

CITY OF COQUITLAM BR230 MARINER WAY OVERPASS STRUCTURAL REHABILITATION

DRAWING INDEX			
SHEET	DRAWING NAME	REVISION	DRAWING TITLE
GENERAL			
1	2205-01-G-100	0	COVER PAGE & DRAWING INDEX
CIVIL			
2	2205-01-C-101	0	GRADING PLAN
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9	2205-01-S-106	0	EXPANSIONS JOINT DETAILS
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11	2205-01-S-108	0	MISCELLANEOUS REPAIR DETAILS

PLOT DATE: 2025-05-21 10:34:30 AM
SAVE DATE: 2025-05-21 10:34:37 AM
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CITY OF COQUITLAM

BR230 MARINER WAY OVERPASS
STRUCTURAL REHABILITATION

2025-2205-01

0	2025-05-28	J. YANEZ ROJAS	T. JOHNSTON	ISSUED FOR TENDER
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REV	DATE	DESIGN	DRAWN	DESCRIPTION
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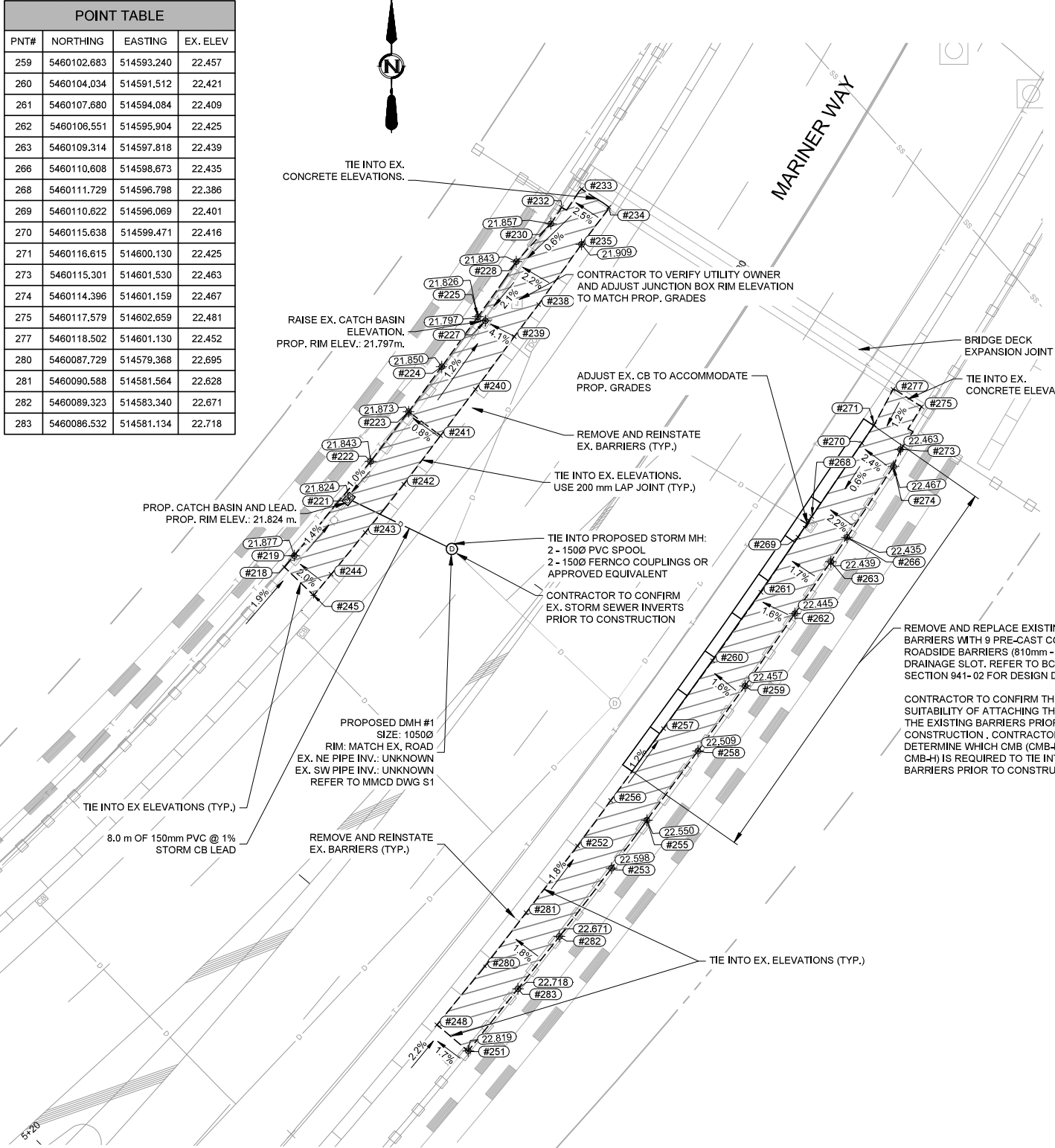
DRAWING		REVISION	SHEET
2205-01-G-100		0	1

IF NOT 50 mm ADJUST SCALES
50 mm

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

POINT TABLE			
PNT#	NORTHING	EASTING	EX. ELEV
218	5460109.023	514568.671	21.887
219	5460109.635	514569.201	21.872
221	5460112.655	514572.097	21.837
222	5460114.665	514573.263	21.832
223	5460117.311	514575.293	21.818
224	5460119.718	514577.060	21.831
225	5460122.381	514578.991	21.820
227	5460122.164	514579.394	21.722
228	5460125.318	514581.042	21.827
230	5460127.343	514582.884	21.850
232	5460128.217	514583.461	21.853
233	5460129.202	514584.526	21.855
234	5460128.225	514585.975	21.912
235	5460126.240	514584.517	21.909
238	5460123.033	514582.229	21.896
239	5460121.320	514580.931	21.869
240	5460118.512	514578.867	21.874
241	5460116.037	514577.002	21.889
242	5460113.444	514575.044	21.901
243	5460110.869	514572.986	21.907
244	5460108.643	514571.170	21.914
245	5460107.515	514570.232	21.934
248	5460084.609	514576.807	22.778
251	5460083.216	514578.477	22.819
252	5460094.152	514584.311	22.548
253	5460092.964	514586.122	22.580
255	5460095.527	514588.003	22.546
256	5460096.569	514586.074	22.515
257	5460100.414	514588.892	22.458
258	5460099.220	514590.729	22.509

POINT TABLE			
PNT#	NORTHING	EASTING	EX. ELEV
259	5460102.683	514593.240	22.457
260	5460104.034	514591.512	22.421
261	5460107.680	514594.084	22.409
262	5460106.551	514595.904	22.425
263	5460109.314	514597.818	22.439
266	5460110.608	514598.673	22.435
268	5460111.729	514596.798	22.386
269	5460110.622	514596.069	22.401
270	5460115.638	514599.471	22.416
271	5460116.615	514600.130	22.425
273	5460115.301	514601.530	22.463
274	5460114.396	514601.159	22.467
275	5460117.579	514602.659	22.481
277	5460118.502	514601.130	22.452
280	5460087.729	514579.368	22.695
281	5460090.588	514581.564	22.628
282	5460089.323	514583.340	22.671
283	5460086.532	514581.134	22.718



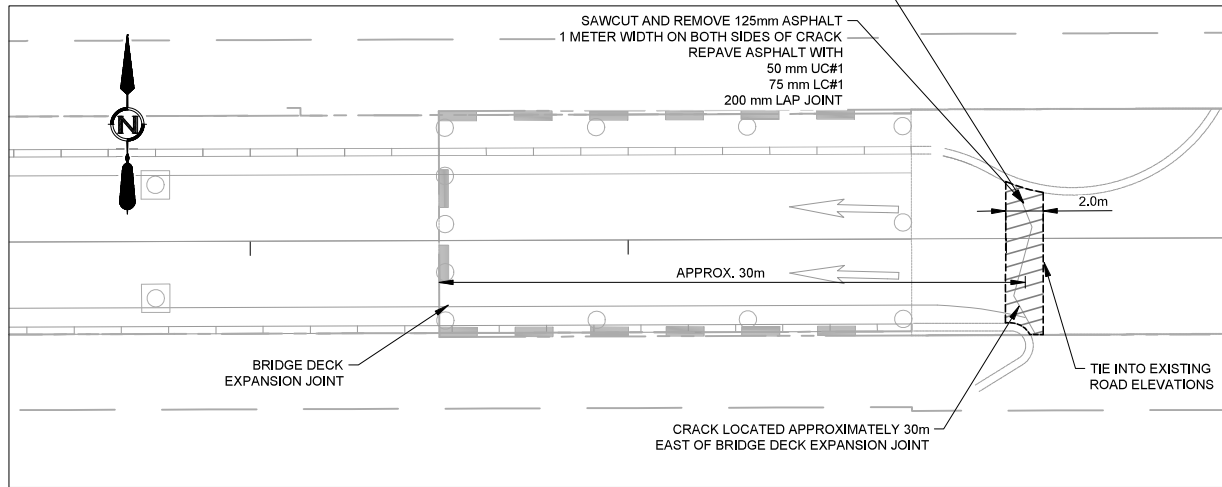
1 PLAN
- SOUTH APPROACH GRADING
1:150

GENERAL NOTES

- CONSTRUCTION IN COMPLIANCE WITH CITY OF COQUITLAM AND MMCD 2009 EDITION STANDARDS
- FOR PAVEMENT RESTORATION REFER TO MMCD DETAIL G5.
- ALL EXISTING ASPHALT AREAS DISTURBED OR DAMAGED BY CONSTRUCTION ARE TO BE SAW CUT AND FULLY REINSTATED.
- CONTRACTOR TO REINSTATE ALL EXISTING SIGNS DISPLACED BY CONSTRUCTION.
- ALL DAMAGED OR DISTURBED IRON PINS, MONUMENTS & OTHER PROPERTY MARKERS TO BE RESET BY A B.C.L.S. AT CONTRACTOR'S EXPENSE.
- DISPOSAL OF ALL EXCAVATED MATERIAL UNSUITABLE FOR REUSE AT A SUITABLE OFF-SITE DUMP SITE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
- ALL LINE PAINTING TO BE REINSTATED AS PER EXISTING. CONTRACTOR IS RESPONSIBLE FOR SURVEYING EXISTING PAVEMENT MARKINGS PRIOR TO BEGINNING WORK, UNLESS SHOWN OTHERWISE.
- EXISTING CATCHBASINS TO BE RETAINED UNLESS OTHERWISE NOTED.
- RESTORE ALL AFFECTED FENCES, CONCRETE, ROADSIDE BARRIERS, LANDSCAPING AND FEATURES TO ORIGINAL OR BETTER CONDITION UNLESS OTHERWISE NOTED.
- ALL UTILITY LOCATIONS ARE APPROXIMATE AND ARE TO BE CONFIRMED BY CONTRACTOR ON SITE.
- ALL UNITS ARE IN METERS (m) UNLESS OTHERWISE NOTED.

