



February 5, 2021

**ADDENDUM #1
NWRFP-21-04
New Westminster Pier Park Access
New Westminster, BC**

This addendum modifies the Request for Proposal only as noted:

PART 2 BUSINESS REQUIREMENTS & SCOPE OF WORK

2.0 Scope of Work

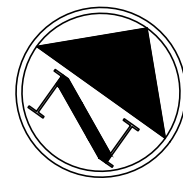
2.1 Detailed Scope of work and Drawings

Please acknowledge this addendum in your Proposal.

END OF ADDENDUM #1

Yours truly,

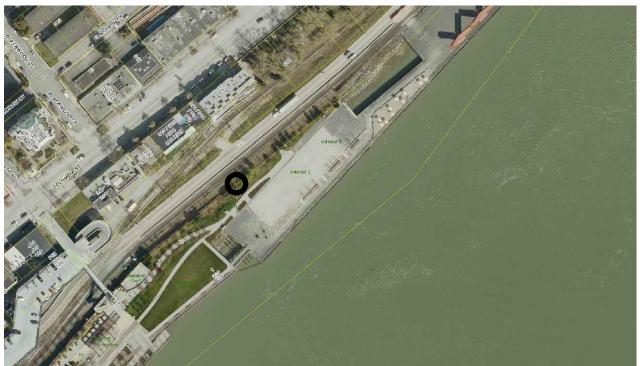
Gilbert Matembe, SCMP, PMP®
Intermediate Buyer, Purchasing
nwpurchasing@newwestcity.ca



CONTRACTOR TO VERIFY & LOCATE
EXISTING MAINS & SERVICE
CONNECTIONS & NOTIFY THE
ENGINEER OF ANY DISCREPANCIES
PRIOR TO BEGINNING CONSTRUCTION

CREUS Engineering

Civil Engineers & Project Managers
#610 EAST TOWER - 221 ESPLANADE WEST, NORTH VANCOUVER BC, V7M3J3
PH: 604-987-9070 WEBSITE: www.creus.ca



SITE MAP

DRAWING LEGEND

	EXISTING	PROP.	TO BE REMOVED
LEGAL LINE	---	---	---
EASEMENT	---	---	---
WATERMAIN	---	---	---
SANITARY	---	---	---
STORM	---	---	---
HYDRO	---	---	---
TEL	---	---	---
STREETLIGHT	---	---	---
GAS	---	---	---
FIRE HYDRANT	⊗	⊗	⊗
GATE VALVE	⊗	⊗	⊗
AIR VALVE	⊗	⊗	⊗
REDUCER	⊗	⊗	⊗
INSPECTION CHAMBER	⊗	⊗	⊗
CATCH BASIN (STD/SI)	⊗	⊗	⊗
MANHOLE	⊗	⊗	⊗
POWER POLE	⊗	⊗	⊗
STREETLIGHT	⊗	⊗	⊗

approved

client

CITY OF NEW WEST

project

WEST PIER PARK
NEW WESTMINSTER, BC

title

KEYPLAN

2	21/02/02	REVISED PER CITY COMMENTS	CBM	
1	21/01/27	ISSUED FOR REVIEW	CBM	
no.	(y/m/d)	revision	chn/d	current rev. #

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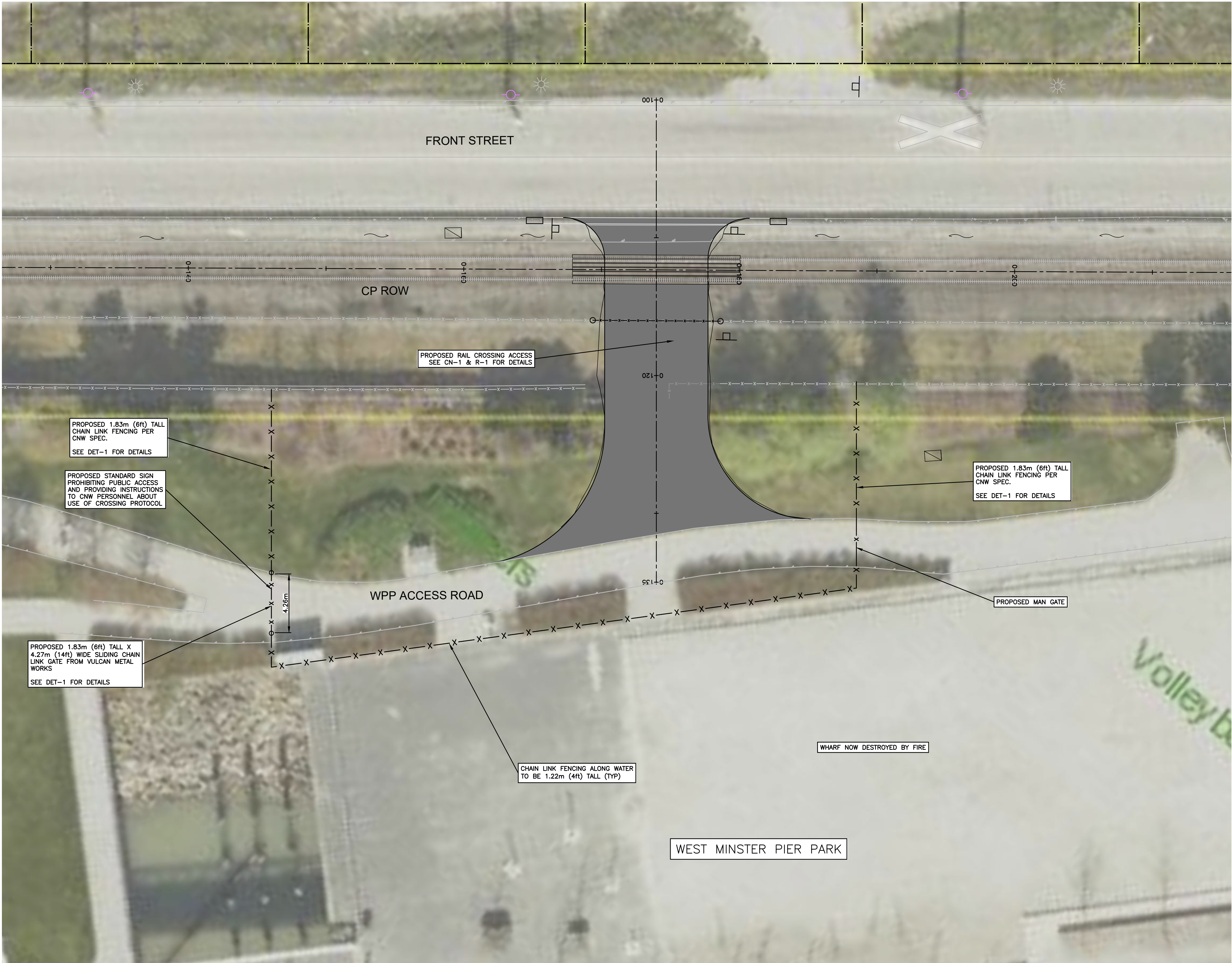
engineer of record	FMC	scales	hor: 1:150	vert: -
designed by	DJC	file no.	20317	
drawn by	CBM	drawing no.	KEY-1	
date	2021-01-07			

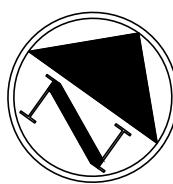
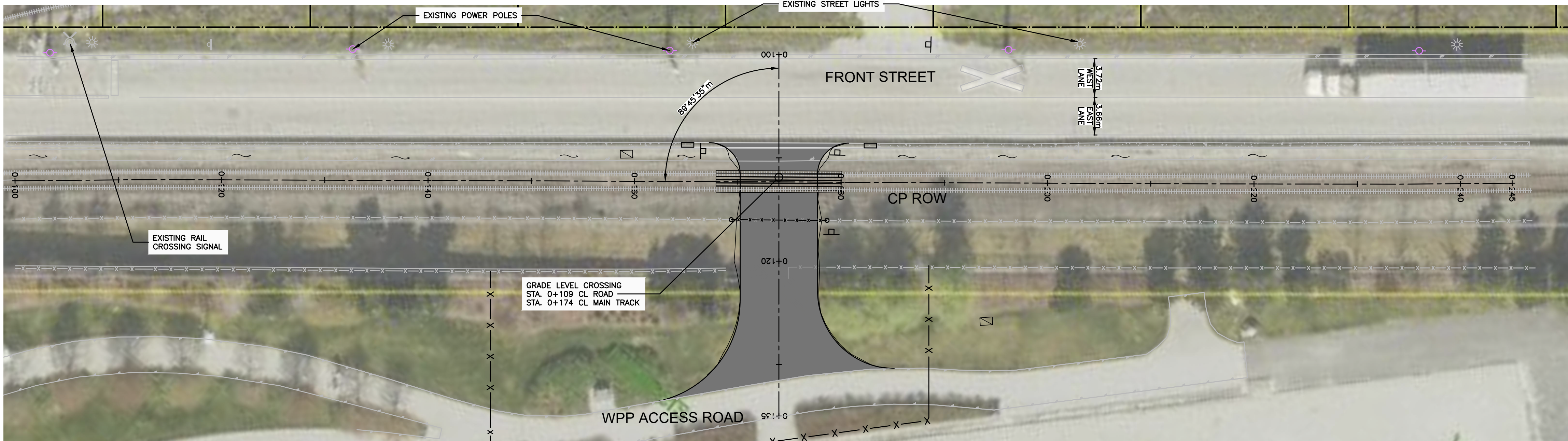
BENCHMARK INFORMATION

ELEVATIONS ARE METRIC, 2018 GVRD DATUM DERIVED FROM CITY OF NEW WESTMINSTER MONUMENT 89H6036 (ELEVATION = 3.742m)

