
CONSTRUCTION SPEED ZONE DESIGN SPEED 60 km/h

HIGHWAY 5 DESIGN VEHICLE WB-20

NOTE:
EXISTING GROUND LINES SHOWN HERE AND ON TEMPLATED CROSS SECTIONS ARE DERIVED FROM LIDAR AND MAY NOT BE TRUE REPRESENTATION OF THE ACTUAL GROUND LINES. CONTRACTOR TO VERIFY ACCURACY AND INFORM MOTI AND EOR OF ANY DISCREPANCIES FOUND IN THE FIELD

PROFESSIONAL ENGINEER
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SCALE 0 10 1:1000 50m
CAD FILENAME ALIPROF_689556
PLOT DATE 2023-02-08

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|---|---|---|---|
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BRITISH COLUMBIA
MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE
SOUTHERN INTERIOR REGION
HIGHWAY ENGINEERING AND GEOMATICS

# PLAN

COQUIHALLA HIGHWAY No. 5
NICOLA BRIDGE RESURFACING CROSSOVERS
STA. 10+000.000 TO 20+000.000

27 February 2023
ENGINEER OF RECORD
DATE YYYY-MM-DD

DESIGNED T.P DATE YYYY-MM-DD
QUALITY CONTROL R.L DATE YYYY-MM-DD
QUALITY ASSURANCE R.L DATE YYYY-MM-DD
DRAWN T.P DATE YYYY-MM-DD

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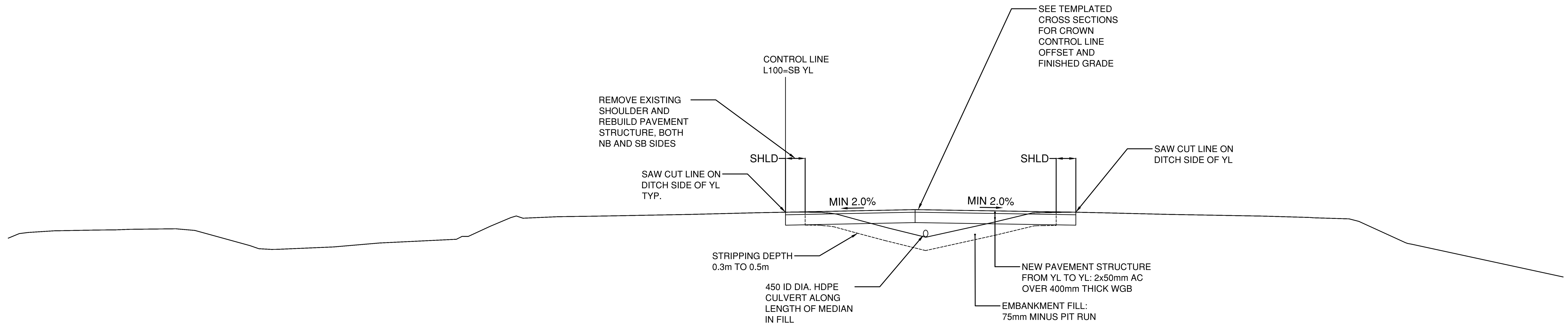
| | 25299-0000 | 2 | R2-1197-101 | 0 |

PLOT DATE: 2023/02/08 H:\DATA\689556 – Nicola Bridge\41 – Civil Engineering\Hwy5_NicolaBridge\DesignModel\02_Geometry\ALIPROF_689556.dwg




**"L100" LINE**
MEDIAN INFILL
STATION 10+40 LOOKING NORTH
10+40 TO 12+00
14+60 TO 16+60

ASSUMPTIONS AND LIMITATIONS:
1. The crossovers are temporary and will be removed at the end of the deck resurfacing project. The service life of the crossovers will be no more than 1 year.
2. Construction of the crossovers will be completed by the Ministry's Maintenance Contractor, or their designate.
3. All materials and construction shall be as per the current version of the Ministry's Standard Specifications for Highway Construction.
4. Existing and proposed elevations are derived from LiDAR and may not be true representation of the actual ground lines. Contractor to verify accuracy and notify the MoTI and Design EOR of any discrepancies found in the field.