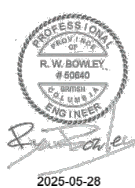
LEGEND

	REMOVE EXISTING ASPHALT PAVEMENT. LEVEL COURSE WITH CRUSHED GRANULAR BASE AND PAVE WITH ASPHALT
	SAWCUT LINE
	STORM SEWER
	SANITARY SEWER
	COMMUNICATION LINE
	PROPERTY LINE
	PROPOSED SPOT ELEVATION
	POINT NUMBER
	CATCH BASIN
	STORM MANHOLE
	DRAINAGE MANHOLE
	JUNCTION BOX
	LIGHT POLE



2 PLAN
- EAST APPROACH ASPHALT REPAIR
1:200

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E: 2025-05-28 12:51:21 PM SAVED BY: R.D.A.M.
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PERMIT TO PRACTICE
ASSOCIATED ENGINEERING (B.C.) LTD.
PERMIT NUMBER: 1000163
Engineers & Geoscientists BC

REV	DATE	DESIGN	DRAWN	DESCRIPTION
0	20250528	R. BOWLEY	J. PADAM	ISSUED FOR TENDER

CITY OF COQUITLAM

BR230 MARINER WAY OVERPASS
STRUCTURAL REHABILITATION

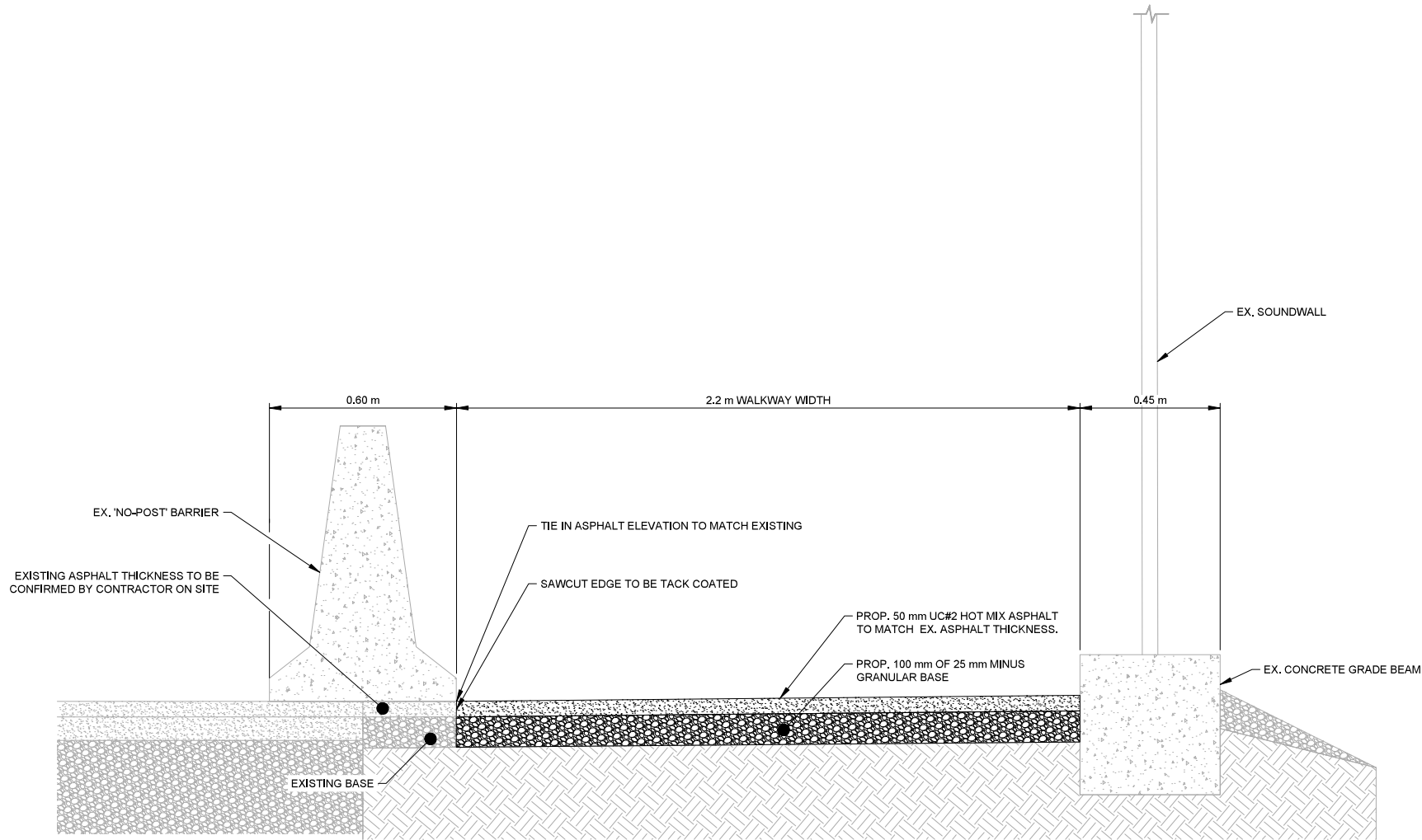
2025-2205-01

SCALE: AS SHOWN

CIVIL

GRADING PLAN

DRAWING	REVISION	SHEET
2205-01-C-101	0	2



1 TYPICAL SECTION NTS
ASPHALT SAWCUT AND REPLACEMENT

PLOT DATE: 2025-05-28 12:55:18 PM
FILE: 2025-05-28 12:48:00 PM SAVED BY: J.PADAM
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CITY OF COQUITLAM

BR230 MARINER WAY OVERPASS
STRUCTURAL REHABILITATION

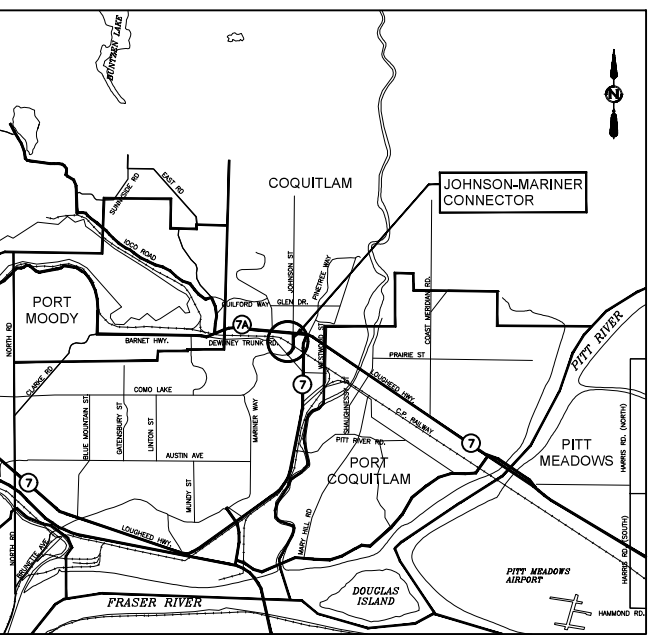
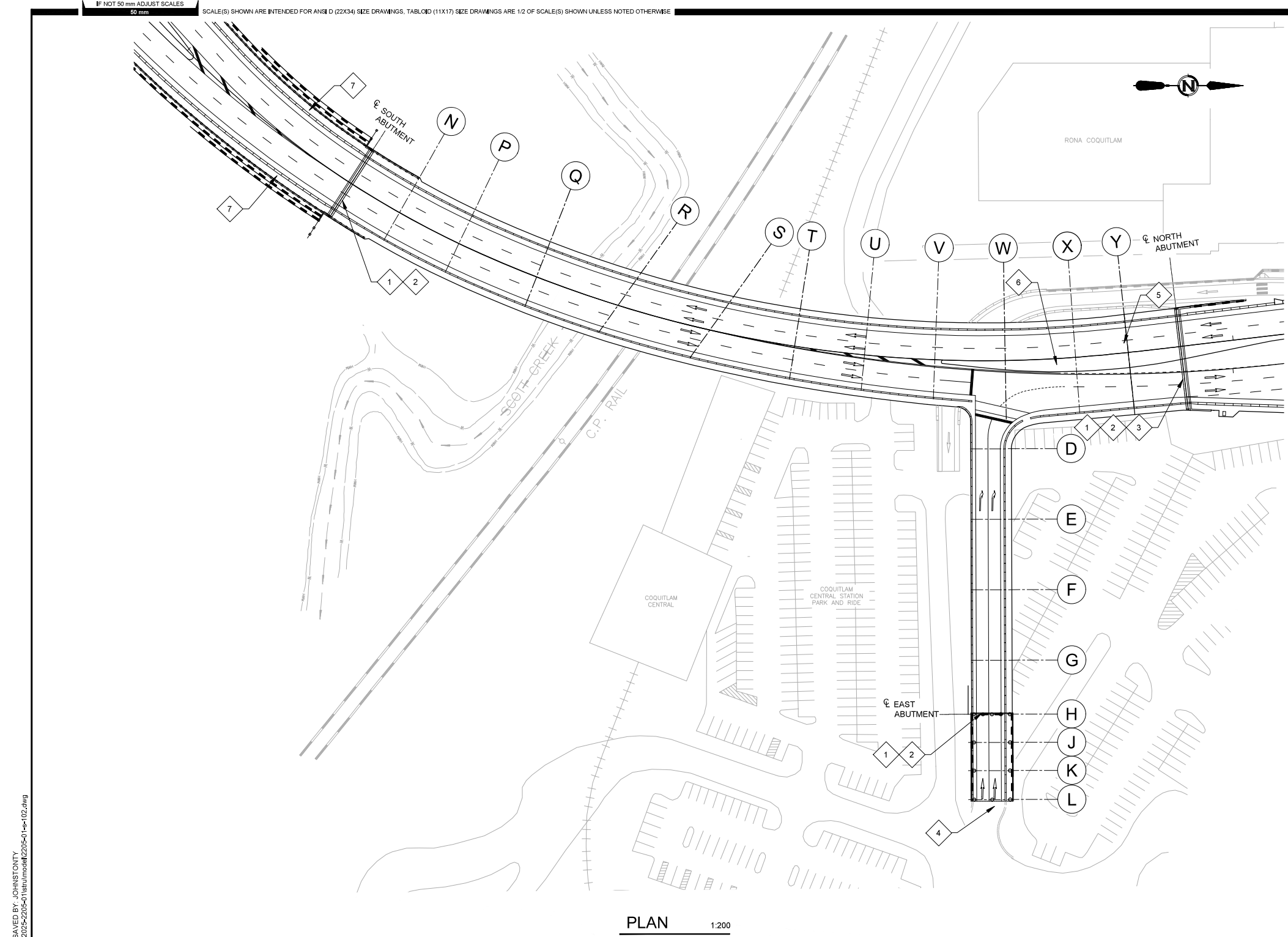
2025-2205-01

SCALE: AS SHOWN

CIVIL

CIVIL DETAILS

DRAWING	REVISION	SHEET
2205-01-C-102	0	3



- NOTES:
- FOR GENERAL NOTES, SEE DWG. 2205-01-S-101.
 - FOR CIVIL DRAWINGS, SEE DWG. 2205-01-C-101 AND 2205-01-C-102.

- WORK DESCRIPTION (NOT CONSTRUCTION SEQUENCE):
- 1 REPLACE EXISTING EXPANSION JOINTS, LOCALLY REMOVE & REINSTATE ASPHALT AND CONCRETE SIDEWALK
 - 2 REINSTATE PAINTED LINES IN AFFECTED WORK ZONES.
 - 3 REPLACE BEARING KEEPER PLATES
 - 4 RE-PAVE CRACKED ASPHALT
 - 5 REPAIR CONCRETE HINGE JOINT AND REPLACE SEALANT AT SIDEWALK AND PARAPETS
 - 6 REPAIR CONCRETE IN MEDIAN
 - 7 DRAINAGE IMPROVEMENTS

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Engineers & Geoscientists BC

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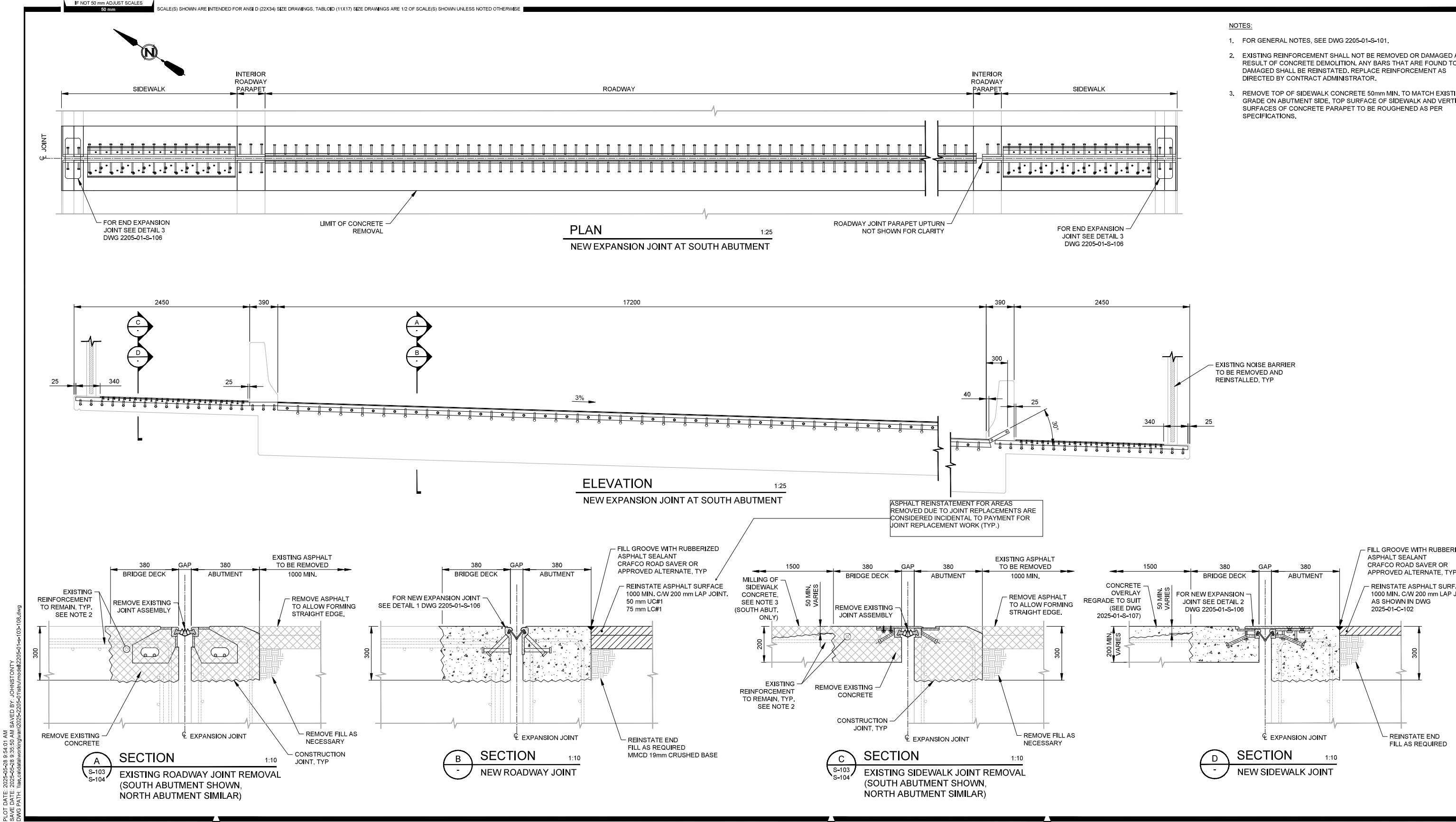
CITY OF COQUITLAM

