

# CITY OF COQUITLAM BR190 CPR OVERPASS AT LOUGHEED HIGHWAY STRUCTURAL REHABILITATION

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PLOT DATE: 2025-05-29 11:10:28 AM  
SAVE DATE: 2025-05-29 11:08:09 AM SAVED BY: MOROJ  
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CITY OF COQUITLAM  
  
BR190 CPR OVERPASS  
AT LOUGHEED HIGHWAY  
STRUCTURAL REHABILITATION  
2025-2205-02

0	2025MAY29	M. FENTON	J. MORO	ISSUED FOR TENDER
REV	DATE	DESIGN	DRAWN	DESCRIPTION
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PLOT DATE: 2025-05-29 11:10:32 AM  
SAVE DATE: 2025-05-29 11:08:18 AM  
DWG PATH: G:\2025-2205-02\Structural\2205-02-S-101.dwg  
SAVED BY: MORQUJ

IF NOT 50 mm ADJUST SCALES  
50 mm

SCALE(S) SHOWN ARE INTENDED FOR ANSI D (22X34) SIZE DRAWINGS, TABLOID (11X17) SIZE DRAWINGS ARE 1/2 OF SCALE(S) SHOWN UNLESS NOTED OTHERWISE

GENERAL NOTES:

GENERAL:

- SPECIFICATIONS PROVIDED ARE MINIMUM REQUIREMENTS, U.N.O.
- THE LATEST EDITION OF STANDARDS AND CODES REFERENCED IN THESE NOTES SHALL APPLY.
- ALL DIMENSIONS ARE IN MILLIMETERS, U.N.O.
- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE CONTRACT DOCUMENTS AND PROJECT SPECIFICATIONS.
- DESIGN IN ACCORDANCE WITH THE CSA-S6-19 CANADIAN HIGHWAY BRIDGE DESIGN CODE (CHBDC).
- ANY CHANGES TO THE DESIGN DURING FABRICATION AND CONSTRUCTION SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE CONTRACT ADMINISTRATOR.
- WHERE "EQUIVALENT" PRODUCTS ARE PROPOSED TO THOSE SPECIFIED, THEIR EQUIVALENCE SHALL BE DETERMINED SOLELY BY THE CONTRACT ADMINISTRATOR.

EXISTING STRUCTURE:

- ELEVATIONS AND DIMENSIONS SHOWN FOR THE EXISTING CONDITIONS AND COMPONENTS HAVE BEEN TAKEN FROM THE ORIGINAL BRIDGE DESIGN DRAWINGS WITHOUT FIELD VERIFICATION. THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR DETERMINING RELEVANT EXISTING ELEVATIONS AND DIMENSIONS IN THE FIELD PRIOR TO ORDERING AFFECTED MATERIALS, PRODUCING SHOP OR TEMPORARY WORK DRAWINGS, OR FABRICATING AFFECTED COMPONENTS. CONTRACTOR SHALL NOTIFY THE CONTRACT ADMINISTRATOR OF ANY DISCREPANCIES AND ADJUST AFFECTED COMPONENTS TO SUIT FIELD CONFIRMED DIMENSIONS.
- THE CONTRACTOR SHALL DOCUMENT THE EXISTING CONDITION OF THE BRIDGE USING PHOTOGRAPHS PRIOR TO START OF CONSTRUCTION AND PROVIDE COPIES OF DOCUMENTATION TO THE CITY AND THE CONTRACT ADMINISTRATOR.
- EXISTING UTILITIES SHALL NOT BE DAMAGED OR INTERRUPTED DURING CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF THE SITE TO PRECONSTRUCTION CONDITION FOLLOWING COMPLETION OF THE WORKS. THIS INCLUDES, BUT IS NOT LIMITED TO, REPAIRING DAMAGE TO THE STRUCTURE AND / OR SURROUNDING STRUCTURES CAUSED BY THE CONTRACTOR AND RESTORATION OF ANY AREAS DISTURBED DURING THE COMPLETION OF THE WORKS.

CONSTRUCTION AND TEMPORARY WORKS:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, CONSTRUCTION AND REMOVAL OF ALL TEMPORARY WORKS. TEMPORARY WORKS TO BE DESIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED WITH EGBC AND IN ACCORDANCE WITH WORKSAFE BC REQUIREMENTS.
- CONTRACTOR TO PROVIDE TEMPORARY SCREENS AND HOARDING TO PROTECT ADJACENT RAILWAY LINES AND VEHICLES BELOW BRIDGE FROM ALL CONSTRUCTION DEBRIS.
- THE CONTRACTOR SHALL PROTECT STRUCTURE FROM DAMAGE DURING CONSTRUCTION.
- CONSTRUCTION STAGES AND LOADS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERMITTING REQUIRED FOR CONSTRUCTION.

CONCRETE:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND QUALITY CONTROL OF ALL CONCRETE USED ON THIS PROJECT.
- ALL CONCRETE WORK, INCLUDING CONCRETE MATERIALS, TESTS AND PROCEDURES, SHALL CONFORM TO THE REQUIREMENTS OF CSA A23.1/A23.2-19 AND THE CONTRACT SPECIFICATIONS.
- CONTRACTOR SHALL SUPPLY ALL REPAIR PROCEDURES, MATERIAL DATA SHEETS AND MIX DESIGNS TO THE CONTRACT ADMINISTRATOR FOR ACCEPTANCE AT LEAST 2 WEEKS BEFORE COMMENCEMENT OF WORKS.
- ALL SURFACE FINISHES TO MATCH EXISTING ADJACENT CONCRETE SURFACES.
- ALL REPAIRS TO CONCRETE SURFACES, CRACKS, DELAMINATION AND SPALLED AREAS SHALL BE REPAIRED WITH SIKATOP 123 PLUS, TARGET SC100W, MIN COMPRESSIVE STRENGTH OF 35MPA AT 7 DAYS, OR APPROVED EQUAL, TO THE ACCEPTANCE OF THE CONTRACT ADMINISTRATOR.
- EXPOSED EDGES TO BE CHAMFERED 20 mm, U.N.O.
- ALL EXISTING CONCRETE SURFACES TO RECEIVE NEW CONCRETE SHALL BE PREPARED IN ACCORDANCE WITH CSA A23.1-19. CONTINUOUSLY ROUGHEN SURFACES TO 6 mm AMPLITUDE.
- ALL EXISTING CONCRETE SURFACES TO RECEIVE NEW CONCRETE OR GROUT SHALL BE POWER WASHED TO REMOVE ALL LOOSE MATERIAL, LAITANCE AND CORROSION PRODUCTS FROM THE REINFORCEMENT.
- SATURATE THE CONCRETE REPAIR SURFACE WITH CLEAN WATER. ENSURE THE SUBSTRATE IS SATURATED, SURFACE DRY (SSD) WITH NO STANDING WATER DURING APPLICATION WHEN POSSIBLE.
- CURING OF CONCRETE SHALL BE COMPLETED IN ACCORDANCE WITH PROJECT SPECIFICATIONS.

REINFORCING STEEL:

- REINFORCING STEEL BARS SHALL BE SUPPLIED AND INSTALLED TO CSA A23.1 AND THE REINFORCING STEEL MANUAL OF STANDARD PRACTICE BY THE REINFORCING STEEL INSTITUTE OF CANADA, U.N.O.
- ALL REINFORCING STEEL TO CONFORM TO CSA G30.18 GRADE 400W, U.N.O.
- COVER TO REINFORCEMENT TO MATCH EXISTING, U.N.O.
- FOR GALVANISED STEEL SAFEGUARD AGAINST EMBRITTLEMENT TO ASTM A143.
- WELDING OF REINFORCEMENT BARS IS NOT PERMITTED.

- SPLICE REINFORCING STEEL WHERE REQUIRED AS FOLLOWS:

BAR SIZE	SPLICE LENGTH
10M	420
15M	630
20M	840

- CHEMICALLY ANCHORED DOWELS SHALL BE INSTALLED IN HAMMER DRILLED HOLES USING CARBINE TIPPED BITS AND STANDARD HOLE CLEANING USING MULTIPLE BRUSHING OR AIR BLAST STEPS OR ANOTHER EQUIVALENT METHOD APPROVED BY THE CONTRACT ADMINISTRATOR AND MANUFACTURER.
- ADHESIVE FOR DOWELS TO BE HILTI HIT-HY 200 V3 EPOXY ADHESIVE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. INSTALLATION SHALL BE PERFORMED BY PERSONNEL TRAINED TO INSTALL THE SYSTEM.
- DOWELS SHALL HAVE MINIMUM EMBEDMENT AS FOLLOWS, U.N.O:

BAR SIZE	MINIMUM EMBEDMENT
10M	150
15M	200
20M	270

STEEL WORK:

- EXISTING STEEL COMPONENTS INDICATED FOR REPAIR ON THE DRAWINGS SHALL BE CLEANED AND FREE OF CORROSION AND OTHER FOREIGN MATERIALS AND COATED WITH TWO COATS OF ZINC RICH PRIMER PRIOR TO ANY REPAIRS TAKING PLACE.
- STEEL TO CONFORM TO CSA G40.20/G40.21
  - PLATES: GRADE 300W
  - SECTIONS: GRADE 300W
- ALL WELDS TO BE COMPLETED IN ACCORDANCE WITH CSA W59.
- MIN. 6 mm FILLET WELD, U.N.O.
- STEEL FABRICATOR TO BE CERTIFIED FOR DIVISION 3 IN ACCORDANCE WITH CSA 47.1.
- ALL STEEL WORK TO BE HOT DIP GALVANIZED TO ASTM A123M AND ASTM A385, MINIMUM 610 g/m² THICKNESS OF COATING, U.N.O.
- DAMAGE TO GALVANIZING AND FIELD WELDS TO BE TOUCHED UP WITH TWO COATS OF ZINC RICH PAINT.

REMOVAL AND DEMOLITION:

- THE CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY MEASURES REQUIRED TO REMOVE AND DISPOSE OF ALL MATERIALS IN ACCORDANCE WITH PROJECT SPECIFICATIONS AND SHOWN ON THE DRAWINGS, AS WELL AS PREVENT CONSTRUCTION DEBRIS OR OTHER DELETERIOUS MATERIAL FROM FALLING INTO THE ROADWAY. DO NOT REMOVE MORE CONCRETE THAN SHOWN ON THE REPAIRS WITHOUT THE APPROVAL OF THE CONTRACT ADMINISTRATOR.
- REMOVE CONCRETE USING MAX 7 kg CHIPPING HAMMERS UNLESS APPROVED BY THE CONTRACT ADMINISTRATOR.
- ALL EXISTING REINFORCING BARS TO REMAIN U.N.O. DO NOT DAMAGE EXISTING REINFORCEMENT. ANY DAMAGED REINFORCEMENT TO REINSTATED OR REPLACED AS DIRECTED BY THE CONTRACT ADMINISTRATOR.

JOINTS AND SEALS:

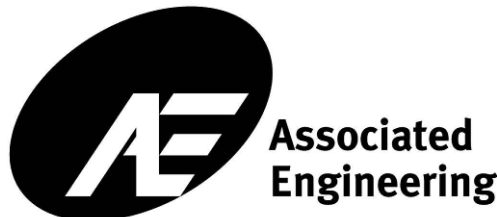
- ALL MATERIALS AND PRODUCTS SHALL BE HANDLED, STORED AND INSTALLED ACCORDING TO THE MANUFACTURERS SPECIFICATIONS, U.N.O.
- ELASTOMERIC COMPRESSION SEALS SHALL BE INSTALLED IN AMBIENT TEMPERATURES BETWEEN 5°C AND 25°C.
- ELASTOMERIC COMPRESSION SEALS SHALL BE SUPPLIED AND INSTALLED IN ONE CONTINUOUS LENGTH WHERE POSSIBLE.
- TO ACCOMMODATE VERTICAL ANGLES AND CURBS, THE CONTRACTOR MAY CUT, SHAPE, VULCANIZE AND FIELD SPLICE SEALS, TO THE MANUFACTURERS INSTALLATION INSTRUCTIONS, FOLLOWING PRIOR REVIEW AND ACCEPTANCE OF SHOP DRAWINGS BY THE CONTRACT ADMINISTRATOR.
- JOINT TEST:
  - UPON COMPLETION OF JOINT INSTALLATION, THE CONTRACTOR SHALL POUR WATER OVER EACH JOINT TO TEST THAT JOINTS ARE PROPERLY SEALED FROM WATER INGRESS.
  - A MINIMUM OF 5 LITRES OF WATER USED IN JOINT TESTING.
  - A PASSING TEST WILL ONLY BE GIVEN IF NO WATER IS OBSERVED PASSING THROUGH THE JOINT FROM THE UNDERSIDE OF THE BRIDGE. IF WATER INGRESS IS OBSERVED, THE CONTRACTOR SHALL RESET THE JOINT SEAL.

PIPING:

- ALL PIPING MATERIALS, CONNECTIONS AND JOINTS SHALL CONFORM TO CONTRACT SPECIFICATIONS.
- PIPE SHALL BE TYPE PVC DWB PIPE (COLOUR GREY) CERTIFIED TO CSA B182.1.
- JOINTS TO CONFIRM TO D3212.
- ALL PIPING SHALL BE FIRMLY SUPPORTED AND SECURELY BRACED AT LOCATIONS AS SHOWN ON THE DRAWINGS. ALTERATION TO THE BRACKET LOCATIONS SHALL BE SUBMITTED TO THE CONTRACT ADMINISTRATOR AND AGREED PRIOR TO INSTALLATION.
- ALL HANGERS, SUPPORTS AND BRACKETS SHALL BE GALVANIZED TO CONTRACT SPECIFICATIONS.