SEQUENCE OF MEDIAN INFILL CONSTRUCTION:
1. The crossover areas shall be stripped, and all unsuitable materials removed prior to the placement of any fill. The contractor shall plan to strip / remove the upper 0.3 to 0.5 m of material in the median through the footprint of the crossovers.
2. Drainage through the infilled sections of the median shall be maintained through the installation of a 450 ID diameter HDPE pipe. The culvert shall be constructed such that the crown is below the base layer of the pavement structure.
3. Material required to infill the median between the stripped surface and underside of the pavement structure shall consist of 75 mm minus granular fill with less than 5% fines (by weight).
4. Remove and replace the existing NB and SB shoulders by saw cutting along the ditch side of the yellow line and install a new pavement structure across the median from yellow line to yellow line.
5. The pavement structure shall consist of:
100 mm thick asphalt – constructed as two 50 mm thick lifts using a 16 mm medium mix aggregate with a Group "A" 80–100 penetration grade AC binder.
400 mm thick base – constructed with 25 mm Well Graded Base (WGB).
6. Temporary pavement markings are to designed by and applied by the successful bridge deck contractor in accordance with approved traffic control plans submitted during the bridge deck contract.
7. Removal of the median infill and reinstatement of the median ditch to original conditions are responsibilities of the bridge deck contractor.

CONSTRUCTION SPEED ZONE DESIGN SPEED 60 km/h

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HIGHWAY ENGINEERING AND GEOMATICS

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# TYPICAL SECTION AND NOTES
COQUIHALLA HIGHWAY No. 5
NICOLA BRIDGE RESURFACING CROSSOVERS

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# SECTIONS 1 OF 6

COQUIHALLA HIGHWAY No. 5
NICOLA BRIDGE RESURFACING CROSSOVERS

STA. 10+000.000 TO 20+000.000

27 February 2023
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SCALE 0 2 1:250 12m

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# TEMPLATED CROSS SECTIONS 2 OF 6

COQUIHALLA HIGHWAY No. 5
NICOLA BRIDGE RESURFACING CROSSOVERS

STA. 10+000.000 TO 20+000.000

27 February 2023

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# TEMPLATED CROSS SECTIONS 3 OF 6

COQUIHALLA HIGHWAY No. 5
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# TEMPLATED CROSS SECTIONS 4 OF 6

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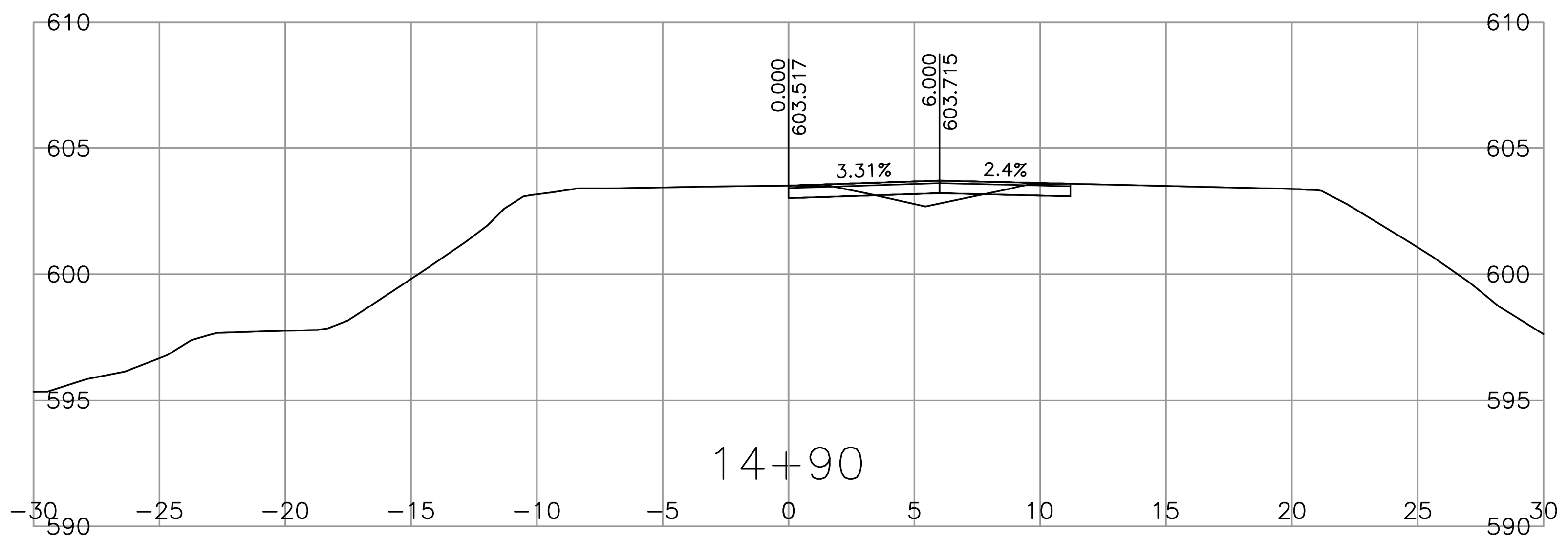