BR230 MARINER WAY OVERPASS
STRUCTURAL REHABILITATION

2025-2205-01

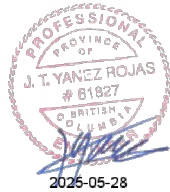
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STRUCTURAL		
GENERAL ARRANGEMENT		
DRAWING	REVISION	SHEET
2205-01-S-102	0	5



- NOTES:
1. FOR GENERAL NOTES, SEE DWG 2205-01-S-101.
 2. EXISTING REINFORCEMENT SHALL NOT BE REMOVED OR DAMAGED AS A RESULT OF CONCRETE DEMOLITION. ANY BARS THAT ARE FOUND TO BE DAMAGED SHALL BE REINSTATED. REPLACE REINFORCEMENT AS DIRECTED BY CONTRACT ADMINISTRATOR.
 3. REMOVE TOP OF SIDEWALK CONCRETE 50mm MIN. TO MATCH EXISTING GRADE ON ABUTMENT SIDE. TOP SURFACE OF SIDEWALK AND VERTICAL SURFACES OF CONCRETE PARAPET TO BE ROUGHENED AS PER SPECIFICATIONS.

PLOT DATE: 2025-05-28 9:54:01 AM
SAVE DATE: 2025-05-28 9:35:50 AM
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REV	DATE	DESIGN	DRAWN	DESCRIPTION

CITY OF COQUITLAM

BR230 MARINER WAY OVERPASS
STRUCTURAL REHABILITATION

2025-2205-01

SCALE: AS SHOWN

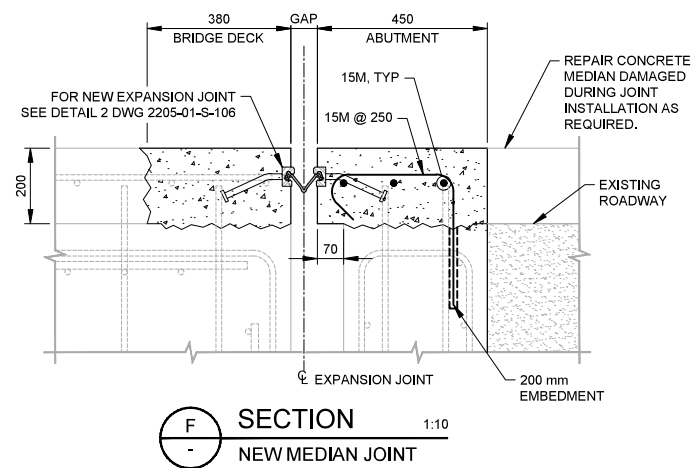
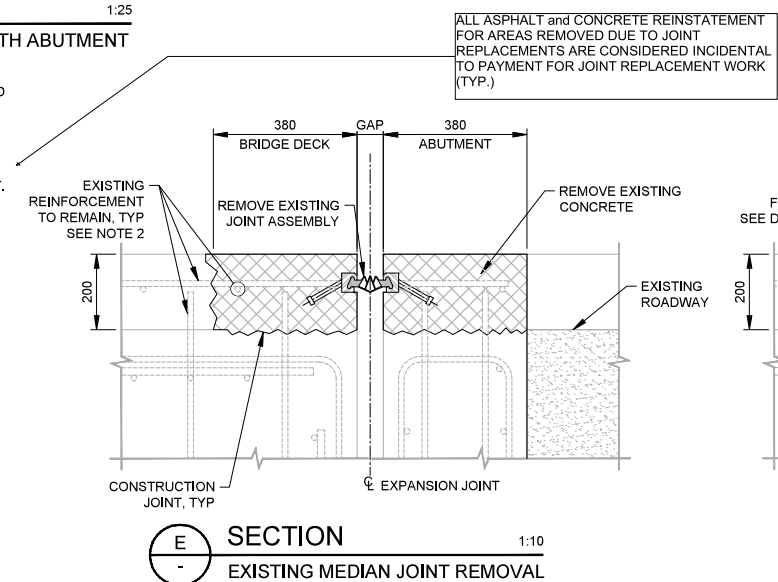
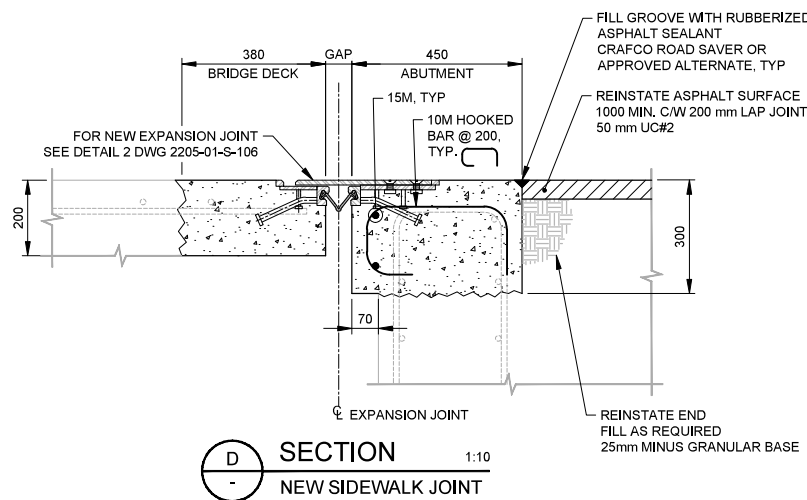
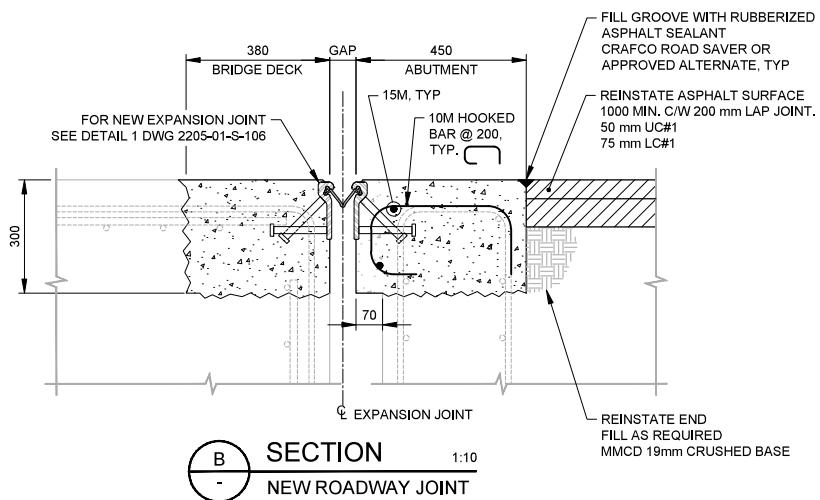
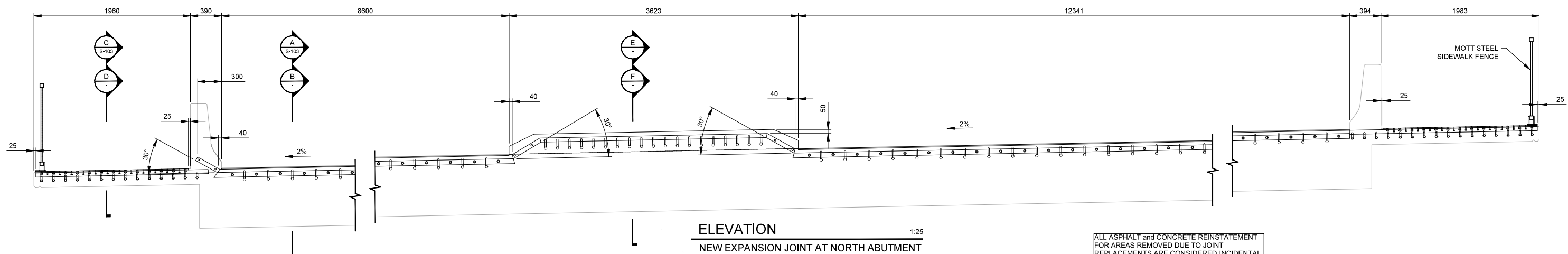
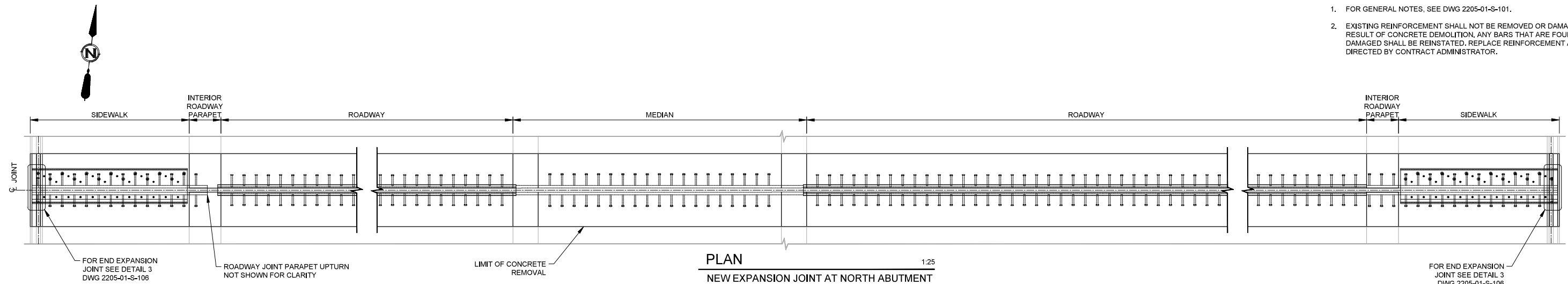
STRUCTURAL

SOUTH ABUTMENT - REPAIR DETAILS

DRAWING	REVISION	SHEET
2205-01-S-103	0	6

NOTES:

1. FOR GENERAL NOTES, SEE DWG 2205-01-S-101.
2. EXISTING REINFORCEMENT SHALL NOT BE REMOVED OR DAMAGED AS A RESULT OF CONCRETE DEMOLITION. ANY BARS THAT ARE FOUND TO BE DAMAGED SHALL BE REINSTATED. REPLACE REINFORCEMENT AS DIRECTED BY CONTRACT ADMINISTRATOR.