ABBREVIATIONS:

ABBREVIATION	MEANING
ADD'L	ADDITIONAL
CONC	CONCRETE
C/W	COMPLETE WITH
C/C	CENTRE TO CENTRE
DEG	DEGREES
OPP.	OPPOSITE
TYP	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE



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ASSOCIATED ENGINEERING (B.C.) LTD.  
PERMIT NUMBER: 1000163  
Engineers & Geoscientists BC

0	2025MAY29	M. FENTON	J. MORO	ISSUED FOR TENDER
REV	DATE	DESIGN	DRAWN	DESCRIPTION

CITY OF COQUITLAM

BR190 CPR OVERPASS  
AT LOUGHEED HIGHWAY  
STRUCTURAL REHABILITATION  
2025-2205-02

SCALE: AS SHOWN

STRUCTURAL

GENERAL NOTES

DRAWING	REVISION	SHEET
2205-02-S-101	0	2



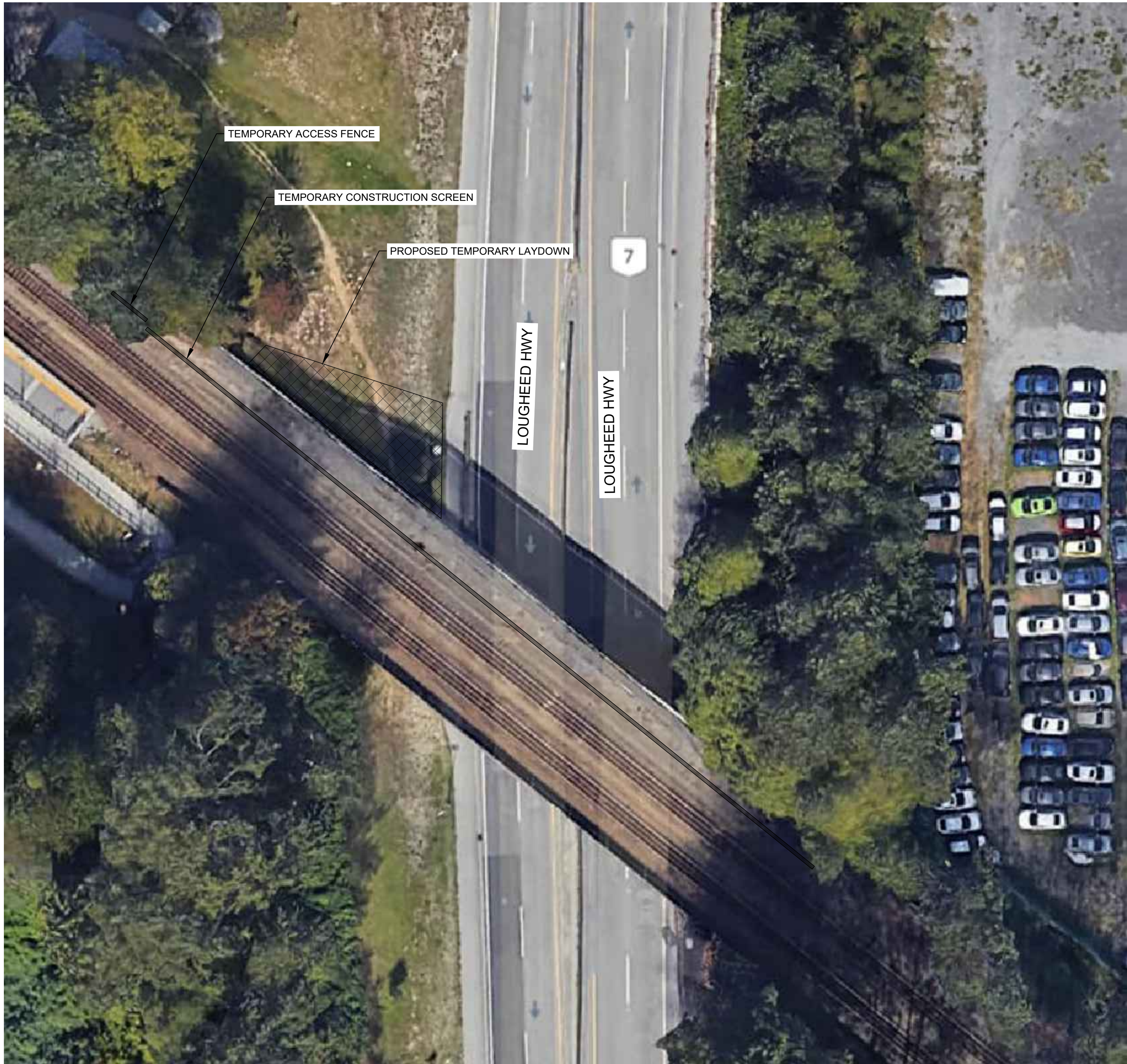


PHOTO  
SITE PLAN

N.T.S.



PHOTO  
TEMPORARY ACCESS

N.T.S.

**NOTES:**

**TEMPORARY ACCESS FENCE:**

THE CONTRACTOR SHALL INSTALL A TEMPORARY ACCESS FENCE WITH A LOCKABLE GATE AT THE TOP OF THE BRIDGE FROM THE NORTHWEST CORNER.

1. THE CONTRACTOR SHALL MAINTAIN THE FENCE AND GATE ACCESS THROUGHOUT THE DURATION OF CONSTRUCTION.
2. UPON PROJECT COMPLETION, THE CONTRACTOR SHALL REMOVE AND REINSTATE THE FENCE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

**TEMPORARY CONSTRUCTION SCREEN:**

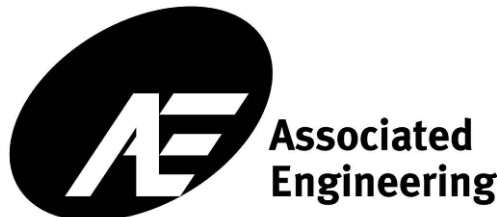
A TEMPORARY SCREEN SHALL BE ERECTED 2 M BACK FROM THE WORKS ON THE NORTH SIDE ONLY.

1. THE SCREEN SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF THE WORKS.
2. THE CONTRACTOR SHALL ENSURE THE SCREEN REMAINS SECURE AND ADEQUATELY SUPPORTED AT ALL TIMES, WITH NO PART OF THE SCREEN PERMITTED TO ENCROACH NEAR THE TRAIN TRACKS.

**TEMPORARY LAYDOWN:**

THE CONTRACTOR SHALL UTILIZE THE INDICATED LAYDOWN AREA OR AN APPROVED ALTERNATIVE FOR SITE STORAGE AND LAYDOWN PURPOSES.

PLOT DATE: 2025-05-29 11:10:39 AM  
SAVE DATE: 2025-05-28 12:59:23 PM  
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AT LOUGHEED HIGHWAY  
STRUCTURAL REHABILITATION  
2025-2205-02

SCALE: AS SHOWN

STRUCTURAL

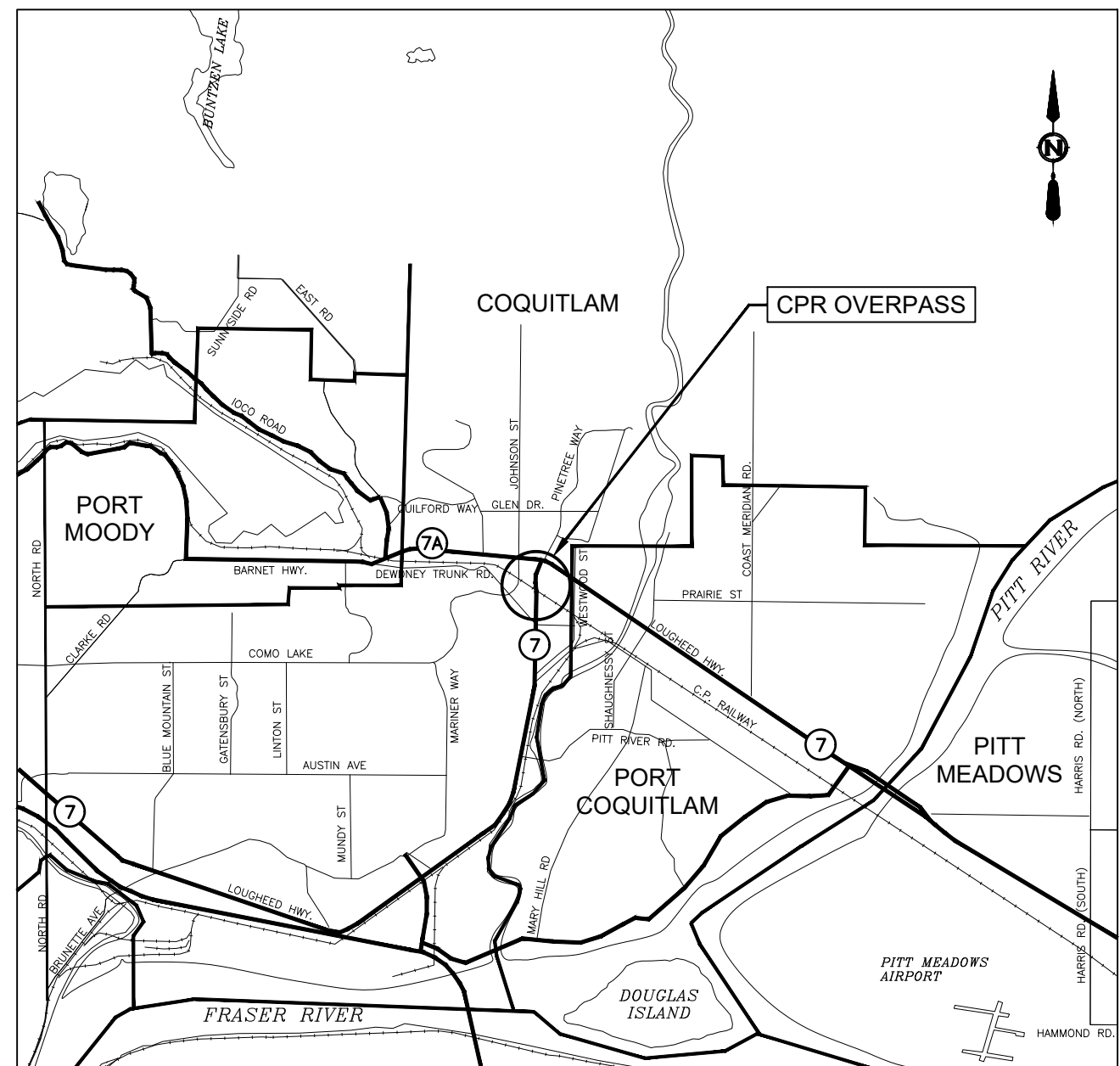
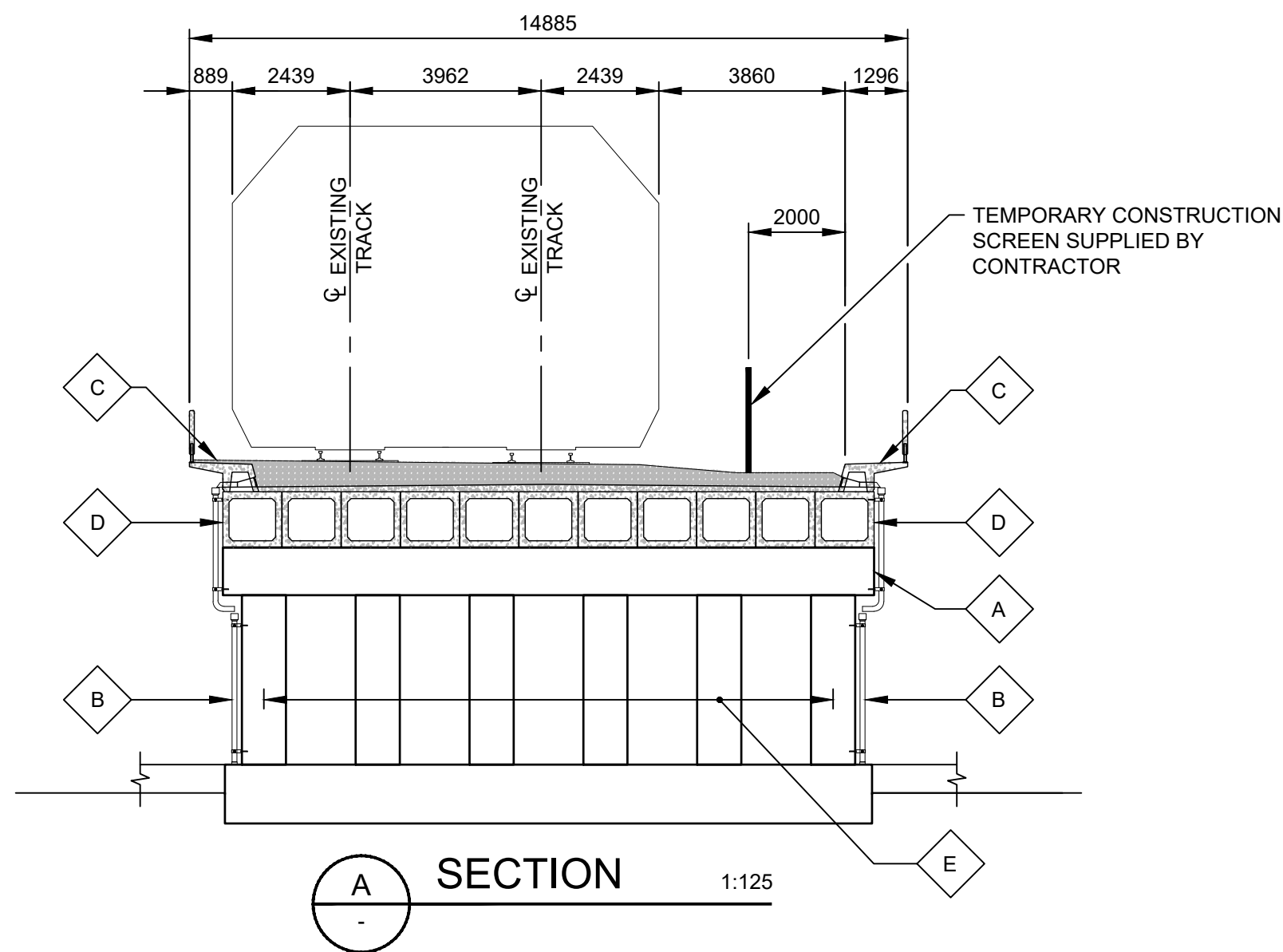
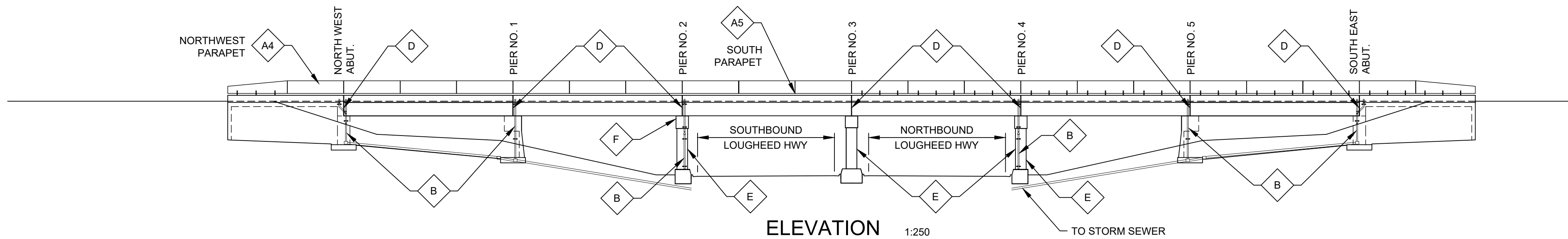
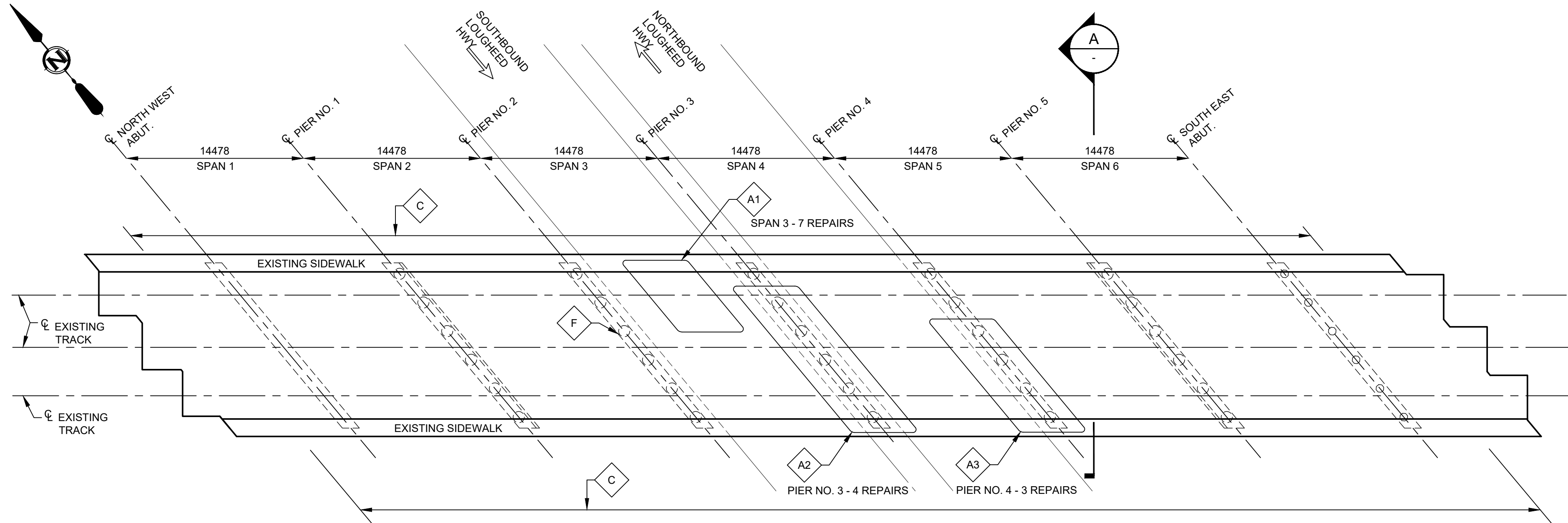
SITE PLAN

