

## PART 1 - ADDENDUM

### 1.1 TITLE

- .1 This Addendum shall be known as:

Addendum 3  
TFM-028-26 – TA-511-25 ACADEMIC TUNNELS RE-WATERPROOFING CP-2 (Paton College Tunnels)

- .2 The Date of the Addendum is Friday, April 24, 2026

### 1.2 PRECEDENCE

- .1 This amendment to the bid documents is effective immediately.
- .2 This Addendum shall form an integral part of the original bid documents and is to be read in conjunction therewith.
- .3 The Addendum shall take precedence over previously issued bid documents with which it may prove to be at variance.

### 1.3 GENERAL

- .1 The General Conditions shall govern all phases of the Work covered by this Addendum.
- .2 Acknowledge receipt of this addendum in the Tender and Acceptance form.

### 1.4 PURPOSE

- .1 The purpose of the Addendum is to inform bidders of the changes, deletions and additions to be added to the bid documents.

### 1.5 CHANGES TO DRAWINGS

1. Drawing 1/C-1.1 Paton College Tunnels Demolition Plan
1. Modification on the drawing to display a underground vault behind the South Campus Boiler Room that was not on original drawings.

### 1.6 CHANGES TO SPECIFICATION

N/A

### 1.7 QUESTIONS AND RESPONSES

1. **Question:** Addendum 2 question 11 response states "As a general guidance, no heavy equipment is to travel on top of the tunnel". There appear to be areas onsite where there

is not adequate distance alongside the tunnel to machine dig/transport fill to stockpiles without passing over the footprint of the tunnel. Is there a load limit for smaller equipment that may pass over the tunnel, or is the expectation that hand digging will be required in these areas?

**Answer:** The tunnel is designed for minimum grades and very light vehicular traffic. For example, delivery vans, light trucks and light equipment in the range of four (4) ton gross weight.

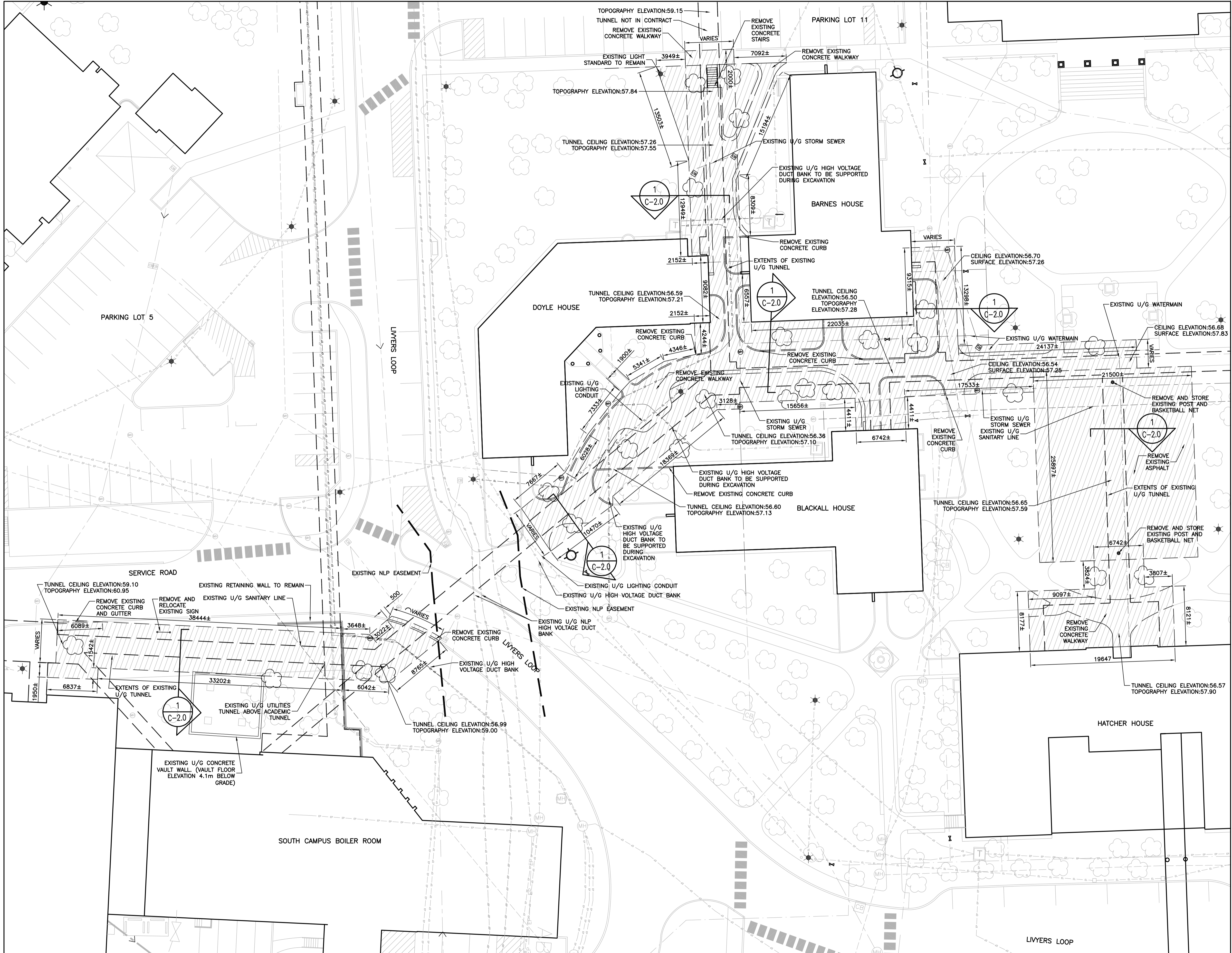
2. **Question:** The area of tunnel below Livyer's Loop appears to be omitted from the waterproofing replacement limits. The hatching for remove and replace waterproofing then starts again at the curb line. Is the termination of waterproofing as shown on the drawings, or will adequate setback be decided in the field to ensure that additional reinstatements are not required in roadways due to the sloping required to expose the waterproofing to the termination limits shown on the drawings?

**Answer:** The removal area indicated on the drawings along with dimensions are the limits of this project. You will notice that "varies" is indicated on the drawings for the width because the depth will change. The road in that area is not included in the contract due to an underground NLP high voltage duct bank and corresponding easement as noted in the drawings.

3. **Question:** Addendum 2 question 3 answer states that there will be a 3 metre buffer behind the retaining wall. Is there a similar buffer for the front of the retaining wall?

**Answer:** The "3 meter buffer" is the width of the utility tunnel that is on top of the academic tunnel. Since the utility tunnel is not in the contract for waterproofing you would not have to excavate above that area. You will still need to excavate the area in front of the retaining wall.

**END OF ADDENDUM**



A A - DETAIL  
B B - LOCATION/DRAWING No.  
C C - DRAWING No.

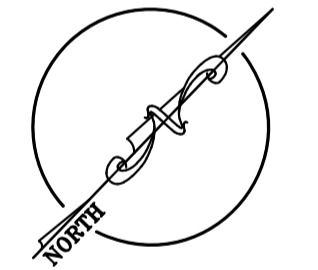
No.	REVISION	DATE
R3	ISSUED FOR ADDENDUM#3	APR 2026
R2	ISSUED FOR ADDENDUM#1	APR 2026
R1	ISSUED FOR TENDER	APR 2026
R0	ISSUED FOR REVIEW	MAR 2026

**GENERAL NOTES**

1. DRAWINGS TO BE READ AS A SET.
2. DO NOT SCALE FROM DRAWINGS.
3. THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO SUBMISSION OF TENDERS.
4. ALL DEFICIENCIES FOUND IN THIS DRAWING IS TO BE BROUGHT TO THE ATTENTION OF THE FACILITIES ENGINEERING AND DEVELOPMENT OFFICE OF THE DEPARTMENT OF FACILITIES MANAGEMENT, MEMORIAL UNIVERSITY OF NEWFOUNDLAND, PRIOR TO THE SUBMISSION OF THE TENDERS.

**LEGEND**

- REMOVAL
- NEW LANDSCAPING
- NEW ASPHALT
- NEW CONCRETE
- NEW TOPSOIL
- WATER MAIN LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- EL UNDERGROUND ELECTRICAL CONDUIT
- EP UNDERGROUND HIGH VOLTAGE DUCT BANK
- GRADE DIRECTION
- LIGHT STANDARD
- MANHOLE
- VALVE
- CATCH BASIN
- FIRE HYDRANT
- TRANSFORMER



This University was raised by the people of Newfoundland as a memorial to the fallen in the great wars, 1914-1918, 1939-1945, that in freedom of learning, their cause and sacrifice might not be forgotten.