GENERAL NOTES

- THE TERM 'ENGINEER' REFERS TO CREUS ENGINEERING LTD. THEIR CONTACT IS DANIEL CASEY AND CAN BE CONTACTED AT 604-987-9070.
- ALL CONSTRUCTION WITHIN THE PROPERTY MUST CONFORM TO THE MUNICIPAL STANDARDS, MASTER MUNICIPAL SPECIFICATIONS, CURRENT B.C. BUILDING CODE, & B.C. PLUMBING CODE.
- THE ENGINEER IS RESPONSIBLE FOR THE IMPLEMENTATION OF THE WORKS. THE CONTRACTOR MUST CONTACT THE ENGINEER FOR ALL DESIGN ENQUIRIES.
- ALL CONSTRUCTION IN CITY OF NEW WESTMINSTER RIGHT OF WAY MUST CONFORM TO THE MASTER MUNICIPAL SPECIFICATIONS AND STANDARD DRAWINGS AS MODIFIED BY THE CITY OF NEW WESTMINSTER CONSTRUCTION SPECIFICATIONS (SCHEDULE C OF BYLAW MMCD 8014) AND STANDARD DRAWINGS AS NECESSARY.
- THE CONTRACTOR SHALL ENSURE THAT ALL APPROVALS REQUIRED FOR THE PROPOSED WORK HAVE BEEN OBTAINED PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION.
- LOCATIONS OF EXISTING UNDERGROUND SERVICES HAVE BEEN DETERMINED FROM UTILITY AS-CONSTRUCTED DRAWINGS AND THIRD PARTY SURVEY. CONTRACTOR TO CONTACT BC ONE CALL AND PROVIDE COPIES TO ENGINEER AND VERIFY THE LOCATION OF ALL EXISTING SERVICES AND TO NOTIFY ENGINEER OF ANY DISCREPANCIES, CONFLICTS OR OMISSIONS PRIOR TO BEGINNING OF CONSTRUCTION.
- ONSITE SERVICING WORKS TO COMMENCE ONLY AFTER OFFSITE SERVICE CONNECTION HAS BEEN INSTALLED & VERIFIED. CONTRACTOR TO NOTIFY ENGINEER OF ANY DISCREPANCY BETWEEN ENGINEERING DRAWINGS AND EXISTING FIELD CONDITIONS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL USE EXTREME CARE WHEN WORKING NEAR EXISTING SERVICES AND ANY SERVICES DISTURBED ARE TO BE REPLACED TO THE SATISFACTION OF THE ENGINEER AND THE CITY.
- THE CONTRACTOR MUST NOTIFY THE ENGINEER 48 HOURS PRIOR TO STARTING OR RESTARTING CONSTRUCTION TO ESTABLISH AN INSPECTION SCHEDULE. THEY MUST ALSO CONTACT THE ENGINEER 48 HOURS BEFORE ANY REQUIRED INSPECTION.
- THE ENGINEER MUST NOTIFY THE CITY NOT LESS THAN 24 HOURS BEFORE WORK OUTSIDE THE PROPERTY IS STARTED, RESTARTED OR INSPECTIONS ARE REQUIRED.
- EXISTING ROADWAY NOT INCLUDED IN THESE PROPOSED WORKS SHALL BE KEPT CLEAN AND CLEAR FOR THE DURATION OF CONSTRUCTION, AND LEFT IN THE SAME CONDITION AS PRIOR TO CONSTRUCTION. SURROUNDING STREETS SHALL BE SWEEP DAILY, IF NECESSARY.
- EXISTING TREES THAT ARE TO REMAIN SHALL BE PROTECTED BY WAY OF A SOLID FENCE ERECTED OUTSIDE THE DRIPLINE OF THE TREE.
- TRAFFIC CONTROL PER APPROVED TRAFFIC MANAGEMENT PLAN & THE MINISTRY OF TRANSPORTATION 'TRAFFIC MANUAL FOR WORK ON ROADWAYS/TRANSPORTATION ASSOCIATION OF CANADA 'MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES'. CONTRACTOR TO INFORM ENGINEER AND CITY OF NEW WEST IMMEDIATELY OF ANY FORESEEN OR UNFORESEEN CHANGES TO THE SCHEDULE.
- THE CONTRACTOR TO PREPARE AS-BUILT DRAWINGS AND PROVIDE THEM TO THE ENGINEER. AN ENGINEER SHALL PROVIDE CERTIFIED AS-BUILT RECORD INFORMATION TO THE CITY OF NEW WEST ENGINEERING, PARKS AND ENVIRONMENT DEPARTMENT.
- THE CONTRACTOR IS RESPONSIBLE TO OBSERVE ALL GUIDELINES AND TAKE ALL NECESSARY MEASURES TO PROTECT THE NATURAL ENVIRONMENT SUCH AS PREVENTING PARTICULATE MATTER OF ANY ORIGIN FROM ENTERING THE STORM WATER SYSTEM.
- THE CONTRACTOR WILL CONSTRUCT ALL WORKS TO THE SATISFACTION OF THE INSPECTORS FROM THE ENGINEER AND THE REGULATORY AUTHORITY. ELECTRICAL WORKS, IF APPLICABLE TO ALSO BE UNDER PERMIT WITH BC ELECTRICAL SAFETY BRANCH WITH A COPY OF PERMIT AND SIGN OFF TO BE FORWARDED TO THE ENGINEER BY THE CONTRACTOR. CONTRACTOR TO GIVE MINIMUM 48 HOURS NOTICE TO RELEVANT INSPECTOR TO ALLOW FOR INSPECTION ON WORKS AND UPDATE ENGINEER ON SAME.
- THE CONTRACTOR WILL PERFORM AT HIS OWN COST ALL TESTING REQUIRED BY THE REGULATORY AUTHORITY, MMCD AND THE ENGINEER. TESTING SHALL BE DONE BY AN INDEPENDENT SPECIALTY TESTING FIRM. CONTRACTOR TO GIVE ENGINEER 48 HOURS' NOTICE ON ALL TESTING. COPIES OF TESTS TO BE FORWARDED DIRECTLY BY THE TESTING FIRM TO ENGINEER AND GEOTECHNICAL ENGINEER BY EMAIL.
- VEHICULAR ACCESS TO EXISTING DWELLINGS AND BUSINESS' TO BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF THE CONTRACT.
- RESIDENTS AND BUSINESSES DIRECTLY AFFECTED BY CONSTRUCTION OF THIS PROJECT SHALL BE GIVEN 48 HOURS WRITTEN NOTICE OF THE PROPOSED START OF CONSTRUCTION. IF CONSTRUCTION ENTERS ONTO PRIVATE PROPERTY, THE CONTRACTOR OR DEVELOPER'S AGENT WILL REQUIRE WRITTEN AUTHORIZATION FROM THE PRIVATE PROPERTY OWNER. ENGINEER TO BE FORWARDED COPY OF AUTHORIZATION.
- RETAINING DESIGNATED TREES IS OF PRIME IMPORTANCE. WHEN WORKING IN PROXIMITY TO A DESIGNATED TREE OR WHEN ROOTS ARE ENCOUNTERED, THE CONTRACTOR SHALL CONSULT A CERTIFIED ARBORIST BEFORE PROCEEDING TO PREVENT DAMAGE TO TREES.
- THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO ENSURE THAT NO SILT IS DISCHARGED TO THE STORM DRAINAGE SYSTEM, ROADWAYS OR ADJACENT PROPERTIES DURING THE COURSE OF CONSTRUCTION IN ACCORDANCE WITH DFO/MOELP'S 'LAND DEVELOPMENT GUIDELINES FOR THE PROTECTION OF AQUATIC HABITAT'. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL & MAINTAIN ALL EROSION & SEDIMENT CONTROL WORKS.
- CONTRACTOR TO NOTIFY ENGINEER IMMEDIATELY SHOULD SITE CONDITIONS BECOME ALTERED FROM EXPECTATION.
- SEE LANDSCAPE DRAWINGS FOR PLANTING, SOFTSCAPE AND DECORATIVE PAVEMENT DETAILS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE THEY ARE WORKING FROM THE MOST UP TO DATE DESIGN PACKAGE INCLUDING DRAWINGS AND REPORTS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT CURRENT RELEVANT COPIES OF ALL DRAWINGS AND CONTRACT DOCUMENTS ARE FORWARDED TO SURVEYORS, TESTING AGENCIES, SUBCONTRACTORS, SUPERINTENDENTS, ESTIMATORS, PROJECT MANAGERS, SITE STAFF AND ANY OTHER RELEVANT PARTIES.
- SUB-CONTRACTORS SHALL NOT COMMUNICATE WITH THE ENGINEERS OR OWNER DIRECTLY ON ANY CONTRACTUAL OR TECHNICAL ISSUE. THEY SHALL DIRECT THEIR ISSUES TO THE CONTRACTOR DIRECTLY WHOSE RESPONSIBILITY IT TO DEAL WITH THESE ISSUES ON THEIR BEHALF WITH THE ENGINEER. REVIEW AND APPROVAL OF ANY CONTRACTUAL MATTER INCLUDING PROGRESS PAYMENT, CHANGE ORDER, PAYMENT OF HOLDBACK, FINAL PAYMENT, INSURANCE AND WARRANTY, ETC. SHALL DIRECTED TO THE ENGINEER. CONTRACTOR MUST ONLY TAKE DIRECTION FROM THE ENGINEER IN REGARDS TO CHANGES TO DESIGN OR EXTRA WORKS.
- UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS OR NOTIFIED TO THE CONTRACTOR BY THE ENGINEER, THE CONTRACTOR IS THE 'PRIME CONTRACTOR' FOR THE PURPOSE OF ALL APPLICABLE LAWS RELATIVE TO OCCUPATIONAL HEALTH AND SAFETY, INCLUDING THE DISCHARGE OF ALL DUTIES OF THE 'PRIME CONTRACTOR' UNDER THE WORKERS COMPENSATION ACT (BRITISH COLUMBIA), NOTWITHSTANDING THAT THE ENGINEER, THE OWNER OR ANOTHER CONTRACTOR MAY PROVIDE FROM TIME TO TIME SOME OF THE SERVICES NORMALLY PROVIDED BY SUCH 'PRIME CONTRACTOR'. IN THIS SECTION 'PRIME CONTRACTOR' MEANS THE CONTRACTOR SO DEFINED UNDER THE WORKERS COMPENSATION ACT (BRITISH COLUMBIA).





CONTRACTOR TO VERIFY & LOCATE EXISTING MAINS & SERVICE CONNECTIONS & NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO BEGINNING CONSTRUCTION

GENERAL NOTES

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED
2. ELEVATIONS ARE METRIC, 2018 GVD DATUM DERIVED FROM CITY OF NEW WESTMINSTER MONUMENT 89H6036 (ELEVATION = 3.742m)
3. CONSTRUCTION AND SITE LINE CLEARING TO BE IN ACCORDANCE WITH TRANSPORT CANADA GRADE CROSSING STANDARDS AND GRADE CROSSING REGULATIONS
4. ALL UNDERGROUND UTILITY LOCATIONS TO BE PROTECTED AS PER TC-E10 FOR RAILWAY LOADING AND OVERHEAD UTILITIES AS PER G.O. E-11

RAILWAY DESIGN INFO (TO BE CONFIRMED BY CP):

1. AVERAGE NUMBER OF TRAINS PER DAY: XX
2. FREIGHT DESIGN SPEED: XXMPH
3. PASSENGER DESIGN SPEED: XXMPH

EXISTING CROSSING PROTECTION: N/A
4. NUMBER OF TRACKS AT CROSSING: 1

ROADWAY DESIGN INFO

1. NUMBER OF LANES: 1

ROAD CLASSIFICATION: SERVICE ACCESS
2. AADT: XX VEHICLES/DAY

3. ROAD SURFACE: ASPHALT

4. ROAD SPEED

- 4.1. DESIGN SPEED: XXXM/HR
- 4.2. POSTED SPEED: XXXM/HR

DESIGN VEHICLE: R-1 CNW FIRETRUCK (LENGTH 10.16m)