DRAWING	REVISION	SHEET
2205-02-S-102	0	3



IF NOT 50 mm ADJUST SCALES  
50 mm

SCALE(S) SHOWN ARE INTENDED FOR ANSI D (22X34) SIZE DRAWINGS. TABLOID (11X17) SIZE DRAWINGS ARE 1/2 OF SCALE(S) SHOWN UNLESS NOTED OTHERWISE



#### WORK DESCRIPTION (NOT CONSTRUCTION SEQUENCE)

- A CONCRETE PATCH AND SPALL REPAIRS, SEE DETAIL ON DWG. 2205-02-S-104
- B DRAINAGE PIPE REPAIR AND REPLACEMENT
- C COMPRESSION SEAL REPLACEMENT AND REGROUTING BETWEEN SIDE WALK PANELS
- D RESEAL BETWEEN EXTERIOR GIRDERS AT PIERS AND ABUTMENTS
- E SEAL VERTICAL CRACKS IN CONCRETE COLUMNS
- F REPAIR EXISTING LIGHT FIXTURES

#### NOTE:

- FOR GENERAL NOTES SEE DWG. 2205-02-S-101.

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CITY OF COQUITLAM

BR190 CPR OVERPASS  
AT LOUGHEED HIGHWAY  
STRUCTURAL REHABILITATION  
2025-2205-02

SCALE: AS SHOWN

STRUCTURAL  
GENERAL ARRANGEMENT

DRAWING	REVISION	SHEET
2205-02-S-103	0	4

PLOT DATE: 2025-05-29 11:10:49 AM  
SAVE DATE: 2025-05-28 12:59:16 PM  
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PHOTO N.T.S.  
VERTICAL CONCRETE  
SPALLING AT FACE OF  
PIER, TYP