- Dedication plaque, Arts & Administration Building, St. John's Campus

PROJECT NAME:  
**ACADEMIC TUNNELS  
 RE-WATERPROOFING (PATON  
 COLLEGE TUNNELS) CP-2**  
 Project #: TA-511-25

DRAWING TITLE:  
**PATON COLLEGE TUNNELS  
 DEMOLITION SITE PLANS**

DESIGNED: S.C	DRAWN: S.C
REVIEWED: J.A	APPROVED: E.H
SCALE: AS SHOWN	DATE: APRIL, 2026
PROJECT No. TA-511-25	DRAWING No. C-1.1

PATON COLLEGE TUNNELS DEMOLITION PLAN  
 SCALE: 1:250

1  
C-1.1

## PART 1 - ADDENDUM

### 1.1 TITLE

- .1 This Addendum shall be known as:

Addendum 2  
TFM-028-26 – TA-511-25 ACADEMIC TUNNELS RE-WATERPROOFING CP-2 (Paton College Tunnels)

- .2 The Date of the Addendum is Wednesday, April 22, 2026

### 1.2 PRECEDENCE

- .1 This amendment to the bid documents is effective immediately.
- .2 This Addendum shall form an integral part of the original bid documents and is to be read in conjunction therewith.
- .3 The Addendum shall take precedence over previously issued bid documents with which it may prove to be at variance.

### 1.3 GENERAL

- .1 The General Conditions shall govern all phases of the Work covered by this Addendum.
- .2 Acknowledge receipt of this addendum in the Tender and Acceptance form.

### 1.4 PURPOSE

- .1 The purpose of the Addendum is to inform bidders of the changes, deletions and additions to be added to the bid documents.

### 1.5 CHANGES TO DRAWINGS

- 1.

### 1.6 CHANGES TO SPECIFICATION

- .1 Modification of Section 07 13 52 2.5.1.1.1 (Insulation, Extruded Polystyrene Insulation (XPS))  
Type of insulation to be Type 4. Basis of Design Sopra XPS 30.  
Or approved alternates.

## 1.7 QUESTIONS AND RESPONSES

1. **Question:** Drawing C-1.1 shows the watermain presumably on top of or inside the existing tunnel. Can more information be provided on the location of the watermain relative to the tunnel? Is the contractor expected to remove and replace this watermain in the process of completing the waterproofing? If so, is temporary water required?

**Answer:** The watermains will have depths provided once a ground scan is completed as per the dig permit. The contractor can assume that the water mains go under the tunnels in the majority of instances. The water main travels within the tunnel adjacent to Hatcher, Blackall, and Barnes. In this area, the water main penetrates the tunnel wall east of Barnes House.

2. Per specification section 01 10 00, 1.5.1.2 "Excavation of the tunnels adjacent to Doyle House, Blackall House, Hatcher House, and Barnes House will require de-energization of these buildings. A conference is planned June 20th – July 15th, which will require these buildings to have normal building services. Excavation of infrastructure that will affect the use of these buildings cannot occur during these dates. During this time, work can continue in other areas of the project's scope that do not affect these buildings." Please provide below information:

A:**Question:** Is this infrastructure owned by NF Power or the University? Who is responsible for completing de-energization?

**Answer:** Infrastructure in the above-noted area is owned by MUN, and de-energization would be done by MUN staff. Please refer to drawing C-1.1 for the location of NF Power infrastructure.

B:**Question:** Is the intent to deenergize the work area during working hours, or at all times with the exception of the June 20-July 15 window?

**Answer:** Whatever is required for the work to be completed, with the exception of the June 20<sup>th</sup> -July 15<sup>th</sup> window. During the June 20<sup>th</sup> - July 15<sup>th</sup> window, work can be focused in other areas that have less complexity during that time.

3. **Question:** Drawing C1.1 shows what I assume is the below retaining wall near the South Campus boiler room as "existing retaining wall to remain". If this wall is required to be undermined for completion of the waterproofing, what are the work results expected for replacement? It seems unlikely that the wall will be able to be undermined and shored without removal and replacement of the wall.

**Answer:** The existing utility tunnel is lying on top of the academic tunnel nearest the retaining wall as per the construction drawings. This will create around a 3-meter buffer behind the retaining wall that will not be excavated. The contractor is to assume that the wall will not be undermined.

4. **Question:** Can you please provide clarification on the minimum psi required for the XPS Insulation?

**Answer:** Please refer to 1.6.1 (Changes to Specification) within this addendum.

5. **Question:** Under Appendix D, the roofing & waterproofing is indicated to be completed by an approved subcontractor. Can clarification be provided on the requirements to be considered qualified to install the waterproofing system?

**Answer:** Contractor must provide minimum of 3 references for previous projects of similar size and construction. References to be submitted with Tender and Acceptance form using the provided appendix.

Membrane applicators must provide minimum 5 years proven experience. Proof of qualifications to be submitted and approved prior to commencing any site work as per Section 01 33 00, Submittal Procedures.

6. **Question:** Details 3/C-2.0 and 5/C-2.0 show that 2.0% tapered insulation should be installed at the roof/wall intersections and at the control/cold joints. However, the extents of where tapered insulation is required is unclear. Would it be possible to issue a revised drawing or other means of clarification to indicate the tapered insulation areas?

**Answer:** The note in question was removed in Addendum #1

7. **Question:** Approved alternates:  
Section: 07 13 52 2.6 Part: Moulded-Sheet Drainage Panels  
Specified Product: Three-dimensional polymeric core drain board 10 mm thick, with a non woven geotextile fabric fully bonded to top dimples of board  
  
Proposed Product: MiraDRAIN 6000.

**Answer:** MiraDRAIN 6000 is acceptable

8. **Question:** Please confirm that all existing storm and sanitary piping that is shown intersecting the tunnel is passing under the tunnel and not over top of the tunnel.

**Answer:** The depths are not known. The contractor is to use their best judgment based on the information provided.

The tunnel ceiling and surface elevation are noted on the drawings. During a recent site visit, it was noted that the inverts of the piping within the manholes observed were consistent with the assumption that the majority of the infrastructure is below the tunnel, though this has not been confirmed for all tunnel crossings. Contractor is expected to follow standard excavation practices when digging in areas with infrastructure of unknown depth.

An exception to this is the electrical and communications infrastructure. In most instances, duct banks cross over the tunnel.

9. **Question:** For the existing U/G utilities tunnel above the academic tunnel, is this utilities tunnel rested upon the tunnel to be rewaterproofed, or does the utility tunnel need to be

supported during construction? If the utility tunnel is resting upon the tunnel to be rewaterproofed, how does this change the waterproofing detail?

**Answer:** The contractor is not expected to waterproof the full utility tunnel. The contractor is expected to tie the waterproofing system into the wall of the utility tunnel. Please refer to Detail 1 and Drawing C-2.1 for an illustration of the system tie-in.

10. **Question:** Please confirm if hazardous materials are expected in the existing membrane system to be removed. Please qualify the hazardous material type if present.

**Answer:** Based on past tunnel waterproofing efforts, we do not anticipate the existing system to be ACM.

11. **Question:** Please advise if there are any areas of equipment weight restriction when travelling over the top of the existing tunnels.

**Answer:** Tunnel load capacity is unknown in some areas. As general guidance, no heavy equipment is to travel on top of the tunnel.

**END OF ADDENDUM**

## PART 1 - ADDENDUM

### 1.1 TITLE

- .1 This Addendum shall be known as:

Addendum 1  
TFM-028-26 – ACADEMIC TUNNELS RE-WATERPROOFING CP-2 (PATON  
COLLEGE TUNNELS)

- .2 The Date of the Addendum is Friday, April 10, 2026

### 1.2 PRECEDENCE

- .1 This amendment to the bid documents is effective immediately.
- .2 This Addendum shall form an integral part of the original bid documents and is to be read in conjunction therewith.
- .3 The Addendum shall take precedence over previously issued bid documents with which it may prove to be at variance.

### 1.3 GENERAL

- .1 The General Conditions shall govern all phases of the Work covered by this Addendum.
- .2 Acknowledge receipt of this addendum in the Tender and Acceptance form.

### 1.4 PURPOSE

- .1 The purpose of the Addendum is to inform bidders of the changes, deletions and additions to be added to the bid documents.

### 1.5 CHANGES TO DRAWINGS

- .1 Full Drawing Package Re-Issued
- .1 General formatting to add clarity to plans and details.
- .2 New details added, these are reflected on C-2.1.

### 1.6 CHANGES TO SPECIFICATION

- .1 1.7.3 – Concurrent Work

Concurrent Work: Owner has awarded / will award separate contract(s) for the following construction operations at Project site. Those operations will be conducted simultaneously with work under this Contract.