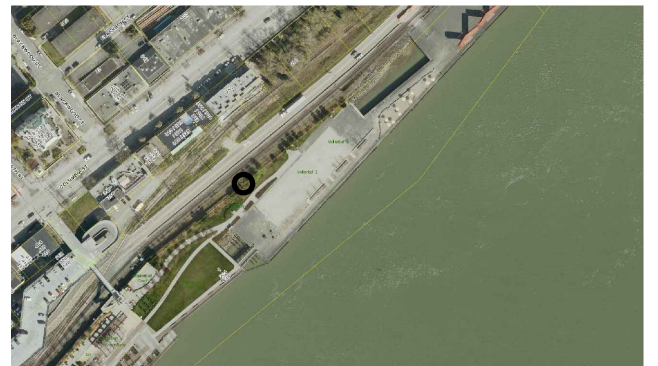
CROSSING DESIGN INFO

1. PROPOSED CROSSING SURFACE: ASPHALT
2. PROPOSED CROSSING DIMENSIONS: 7.5m WIDE
3. PROPOSED CROSSING PROTECTION: N/A

CREUS Engineering

Civil Engineers & Project Managers

#610 EAST TOWER - 221 ESPLANADE WEST, NORTH VANCOUVER BC, V7M3J3
PH: 604-987-9070 WEBSITE: www.creus.ca



SITE MAP

DRAWING LEGEND

	EXISTING	PROP.	TO BE REMOVED
LEGAL LINE	---	---	---
EASEMENT	---	---	---
WATERMAIN	---	---	---
SANITARY	---	---	---
STORM	---	---	---
HYDRO	---	---	---
TEL	---	---	---
STREETLIGHT	---	---	---
GAS	---	---	---
FIRE HYDRANT	⊗	⊗	⊗
GATE VALVE	⊗	⊗	⊗
AIR VALVE	⊗	⊗	⊗
REDUCER	⊗	⊗	⊗
INSPECTION CHAMBER	⊗	⊗	⊗
CATCH BASIN (STD/SI)	⊗	⊗	⊗
CAP	⊗	⊗	⊗
MANHOLE	⊗	⊗	⊗
POWER POLE	⊗	⊗	⊗
STREETLIGHT	⊗	⊗	⊗

approved

client

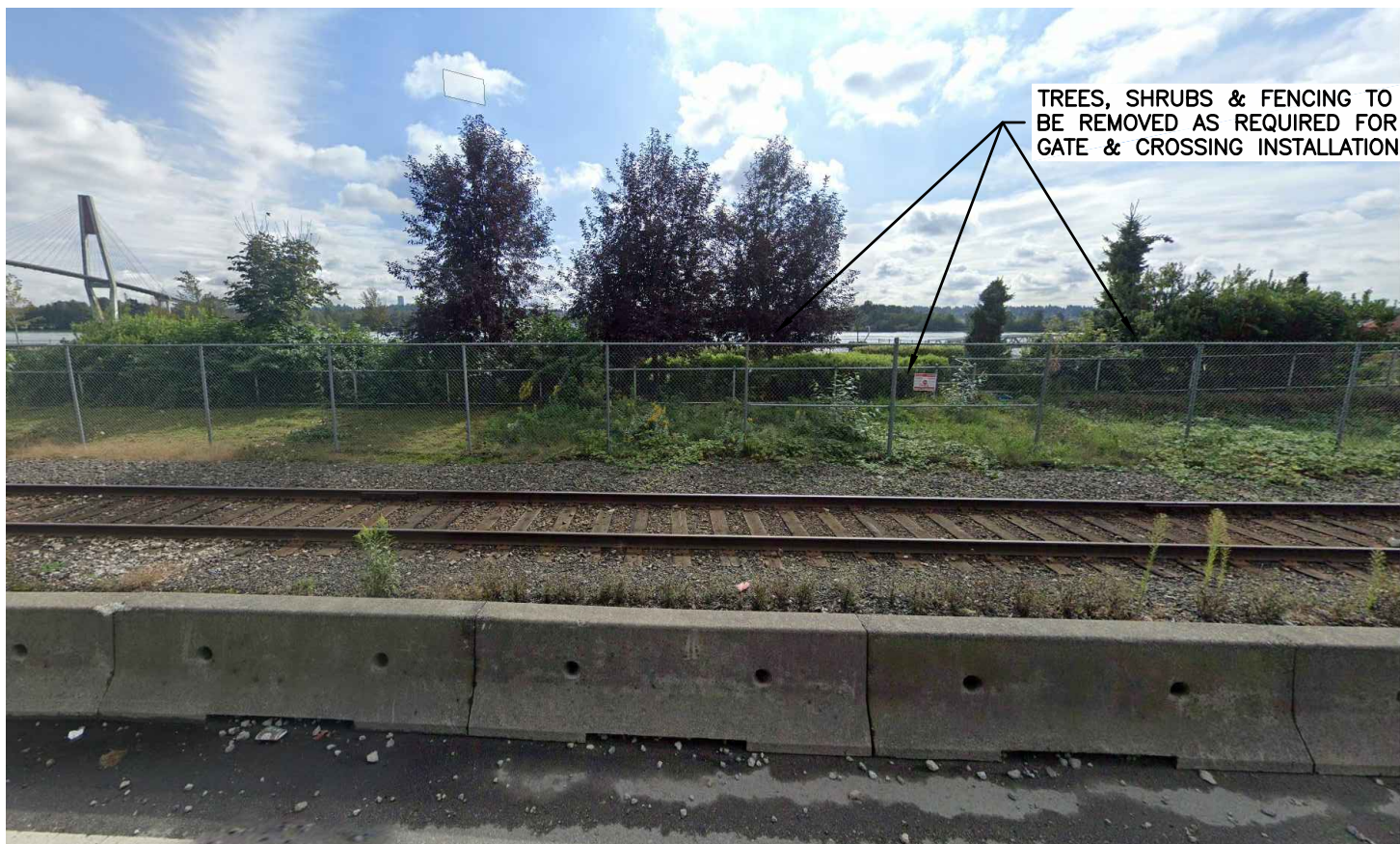
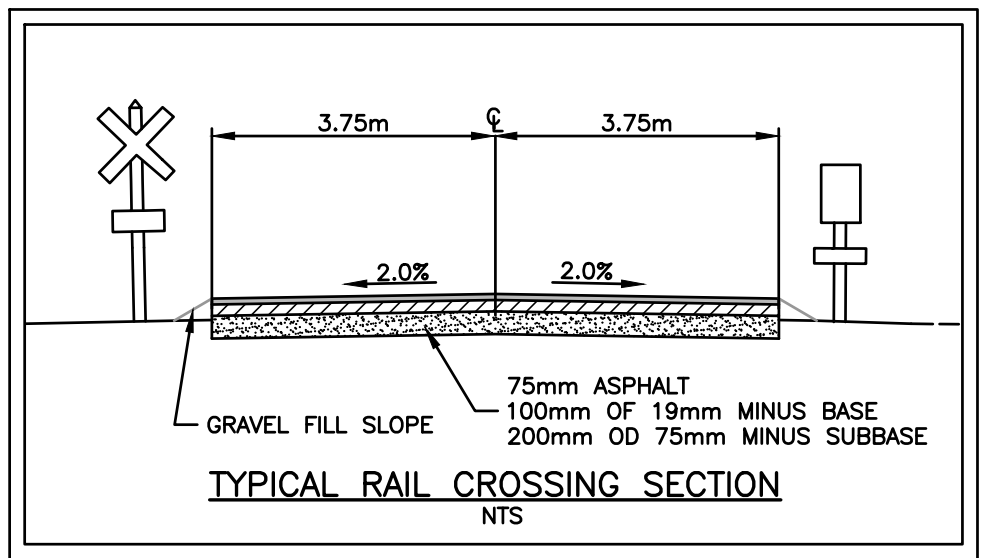
CITY OF NEW WEST