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0	2025-05-28	J. YANEZ ROJAS	T. JOHNSTON	ISSUED FOR TENDER
REV	DATE	DESIGN	DRAWN	DESCRIPTION

CITY OF COQUITLAM

BR230 MARINER WAY OVERPASS
STRUCTURAL REHABILITATION

2025-2205-01

SCALE: AS SHOWN

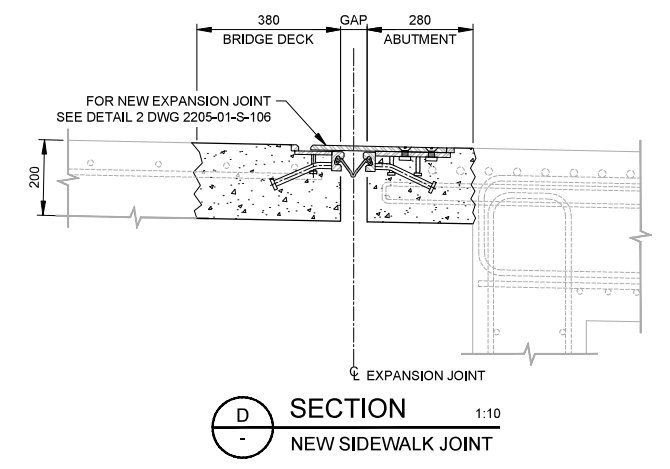
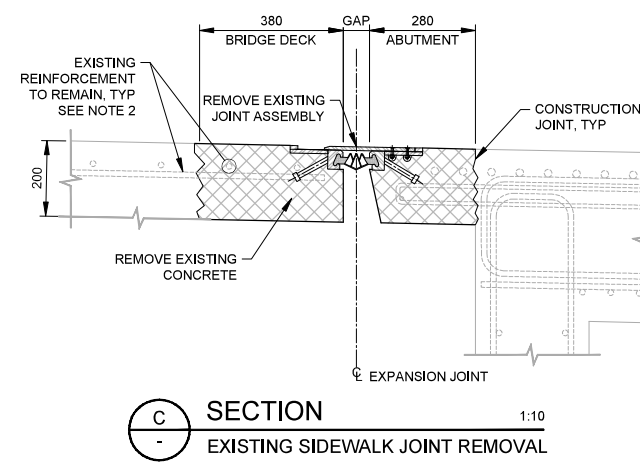
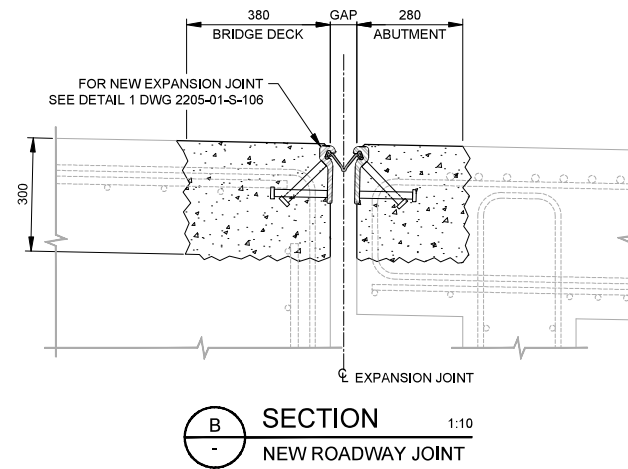
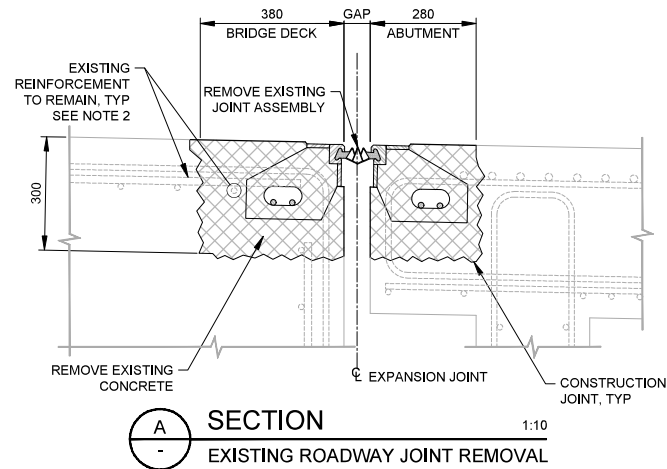
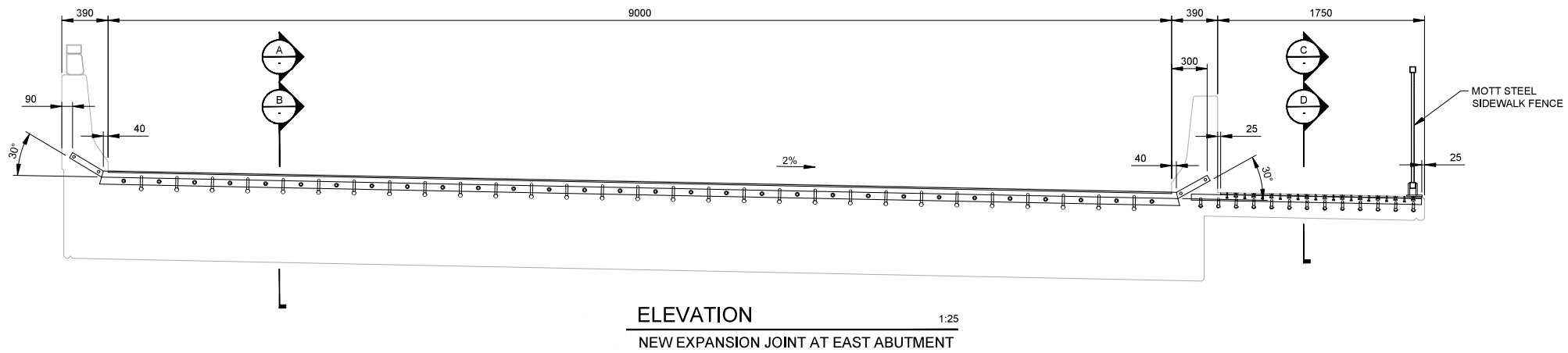
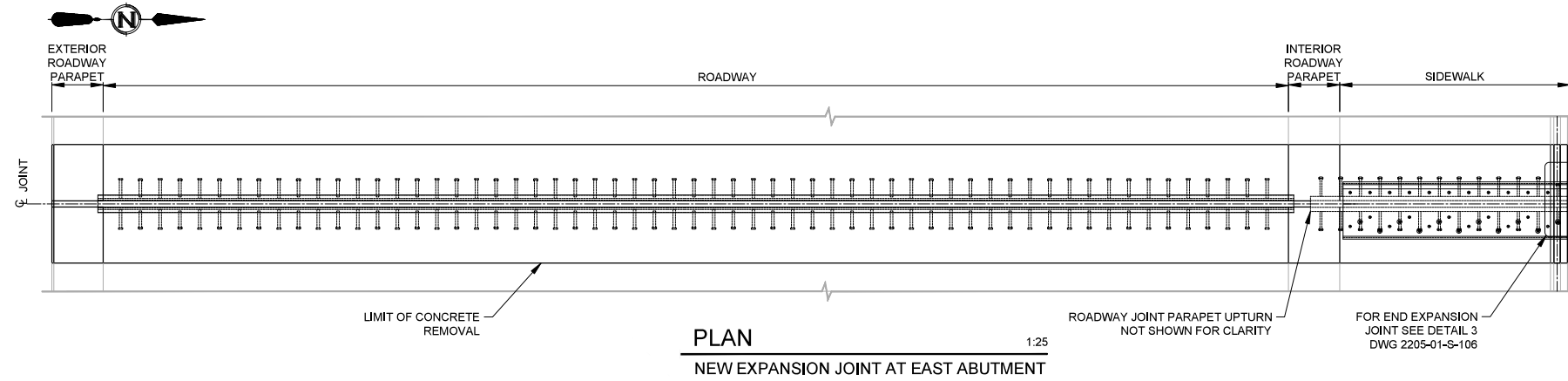
STRUCTURAL

NORTH ABUTMENT - REPAIR DETAILS

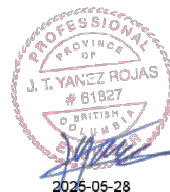
DRAWING	REVISION	SHEET
2205-01-S-104	0	7

NOTES:

1. FOR GENERAL NOTES, SEE DWG 2205-01-S-101.
2. EXISTING REINFORCEMENT SHALL NOT BE REMOVED OR DAMAGED AS A RESULT OF CONCRETE DEMOLITION, ANY BARS THAT ARE FOUND TO BE DAMAGED SHALL BE REINSTATED, REPLACE REINFORCEMENT AS DIRECTED BY CONTRACT ADMINISTRATOR.



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Engineers & Geoscientists BC

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0	2025-05-28	J. YANEZ ROJAS	T. JOHNSTON	ISSUED FOR TENDER

CITY OF COQUITLAM

BR230 MARINER WAY OVERPASS
STRUCTURAL REHABILITATION

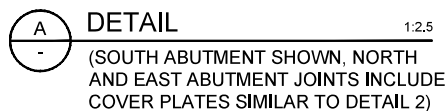
2025-2205-01

SCALE: AS SHOWN

STRUCTURAL

EAST ABUTMENT - REPAIR DETAILS

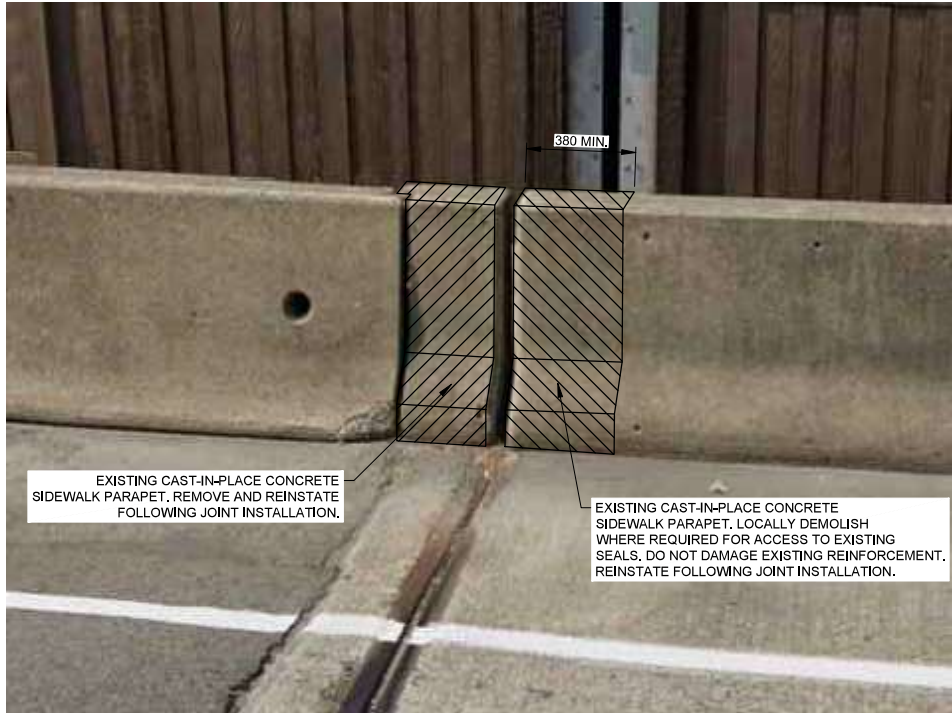
DRAWING	REVISION	SHEET
2205-01-S-105	0	8



JOINT GAP "X" SETTING DETAIL						
TEMPERATURE (°C)	0	5	10	15	20	25
"X" (mm)	76	70	63	57	51	45

NOTES:

1. FOR GENERAL NOTES, SEE DWG 2205-01-S-101.
2. JOINT TO BE INSTALLED IN TEMPERATURES BETWEEN 0°C AND 25°C. FOR INSTALLATION OUTSIDE OF THE RANGE, CONTACT CONTRACT ADMINISTRATOR.