- .1 Academic Tunnel Re-Waterproofing-CP-1
- .2 Memorial University Annual Grounds Package

The Contractor acknowledges and agrees that it may be awarded or be performing other contracts for the University concurrently with the Work. The Contractor shall not rely on the existence of any such concurrent work as justification for failure to meet the requirements of this Contract. The Contractor shall provide and maintain all required labour, supervision, equipment, and resources necessary to perform the Work in full compliance with the Contract Documents, schedule, and quality standards, independent of any other contractual obligations to the University.

- 1.7 QUESTIONS AND RESPONSES
  - .1 N/A

**END OF ADDENDUM**

**Memorial University of Newfoundland**  
**ACADEMIC TUNNELS RE-WATERPROOFING**  
**CP-2 (PATON COLLEGE TUNNELS)**  
**TA-511-25**  
**ST. JOHN'S CAMPUS**  
**APRIL 2, 2026**  
**ISSUED FOR TENDER**

LIST OF DRAWINGS

- C-1.0 - LOCATION PLAN
- C-1.1 - PATON COLLEGE TUNNELS DEMOLITION PLAN
- C-1.2 - PATON COLLEGE TUNNELS NEW SITE PLANS
- C-2.0 - SECTIONS AND DETAILS
- C-2.1 - SECTIONS AND DETAILS
- C-2.2 - SECTIONS AND DETAILS

TA-511-25 CP-2 ISSUED FOR TENDER

*This University was raised by the people of Newfoundland as a memorial to the fallen in the great wars, 1914-1918, 1939-1945, that in freedom of learning, their cause and sacrifice might not be forgotten.*

*- Dedication plaque, Arts & Administration Building, St. John's Campus*



**FACILITIES  
MANAGEMENT**

CONSTRUCTION NOTES (APPLIES TO ALL DRAWINGS)

1. ALL WORK TO BE PERFORMED TO IN ACCORDANCE WITH MEMORANDUM ST. JOHN'S CONSTRUCTION SPECIFICATIONS, AND CITY OF ST. JOHN'S CONSTRUCTION SPECIFICATIONS.
2. COORDINATE ALL DEMOLITION WITH OWNER'S REPRESENTATIVE PRIOR TO START OF CONSTRUCTION.
3. ALL EXISTING CONCRETE AND ASPHALT TO BE SAW CUT AT LIMITS OF CONSTRUCTION PRIOR TO DEMOLITION AND REINSTATEMENT.
4. EXCAVATE AS REQUIRED TO ACCOMMODATE CONSTRUCTION OF NEW CURB, GUTTER, SIDEWALK, ROADWAY, ETC. AS PER DETAILS.
5. ALL CONCRETE CURB, GUTTER, AND SIDEWALK TO BE CLASS C-2 EXPOSURE WITH MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 32 MPa.
6. ALL CONCRETE WALKWAYS TO BE A 150 mm IN THICKNESS.
7. INSTALL EXPANSION JOINTS ALONG LENGTH ADJACENT TO WALKWAYS.
8. ALL MANHOLES TO BE SET 5 mm BELOW CONCRETE OR FINISHED ASPHALT GRADES.
9. ALL CATCH BASINS TO BE SET 30 mm BELOW FINISHED ASPHALT GRADES.
10. NEW LINE PAINTING TO BE COMPLETED AS SHOWN, REINSTATE ALL EXISTING LINE PAINTING AFFECTED BY CONSTRUCTION.
11. CONTRACTOR TO REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION ACTIVITIES AT NO COST TO OWNER.
12. INSTALL EXPANSION JOINT AT INTERVALS OF 6 METERS IN NEW CONCRETE SIDEWALKS/WALKWAYS.
13. INSTALL CONCRETE SAW CUTS AT 2.1m MAX OR AS SHOWN ON DRAWINGS IN NEW CONCRETE SIDEWALKS/WALKWAYS.
14. REINSTATE LANDSCAPING ALONG EDGE OF NEW CONCRETE SIDEWALKS AND CURB. MIN 0.5m WIDTH.
15. ALL DEMOLISHED MATERIAL BECOMES THE PROPERTY OF THE CONTRACTOR. WORK SITE TO BE LEFT IN SAFE CONDITION AT THE END OF EACH WORK DAY.
16. CONTRACTORS SHALL AWAIT WRITTEN APPROVAL FOR ANY CHANGE ORDERS BY THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCING ANY WORK OR ORDER OF ANY MATERIALS RELATING TO A CHANGE.
17. PROVIDE CERTIFICATE OF GUARANTEE OF WORKMANSHIP AND MATERIAL FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE BY OWNER.
18. HATCHED AREAS INDICATE APPROXIMATE AREA FOR EXCAVATION. THE CONTRACTOR IS REQUIRED TO ENSURE THAT ADEQUATE MATERIAL IS EXCAVATED TO ACHIEVE A MAX OF 1:1 SLOPING TO THE REQUIRED DEPTHS.
19. ALL CATCH BASINS, MANHOLES AND GRADE ADJUSTMENT STRUCTURES IN EXTENTS OF EXCAVATION TO BE REPLACED. (SEE DETAILS 8/C-2.1 AND 9/C-2.1)
20. CONTRACTOR IS TO HOARD WORK AS NECESSARY AND PROTECT REMAINING PREMISES IN THE WORK AREA AND ADJACENT AREAS DURING THE WORK. CONTRACTOR SHALL MAKE GOOD ANY DAMAGES THAT MAY OCCUR TO ORIGINAL CONDITIONS OR BETTER.
21. ALL DISTURBED AREAS BEYOND LIMITS OF WORK TO BE RESTORED TO ORIGINAL CONDITIONS OR BETTER.
22. ALL EXISTING TREES LOCATED IN THE AREAS OF REMOVAL ARE TO BE REMOVED (TYPICAL).

LEGEND

- REMOVAL
- NEW LANDSCAPING
- NEW ASPHALT
- NEW CONCRETE
- NEW TOPSOIL
- FENCE LINE
- WATER MAIN LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- EL - UNDERGROUND ELECTRICAL CONDUIT
- EP - UNDERGROUND HIGHVOLTAGE DUCT BANK
- GRADE DIRECTION
- LIGHT STANDARD
- MANHOLE
- VALVE
- CATCH BASIN
- FIRE HYDRANT
- TRANSFORMER



LOCATION PLAN  
SCALE: N.T.S.

No.	REVISION	DATE
R2	ISSUED FOR ADDENDUM#1	APR 2026
R1	ISSUED FOR TENDER	APR 2026
RO	ISSUED FOR REVIEW	MAR 2026

- GENERAL NOTES**
1. DRAWINGS TO BE READ AS A SET.
  2. DO NOT SCALE FROM DRAWINGS.
  3. THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO SUBMISSION OF TENDERS.
  4. ALL DEFICIENCIES FOUND IN THIS DRAWING IS TO BE BROUGHT TO THE ATTENTION OF THE FACILITIES ENGINEERING AND DEVELOPMENT OFFICE OF THE UNIVERSITY OF NEWFOUNDLAND PRIOR TO THE SUBMISSION OF THE TENDERS.

This University was created by the people of Newfoundland as a memorial to the fallen in the great war, 1914-1918. 1929-1945. Made in freedom of thought, free cause and sacrifice might and the progress.