project

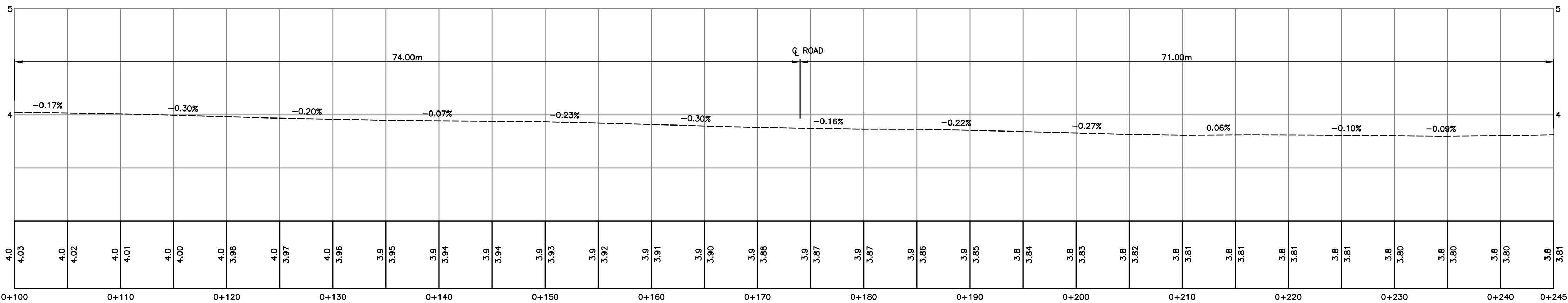
WEST PIER PARK
NEW WESTMINSTER, BC

title

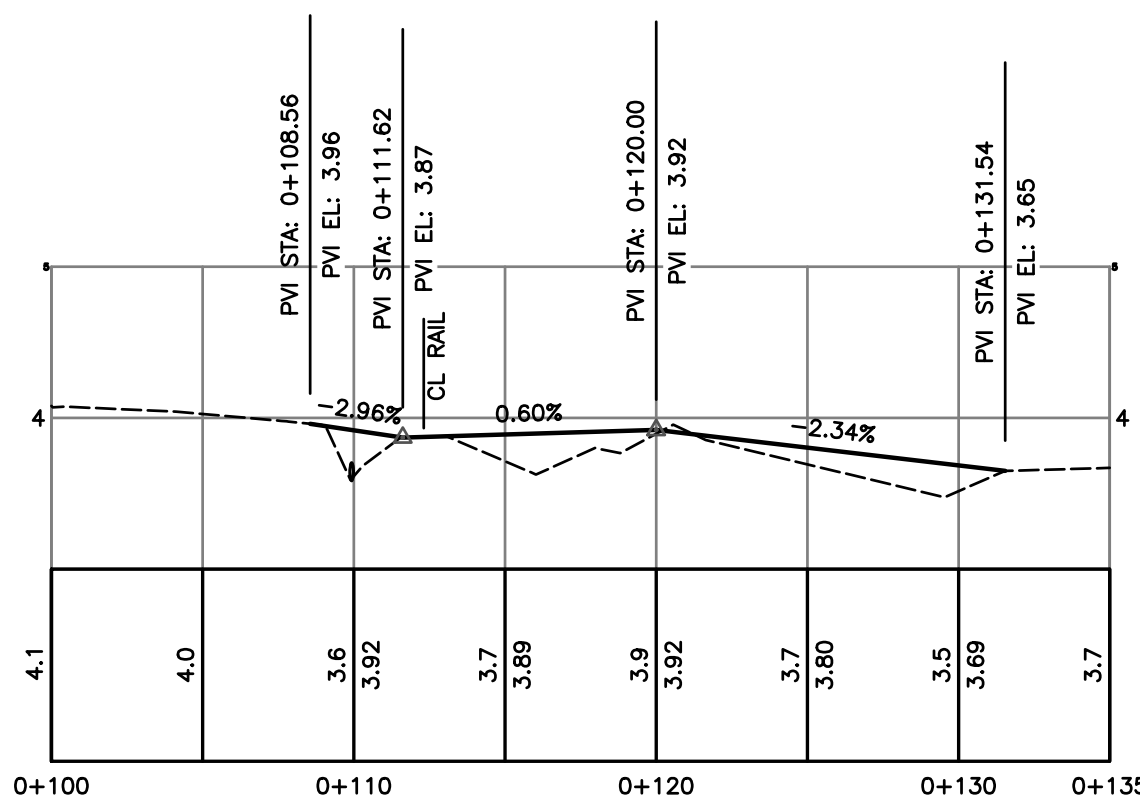
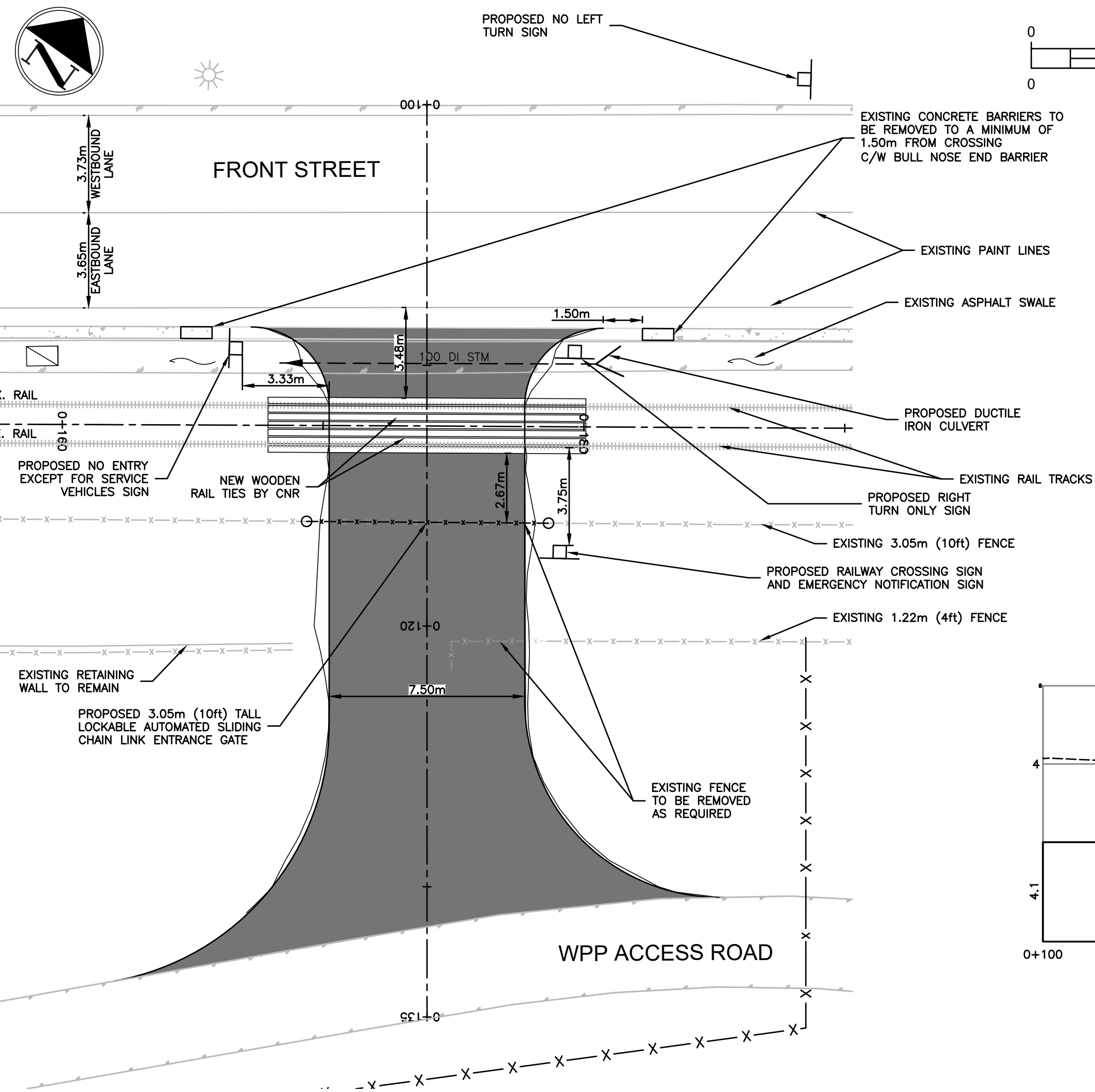
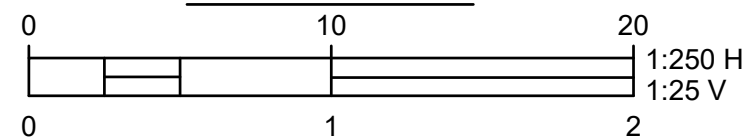
RAIL CROSSING
SITE PLAN



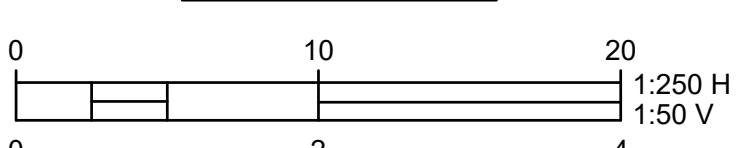
PROPOSED CROSSING
(FACING SOUTH-EAST)



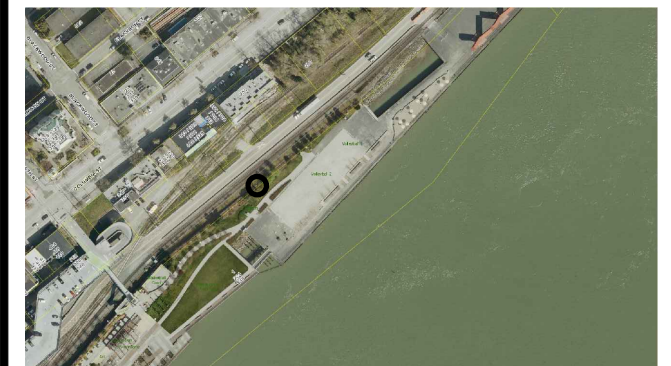
RAIL PROFILE



ROAD PROFILE



2	21/02/02	REVISED PER CITY COMMENTS	CBM
1	21/01/27	ISSUED FOR REVIEW	CBM
no.	(y/m/d)	revision	chx/d
engineer of record	FMC	scales	hor: - vert: -
designed by	DJC	file no.	20317
drawn by	CBM	drawing no.	CN-1
date	2021-01-07		



SITE MAP

DRAWING LEGEND

	EXISTING	PROP.	TO BE REMOVED
LEGAL LINE	---	---	---
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FIRE HYDRANT	⊗	⊗	⊗
GATE VALVE	⊗	⊗	⊗
AIR VALVE	⊗	⊗	⊗
REDUCER	⊗	⊗	⊗
INSPECTION CHAMBER	⊗	⊗	⊗
CATCHBASIN (STD/SI)	⊗	⊗	⊗
CAP	⊗	⊗	⊗
MANHOLE	⊗	⊗	⊗
POWER POLE	⊗	⊗	⊗
STREETLIGHT	⊗	⊗	⊗

approved

client

CITY OF NEW WEST

project

WEST PIER PARK
NEW WESTMINSTER, BC

title

RAIL CROSSING
GEOMETRICS

no.	(y/m/d)	revision	current rev. #
3	21/02/02	REVISED PER CITY COMMENTS	CBM
2	21/01/27	ISSUED FOR REVIEW	CBM
1	21/01/08	ISSUED FOR REVIEW	CBM

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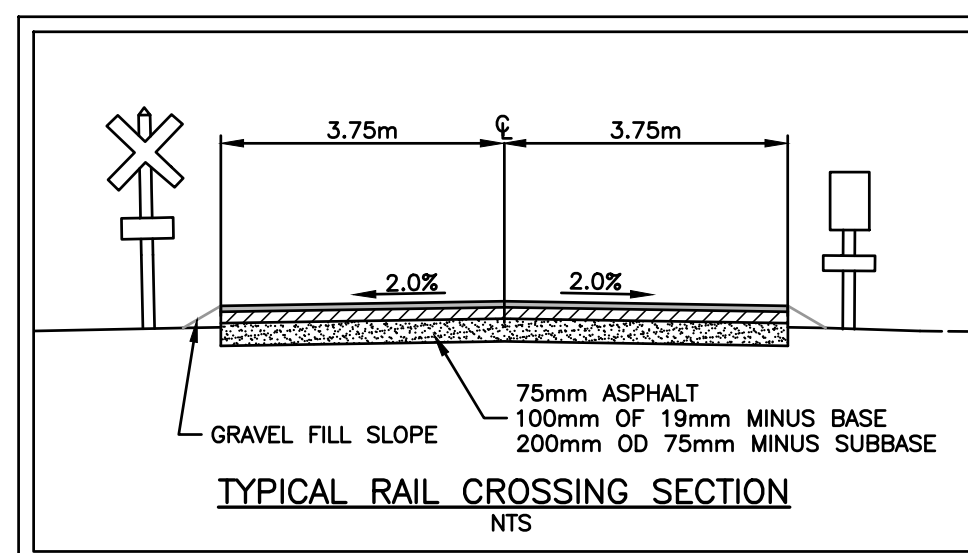
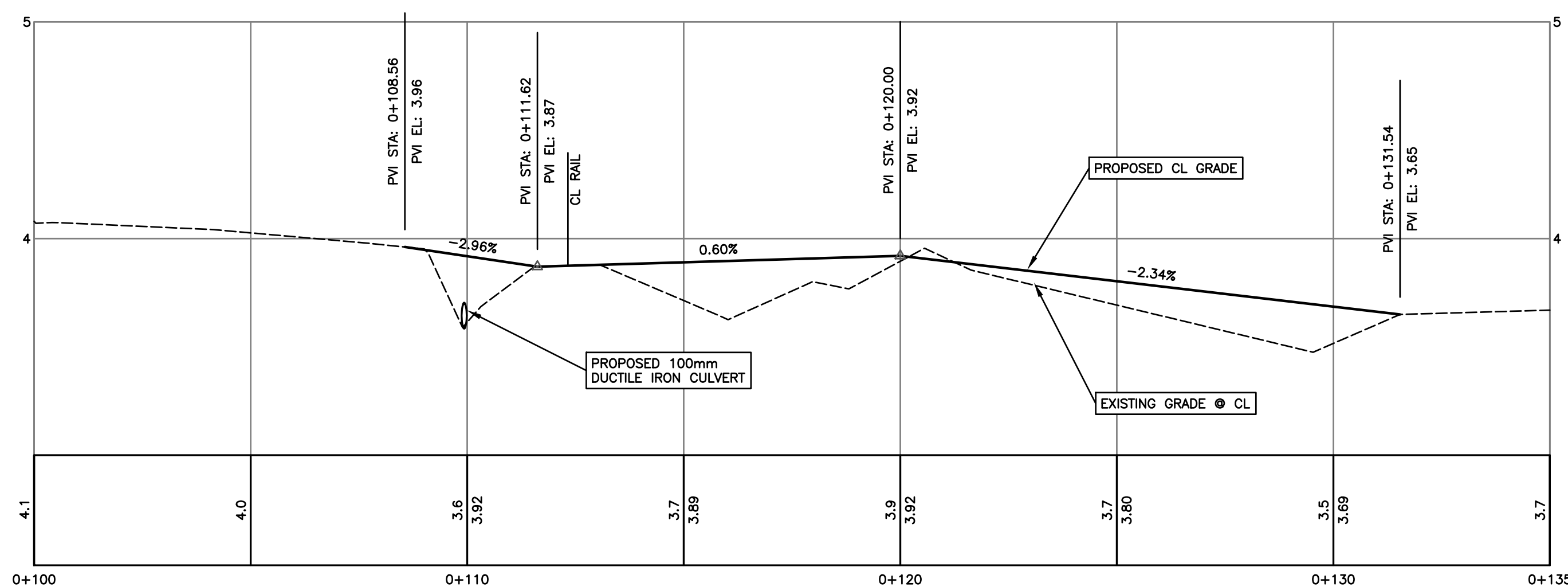
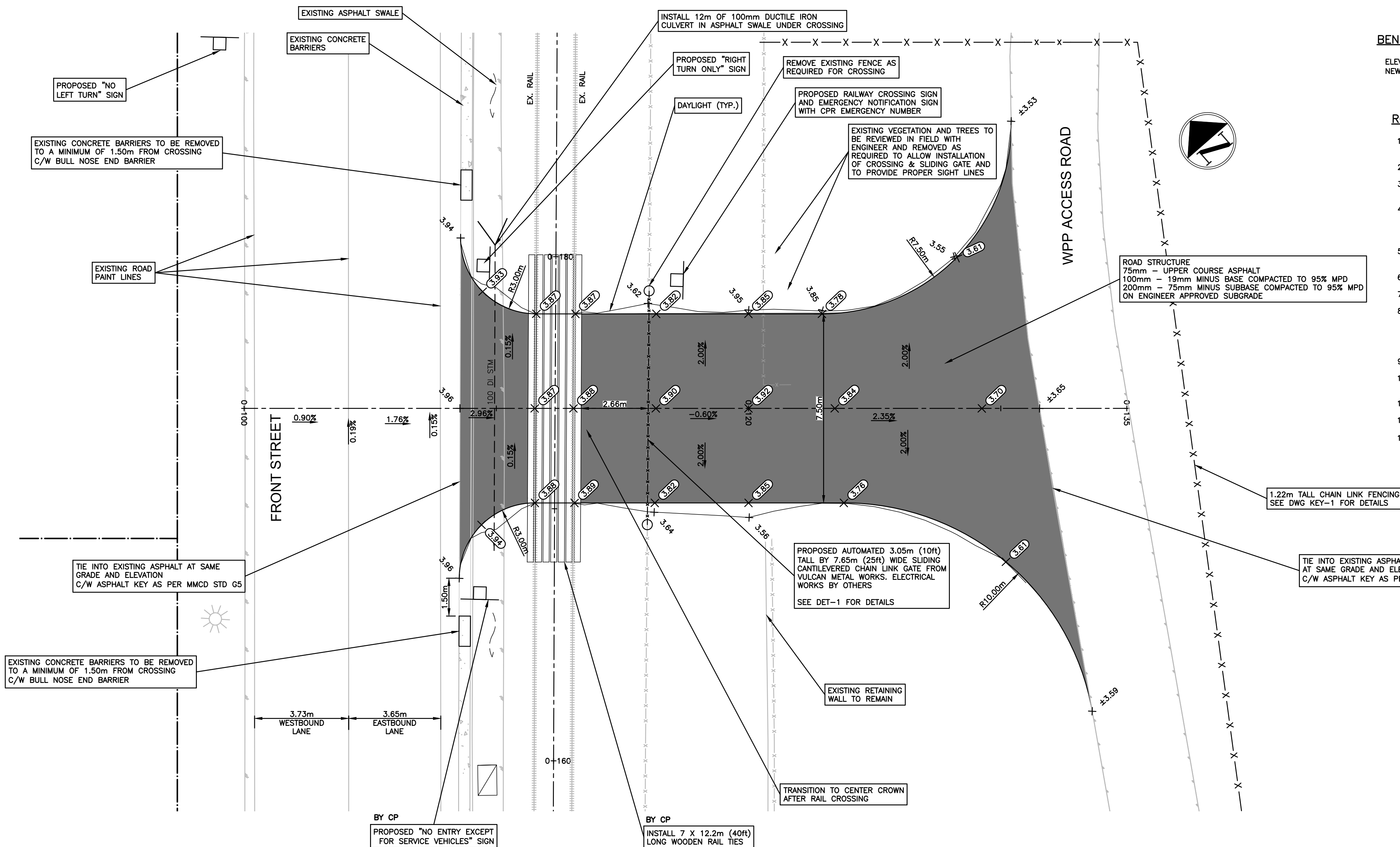
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drawn by CBM drawing no. R-1
date 2021-01-07