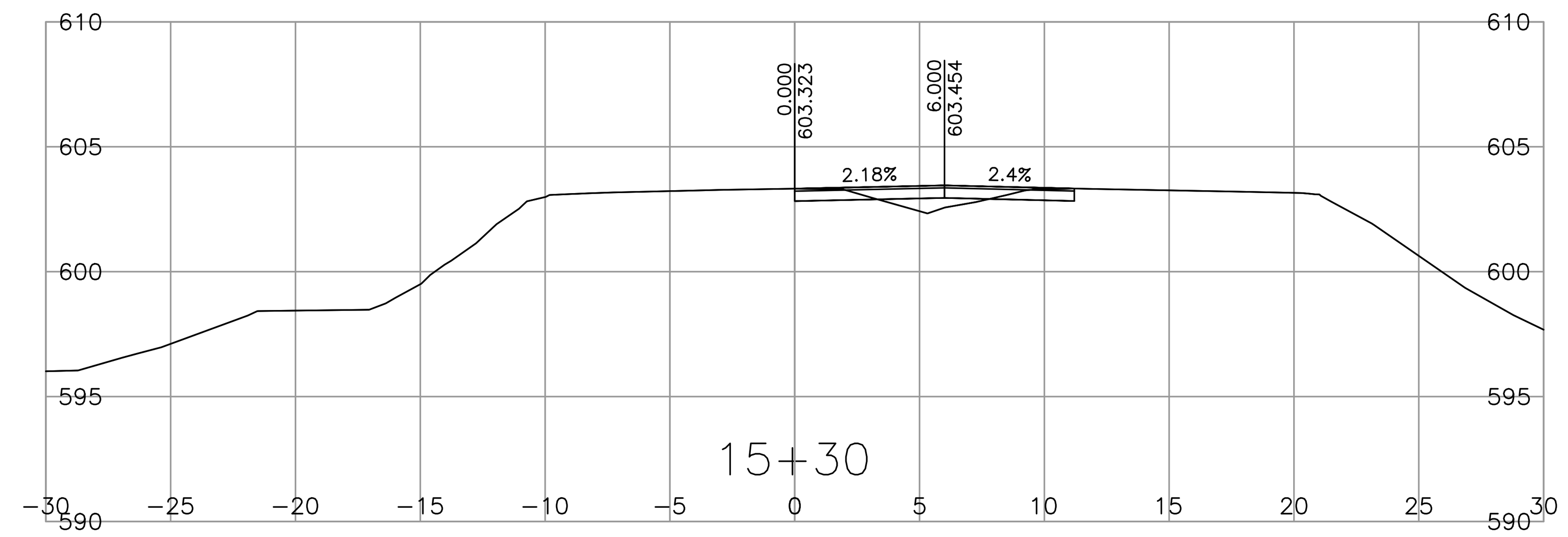