- President Joseph, Arts & Administration Building, St. John's Campus

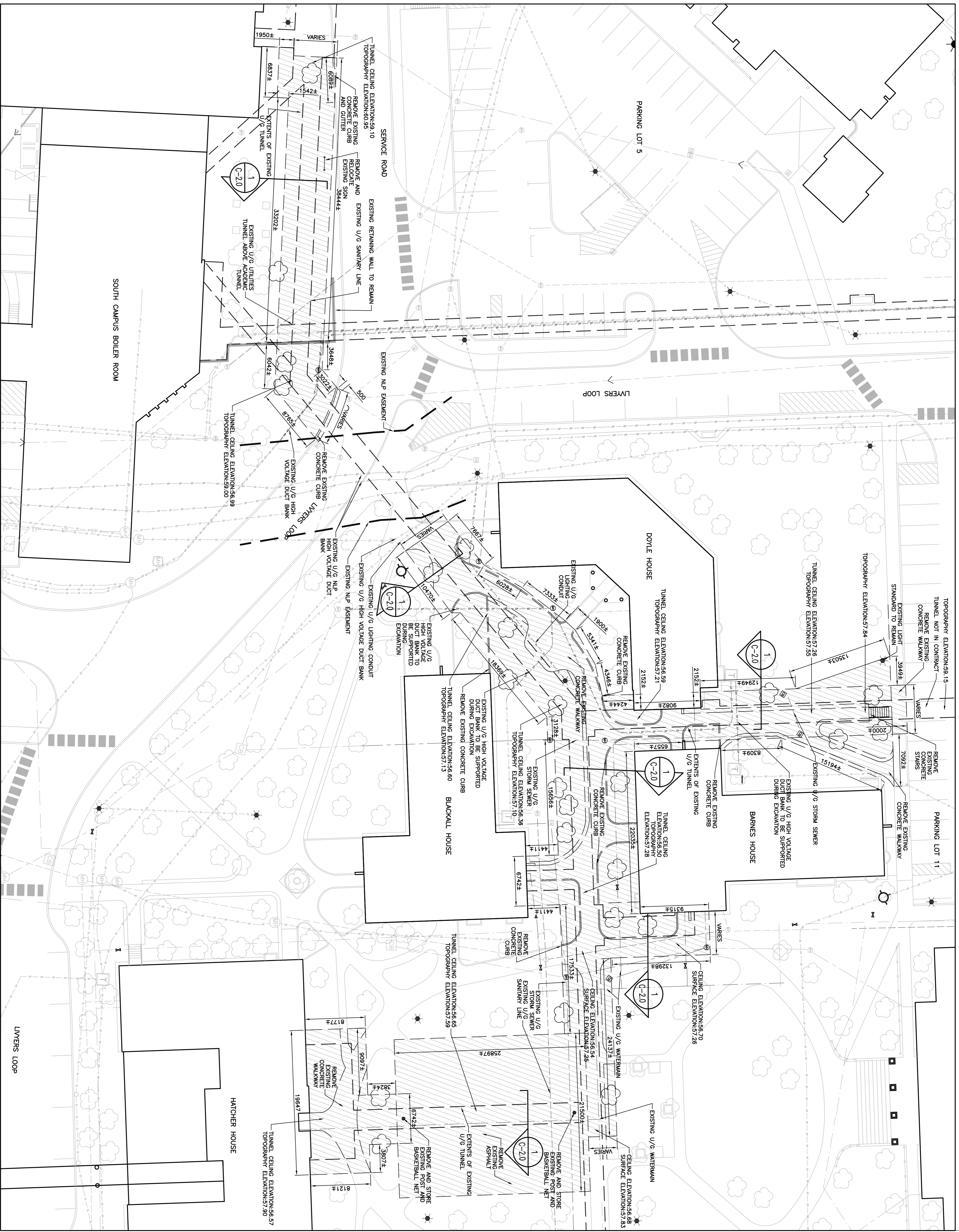
**FACILITIES MANAGEMENT**

PROJECT NAME:  
ACADEMIC TUNNELS  
RE-WATERPROOFING - CP-2  
(PATON COLLEGE TUNNELS)  
Project #: TA-511-25

DRAWING TITLE:  
LOCATION PLAN

DESIGNER: S.C	DRAWN: S.C
REVIEWED: J.A	APPROVED: E.H
SCALE: AS SHOWN	DATE: APRIL, 2026
PROJECT No. TA-511-25	DRAWING No. C-1.0

1  
C-1.0

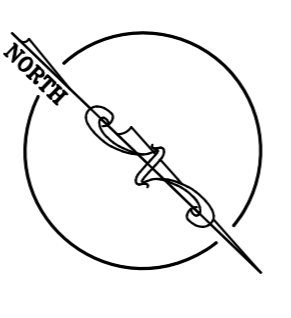
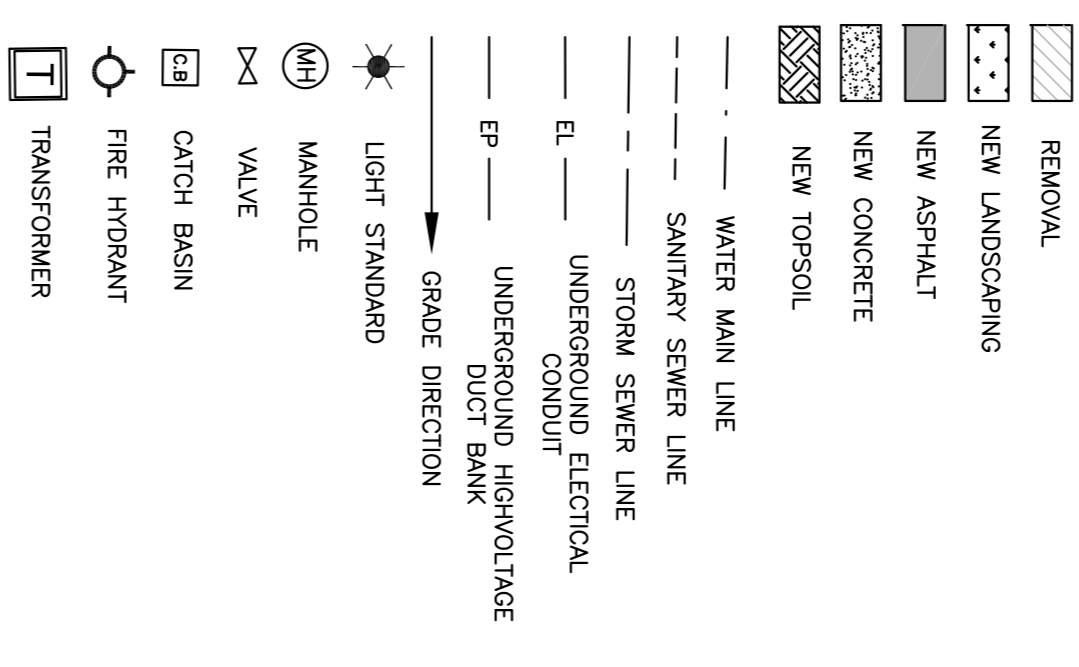


A - DETAIL  
 B - LOCATION/DRAWING No.  
 C - DRAWING No.

No.	REVISION	DATE
R2	ISSUED FOR ADDENDUM#1	APR 2026
R1	ISSUED FOR TENDER	APR 2026
R0	ISSUED FOR REVIEW	MAR 2026

**GENERAL NOTES**

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This University was created by the people of Newfoundland as a memorial to the fallen in the great war, 1914-1918. 1926-1946. Built in honour of learning.  
 The name and motto remain the same.

- Demolition Action, Arts & Administration Building, St. John's Campus  
**FACILITIES MANAGEMENT**  
 UNIVERSITY OF NEWFOUNDLAND

**PROJECT NAME:**  
 ACADEMIC TUNNELS  
 RE-WATERPROOFING (PATON  
 COLLEGE TUNNELS) CP-2  
 Project #: TA-511-25

**DRAWING TITLE:**  
 PATON COLLEGE TUNNELS  
 DEMOLITION SITE PLANS

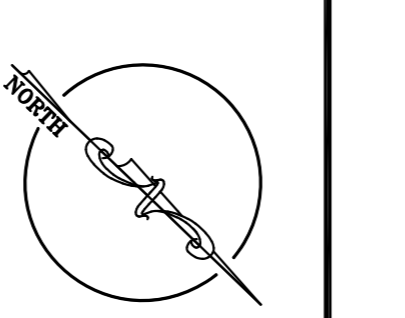
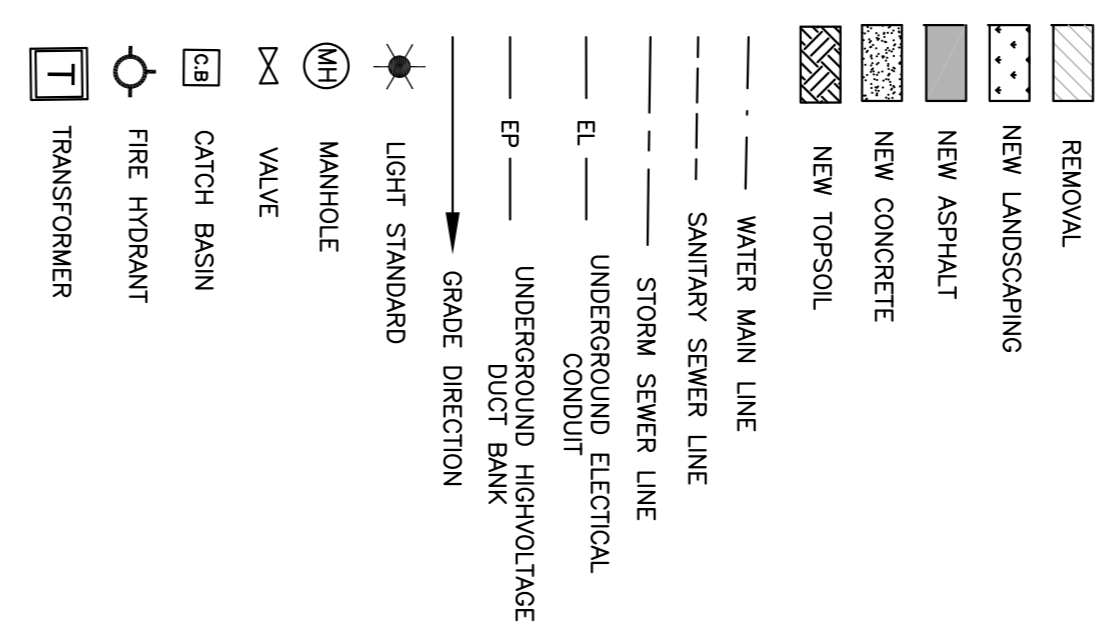
DESIGNED:	S.C	DRAWN:	S.C
REVIEWED:	J.A	APPROVED:	E.H
SCALE:	AS SHOWN	DATE:	APRIL, 2026
PROJECT No.	TA-511-25	DRAWING No.	C-1.1

A - DETAIL  
 B - LOCATION/DRAWING No.  
 C - DRAWING No.