PARAPET DEMOLITION AND REINSTATEMENT
INTERIOR PARAPET AT SOUTH ABUTMENT SHOWN
(SIMILAR AT NORTH AND EAST ABUTMENT)



STEEL FENCE ON SIDEWALK
EXPANSION JOINT AT SIDEWALK



SIDEWALK CONCRETE OVERLAY
EXPANSION JOINT AT SOUTH ABUTMENT

PLOT DATE: 2025-05-28 9:45:38 AM
SAVE DATE: 2025-05-28 9:35:50 AM
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CITY OF COQUITLAM

BR230 MARINER WAY OVERPASS
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2025-2205-01

SCALE: AS SHOWN

STRUCTURAL

PARAPET AND NOISE BARRIER DETAILS

DRAWING	REVISION	SHEET
2205-01-S-107	0	10



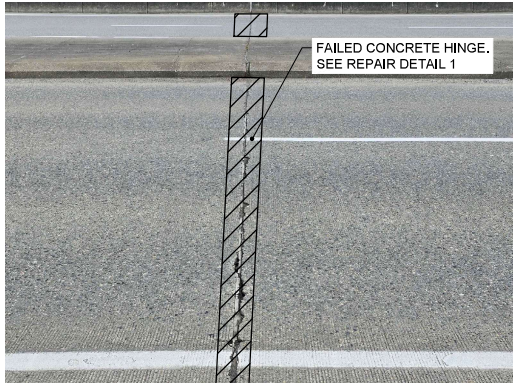
SEALANT REPLACEMENT
PARAPET AND SIDEWALK



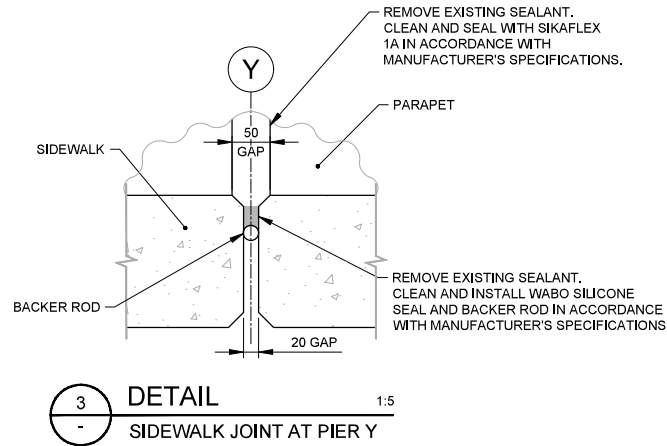
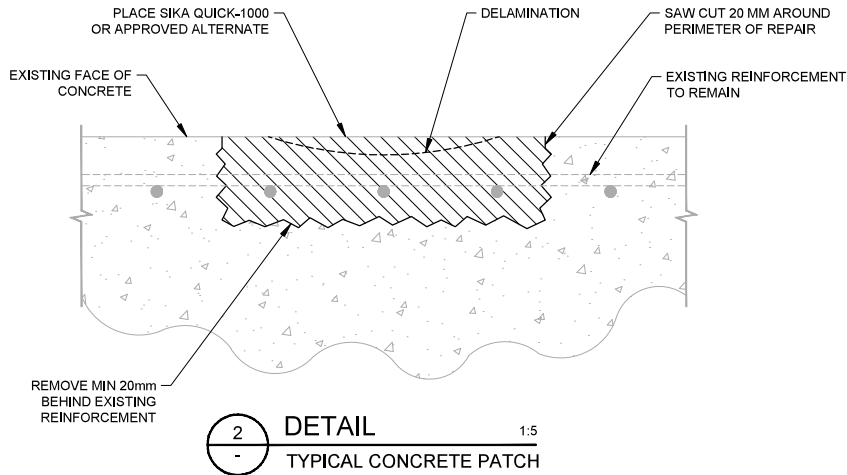
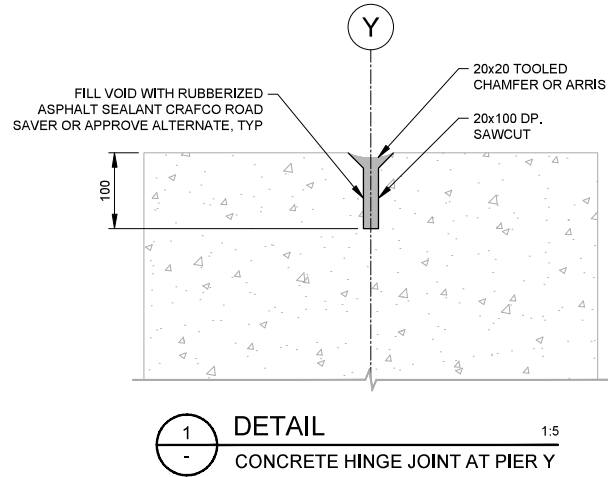
CONCRETE REPAIR
NORTH END - MEDIAN



REPLACEMENT OF BEARING KEEPER PLATES
NORTH ABUTMENT

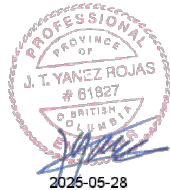


CONCRETE HINGE JOINT REPAIR
PIER Y



- NOTES:**
- FOR GENERAL NOTES, SEE DWG 2205-01-S-101.
 - REPAIR LOCATIONS SHOWN ARE INDICATIVE ONLY. CONTRACTOR AND CONTRACTOR ADMINISTRATOR TO FIELD CONFIRM LOCATIONS AND EXTENT OF REPAIR REQUIRED.

PLOT DATE: 2025-05-28 9:43:21 AM
SAVE DATE: 2025-05-28 9:35:50 AM
DWG PATH: \\na-caldata\working\jrh\2205-01\Structural\2205-01-S-108.dwg



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BR230 MARINER WAY OVERPASS
STRUCTURAL REHABILITATION

2025-2205-01

SCALE: AS SHOWN

STRUCTURAL

MISCELLANEOUS REPAIR DETAILS

DRAWING	REVISION	SHEET
2205-01-S-108	0	11

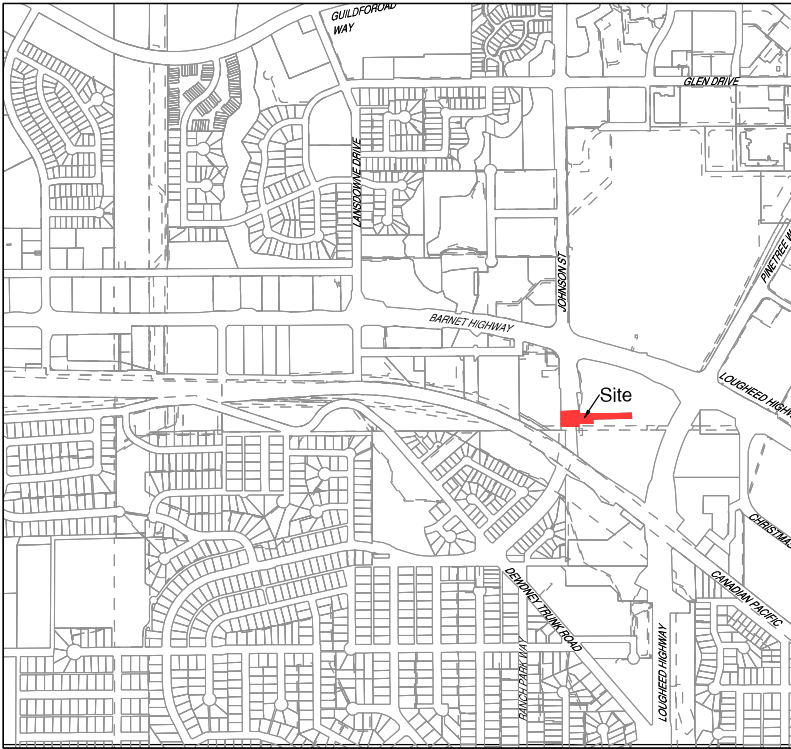
CITY OF COQUITLAM

3000 GUILDFORD WAY, COQUITLAM, BC V3B 7N2

MARINER TRANSIT RAMP IMPROVEMENTS

ISSUED FOR TENDER

LEGEND		
EXISTING	PROPOSED	DESCRIPTION
---●---	---	IRON PROPERTY PIN
▬	▬	BUILDING
▬	▬	EDGE OF PAVEMENT
▬	▬	CURB & GUTTER
▬	▬	TRUCK ROUTE
---SFM---	---SFM---	SANITARY FORCE MAIN
---C---	---C---	COMBINED SEWER
---S---	---S---	SANITARY SEWER
---●---	---●---	SANITARY CONNECTION & INSPECTION CHAMBER
---D---	---D---	STORM SEWER
---●---	---●---	STORM CONNECTION & INSPECTION CHAMBER
---	---	CATCH BASIN / LAWN BASIN LEAD
---FD---	---FD---	FRENCH DRAIN
---CO---	---CO---	STORM SEWER & CLEANOUT
▬	▬	CATCH BASIN - TOP INLET & SIDE INLET
▬	▬	LAWN DRAIN
▬	▬	CATCH BASIN MANHOLE
▬	▬	SWALE
▬	▬	DITCH
▬	▬	SIDEWALK (ASPHALT)
▬	▬	SIDEWALK (CONCRETE)
▬	▬	RETAINING WALL
▬	▬	TOP OF SLOPE
▬	▬	BOTTOM OF SLOPE
▬	▬	WATERMAIN
▬	▬	WATER SERVICE CONNECTION
▬	▬	WATER VALVE
▬	▬	AIR VALVE
▬	▬	HYDRANT & VALVE ASSEMBLY
▬	▬	YARD HYDRANT
▬	▬	CAPPED END
▬	▬	WATER METER
▬	▬	BLOW-OFF
▬	▬	TELEPHONE U/G DUCTS & MANHOLE
▬	▬	STREET LIGHT U/G DUCTS & MANHOLE
▬	▬	GAS MAIN
▬	▬	TRAFFIC SIGNAL U/G DUCTS
▬	▬	HYDRO U/G DUCTS
▬	▬	CABLE TV U/G DUCTS
▬	▬	ORNAMENTAL STREET LIGHT - DAVIT
▬	▬	ORNAMENTAL STREET LIGHT - POST TOP
▬	▬	UTILITY POLE
▬	▬	UTILITY POLE W/ LIGHT
▬	▬	JUNCTION BOX
▬	▬	GROUND ELEVATION
▬	▬	DIRECTION OF OVERLAND FLOW



SITE MAP
Scale: N.T.S.

DRAWING INDEX		
SHEET#	DRAWING TITLE	DWG #
00	COVER SHEET	24-0442-CV
01	ROADWORKS - MARINER OVERPASS	24-0442-R1
	COVER SHEET	EN024-1670-S000
	GENERAL NOTES	EN024-1670-S100
	WORKING DRAWINGS	EN024-1670-S101
	CONCRETE MEDIAN DETAILS	EN024-1670-S102
	TRAFFIC SIGNAL	8250-24-01
	TRAFFIC SIGNAL	8250-24-02



R.F. BINNIE & ASSOCIATES LTD.
300 - 4940 Canada Way,
Burnaby, BC V5G 4K6
TEL 604 420 1721
BINNIE.com

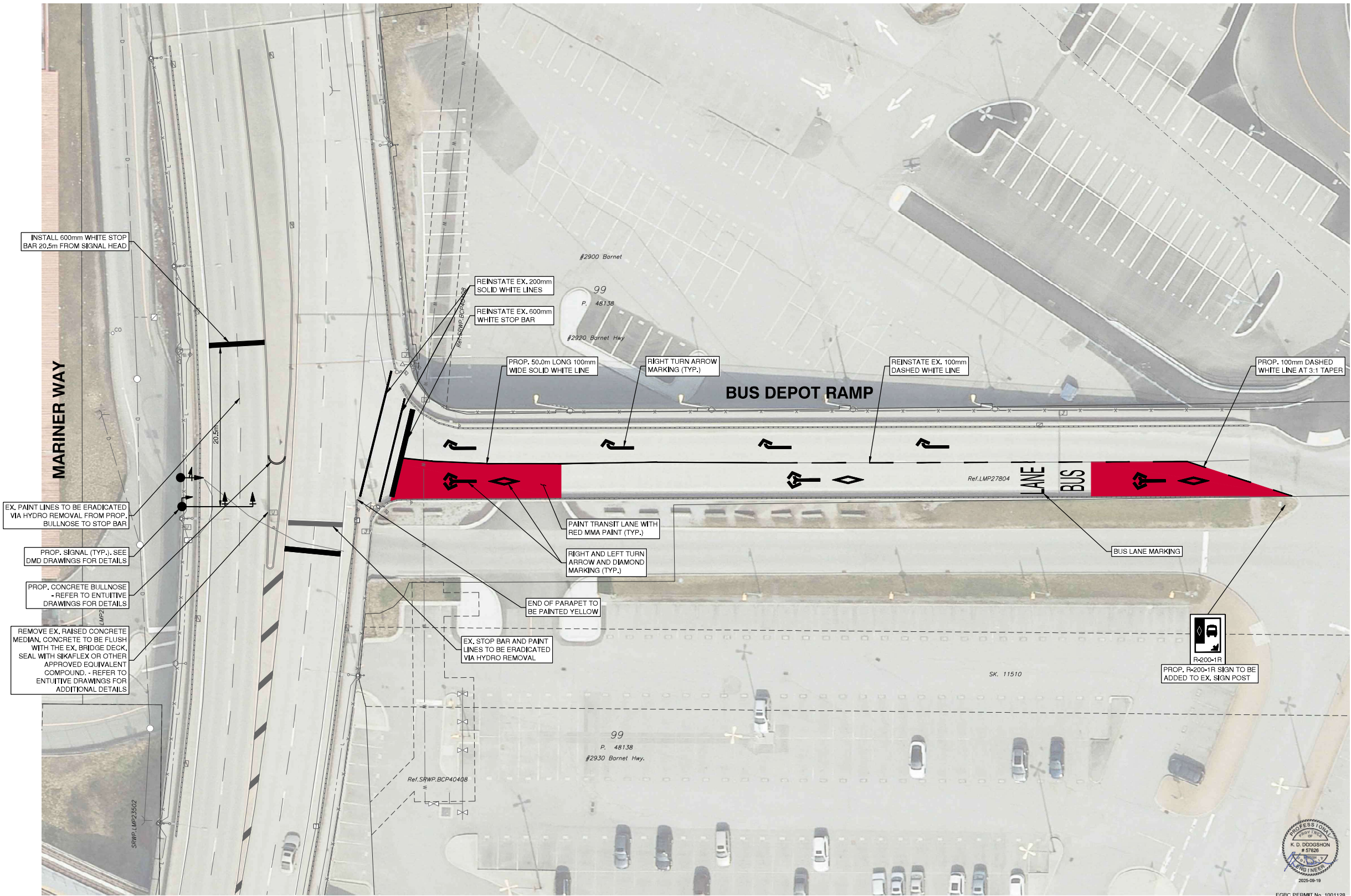
BENCHMARK:
GEODETIC ELEVATIONS ARE DERIVED FROM G.P.S
OBSERVATIONS, MARINER WAY TRANSIT RAMP
DATUM IS [CGVD28 (GVRD 2018)]