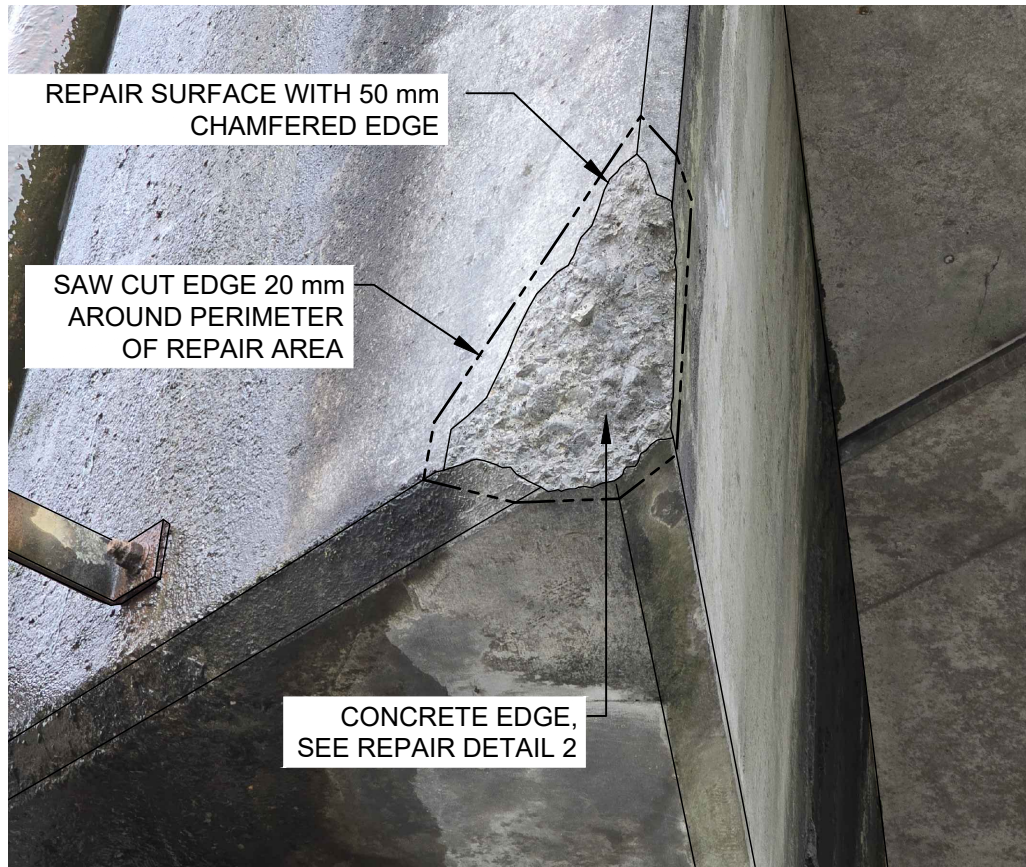


PHOTO N.T.S.  
OVERHEAD CONCRETE  
SPALLING AT CORNER  
OF PIER CAP, TYP



PHOTO N.T.S.  
VERTICAL CONCRETE  
SPALLING AT EXTERIOR  
FACE OF GIRDER, TYP

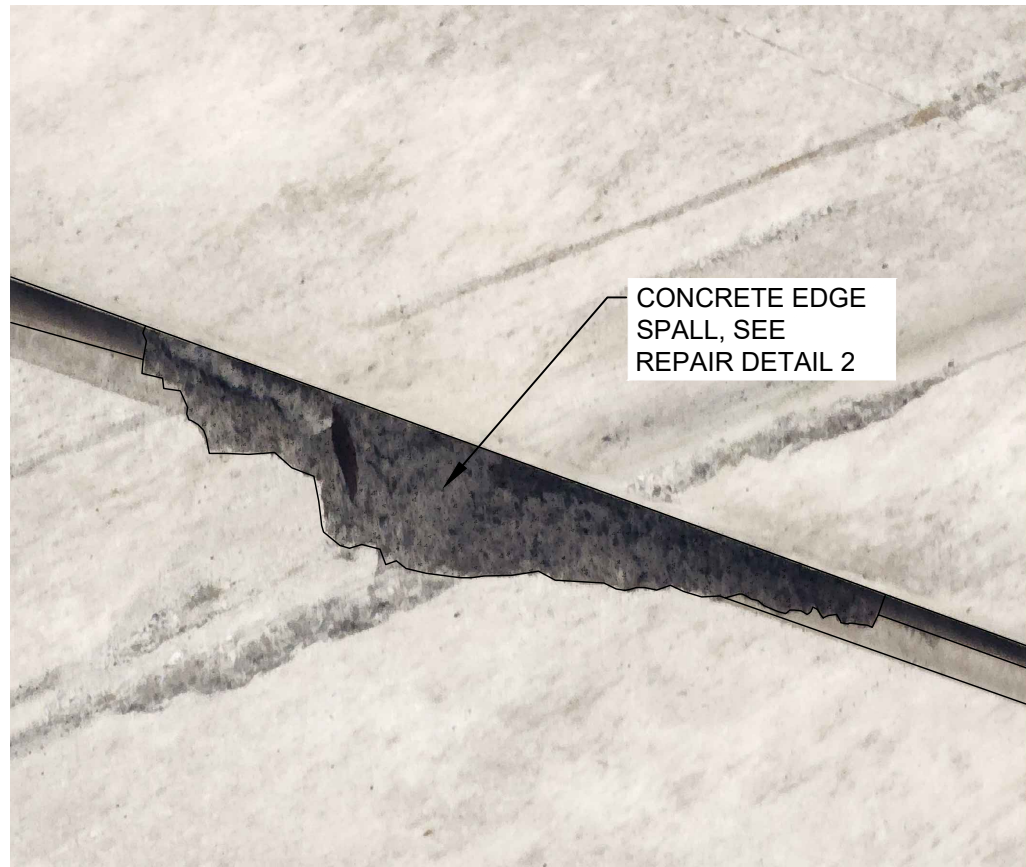


PHOTO N.T.S.  
OVERHEAD CONCRETE  
SPALLING BETWEEN  
GIRDERS, TYP

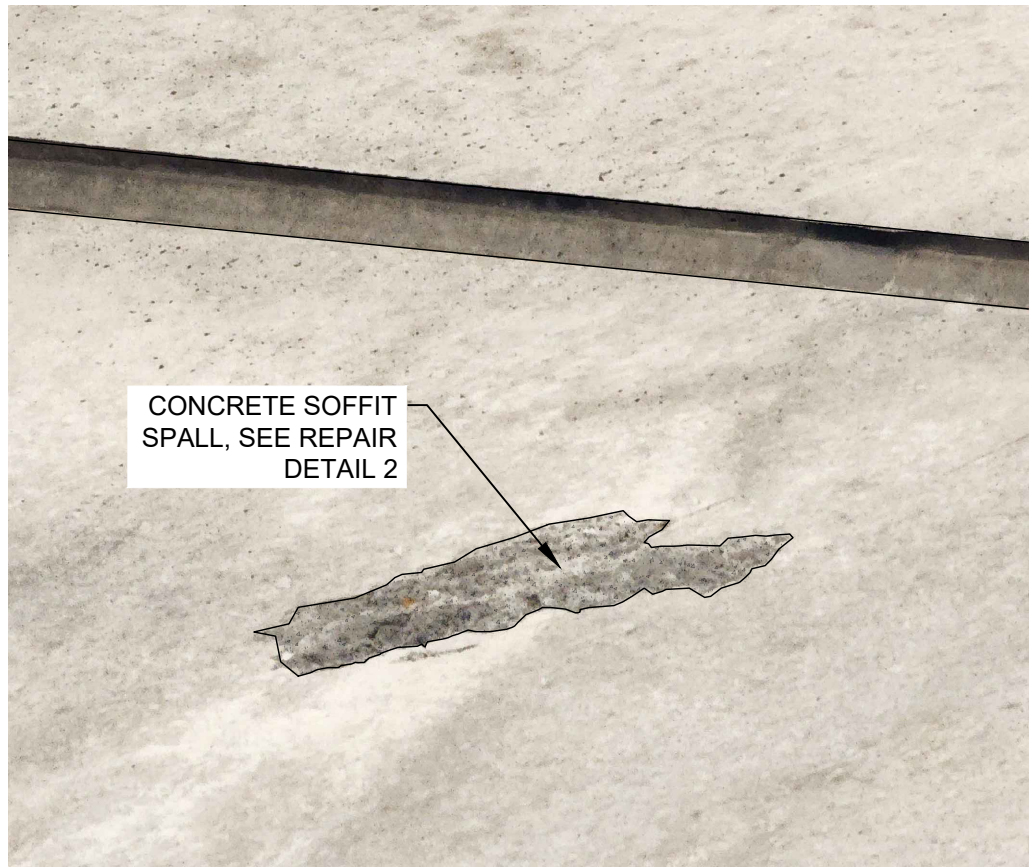
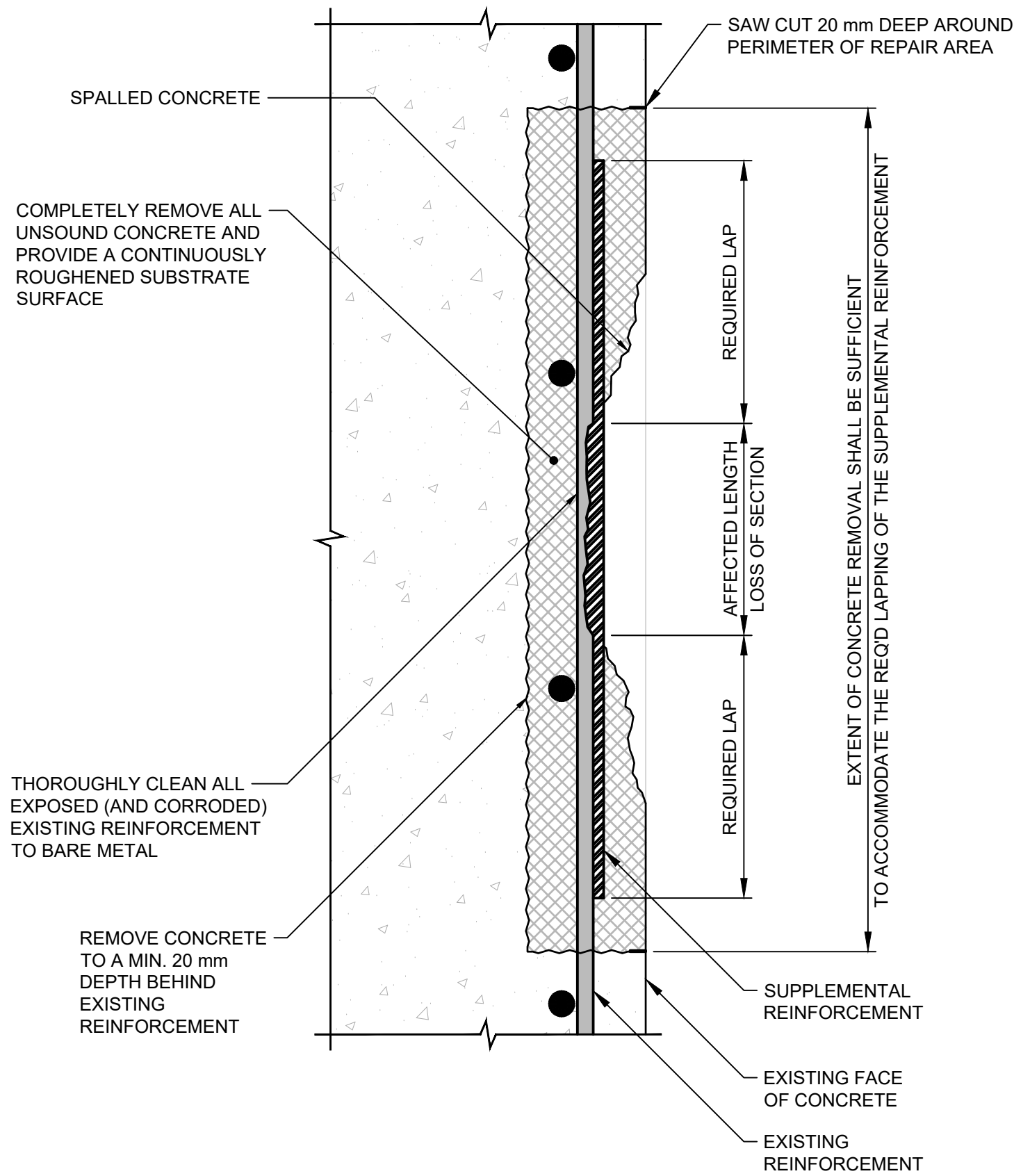
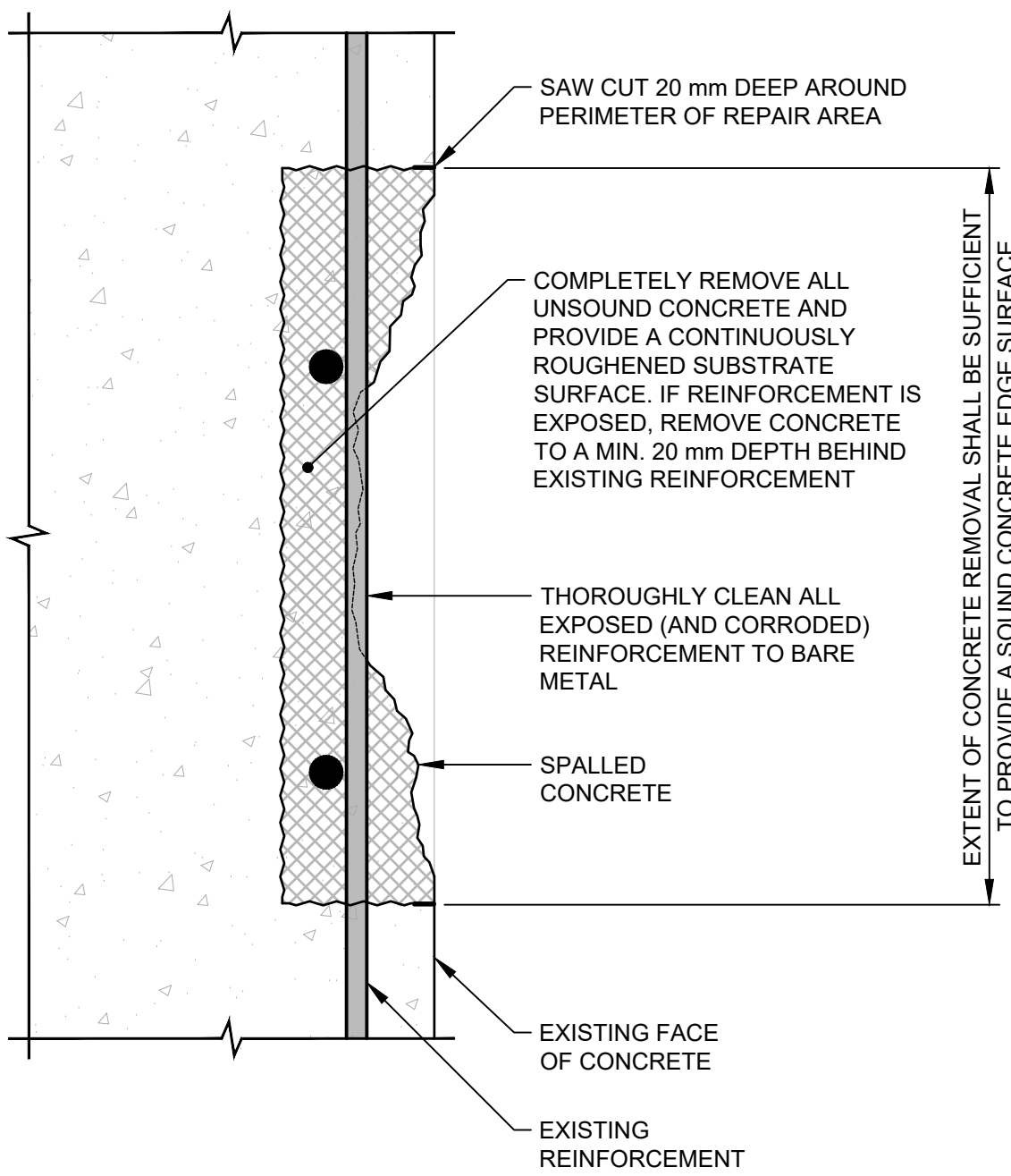


PHOTO N.T.S.  
OVERHEAD CONCRETE  
SPALLING AT UNDERSIDE  
OF GIRDER, TYP



1  
DETAIL 1:5  
TYPICAL CONCRETE PATCH REPAIR  
WITH REINFORCEMENT LOSS,  
HORIZONTAL FACE SIMILAR



2  
DETAIL 1:5  
TYPICAL CONCRETE PATCH REPAIR  
WITH NO REINFORCEMENT LOSS,  
HORIZONTAL FACE SIMILAR



PHOTO N.T.S.  
HORIZONTAL CONCRETE  
SPALLING AT PARAPET, TYP



PHOTO N.T.S.  
HORIZONTAL CONCRETE  
SPALLING AT PARAPET, TYP

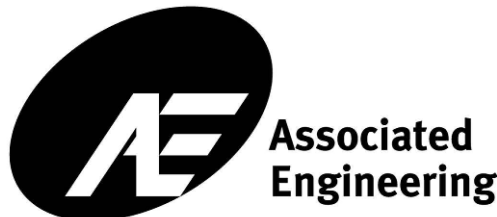
REPAIR SUMMARY:

REPAIR AREA	NO. OF REPAIRS	TOTAL AREA (m²)	REPAIR TYPE
A1	7	5	OVERHEAD SPALL
A2	4	3	VERTICAL SPALL
A3	3	3	VERTICAL SPALL
A4	1	1	HORIZONTAL SPALL
A5	1	1	HORIZONTAL SPALL

NOTES:

- FOR GENERAL NOTES SEE DWG. 2205-02-S-101.
- FINAL LOCATION AND EXTENT OF REPAIRS TO BE CONFIRMED BY CONTRACT ADMINISTRATOR.

PLOT DATE: 2025-05-29 11:11:03 AM  
SAVE DATE: 2025-05-28 12:57:15 PM  
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CITY OF COQUITLAM

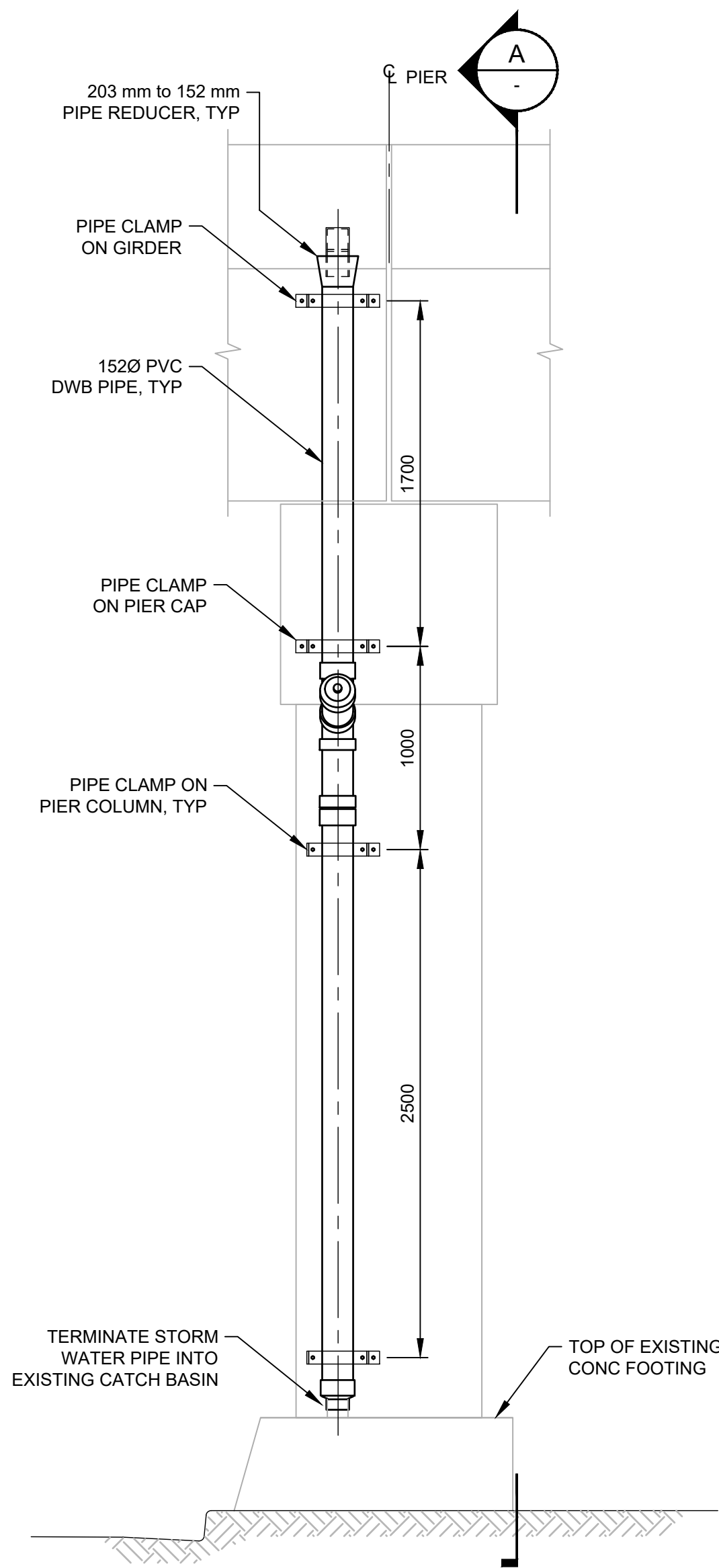
BR190 CPR OVERPASS  
AT LOUGHEED HIGHWAY  
STRUCTURAL REHABILITATION  
2025-2205-02