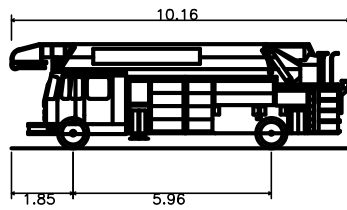
BENCHMARK INFORMATION

ELEVATIONS ARE METRIC, 2018 GVRD DATUM DERIVED FROM CITY OF NEW WESTMINSTER MONUMENT 89H6036 (ELEVATION = 3.742m)

ROADWORKS NOTES

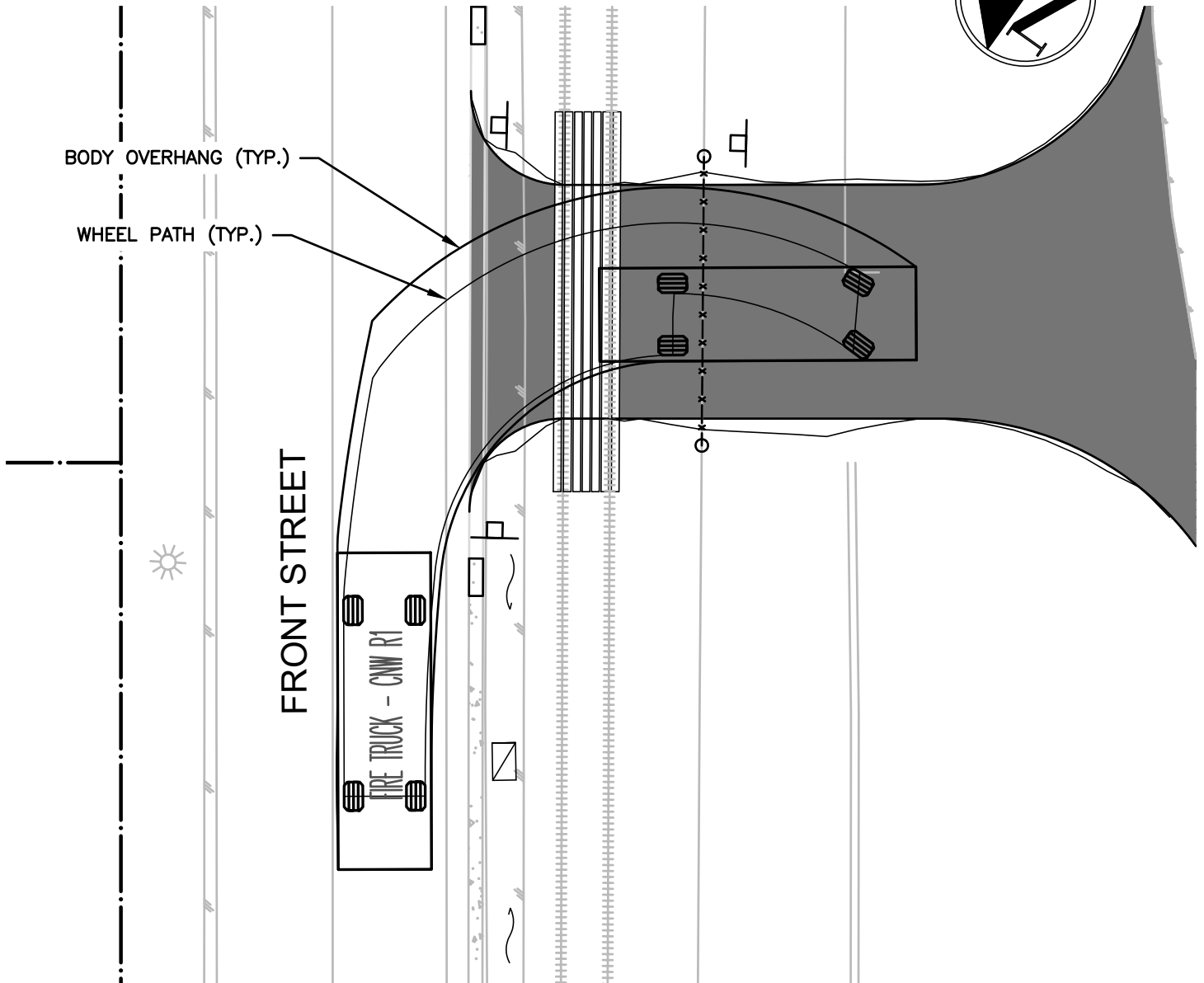
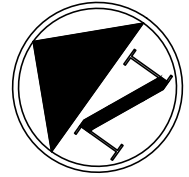
- ALL ROADWORKS CONSTRUCTION AND METHODS MUST BE IN ACCORDANCE WITH MASTER MUNICIPAL CONSTRUCTION DOCUMENTS (MMCD) AND CITY OF NEW WEST STANDARDS.
- PAVING CAN ONLY PROCEED IN THE PRESENCE OF THE ENGINEER OR DESIGNATED INSPECTORS.
- CONTRACTOR TO SUBMIT SIEVE TEST AND SOURCE DATA FOR AGGREGATES AND MIX DESIGN FOR ASPHALT AT BEGINNING OF CONTRACT TO ENGINEER FOR REVIEW AND APPROVAL.
- ALL LOOSE AND ORGANIC MATERIAL TO BE EXCAVATED FROM ROADWAY, ALL SUBGRADES TO BE COMPACTED TO 95% MODIFIED PROCTOR DENSITY. CONTRACTOR TO COORDINATE SUBGRADE INSPECTION BY ENGINEER PRIOR TO PLACEMENT OF GRAVEL SUBBASE. ANY WATER SOFTENED SUBGRADE SOIL SHALL BE OVEREXCAVATED AND THE GRADE RESTORED WITH GRANULAR SOILS COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
- THE BASE AND SUBBASE MATERIALS SHALL BE PROPERLY PLACED AND COMPACTED TO A MINIMUM OF 95% OF MODIFIED PROCTOR DRY DENSITY (ASTM D1557).
- THE CONTRACTOR WILL GIVE ENGINEER 48 HOURS NOTICE PRIOR TO SUBGRADE PROOF ROLL, BASE COMPACTION, AND PAVING.
- THE CONTRACTOR MUST NOTIFY ENGINEER 48 HOURS PRIOR TO STARTING CONSTRUCTION TO ESTABLISH AN INSPECTION SCHEDULE.
- ALL CUTS IN EXISTING ASPHALT REQUIRED FOR CONSTRUCTION SHALL BE VERTICAL, FULL DEPTH, WITH A DIAMOND SAW AND REPLACED TO THE GREATER OF EXISTING OR DESIGN DEPTH WITH MINIMUM 80mm ASPHALT CONCRETE FOR MAIN ROADS AND 65mm ASPHALT CONCRETE FOR LANES, AFTER BACKFILL AND COMPACTION. ALL PAVEMENTS, BOULEVARDS, DRIVEWAYS, FENCES, ETC. ARE TO BE RESTORED TO THE SATISFACTION AND APPROVAL OF THE CITY WHEN NO IMPROVEMENT IS PROPOSED UNDER THIS CONTRACT.
- CHANGES IN GRADE TO BE FORMED WITH SMOOTH CURVES.
- ALL MANHOLE LIDS, VALVE COVERS, CATCHBASIN RIMS AND LIDS OF OTHER STRUCTURES TO BE SET AT FIRST LIFT ROAD ELEVATIONS AND RAISED WHEN FINAL LIFT INSTALLED.
- COVERS FOR INSPECTION CHAMBERS AND VALVE RISERS IN DRIVEWAYS SHALL BE SUITABLE FOR TRAVELED AREAS.
- ENSURE ALL NEW PAVEMENT WORKS ARE KEYED INTO EXISTING ASPHALT AS PER MMCD STANDARD.
- INSTALL TENSAR BX BIAXIAL GEOGRID AT ALL ROAD TRANSITIONS FROM PARKADE ROOF STRUCTURES TO NATIVE/ENGINEERED FILL. PROVIDE MIN. 4m ON BOTH SIDES OF TRANSITION.