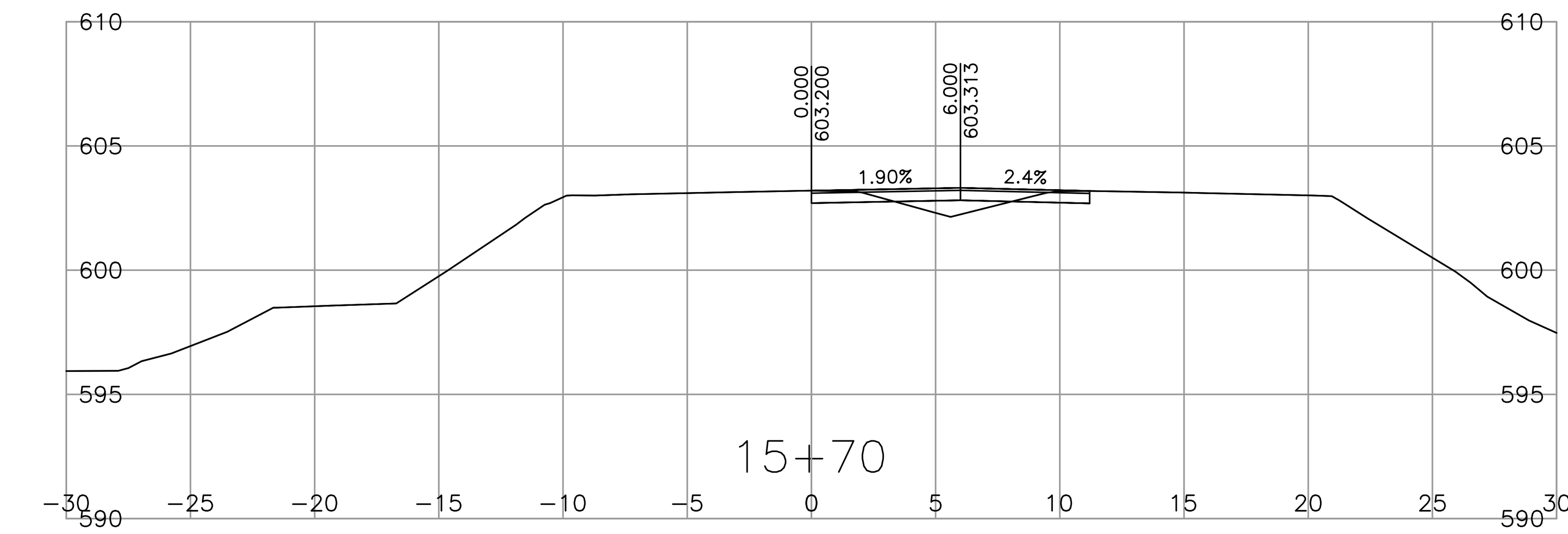


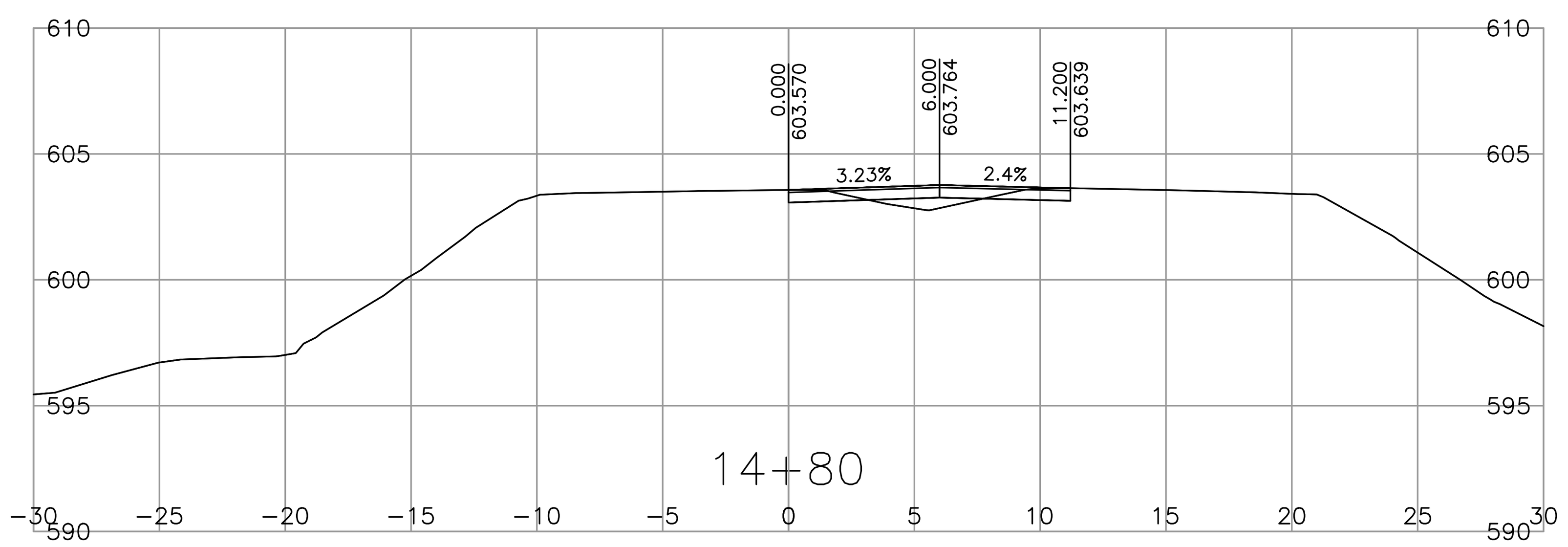