SCALE: AS SHOWN

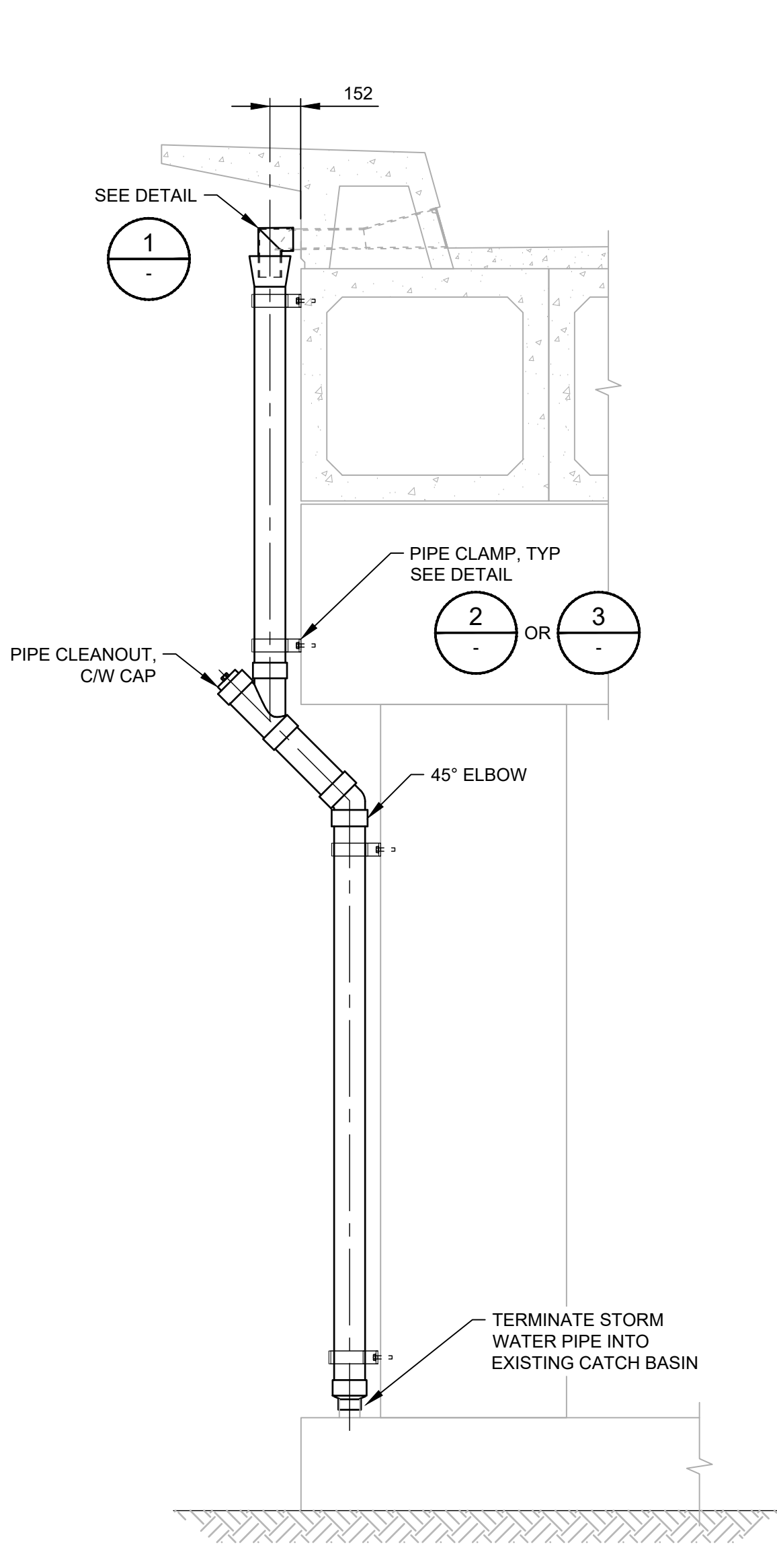
STRUCTURAL  
REPAIR A  
CONCRETE PATCH AND SPALL REPAIRS

DRAWING	REVISION	SHEET
2205-02-S-104	0	5

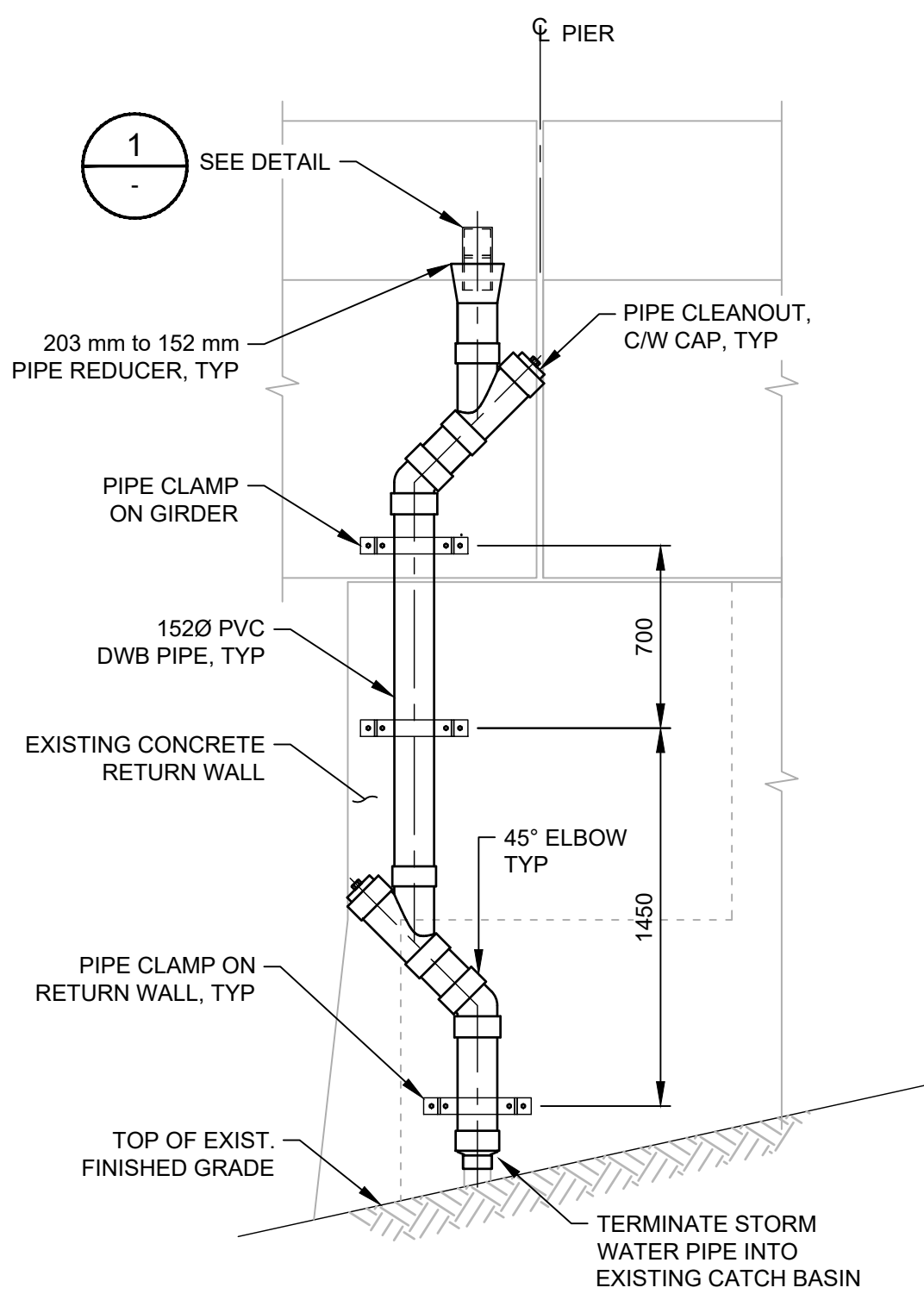




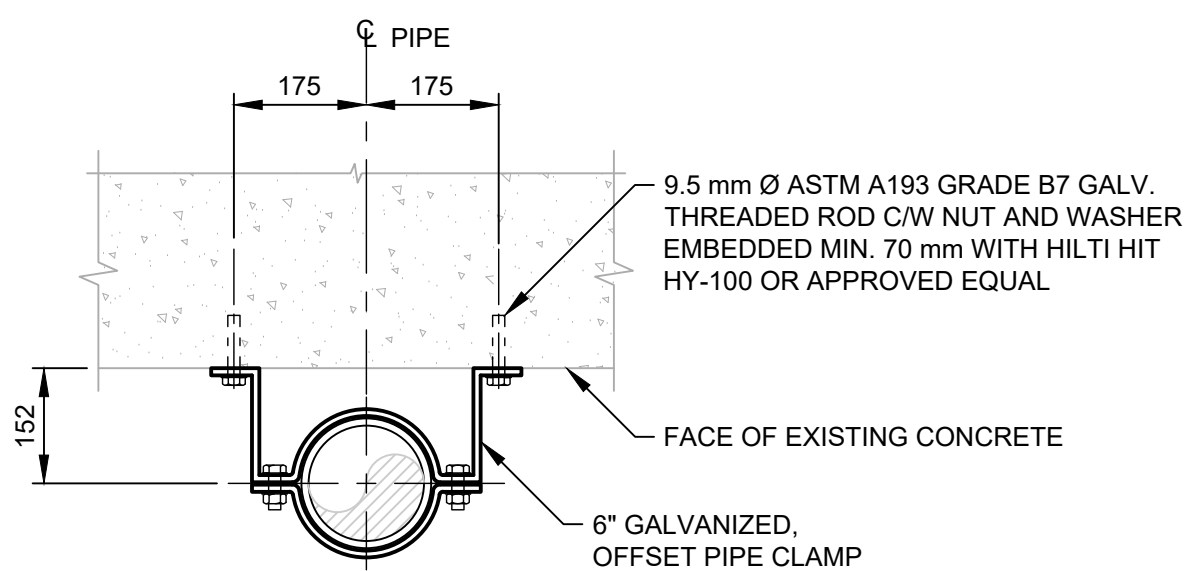
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(PIER NO. 4 SHOWN,  
PIER NO. 2 OPP. HAND)