FIRE TRUCK — CNW R1
 Overall Length
 Overall Width
 Overall Body Height
 Min Body Ground Clearance
 Track Width
 Lock-to-lock time
 Max Steering Angle (Virtual)

10.160m
 2.990m
 3.130m
 0.291m
 2.600m
 6.00s
 33.50°



WEST PIER PARK - AUTOTURN
 RIGHT TURN INTO RAIL CROSSING
 FIRETRUCK

CREUS
Engineering

Civil Engineers & Project Managers
 PH: 604-987-9070 WEB: www.creus.ca

dwg by:
 CBM

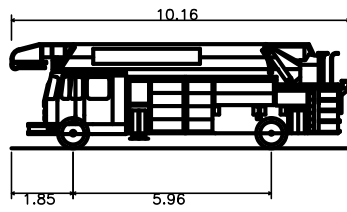
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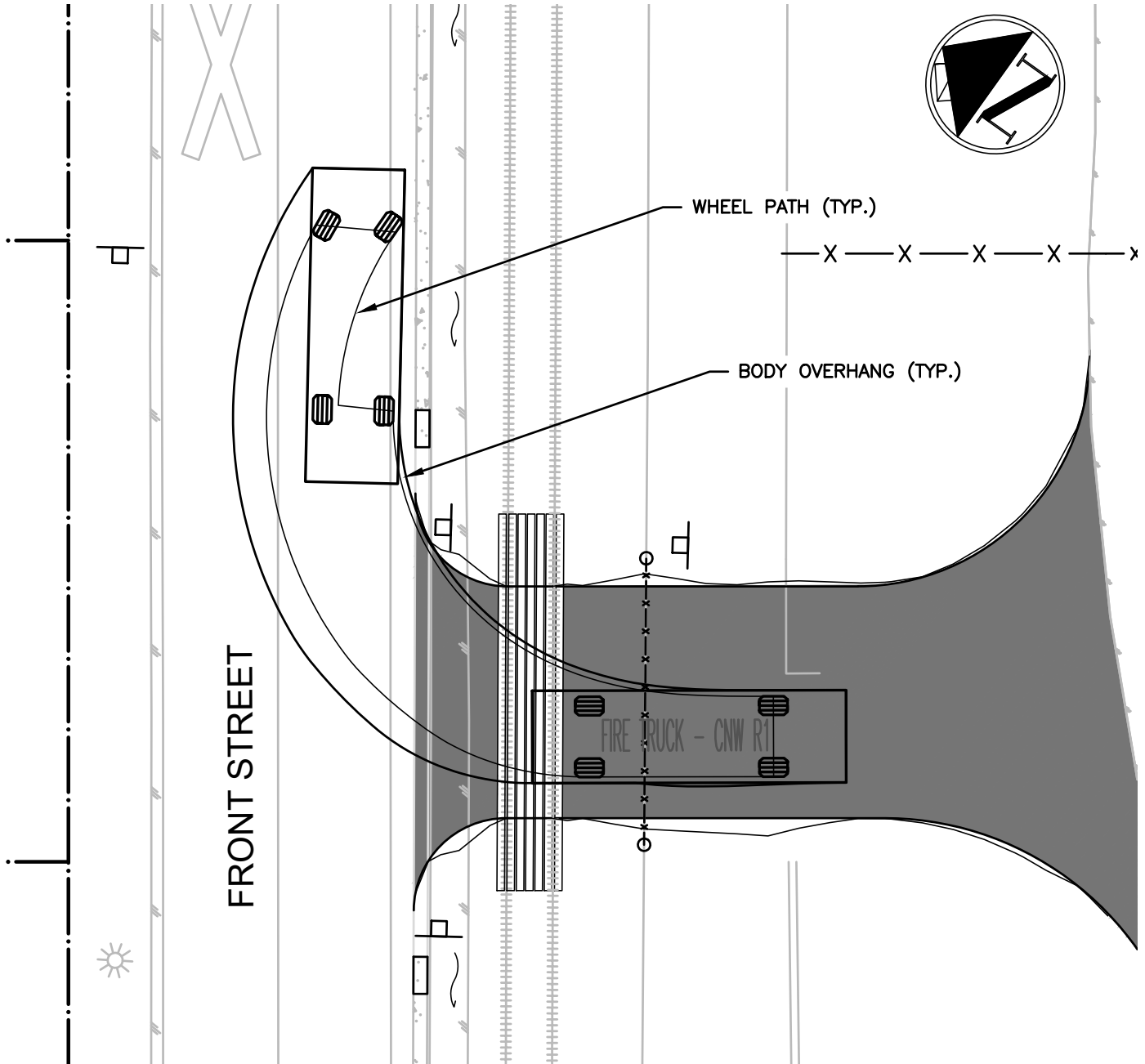
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proj #:
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FIRE TRUCK — CNW R1
 Overall Length
 Overall Width
 Overall Body Height
 Min Body Ground Clearance
 Track Width
 Lock-to-lock time
 Max Steering Angle (Virtual)

10.160m
 2.990m
 3.130m
 0.291m
 2.600m
 6.00s
 33.50°



WEST PIER PARK - AUTOTURN
 RIGHT TURN OUT OF RAIL CROSSING
 FIRETRUCK

CREUS
Engineering

Civil Engineers & Project Managers
 PH: 604-987-9070 WEB: www.creus.ca

dwg by:
 CBM

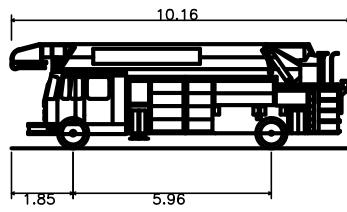
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dwg #:
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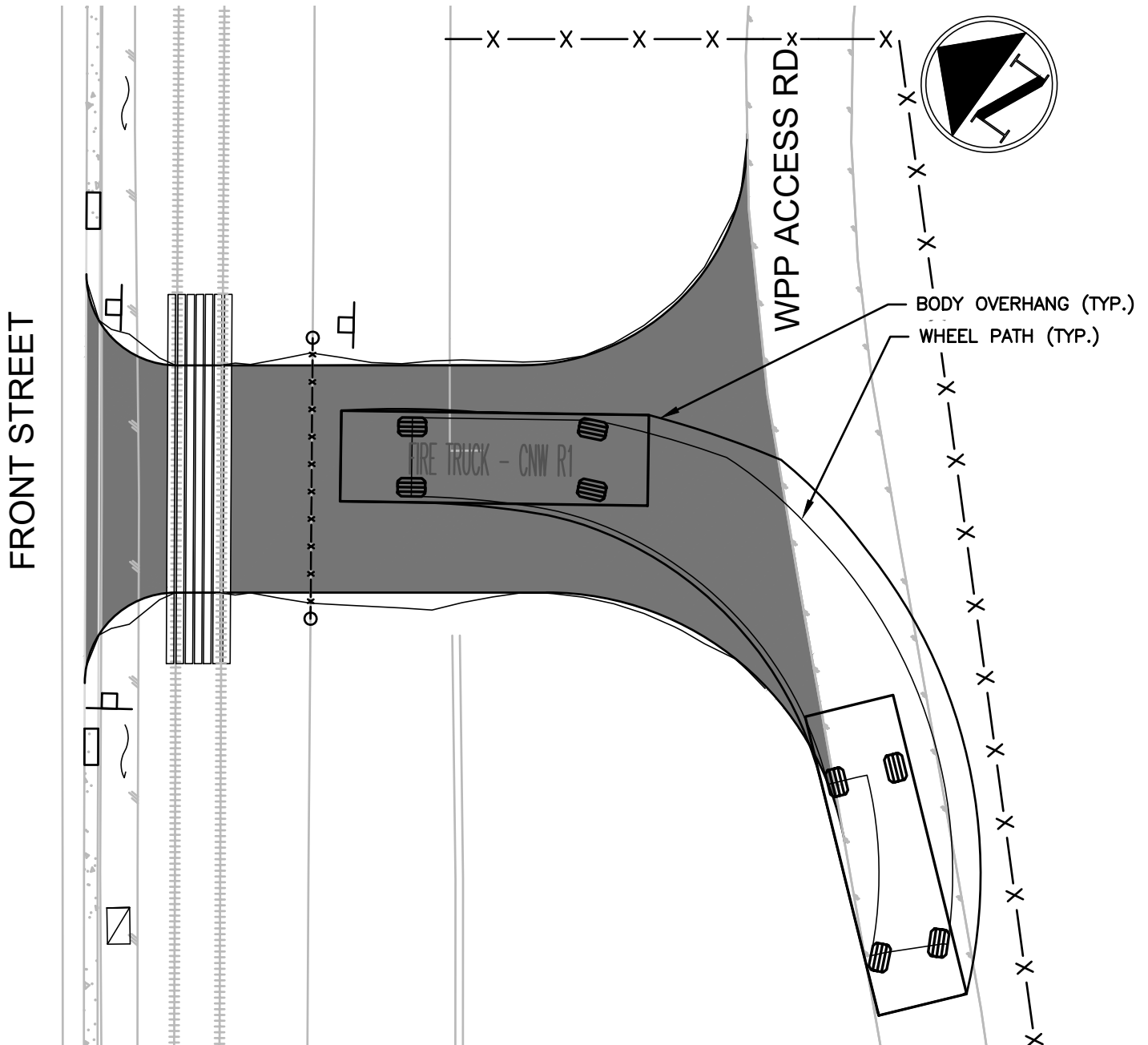
vert.
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proj #:
 20317



FIRE TRUCK — CNW R1
 Overall Length
 Overall Width
 Overall Body Height
 Min Body Ground Clearance
 Track Width
 Lock-to-lock time
 Max Steering Angle (Virtual)