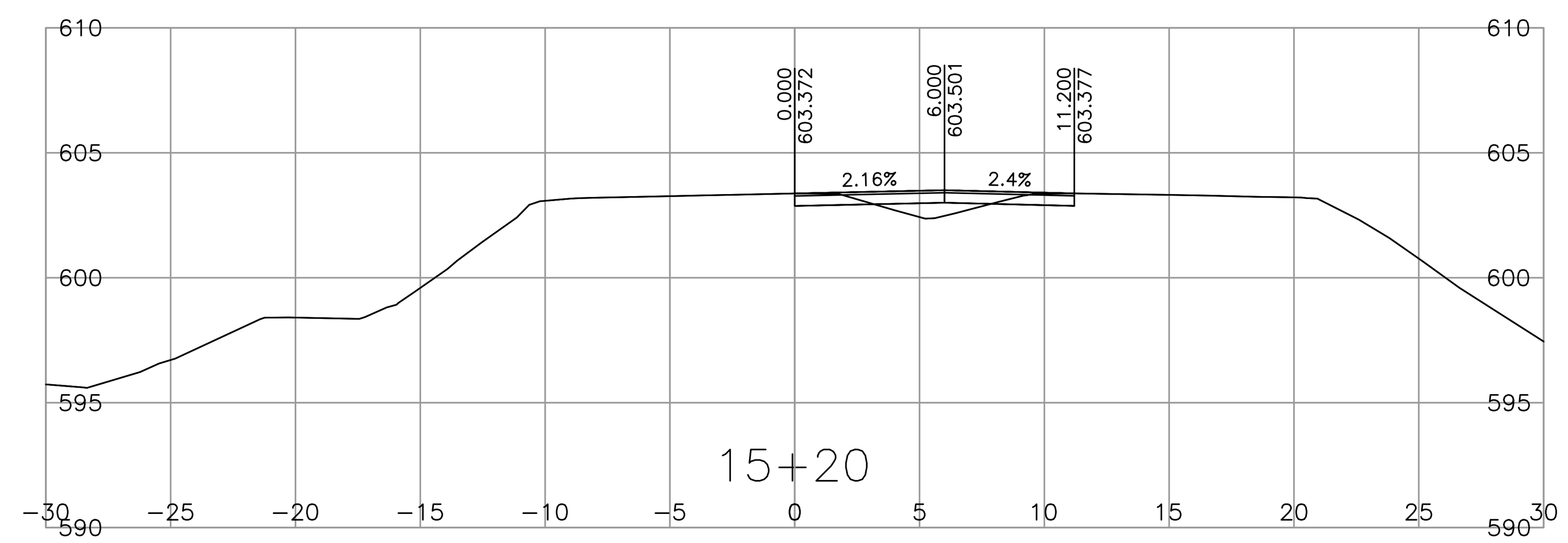