GENERAL CONSTRUCTION NOTES

- ALL MATERIALS SUPPLIED AND CONSTRUCTION PERFORMED SHALL BE IN ACCORDANCE WITH THE CITY OF COQUITLAM SUBDIVISION AND DEVELOPMENT SERVICING BYLAW No. 3558, THE 2009 MMCD PLATINUM BOOK, AND THE CURRENT COQUITLAM SUPPLEMENTARY SPECIFICATIONS AND DETAILED DRAWINGS.
 - REMOVE AND DISPOSE OF EX. AC PIPE IN ACCORDANCE WITH WORKSAFE BC AND OTHER PERTINENT REGULATIONS.
 - ALL EXCAVATION WITHIN EXISTING TREE DRIPLINES TO BE BY HAND OR HYDRO-VAC.
 - CONTRACTOR SHALL RECORD COMPLETE AND ACCURATE AS-BUILT INFORMATION ON A SET OF CURRENT CONSTRUCTION DRAWINGS DURING CONSTRUCTION AND SUBMIT THE INFORMATION TO THE CONTRACT ADMINISTRATOR (CA). AS-BUILT INFORMATION SHALL INCLUDE:
 - LIMITS OF PAVEMENT REPAIRS
 - PIPE INVERTS
 - PIPE GRADES
 - VALVE AND FITTING LOCATIONS
 - SERVICE WYE LOCATIONS
 - CONNECTIONS
 - BENDS
 - MANHOLES
 - SERVICE ELEVATIONS @ IC'S
 - PROPERTY LINE OFFSETS
 - THE LOCATIONS OF THE EXISTING UTILITIES, AS SHOWN ON THE DESIGN DRAWINGS, ARE APPROXIMATE ONLY AND THIS INFORMATION MAY NOT BE FULLY ACCURATE OR COMPLETE. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL LOCATE AND EXPOSE ALL EXISTING UTILITIES AT ALL TIE-IN POINTS, AT ALL POINTS WHERE A CONFLICT MAY ARISE DURING THE CONSTRUCTION OF THE PROPOSED WORKS, AND TO CONFIRM DESIGN ELEVATIONS. IN THE EVENT OF A CONFLICT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CONTRACT ADMINISTRATOR.
 - EXISTING UNDERGROUND UTILITY TRENCHES ADJACENT TO THE PROPOSED UNDERGROUND UTILITY INSTALLATION SHALL BE ADEQUATELY PROTECTED FROM SLOUGHING IN ORDER TO PREVENT OVER-WIDTH EXCAVATION.
 - ALL SURVEY MONUMENTS, BENCHMARKS, AND LEGAL PINS MUST BE PROTECTED AND ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR TO IDENTIFY ANY SURVEY MONUMENTS AND LEAD PLUGS THAT MAY BE DISTURBED DURING CONSTRUCTION AND ARRANGE WITH THE OWNER'S SURVEY DEPARTMENT 5 DAYS PRIOR TO CONSTRUCTION TO REFERENCE LOCATIONS BEFORE WORK COMMENCES.

ROADWORKS NOTES:

- CONTRACTOR TO ADJUST ALL CATCH BASINS, MANHOLES, VALVE COVERS, AND ALL OTHER APPURTENANCES TO SUIT FINISHED GRADES.
 - CONTRACTOR TO REMOVE AND REPLACE INDIVIDUAL DAMAGED SIDEWALK PANELS AND DAMAGED CURB AND GUTTER SECTIONS AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
 - ALL PAVEMENT MARKINGS TO BE REINSTATED IN THE PLACE OF WORK UNLESS NOTED OTHERWISE. CONTRACTOR IS RESPONSIBLE TO PERFORM PRE AND POST CONSTRUCTION SURVEY WORK FOR THE REINSTATEMENT OF PAVEMENT MARKINGS.
- REINSTATE ALL PAVEMENT MARKINGS AS PER THE LATEST VERSION OF THE M.U.T.C.D CANADA STANDARD. ALL PAVEMENT MARKINGS SHALL BE MMA PAINT.
- LOCATIONS OF DRIVEWAYS AND WHEELCHAIR RAMPS SHALL BE CONFIRMED IN THE FIELD PRIOR TO CONSTRUCTION OF CURB AND GUTTER.
 - CHANGES IN GRADE SHALL BE FORMED WITH SMOOTH CURVES.
 - CATCH BASIN R/W ELEVATIONS SHALL BE SET 30mm BELOW THE FINISHED GUTTER LINE GRADES. THE GUTTER AND ROAD SURFACE AREA TO BE SHAPED TO FORM A DISH AROUND THE INLET.
 - ALL ASPHALT JOINTS MUST BE SMOOTH AND WITHOUT VISIBLE BREAKS IN THE GRADE. THOROUGHLY COMPACTED NEAT JOINTS ARE REQUIRED. CONTRACTOR TO SUBMIT DENSITY TESTS TAKEN ON JOINTS. NO INDIVIDUAL TESTS SHALL BE LESS THAN 95% OF 75 BLOW MARSHALL DENSITY.



DRAWING LIST	
DRAWING #	DRAWING NAME
S000	COVER PAGE
S100	GENERAL NOTES
S101	WORKING DRAWINGS

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NOT FOR CONSTRUCTION

MARINER WAY TRANSIT RAMP
INTERSECTION IMPROVEMENTS

ENTUITIVE

ISSUED FOR TENDER
JANUARY 10, 2025



0	10 01 2025	ISSUED FOR TENDER	FH
MARK	DATE	REVISIONS	BY

ENTUITIVE

200 University Avenue, 7th Floor
Toronto, ON M5H 3C6 Canada
+1 416 477 5832



3000 Guildford Way, Coquitlam, B.C. V3B 7N2

PROJECT MARINER WAY			
TITLE COVER SHEET			
STATUS ISSUED FOR TENDER			
DESIGN BW	SCALE AS SHOWN	DRAWING No. S000	
DRAWN ET	DATE 10 01 2025		
CHECKED FH	PROJECT No. EN024-1670		

GENERAL NOTES

1. VERIFY ALL DIMENSIONS PRIOR TO PROCEEDING WITH THE WORK. REPORT ANY DISCREPANCIES. DO NOT SCALE THESE DRAWINGS.
2. FOR DETAILS AND DIMENSIONS NOT GIVEN ON STRUCTURAL DRAWINGS, CO-OPERATE WITH THE CONSULTANT.
3. CO-OPERATE WITH THE CONSULTANTS IN GIVING SUFFICIENT NOTIFICATION OF WHEN WORKS ARE TO PROCEED SO THAT SAMPLING CAN BE CARRIED OUT.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SAFEGUARD THE EXISTING STRUCTURES AFFECTED BY THIS CONSTRUCTION.
5. MAKE ADEQUATE PROVISIONS FOR CONSTRUCTION STRESSES, WEATHER PROTECTION AND FOR SUFFICIENT TEMPORARY BRACING AND SHORING TO KEEP THE STRUCTURE PLUMB AND LEVEL DURING ALL PHASES OF THE WORK.

CONCRETE

1. ALL CONCRETE PRODUCTION AND PLACEMENT TO CONFORM TO CSA STANDARD CAN3.A23.1-M.
 - A. ALL CONCRETE35MPa
 - B. ALL EXTERIOR CONCRETE35MPa, 5-7% AIR ENTRAINMENT
2. REINFORCING STEEL
 - A. REINFORCING STEEL SHALL BE IN ACCORDANCE WITH CSA STANDARD G30.18, GRADE 400.
 - B. CLEAR COVER TO REINFORCING:
 - a. TOP AND SIDE50mm
 - b. BOTTOM75mm
4. DO NOT PROVIDE OPENINGS IN THE CONCRETE WORK OTHER THAN THOSE INDICATED ON THE STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE ENGINEER.
5. WHERE NO LAP SPLICE TYPE IS INDICATED, PROVIDE TENSION LAP SPLICE. ALL TENSION LAP SPLICES ARE CLASS B AS PER THE CHBDC.
6. CURE CONCRETE IN ACCORDANCE WITH CSA A23.1, LATEST EDITION.
7. ENSURE REINFORCING IS CLEAN; FREE OF LOOSE SCALE, OIL, DIRT, RUST, AND ANY OTHER FOREIGN COATING THAT AFFECT BONDING CAPACITY BEFORE PLACING REBAR.