No.	REVISION	DATE
R2	ISSUED FOR ADDENDUM#1	APR 2026
R1	ISSUED FOR TENDER	APR 2026
R0	ISSUED FOR REVIEW	MAR 2026

**GENERAL NOTES**

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**FACILITIES MANAGEMENT**  
 UNIVERSITY

This University was created by the people of Newfoundland as a memorial to the fallen in the great war, 1914-1918. 1928-1946. Built in freedom of learning.

- Deception Point, Arts & Administration Building, St. John's Campus

PROJECT NAME:  
**ACADEMIC TUNNELS  
 RE-WATERPROOFING (PATON  
 COLLEGE TUNNELS) CP-2**  
 Project #: TA-511-25

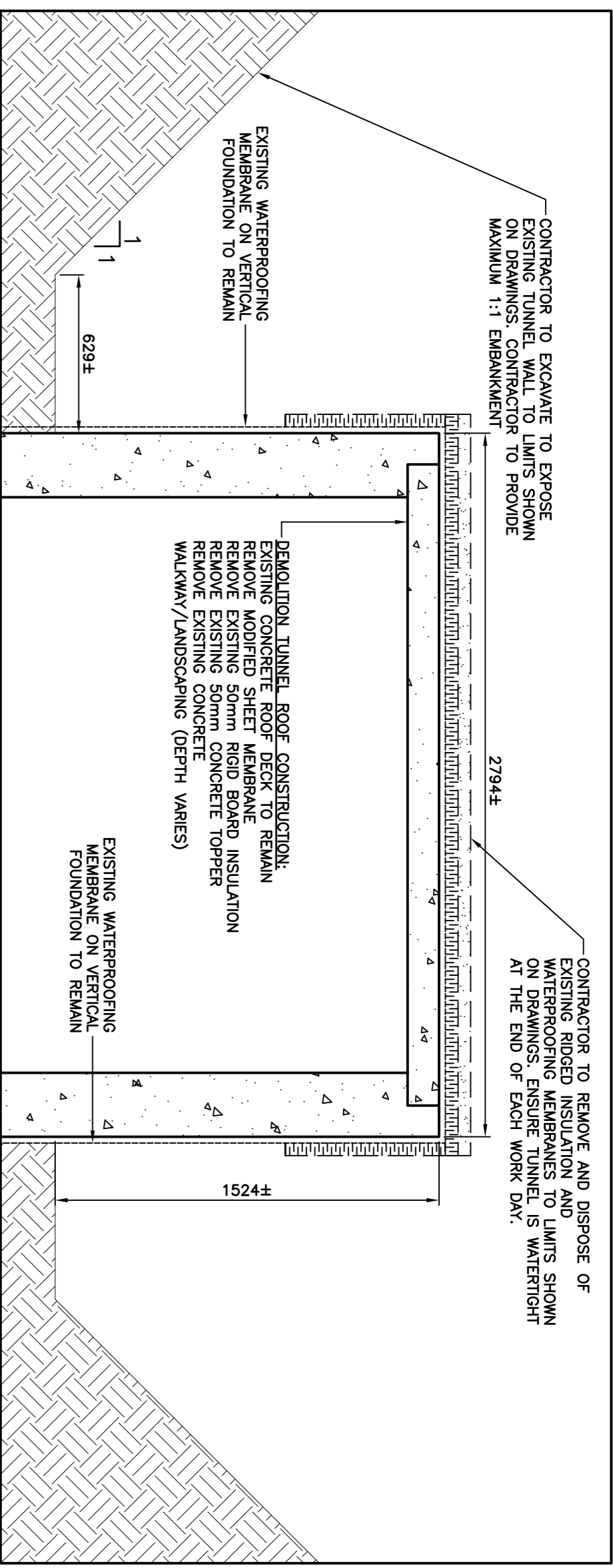
DRAWING TITLE:  
**PATON COLLEGE TUNNELS  
 NEW SITE PLANS**

DESIGNED:	S.C	DRAWN:	S.C
REVIEWED:	J.A	APPROVED:	E.H
SCALE:	AS SHOWN	DATE:	APRIL, 2026
PROJECT No.	TA-511-25	DRAWING No.	C-1.2

