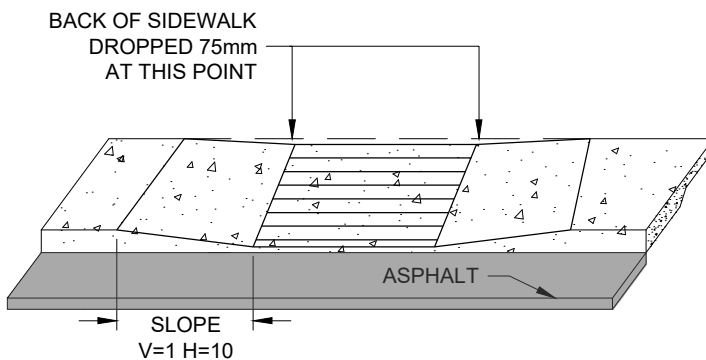


PLAN VIEW

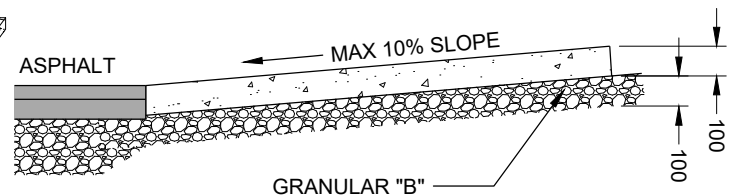


TACTILE PLATES OPTION

1. ALL TRUNCATED DOME DETECTABLE WARNING PLATE DESIGNS ARE TO BE FINALIZED BY THE PLATE MANUFACTURER, "BIBBY-STE-CROIX" OR APPROVED EQUIVALENT (610mmx610mm SQ.).
2. TRUNCATED DOME PLATES ARE TO BE PLACED 150mm OFFSET FROM BACK OF CURB (200mm MAX.) MINIMUM 150mm CONCRETE REQUIRED FROM OUTER EDGE OF PLATE ASSEMBLY TO EDGE OF SIDEWALK.
3. COLOUR OF TRUNCATED DOME PLATES TO BE NATURAL PATINA.
4. PLATES TO BE ALIGNED PARALLEL TO CURB. ON RADII, REAR CORNERS OF ADJACENT PLATES TO TOUCH.



RAMP VIEW



SECTION A-A

NOTES:

1. CONCRETE TO BE 32 MPa TO MEET CSA A23.1/23.2, CLASS C-2 EXPOSURE.
2. A NON-SKID RIBBED SURFACE SHALL BE EDGED ON RAMP. SCORE LINES MUST LINE UP IN THE DIRECTION OF TRAVEL AND BE PARALLEL WITH THE SIDEWALK. SCORE CONCRETE USING A 9.5mm TROWEL, MIN 6 SCORE LINES AT 150mm O.C.
3. THE CURB RAMP SLOPE SHOULD BE IN ACCORDANCE WITH THE PROVINCIAL BUILDINGS AND ACCESSIBILITY ACT AND REGULATIONS AND SHOULD NOT EXCEED 1:10 SLOPE.
4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.

**MUNICIPAL MASTER
SPECIFICATIONS**

CURB RAMP ON RADIUS

DRAWING NUMBER 04150

DATE: APRIL 2023

SCALE: N.T.S.