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NOT FOR CONSTRUCTION



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MARK	DATE	REVISIONS	BY

ENTUITIVE

200 University Avenue, 7th Floor
Toronto, ON M5H 3C6 Canada
+1 416 477 5832

Coquitlam

Engineering & Public Works

3000 Guildford Way, Coquitlam, B.C. V3B 7N2

PROJECT

MARINER WAY

TITLE

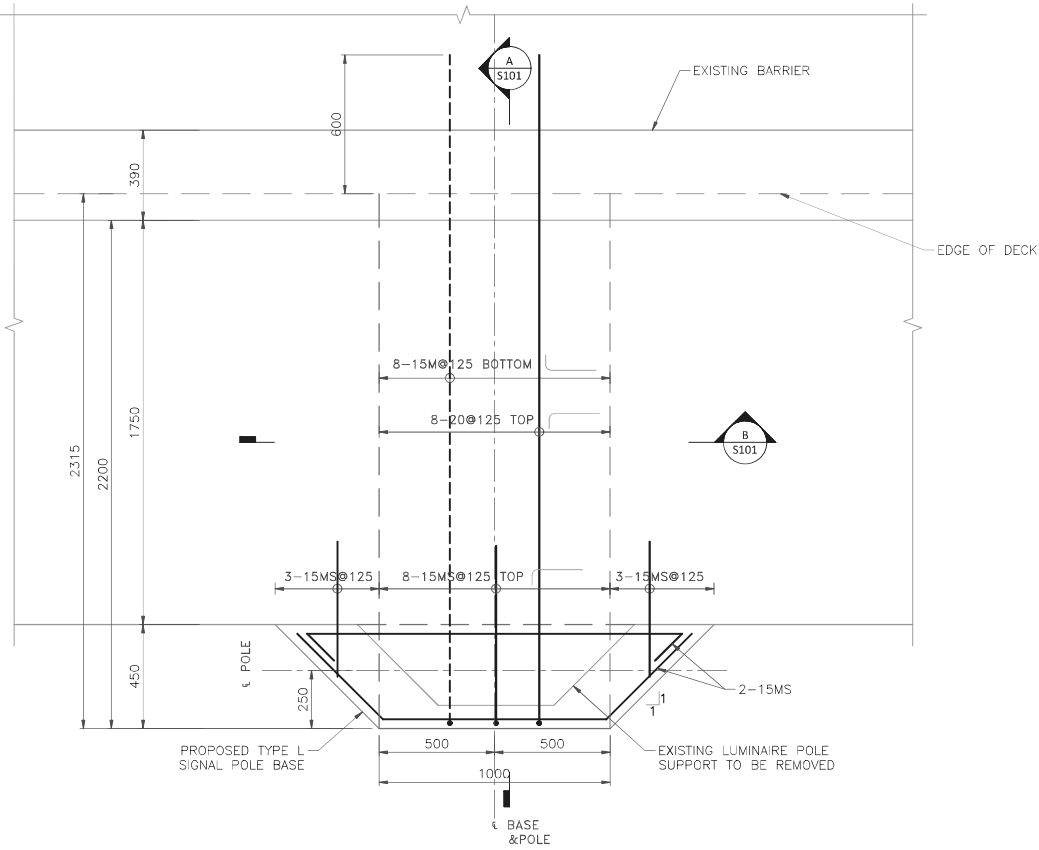
GENERAL NOTES

STATUS

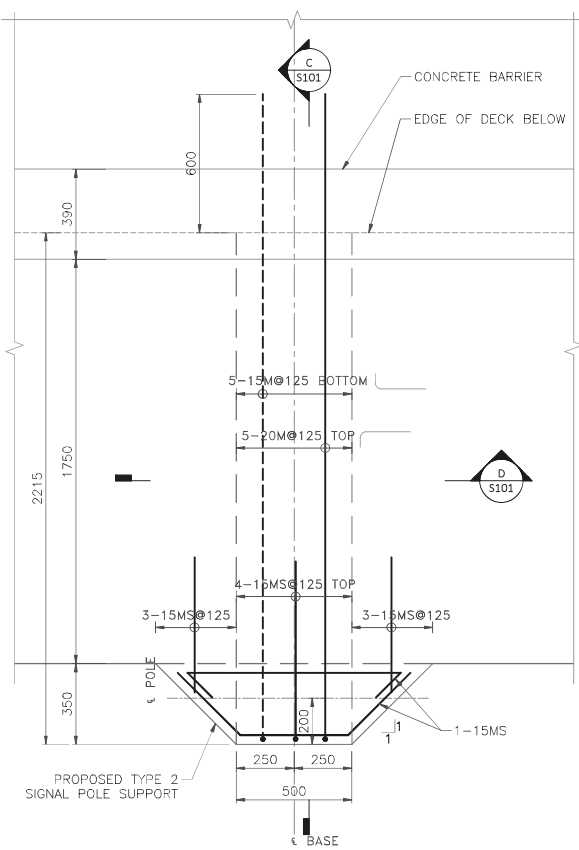
ISSUED FOR TENDER

DESIGN	BW	SCALE	AS SHOWN	DRAWING No.
DRAWN	ET	DATE	10 01 2025	
CHECKED	FH	PROJECT No.	EN024-1670	

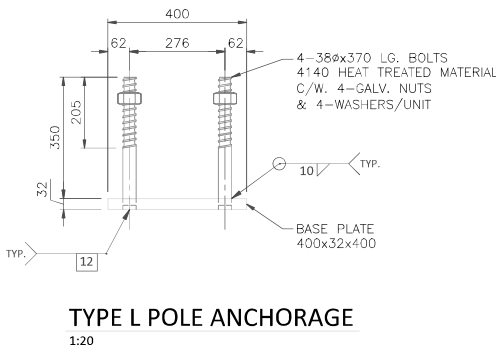
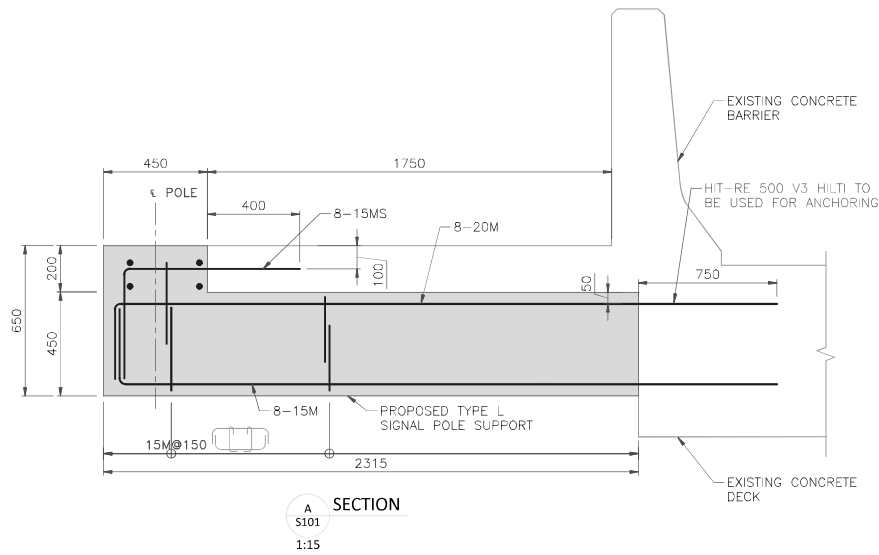
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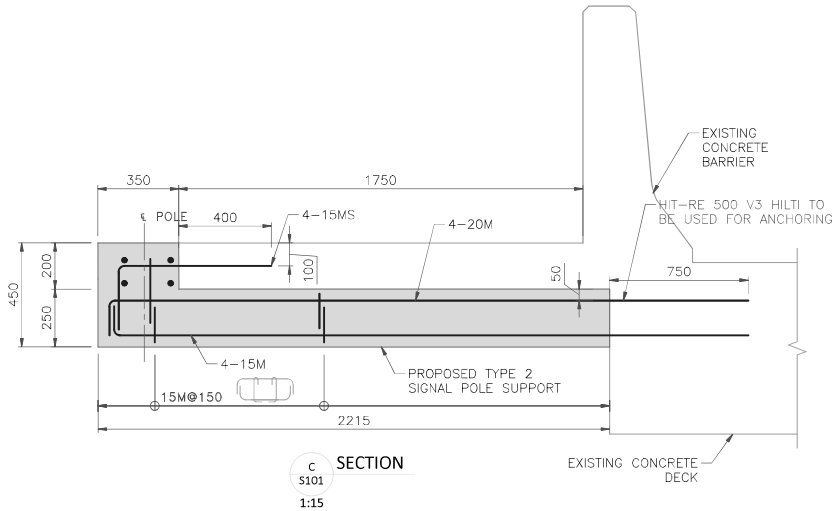
TYPE L SIGNAL/SIGN POLE BASE REINFORCEMENT PLAN
1:15



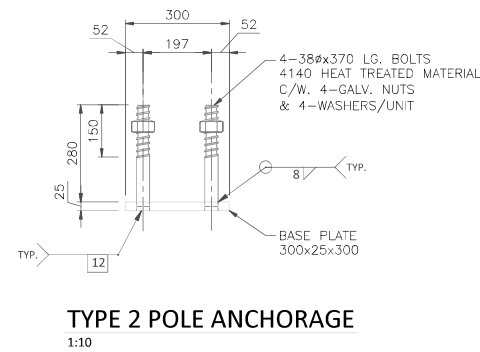
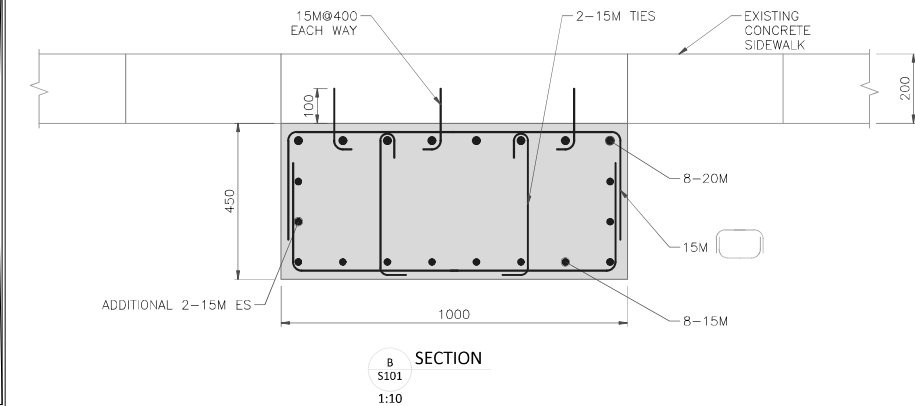
TYPE 2 SIGNAL POLE BASE REINFORCEMENT PLAN
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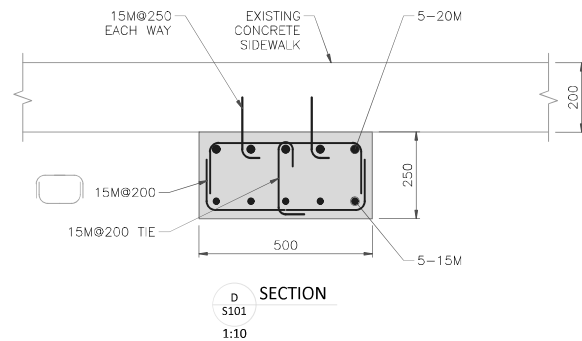
TYPE L POLE ANCHORAGE
1:20



SECTION
C
S101
1:15



TYPE 2 POLE ANCHORAGE
1:10

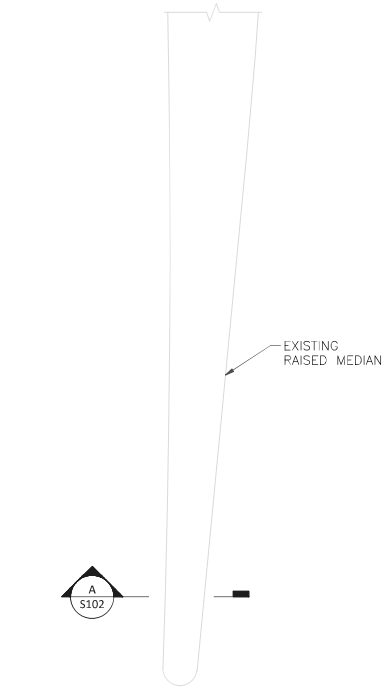


SECTION
D
S101
1:10

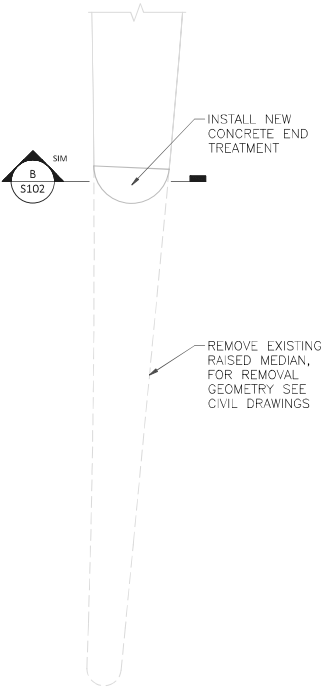
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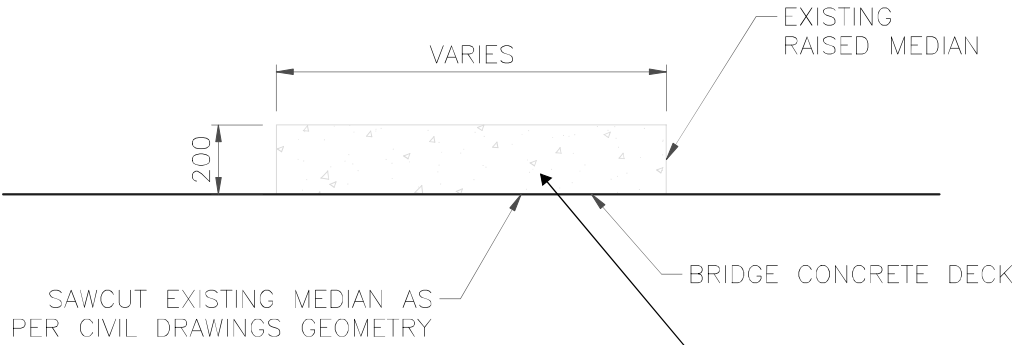
0	10 01 2025	ISSUED FOR TENDER	FH
MARK	DATE	REVISIONS	BY
ENTUITIVE			
200 University Avenue, 7th Floor Toronto, ON M5H 3C6 Canada +1 416 477 5832			
Coquitlam			
Engineering & Public Works 3000 Guildford Way, Coquitlam, B.C. V3B 7N2			
PROJECT MARINER WAY			
TITLE WORKING DRAWINGS			
STATUS ISSUED FOR TENDER			
DESIGN BW	SCALE AS SHOWN	DRAWING No.	
DRAWN ET	DATE 10 01 2025	S101	
CHECKED FH	PROJECT No. EN024-1670		



EXISTING RAISED MEDIAN PLAN
1:100

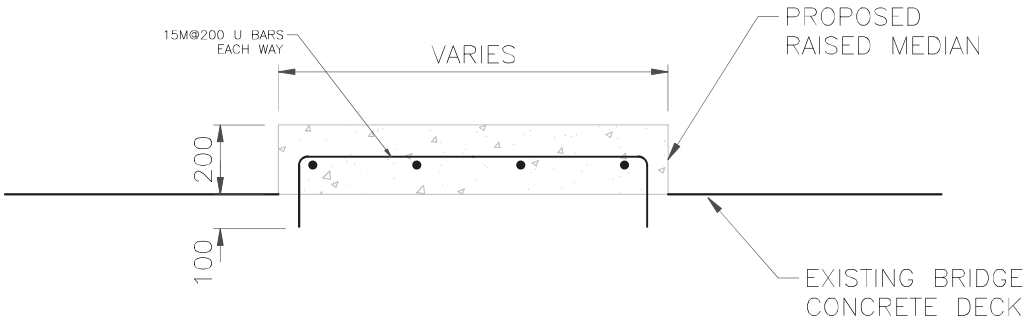


PROPOSED RAISED MEDIAN PLAN
1:100



A
S102
1:20
SECTION

EXISTING MEDIAN IS REINFORCED WITH REBAR TIED INTO BRIDGE DECK.
REFER TO APPENDIX B: AS-BUILTS (AS-BUILT NO. H0013-36) FOR EXISTING REINFORCEMENT LAYOUT.