10.160m
 2.990m
 3.130m
 0.291m
 2.600m
 6.00s
 33.50°



WEST PIER PARK - AUTOTURN
 RIGHT TURN ONTO ACCESS ROAD
 FIRETRUCK

CREUS
Engineering

Civil Engineers & Project Managers
 PH: 604-987-9070
 WEB: www.creus.ca

dwg by:
 CBM

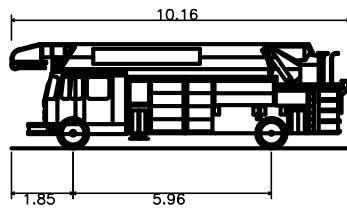
dwg date:
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dwg #:
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scale:
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vert.
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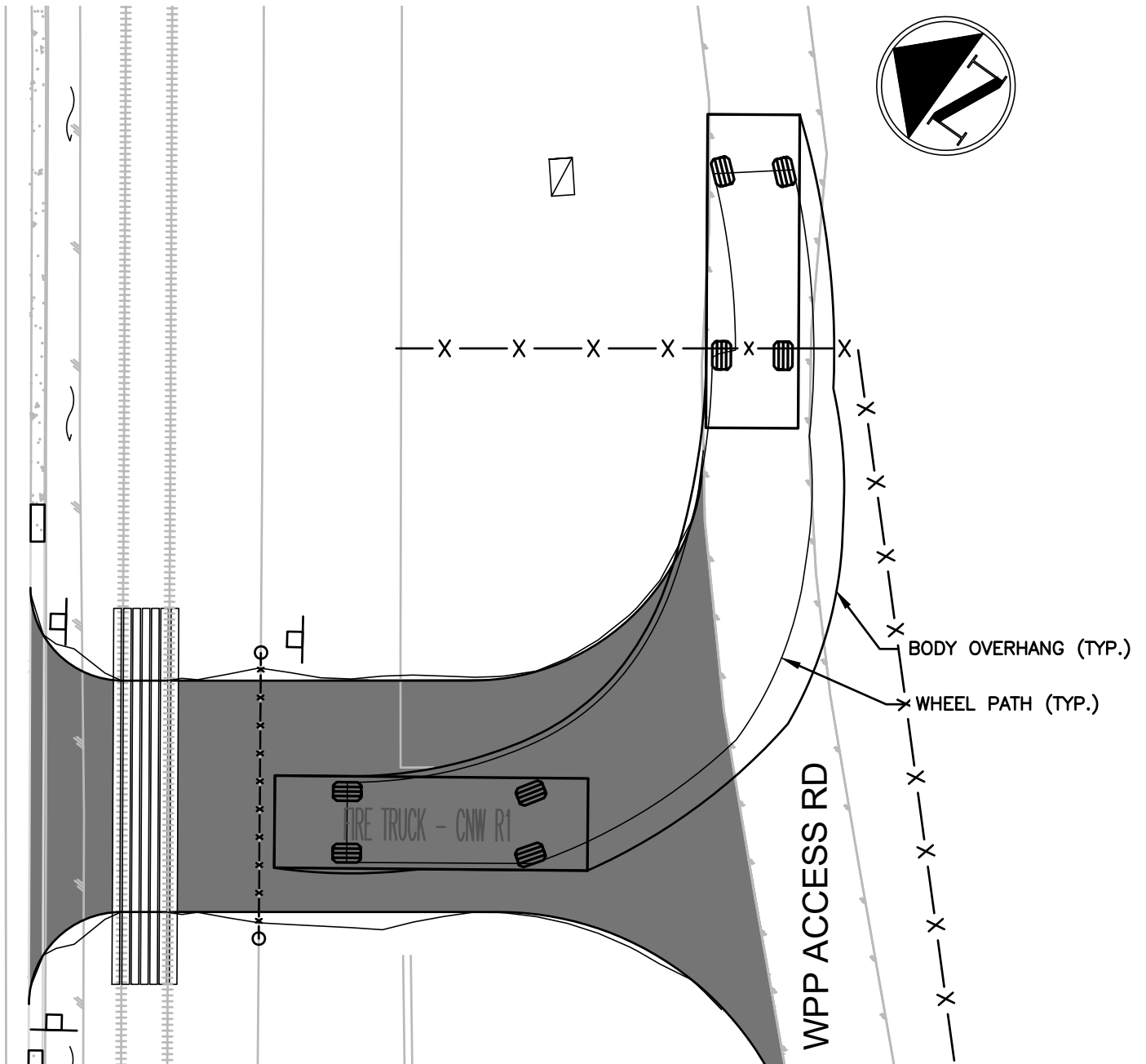
proj #:
 20317



FIRE TRUCK — CNW R1
 Overall Length 10.160m
 Overall Width 2.990m
 Overall Body Height 3.130m
 Min Body Ground Clearance 0.291m
 Track Width 2.600m
 Lock-to-lock time 6.00s
 Max Steering Angle (Virtual) 33.50°

10.160m
 2.990m
 3.130m
 0.291m
 2.600m
 6.00s
 33.50°

FRONT STREET



WEST PIER PARK - AUTOTURN
 LEFT TURN ONTO ACCESS ROAD
 FIRETRUCK

CREUS
Engineering

Civil Engineers & Project Managers
 PH: 604-987-9070 WEB: www.creus.ca

dwg by:
 CBM

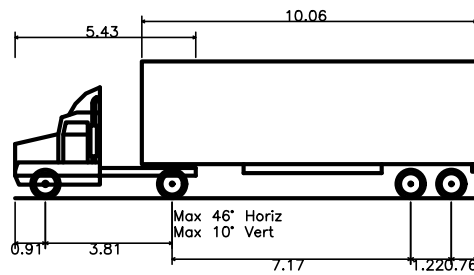
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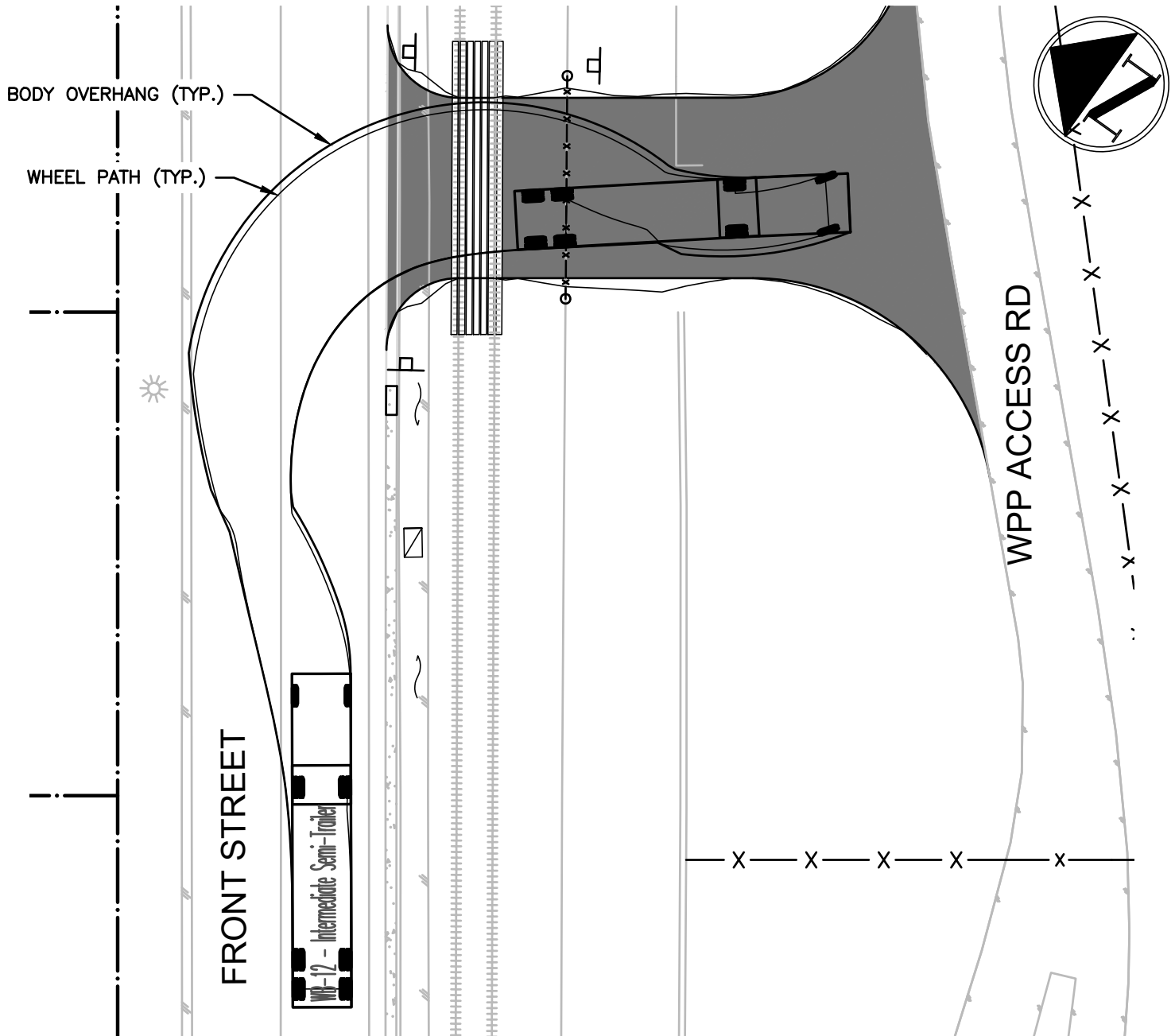
scale:
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vert.
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proj #:
 20317



WB-12 — Intermediate Semi-Trailer
 Overall Length 13.870m
 Overall Width 2.440m
 Overall Body Height 4.110m
 Min Body Ground Clearance 0.407m
 Track Width 2.440m
 Lock-to-lock time 4.00s.
 Max Steering Angle (Virtual) 20.30°



WEST PIER PARK - AUTOTURN
 RIGHT TURN INTO CROSSING
 SMALL SEMI TRAILER

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dwg by:
 CBM

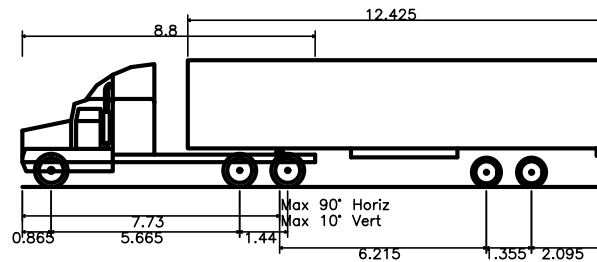
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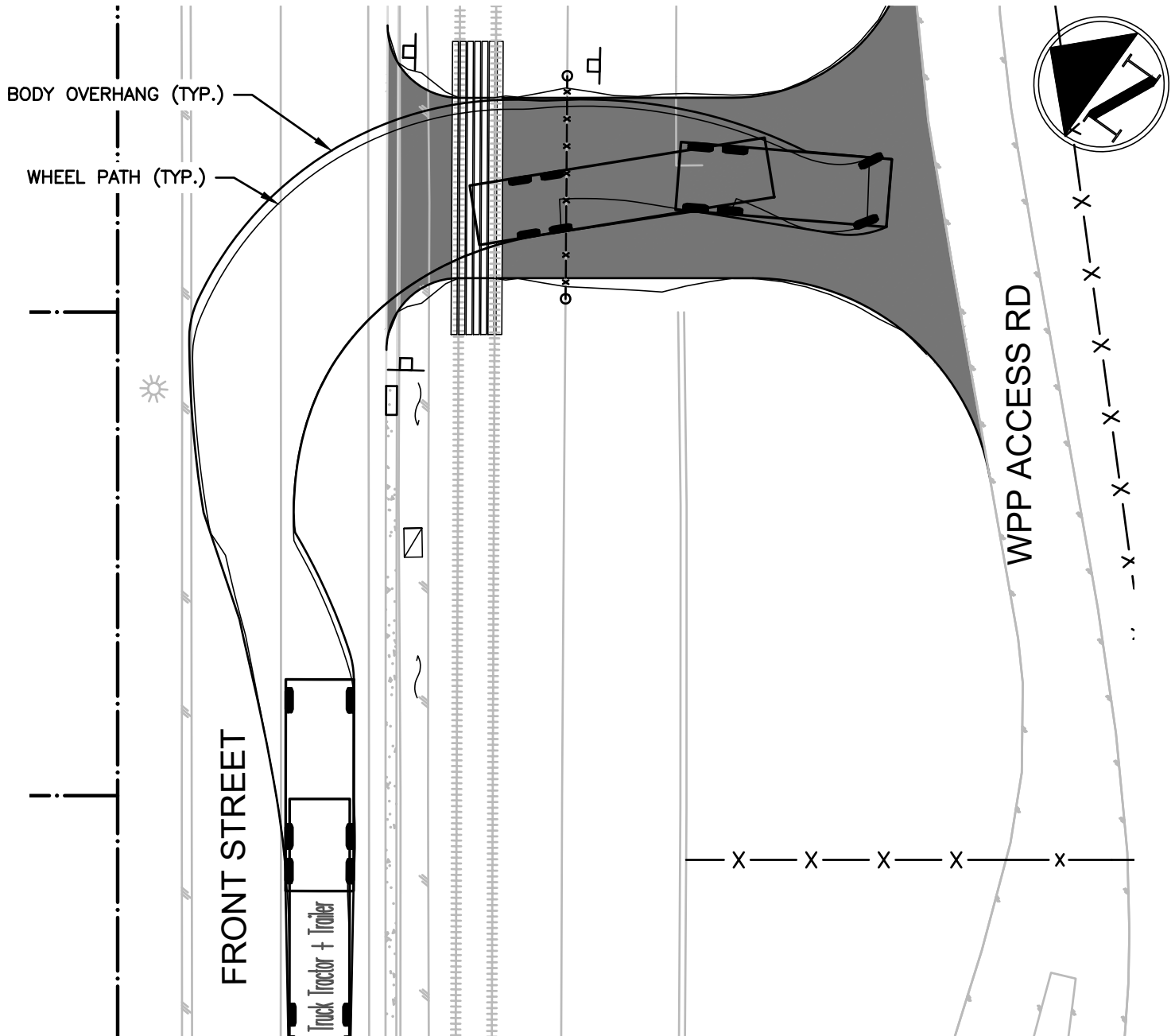
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vert.
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proj #:
 20317