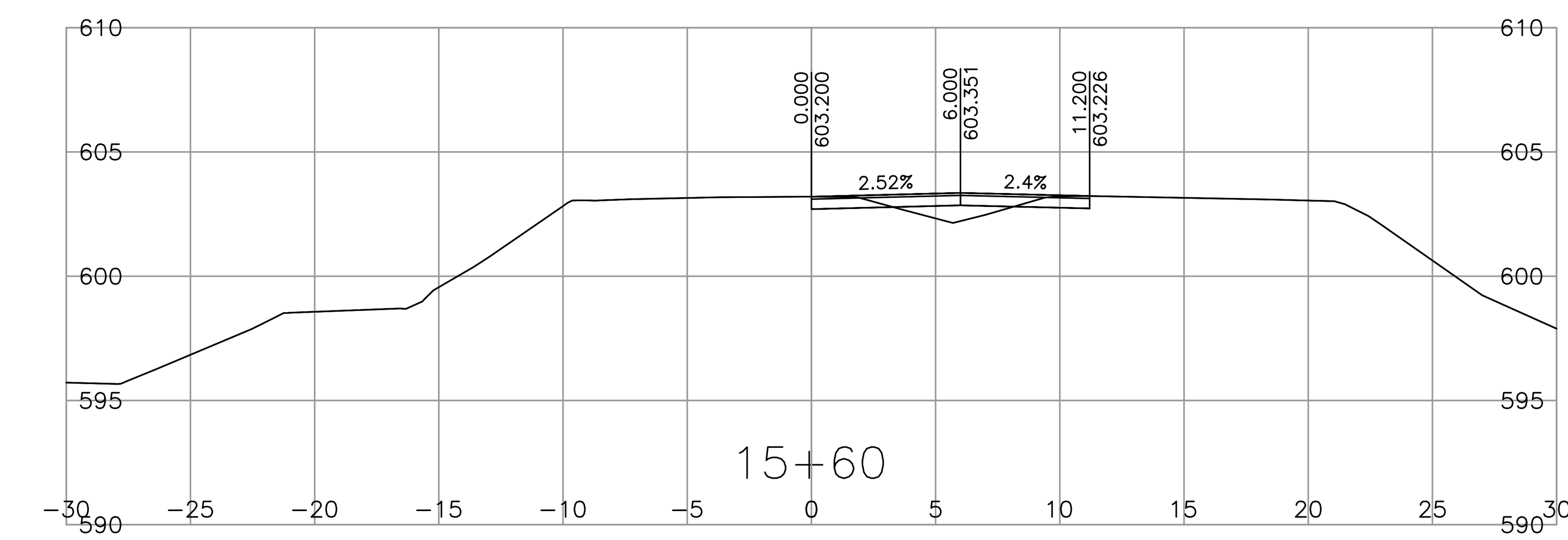