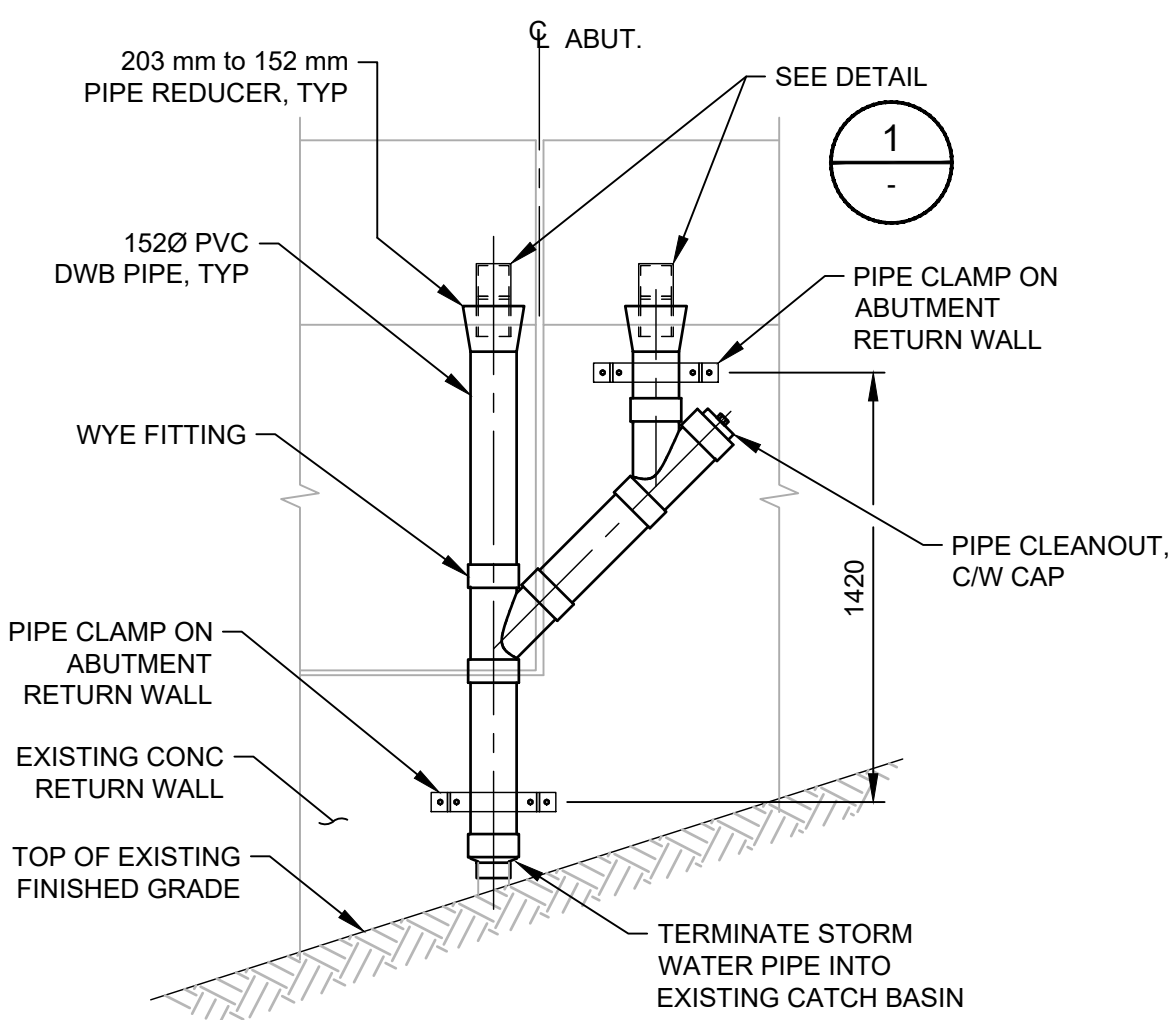
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A



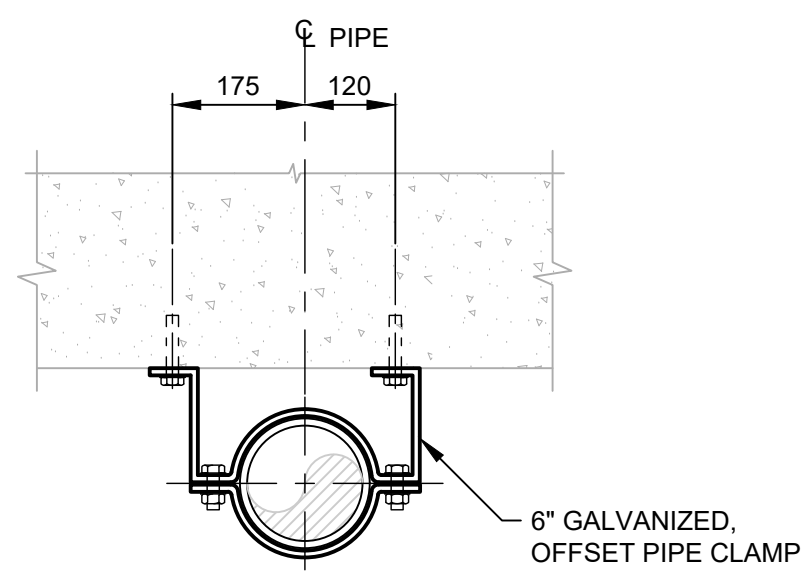
**ELEVATION** 1:25  
(PIER NO. 5 SHOWN,  
PIER NO. 1 OPP. HAND)



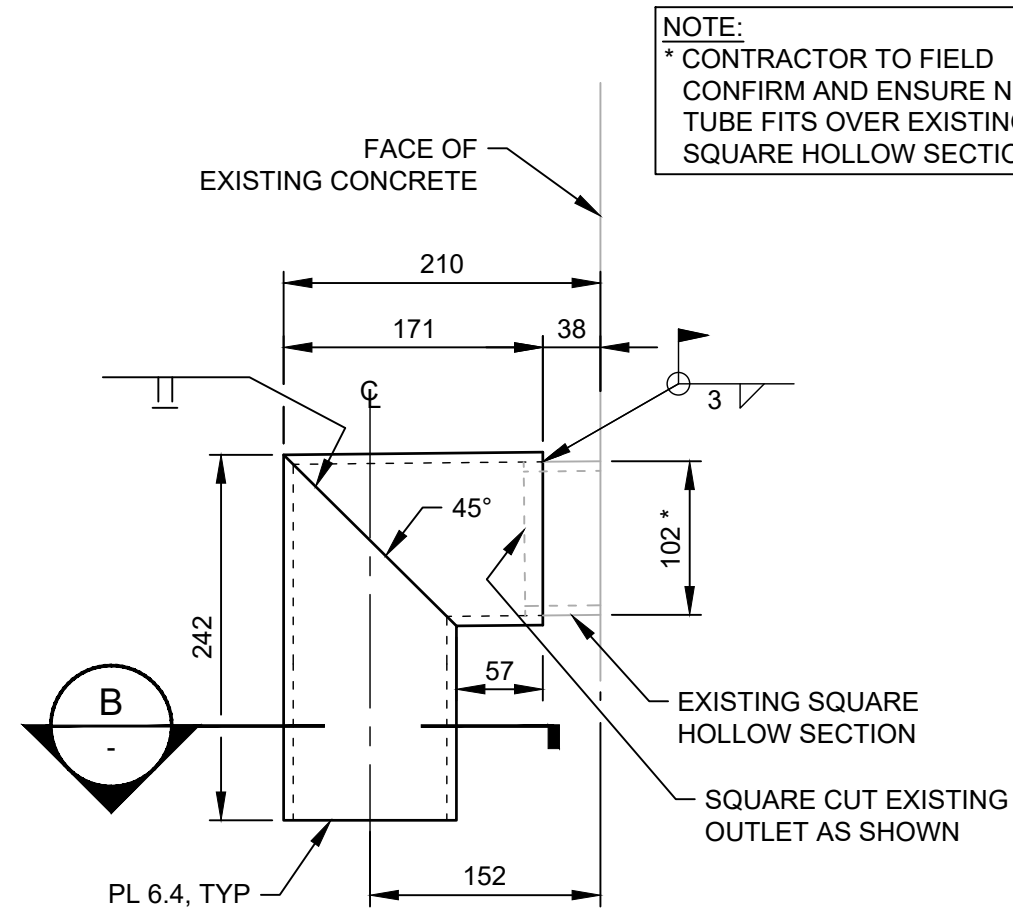
**DETAIL** 1:10  
2  
PIPE CLAMP ASSEMBLY



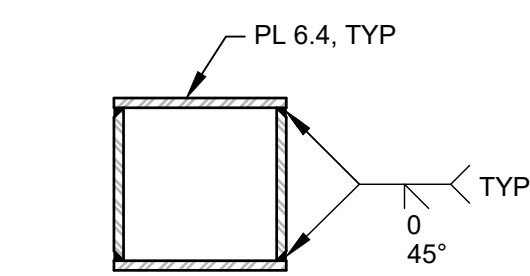
**ELEVATION** 1:25  
(SOUTH EAST ABUT SHOWN,  
NORTH WEST ABUT OPP. HAND)



**DETAIL** 1:10  
3  
ALTERNATIVE  
PIPE CLAMP ASSEMBLY



**DETAIL** 1:5  
1

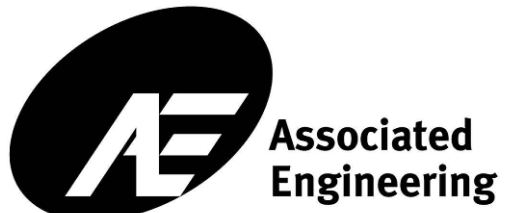


**SECTION** 1:5  
B

**NOTES:**

- FOR GENERAL NOTES SEE DWG. 2205-02-S-101.
- ALL DIMENSIONS TO BE FIELD CONFIRMED PRIOR TO ORDERING MATERIAL.

PLOT DATE: 2025-05-29 11:11:19 AM  
SAVE DATE: 2025-05-28 12:59:00 PM  
DWG PATH: G:\2025-2205-02-S-101\DWG



PERMIT TO PRACTICE  
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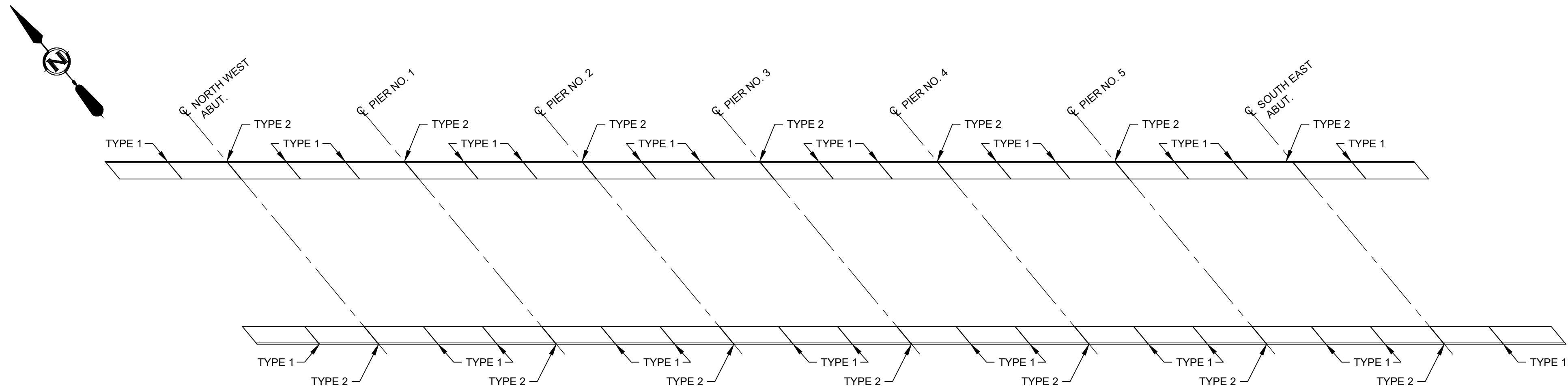
CITY OF COQUITLAM