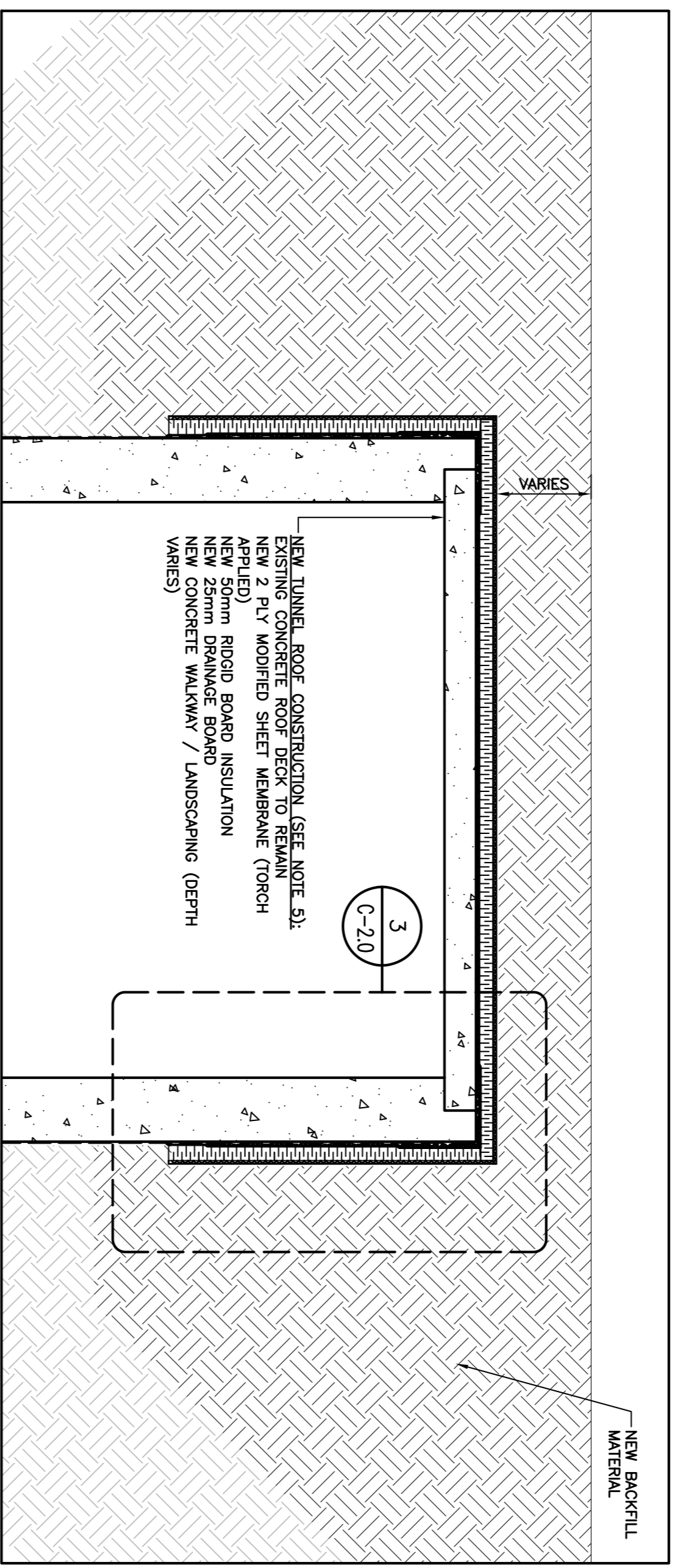


PATON COLLEGE TUNNELS NEW SITE PLAN  
 SCALE: 1:250

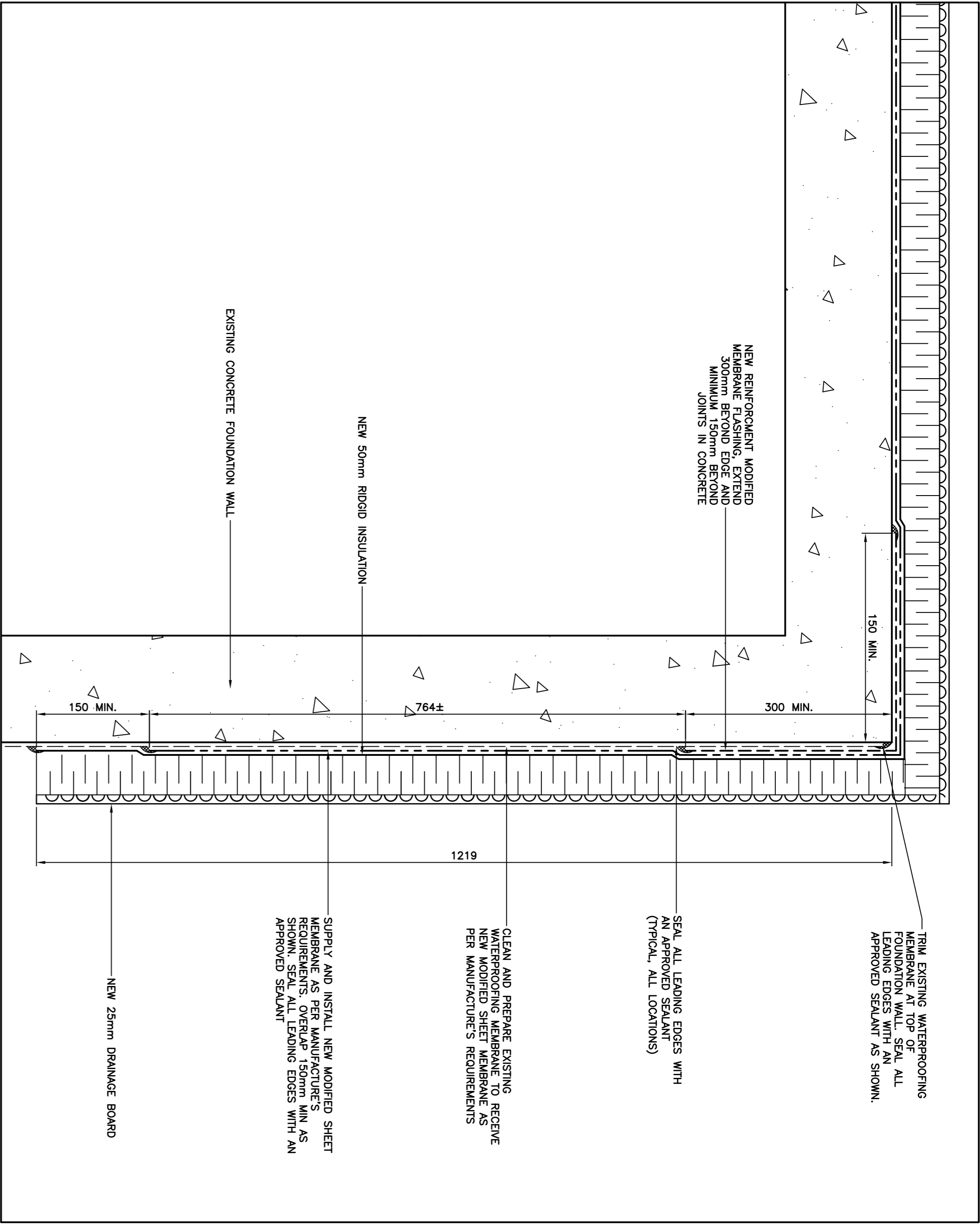
1  
 C-1.2



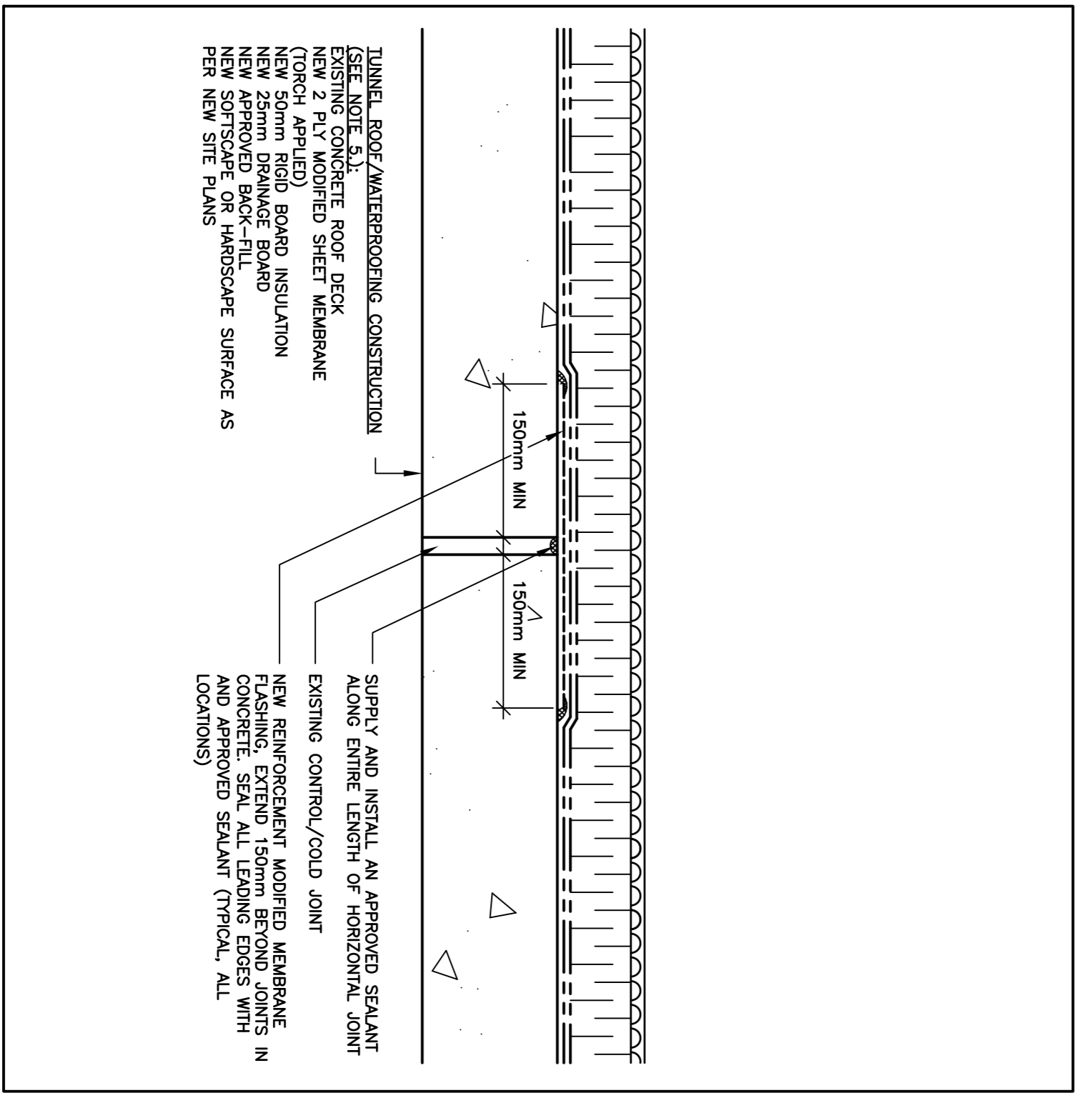
EXISTING TUNNEL SECTION  
SCALE: 1:20



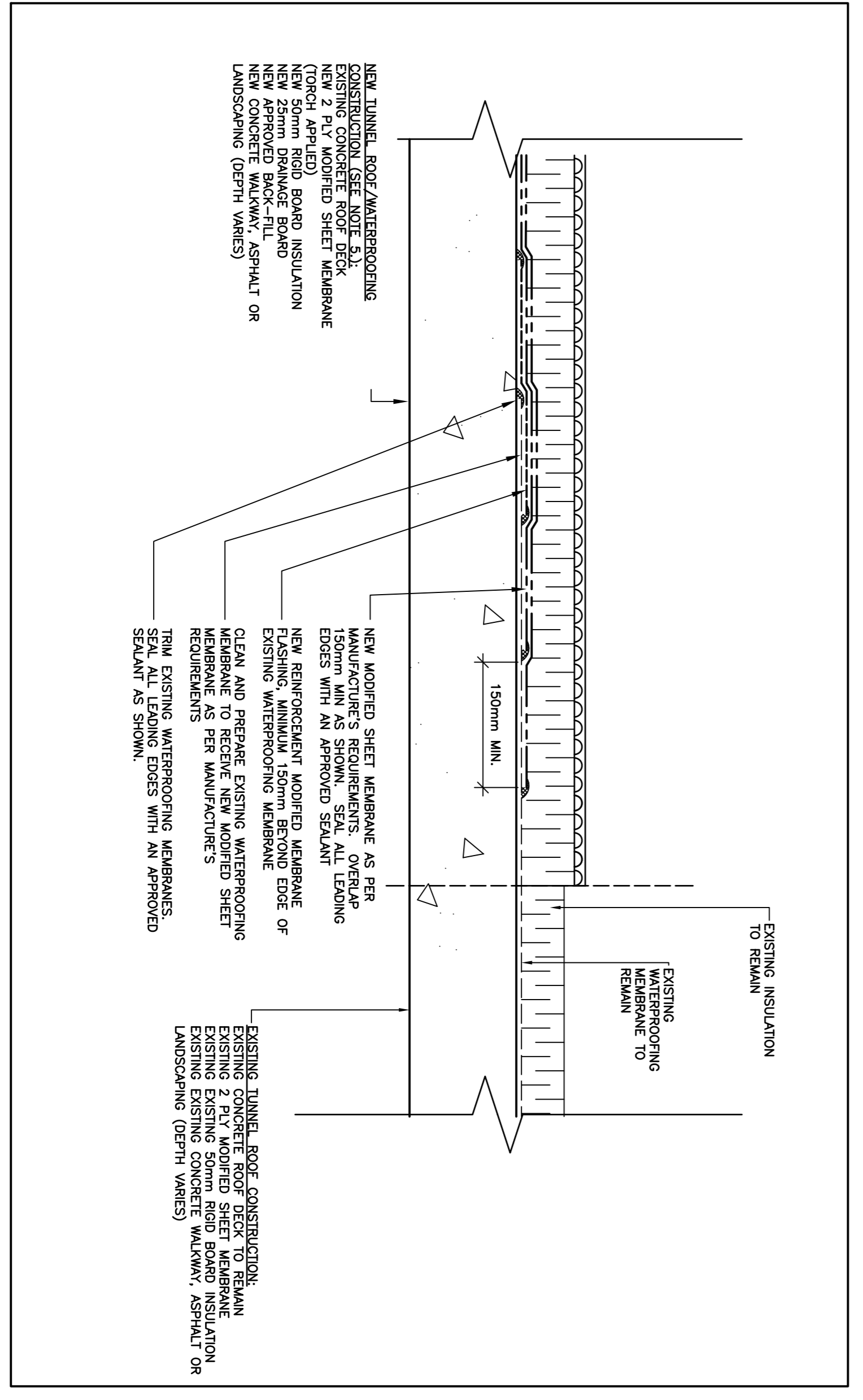
NEW TUNNEL SECTION  
SCALE: 1:20



NEW WATERPROOFING MEMBRANE: TYPICAL ROOF/WALL DETAIL  
SCALE: 1:5



CONTROL/COLD JOINT DETAIL  
SCALE: 1:5

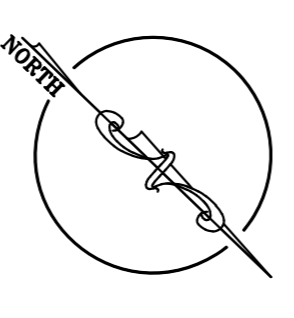


NEW TO EXISTING WATERPROOFING MEMBRANE DETAIL  
SCALE: 1:5

A - DETAIL		A	
B - LOCATION/DRAWING No.		B/C	
C - DRAWING No.			
No.	REVISION	DATE	
R1	ISSUED FOR ADDENDUM#1	APR. 2026	
R1	ISSUED FOR TENDER	APR. 2026	
RO	ISSUED FOR REVIEW	MAR. 2026	

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- DO NOT SCALE FROM DRAWINGS.
- THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO SUBMISSION OF TENDERS.
- ALL DEFICIENCIES FOUND IN THIS DRAWING IS TO BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR'S SUPERVISOR AND THE FACILITIES MANAGEMENT MEMORIAL UNIVERSITY OF NEWFOUNDLAND, PRIOR TO THE SUBMISSION OF THE TENDERS.