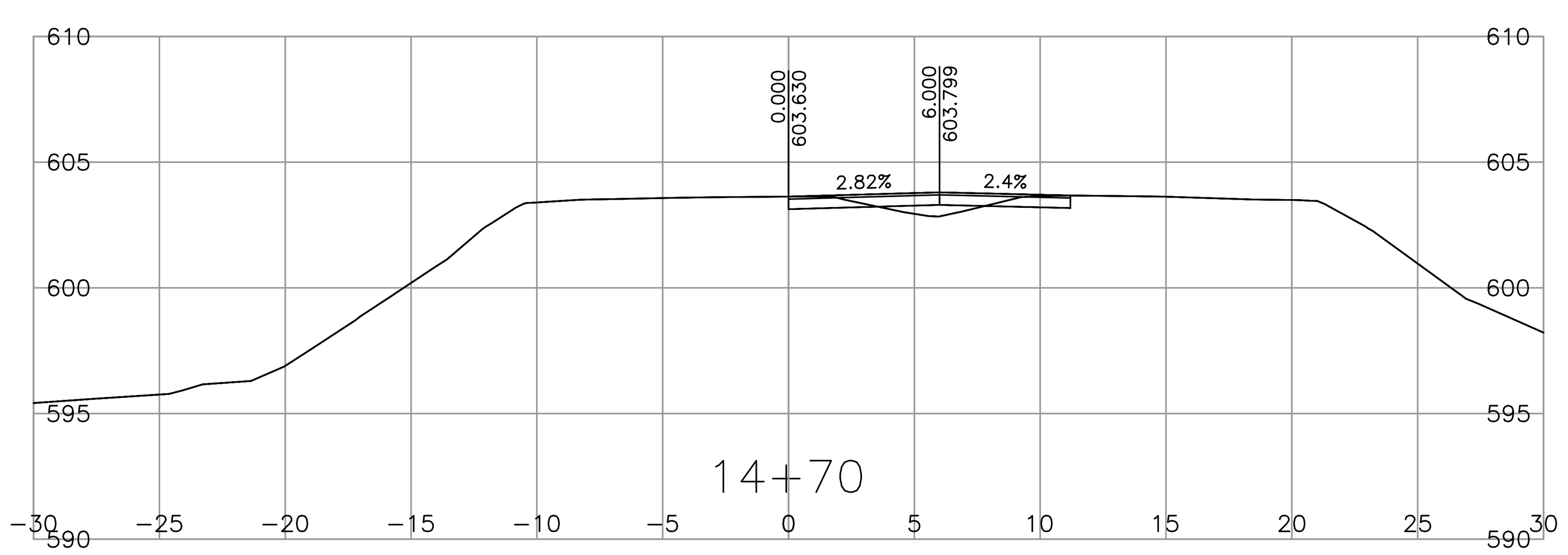


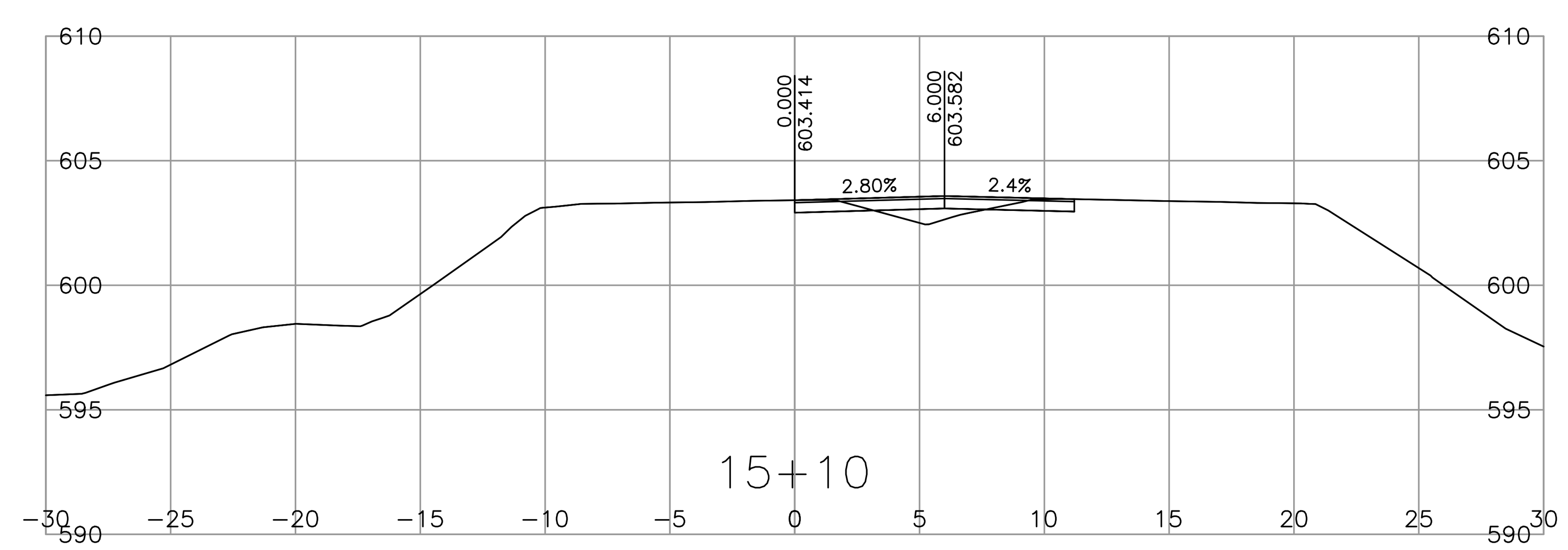