Truck Tractor + Trailer
 Overall Length 17.395m
 Overall Width 2.830m
 Overall Body Height 3.810m
 Min Body Ground Clearance 0.475m
 Max Track Width 2.830m
 Lock-to-lock time 4.00s
 Curb to Curb Turning Radius 8.000m



WEST PIER PARK - AUTOTURN
 RIGHT TURN INTO CROSSING
 MEDIUM SEMI TRAILER

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dwg by:
 CBM

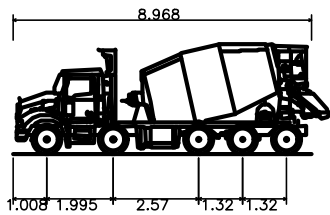
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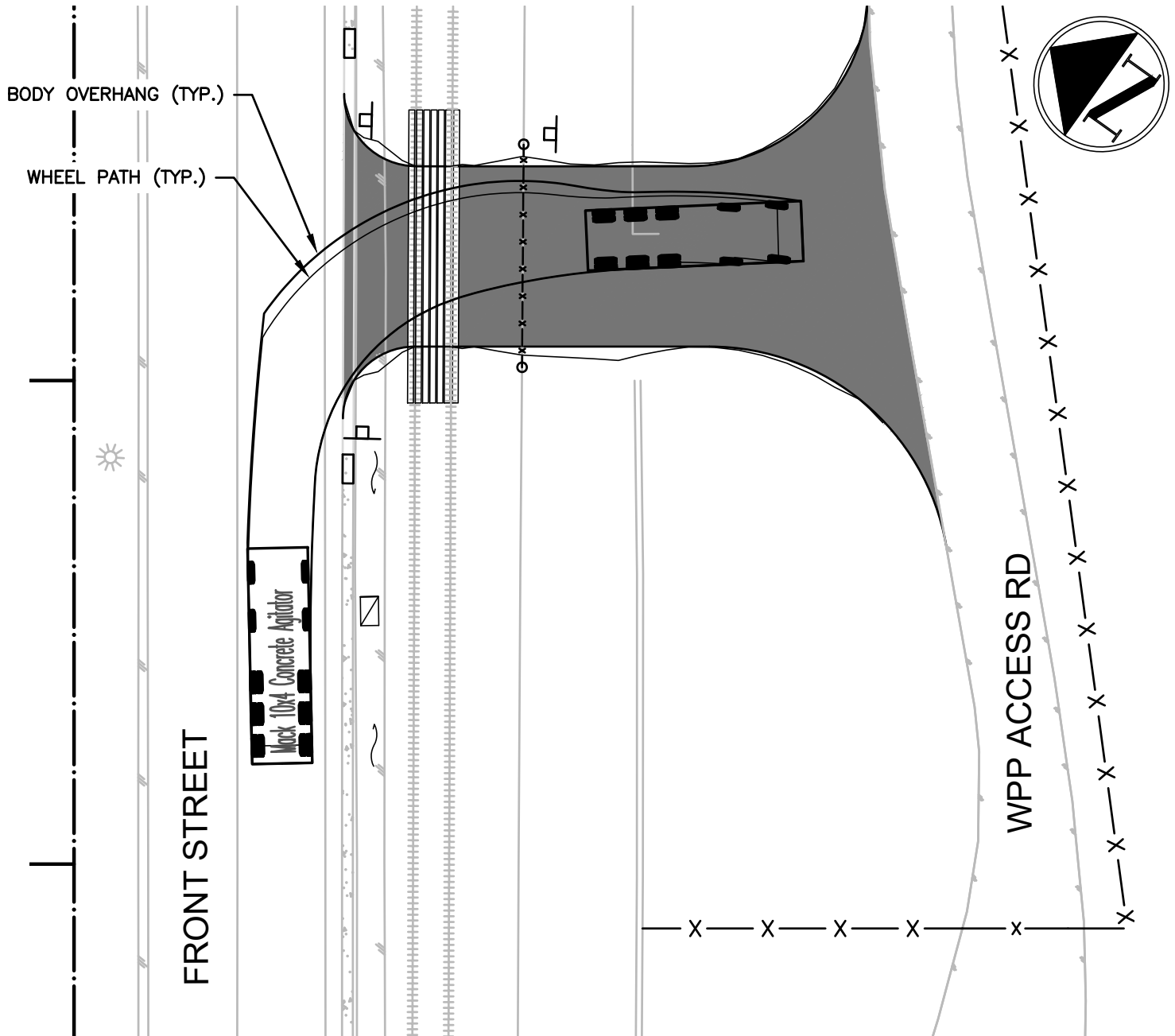
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 hor. 1:200

vert.
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proj #:
 20317



Mack 10x4 Concrete Agitator	
Overall Length	8.968m
Overall Width	2.500m
Overall Body Height	3.300m
Min Body Ground Clearance	0.166m
Track Width	2.500m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	10.850m



WEST PIER PARK - AUTOTURN
RIGHT TURN INTO CROSSING
CONCRETE TRUCK

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Engineering

Civil Engineers & Project Managers
PH: 604-987-9070 WEB: www.creus.ca

dwg by:
CBM

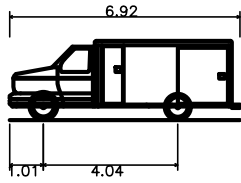
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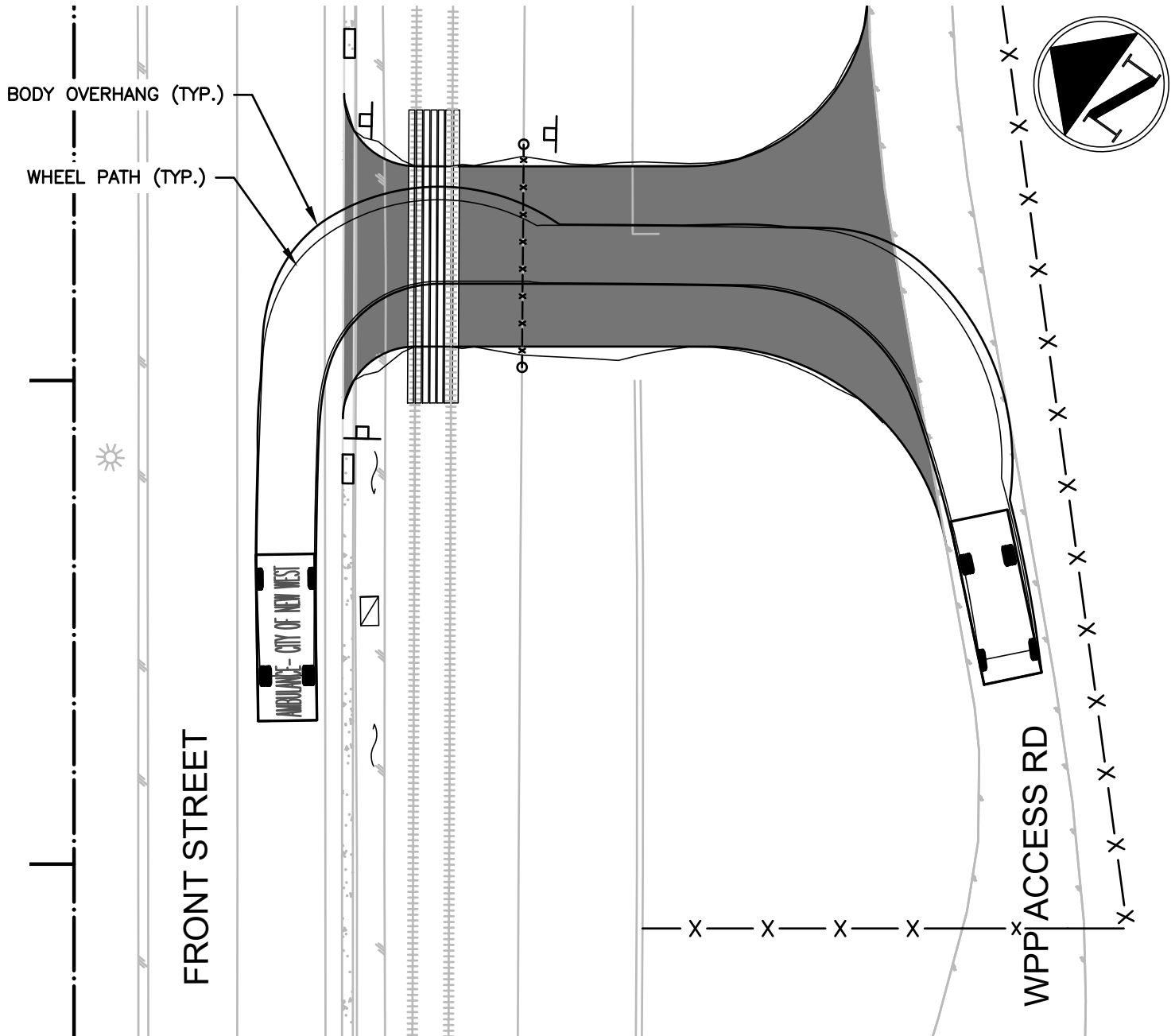
vert.
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proj #:
20317



AMBULANCE- CITY OF NEW WEST

Overall Length	6.920m
Overall Width	2.445m
Overall Body Height	2.380m
Min Body Ground Clearance	0.364m
Max Track Width	2.400m
Lock-to-lock time	5.00s
Wall to Wall Turning Radius	8.800m



WEST PIER PARK - AUTOTURN RIGHT TURN INTO CROSSING AMBULANCE

CREUS
Engineering

Civil Engineers & Project Managers
PH: 604-987-9070 WEB: www.creus.ca

dwg by:
CBM

dwg date:
20/01/11

dwg #:
AT-8

scale:
hor. 1:200

vert.
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proj #:
20317