- TUNNEL WATERPROOFING MEMBRANE SYSTEM SHALL BE COLLECTIVE FLAM 180 OR APPROVED ALTERNATE. THE CONTRACTOR SHALL SUBMIT THE SPECIFICATIONS. CONTRACTOR SHALL PROCEED AS FOLLOWS:
  - REMOVE EXISTING EXPOSED TUNNEL MEMBRANE ON TUNNEL WALL.
  - POWER WASH TUNNEL CONCRETE WITH A MINIMUM PRESSURE OF 5000 PSI TO REMOVE ALL DUST, GRIME, GREASE AND DEBRIS.
  - ALLOW TUNNEL CONCRETE TO DRY COMPLETELY FOR 24 HOURS.
  - INSTALL TUNNEL SURFACE AND ALLOW TO DRY.
  - INSTALL FIRST LAYER OF COLPHENE FLAM 180. LONGITUDINAL OVERLAPS SHALL BE MINIMUM 100mm. MEMBRANE SHALL LAP TUNNEL WALLS BY MINIMUM 200mm. WALL LAP SHALL BE SECURED TO ALL TUNNEL WALLS BY INSTALLING 2 PLY MODIFIED SHEET MEMBRANE 180 AS ABOVE BUT ORIENTED AT 90 DEGREES TO THE FIRST LAYER.
  - REPAIR ANY TEARS AND HOLES USING COLPHENE FLAM 180 PATCHES SIZED 100mm LARGER ALL AROUND THE HOLES.
  - INSTALL DELTA-DRAIN 6000 H-X DRAINAGE BOARD OR APPROVED ALTERNATE OVER MODIFIED SHEET MEMBRANE.