BR190 CPR OVERPASS  
AT LOUGHEED HIGHWAY  
STRUCTURAL REHABILITATION  
2025-2205-02

SCALE: AS SHOWN

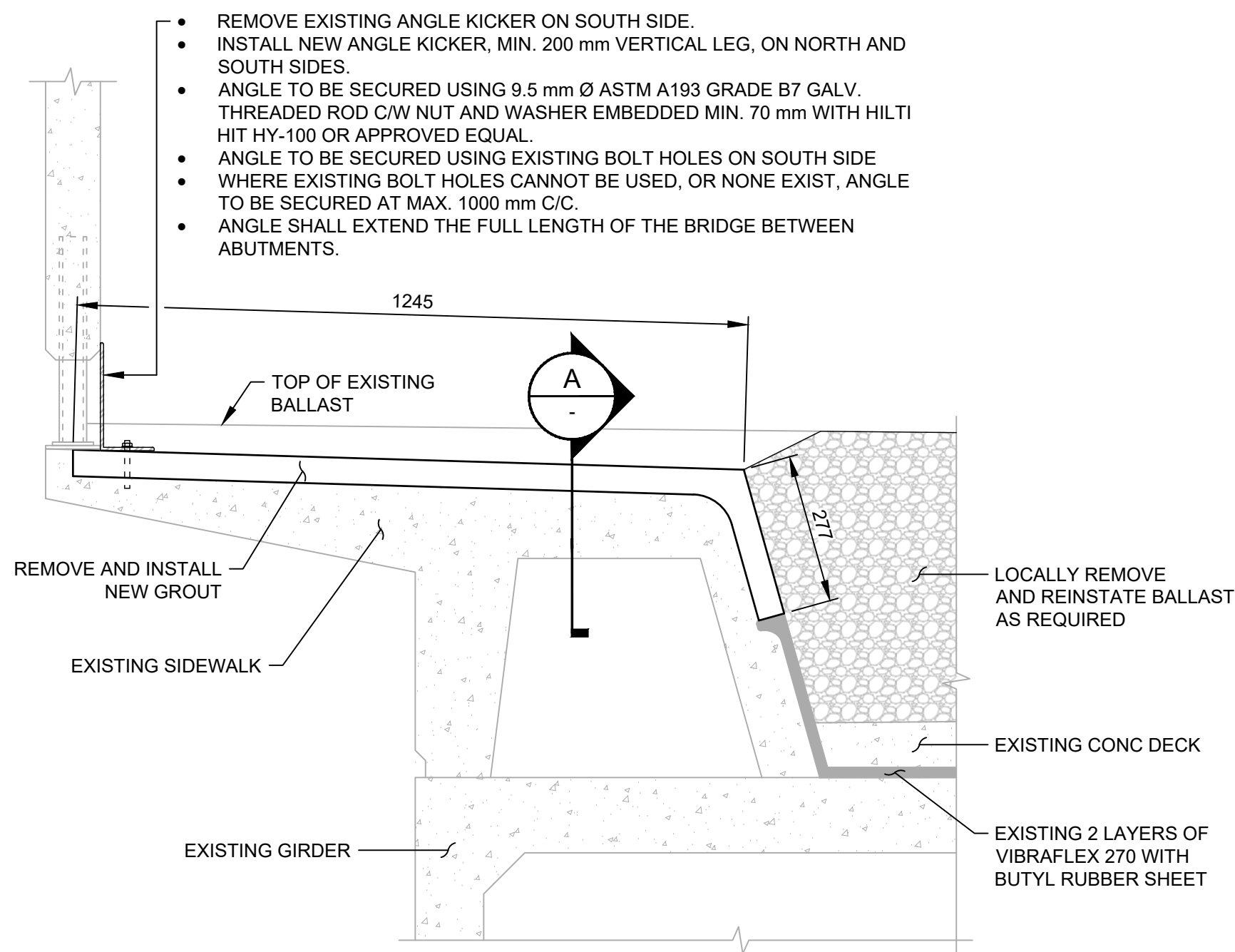
STRUCTURAL  
REPAIR B  
DRAINAGE PIPE REPAIR AND REPLACEMENT

DRAWING	REVISION	SHEET
2205-02-S-105	0	6



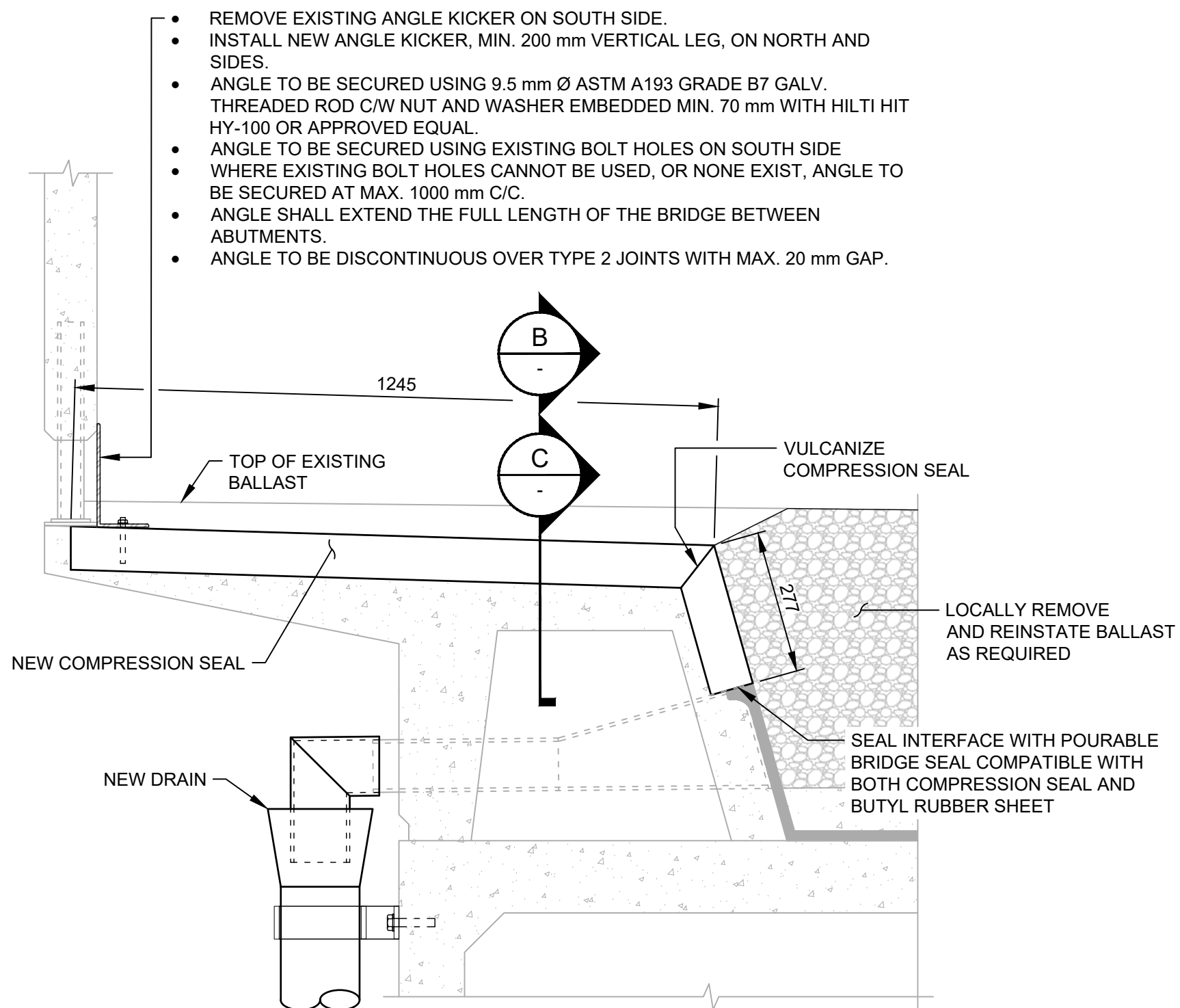
PLAN  
EXISTING SIDEWALK PANEL LAYOUT

1:250



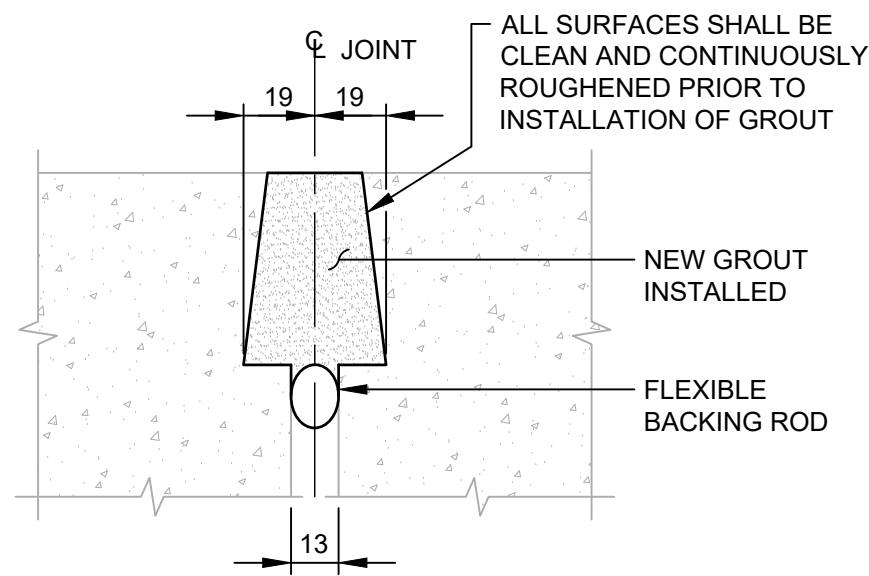
TYPICAL JOINT DETAIL  
TYPE 1 - INTERMEDIATE  
(28 NO. OF JOINTS)

1:10



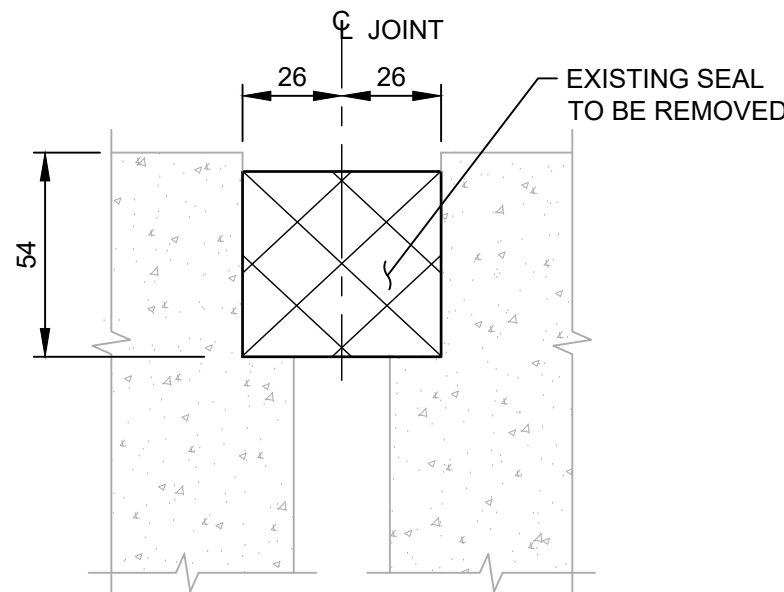
TYPICAL JOINT DETAIL  
TYPE 2 - AT ABUTMENTS AND PIERS  
(14 NO. OF JOINTS)

1:10



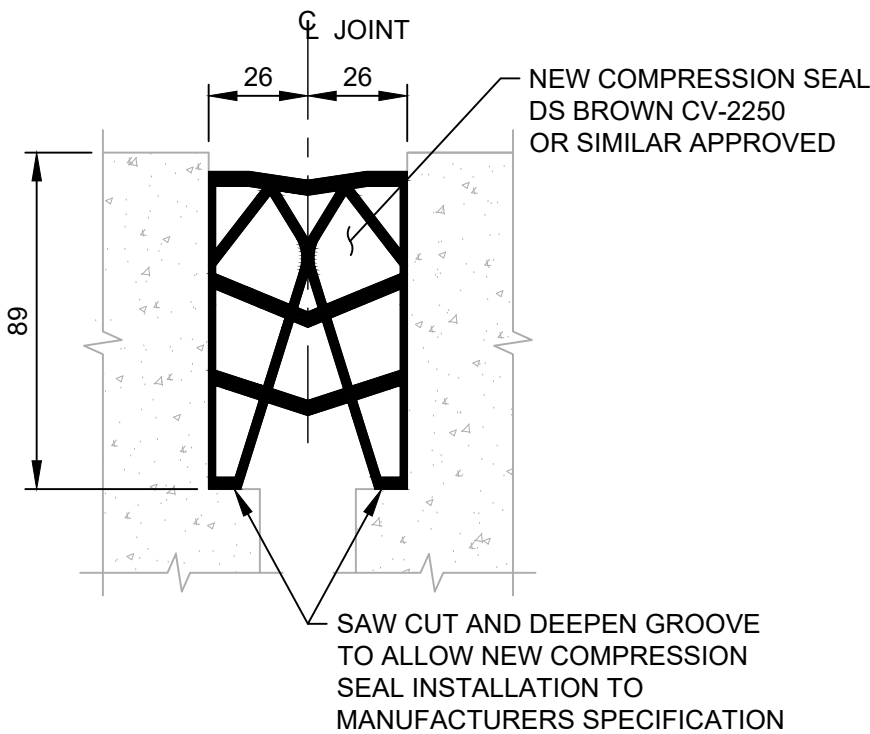
SECTION  
NEW

1:2



SECTION  
EXISTING

1:2



SECTION  
NEW

1:2

PLOT DATE: 2025-05-29 11:11:36 AM  
SAVE DATE: 2025-05-28 12:59:07 PM  
DWG PATH: C:\025-2205-02\00000000\2205-02-S-106.dwg



PERMIT TO PRACTICE  
ASSOCIATED ENGINEERING (B.C.) LTD.  
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0	2025MAY29	M. FENTON	J. MORO	ISSUED FOR TENDER
REV	DATE	DESIGN	DRAWN	DESCRIPTION

CITY OF COQUITLAM

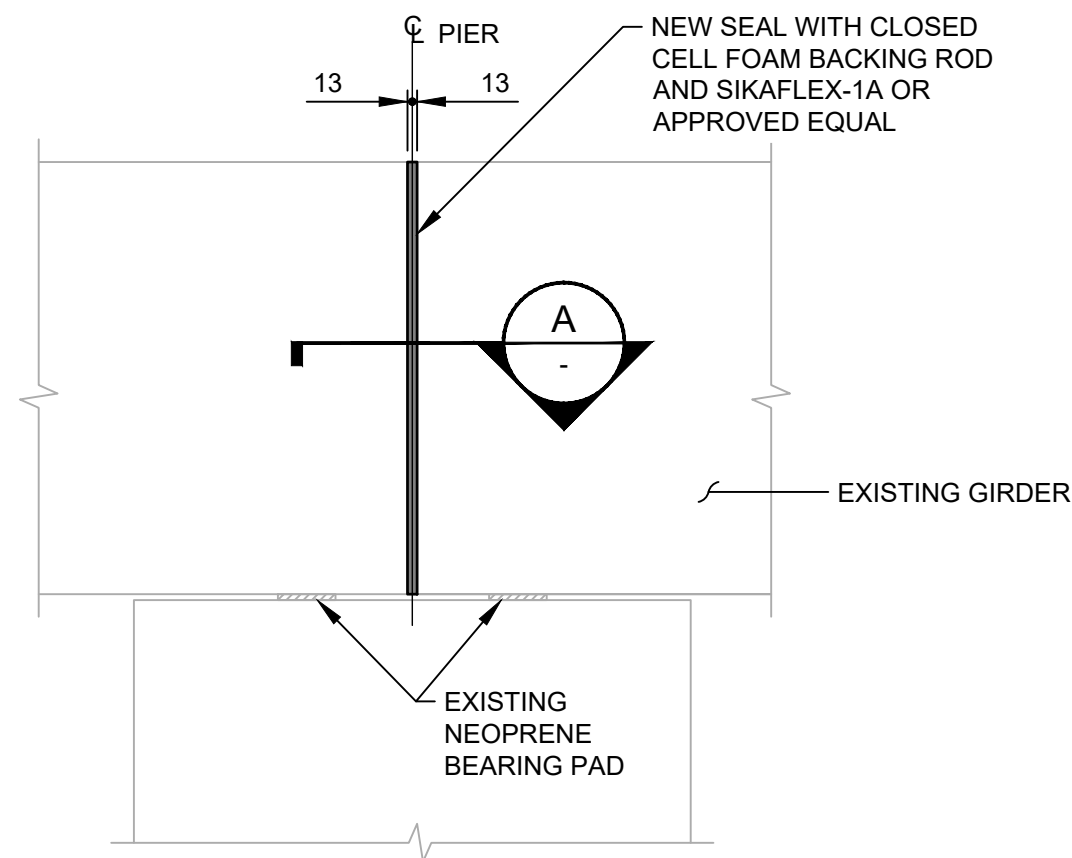
BR190 CPR OVERPASS  
AT LOUGHEED HIGHWAY  
STRUCTURAL REHABILITATION  
2025-2205-02