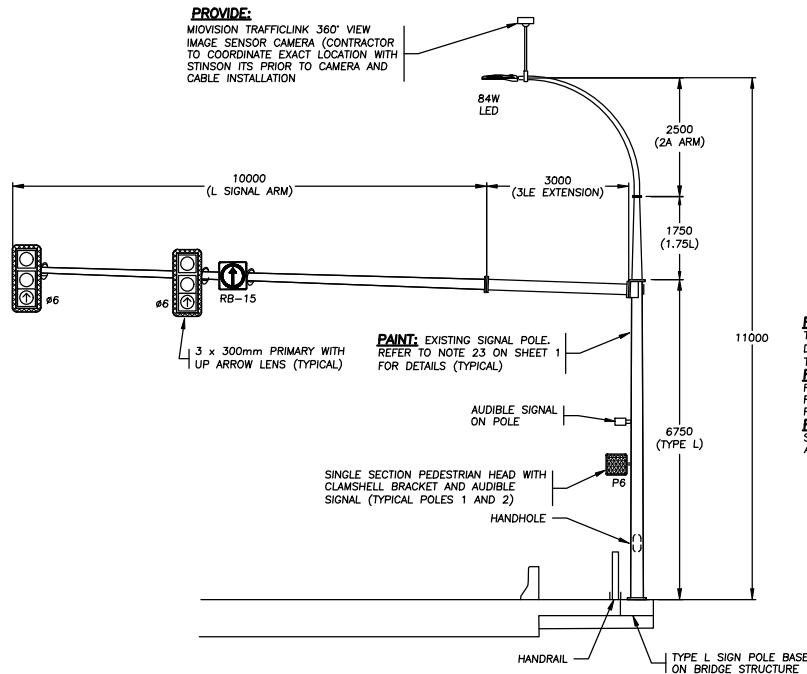


B
S102
1:20
SECTION

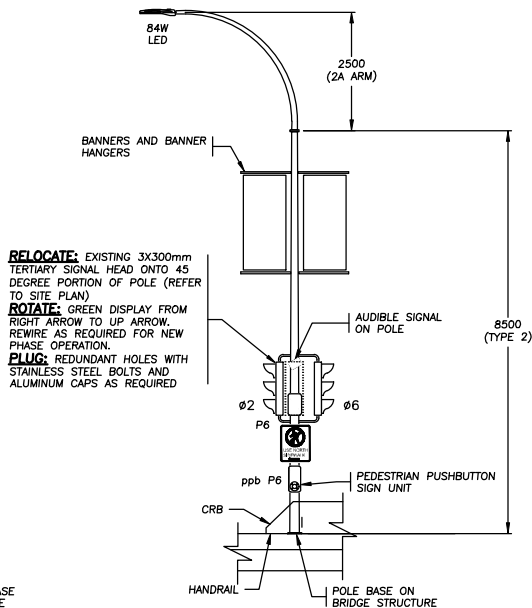
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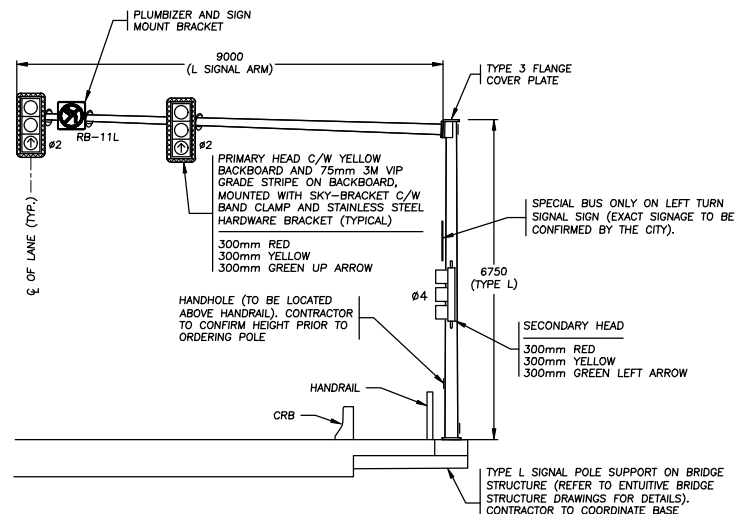
0	10 01 2025	ISSUED FOR TENDER		FH
MARK	DATE	REVISIONS		BY
ENTUITIVE				
200 University Avenue, 7th Floor Toronto, ON M5H 3C6 Canada +1 416 477 5832				
 Engineering & Public Works 3000 Guildford Way, Coquitlam, B.C. V3B 7N2				
PROJECT MARINER WAY				
TITLE CONCRETE MEDIAN DETAILS				
STATUS ISSUED FOR TENDER				
DESIGN	BW	SCALE	AS SHOWN	DRAWING No. S102
DRAWN	ET	DATE	10 01 2024	
CHECKED	FH	PROJECT No.	EN024-1670	



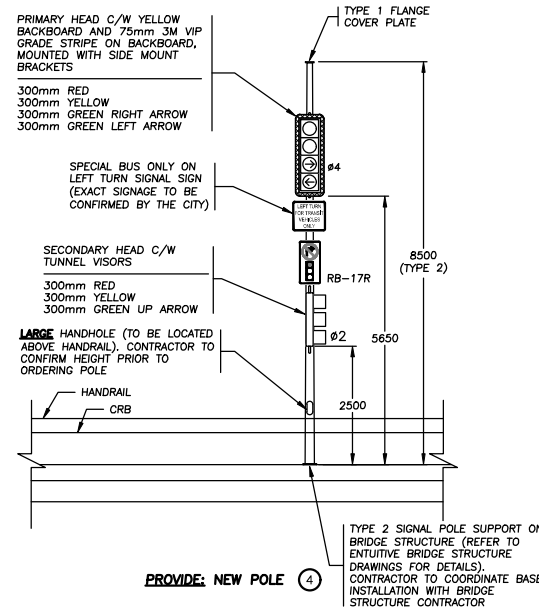
MODIFY: EXISTING POLE ①



MODIFY: EXISTING POLE ②



PROVIDE: NEW POLE ③



PROVIDE: NEW POLE ④

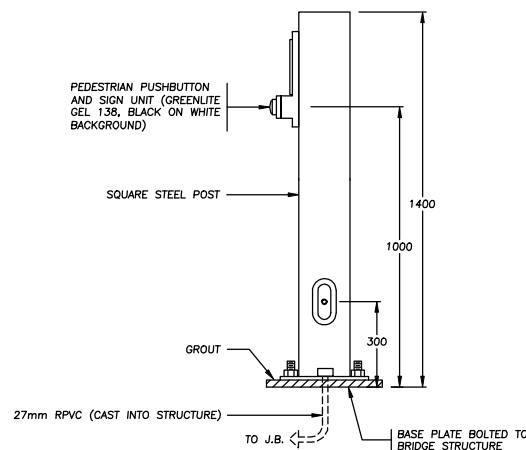
PROVIDE:
1-35mm RMC
6 No.14 RW90 SIGNALS (#2 & #4)
3 No.14 RW90 SIGNAL (#7, SPARE)
1 No.10 RW90 SIG. NEUT.
1 No.8 RW90 BOND
ATTACH CONDUIT TO UNDERSIDE OF BRIDGE TO CEC REQUIREMENTS

PROVIDE:
1-35mm RMC
6 No.14 RW90 SIGNALS (#2 & #4)
1 No.10 RW90 SIG. NEUT.
1 No.8 RW90 BOND
ATTACH CONDUIT TO UNDERSIDE OF BRIDGE TO CEC REQUIREMENTS

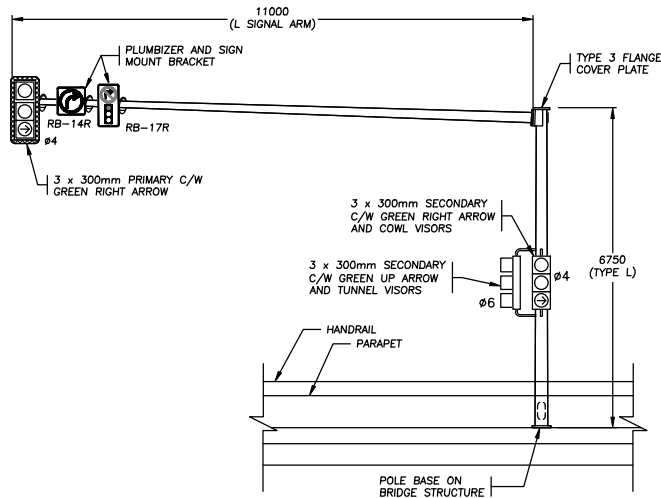


CONDUIT AND JUNCTION BOX INSTALLATION ON BRIDGE STRUCTURE
N.T.S.

NOTES
1. ALL CONDUITS AND JUNCTION BOXES ARE SHOWN DIAGRAMMATICALLY. IF THE CONTRACTOR HAS AN ALTERNATE METHOD OF INSTALLATION, THEY ARE TO PRESENT IT TO DMD AND THE CITY FOR REVIEW PRIOR TO INSTALLATION.



PEDESTRIAN PUSHBUTTON ON POST
N.T.S.



EXISTING POLE ⑤



THE CONTRACTOR SHALL COORDINATE ALL TERMINATION IN THE TRAFFIC CONTROLLER WITH THE CITY

THE CITY OF COQUITLAM SHALL BE RESPONSIBLE FOR PROGRAMMING CHANGES TO THE TRAFFIC SIGNAL. CONTRACTOR SHALL PROVIDE THE CITY 3 WEEKS NOTICE IN ADVANCE OF WORK BEING REQUIRED AT A COST BORNE BY THE CITY

CONTRACTOR SHALL OBTAIN A COPY OF THE CITY OF COQUITLAM TRAFFIC SIGNAL AND ROADWAY SUPPLEMENTAL SPECIFICATIONS PRIOR TO CONSTRUCTION.

THE CONTRACTOR SHALL RE-TAG ALL SIGNAL CONDUCTORS IN HAND HOLES, JUNCTION BOXES AND CONTROLLER TO SUIT NEW PHASING AS SHOWN ON THE SITE PLAN

REFER TO THE CITY OF COQUITLAM TRAFFIC SIGNAL APPROVED PRODUCTS LIST FOR ALL EQUIPMENT DETAILS

PLUG ALL REDUNDANT HOLES WITH STAINLESS STEEL BOLTS AND ALUMINUM CAPS PAINTED TO MATCH THE POLE

SIGNAL SHALL REMAIN OPERATIONAL 24/7 DURING CONSTRUCTION, TRAFFIC CONTROLS REQUIRED IF/WHEN SIGNALS NEED TO BE TEMPORARILY SHUT OFF

ALL EQUIPMENT IS EXISTING EXCEPT WHERE NOTED

NOT FOR CONSTRUCTION
MARCH 05, 2025



COQ. ASBUILT No.
E.

Benchmark:

Contractor to contact Telus, BC Hydro, FortisBC and BC one call prior to construction to confirm locations of utilities and appurtenances requiring adjustment.

Plot Date: March 6, 2025



DMD & Associates
Electrical Consultants Ltd.
#12-7398 104A Avenue, Surrey, BC, Canada V4N 5M3
www.dmdeng.com 604-589-0010
office@dmdeng.com Fax 604-585-0012
DMD PROJECT No. 8250-24-02 of 02

No.	Date	By	Revisions
3	2025-03-05	RAC	ISSUED FOR TENDER
2	2021-11-28	RAC	100% SUBMISSION
1	2024-09-10	RAC	90% SUBMISSION

ACCEPTED FOR CONSTRUCTION
Date: _____
Manager of Development Servicing



Engineering & Public Works
3000 Gulkildford Way, Coquitlam, B.C., V3B 7N2

PERMIT TO PRACTICE

Signature: _____
Date: _____
PERMIT NUMBER: 1000771
The Association of Professional Engineers and Geoscientists of British Columbia

Seal:



Design by RAC Date 20-06-2024
Drawn by AW Date 20-06-2024
Checked by MN Date 09-16-2024
Approved by _____ Date _____

Scale AS NOTED
Sheet 02 OF 02
Eng. Project No. _____

Project **MARINER WAY OFF RAMP AT SKYTRAIN DRIVEWAY**
Description **TRAFFIC SIGNAL**

File: 8250-24-01 & 02