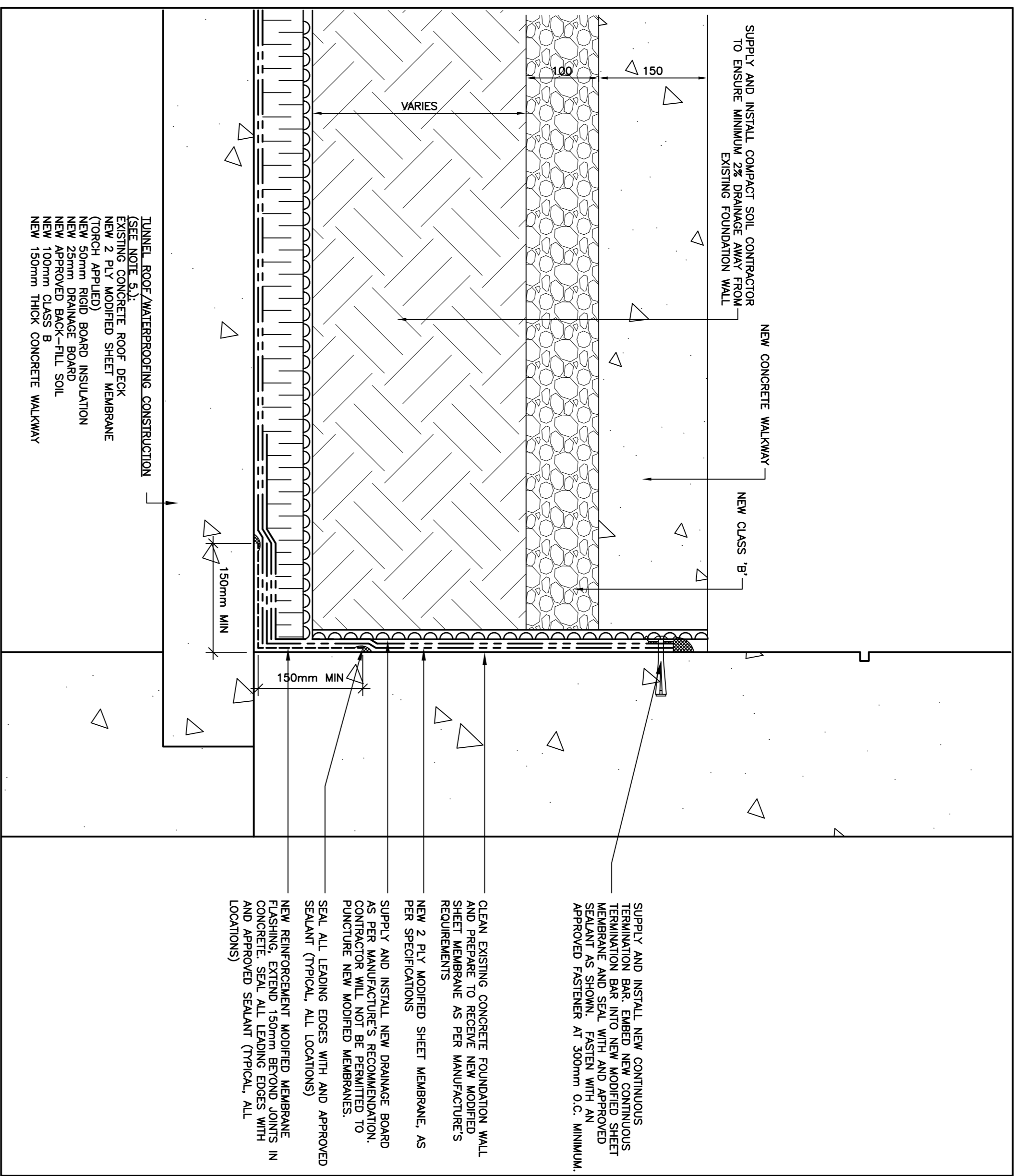


PROJECT NAME:  
ACADEMIC TUNNELS  
RE-WATERPROOFING - CP-2  
(PATON COLLEGE TUNNELS)  
Project #: TA-511-25

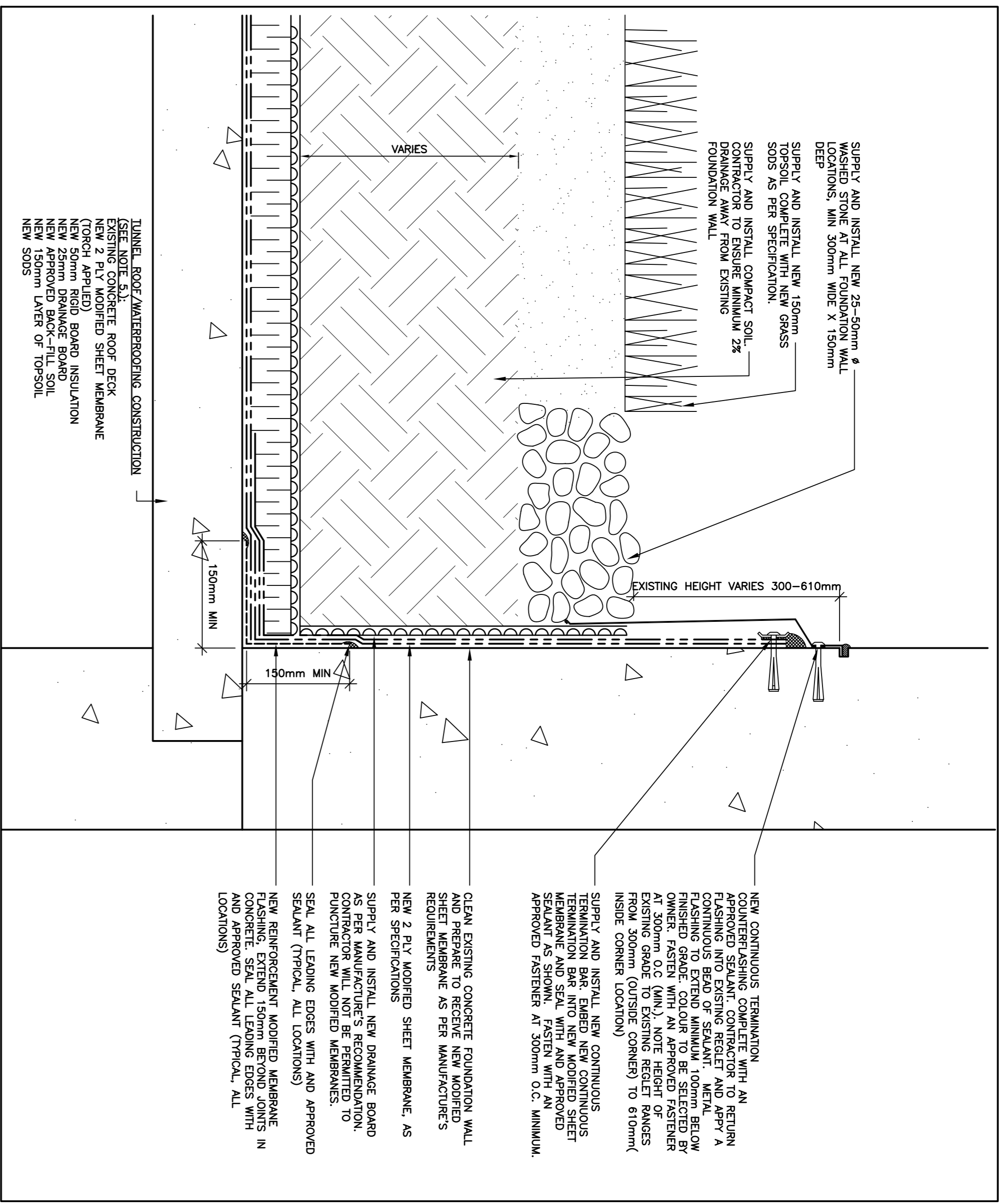
SECTIONS AND DETAILS

DESIGNED:	S.C	DRAWN:	S.C
REVIEWED:	J.A	APPROVED:	E.H
SCALE:	AS SHOWN	DATE:	APRIL, 2026
PROJECT No.	TA-511-25	DRAWING No.	C-2.0

PROJECT No. TA-511-25  
DRAWING No. C-2.0



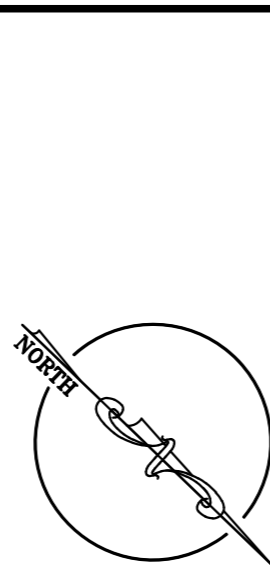
NEW WATERPROOFING MEMBRANE: TYPICAL ROOF/WALL AT ENTRANCE DETAIL  
SCALE: 1:5



NEW WATERPROOFING MEMBRANE: TYPICAL ROOF/WALL DETAIL  
SCALE: 1:5

A	A - DETAIL	A
B	B - LOCATION/DRAWING No.	B
C	C - DRAWING No.	C
No.	REVISION	DATE
RO	ISSUED FOR ADDENDUM#1	APR, 2026

- GENERAL NOTES**
- DRAWINGS TO BE READ AS A SET.
  - DO NOT SCALE FROM DRAWINGS.
  - THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO SUBMISSION OF TENDERS.
  - ALL DEFICIENCIES FOUND IN THIS DRAWING IS TO BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR'S SUPERVISOR AND THE FACILITIES MANAGEMENT DEPARTMENT OF NEWFOUNDLAND, PRIOR TO THE SUBMISSION OF THE TENDERS.
  - TUNNEL WATERPROOFING MEMBRANE SYSTEM SHALL BE COLUPHENE FLAM 180 OR APPROVED ALTERNATE.
    - a) REMOVE EXISTING EXPOSED TUNNEL MEMBRANE ON POWER WASH TUNNEL CONCRETE WITH A MINIMUM PRESSURE OF 5000 PSI TO REMOVE ALL DUST, GRIME, GREASE AND DEBRIS.
    - b) ALLOW TUNNEL CONCRETE TO DRY COMPLETELY FOR 24 HOURS.
    - c) IN ELASTOMER SURFACE AND ALLOW TO DRY.
    - d) INSTALL FIRST LAYER OF COLUPHENE FLAM 180. MEMBRANE SHALL BE SECURED TO TUNNEL WALL WITH MINIMUM 200mm LAP SHALL BE SECURED TO TUNNEL WALL WITH MINIMUM 100mm OVERLAP.
    - e) INSTALL SECOND LAYER OF COLUPHENE FLAM 180 AS ABOVE BUT ORIENTED AT 90 DEGREES TO THE FIRST LAYER.
    - f) REPAIR ANY TEARS AND HOLES USING COLUPHENE FLAM 180 PATCHES SIZED 100mm LARGER ALL AROUND THE HOLES.
    - g) APPROVED ALTERNATE OVER MODIFIED SHEET MEMBRANE.




  
**FACILITIES MANAGEMENT**

This University was created by the people of Newfoundland as a memorial to the fallen in the great war, 1914-1918. 1929-1946. Read the history of Memorial University on our website: [www.mun.ca](http://www.mun.ca)

-Dorchester Station, Arts & Administration Building, St. John's Campus

PROJECT NAME:  
**ACADEMIC TUNNELS  
 RE-WATERPROOFING (PATON  
 COLLEGE TUNNELS) CP-2**  
 Project #: TA-511-25

DRAWING TITLE:  
**SECTIONS AND DETAILS**

DESIGNED:	S.C	DRAWN:	S.C
REVIEWED:	J.A	APPROVED:	E.H
SCALE:	AS SHOWN	DATE:	APRIL, 2026
PROJECT No.	TA-511-25	DRAWING No.	C-2.1