SCALE: AS SHOWN

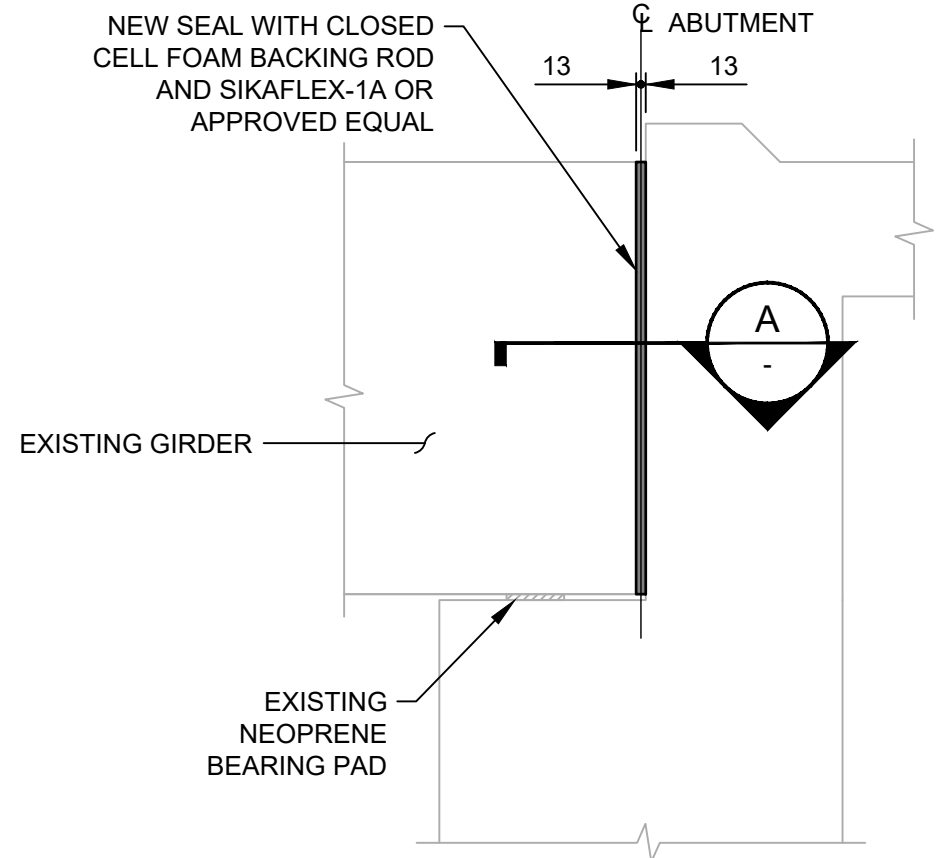
STRUCTURAL  
REPAIR C  
JOINT REPAIRS BETWEEN SIDEWALK PANELS

DRAWING	REVISION	SHEET
2205-02-S-106	0	7

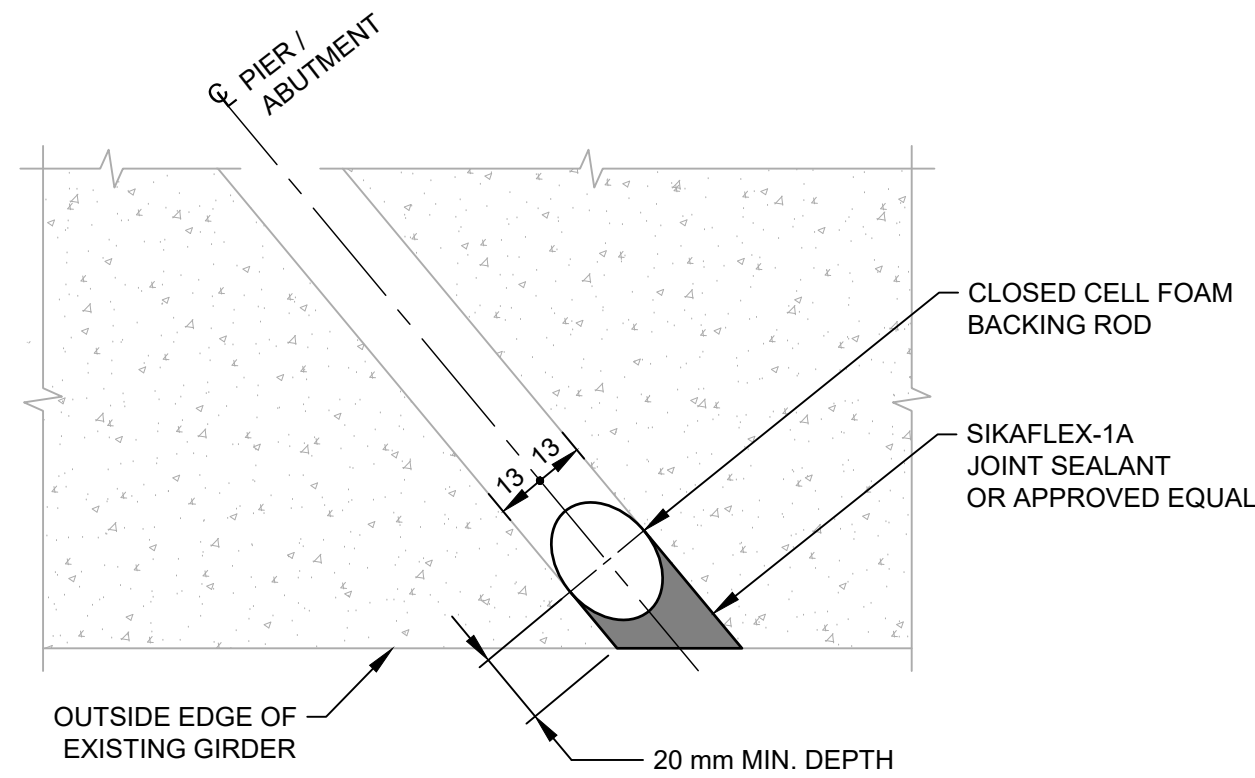




ELEVATION 1:20  
TYPICAL JOINT REPAIR AT PIER



ELEVATION 1:20  
TYPICAL JOINT REPAIR AT ABUTMENT



SECTION 1:2

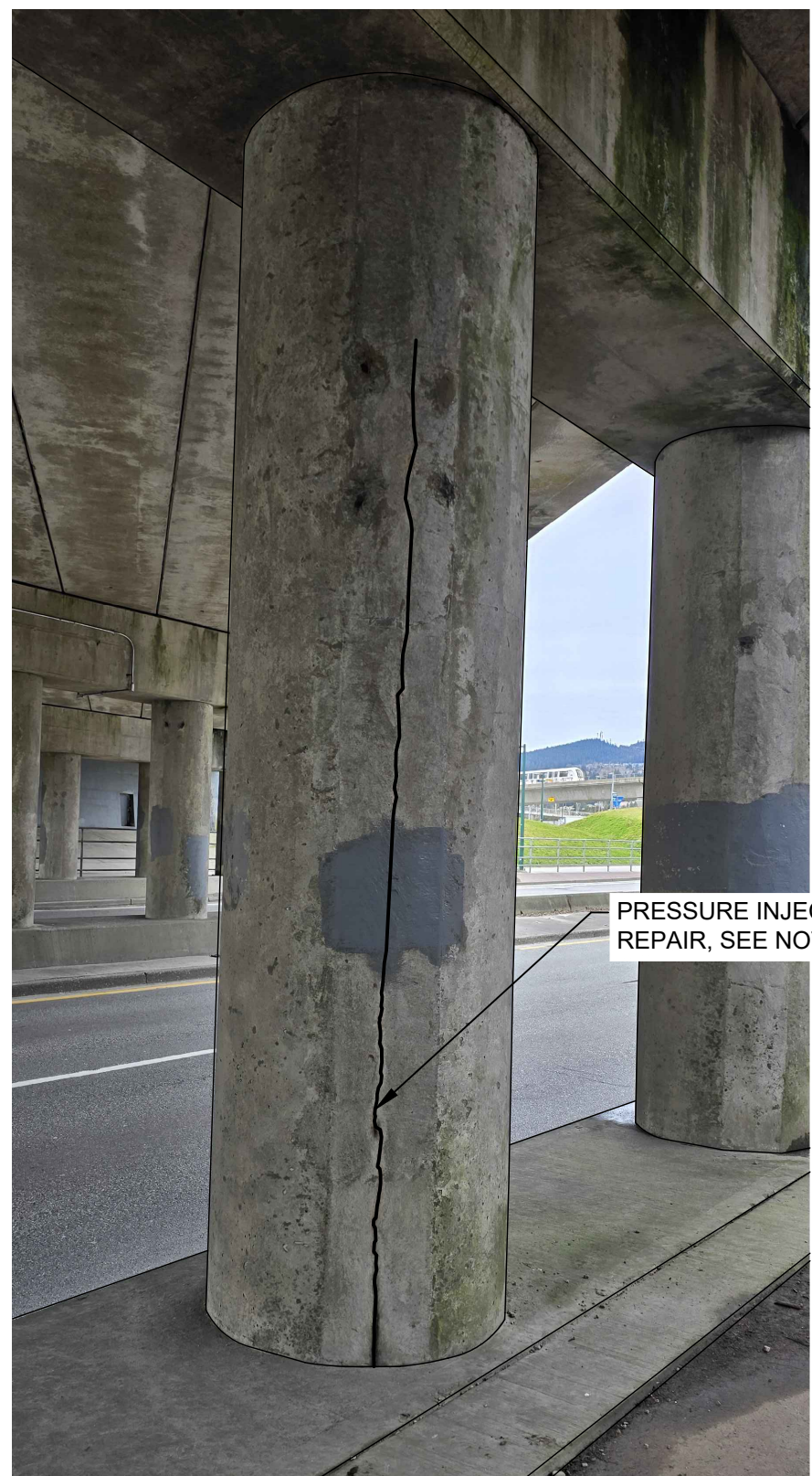


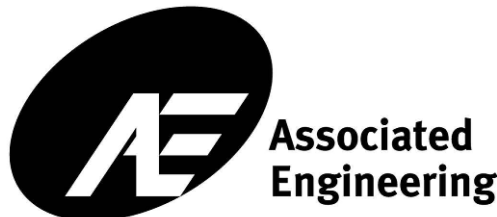
PHOTO N.T.S.  
TYPICAL VERTICAL CRACK SEAL IN CONCRETE COLUMNS



PHOTO N.T.S.  
REPAIR EXISTING LIGHT FIXTURES

- NOTES:**
- FOR GENERAL NOTES SEE DWG. 2205-02-S-101.
  - LOCATION AND LENGTH OF VERTICAL CRACKS IN CONCRETE COLUMNS REPAIRS TO BE CONFIRMED ON SITE BY CONTRACTOR ADMINISTRATOR.
  - PRESSURE INJECTION OF EPOXY REPAIR PROCEDURE:
    - REMOVE DIRT, GREASE, LOOSE DEBRIS, AND COATINGS FROM THE CRACK AND SURROUNDING AREAS. USE WIRE BRUSHES AND CLEANING SOLVENTS AS NECESSARY.
    - DRILL HOLES AT REGULAR INTERVALS ALONG THE CRACK FOR INJECTION PACKERS, ENSURING PENETRATION TO CRACK DEPTH.
    - INSTALL INJECTION PORTS SECURELY AND SEAL THE CRACK SURFACE BETWEEN PORTS USING SIKADUR 31 OR AN APPROVED EQUIVALENT SURFACE SEALANT. ALLOW THE SEALANT TO CURE AS PER THE MANUFACTURER'S GUIDELINES.
    - START INJECTION AT THE LOWEST PORT USING SIKADUR 35 OR APPROVED EQUIVALENT AND CONTINUE UNTIL EPOXY EXITS THE ADJACENT PORT. AFTER ALL PORTS ARE FILLED, ALLOW THE EPOXY TO CURE PER THE MANUFACTURER'S RECOMMENDED TIME. ONCE THE EPOXY HAS CURED, REMOVE THE INJECTION PORTS AND GRIND OFF ANY PROTRUSIONS.
    - PATCH OR SMOOTH THE SURFACE AS NEEDED TO MATCH EXISTING FINISH.

PLOT DATE: 2025-05-29 11:11:51 AM  
SAVE DATE: 2025-05-28 12:59:44 PM  
SAVE BY: MOROJ  
DWG PATH: G:\2025-2205-02-S-101\2205-02-S-107.dwg



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REV	DATE	DESIGN	DRAWN	DESCRIPTION

CITY OF COQUITLAM

BR190 CPR OVERPASS  
AT LOUGHEED HIGHWAY  
STRUCTURAL REHABILITATION  
2025-2205-02

SCALE: AS SHOWN

STRUCTURAL  
REPAIR D, E & F  
MISCELLANEOUS REPAIRS

DRAWING	REVISION	SHEET
2205-02-S-107	0	8