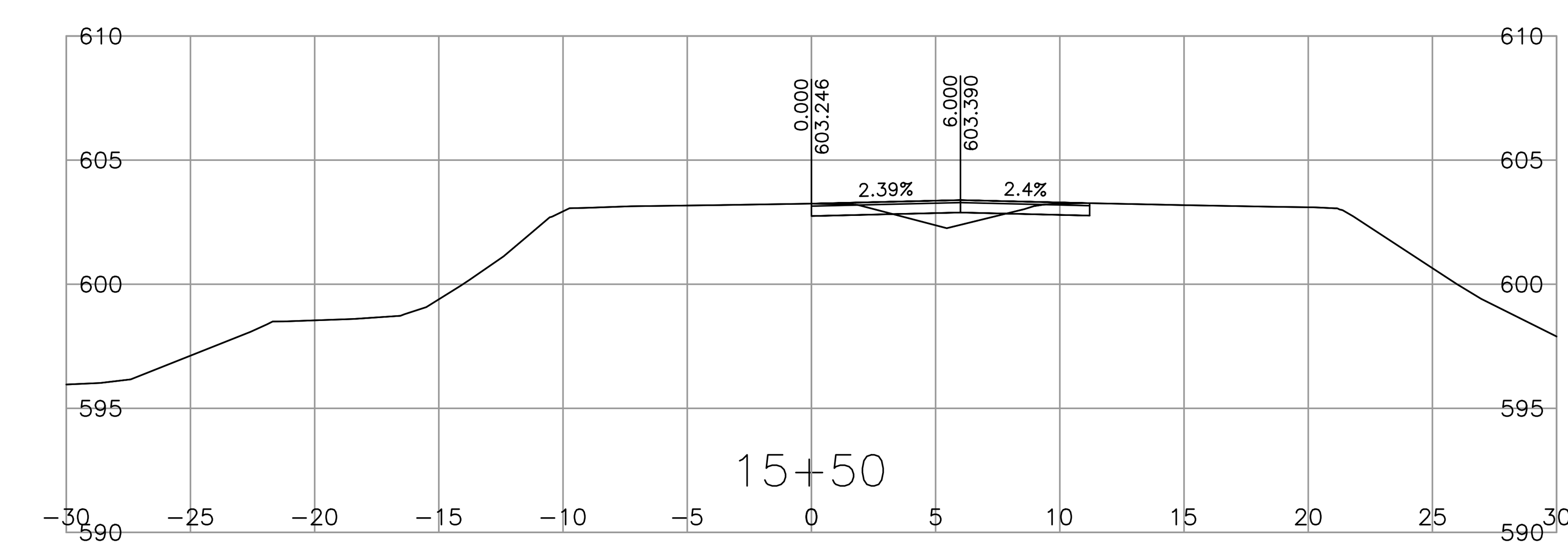


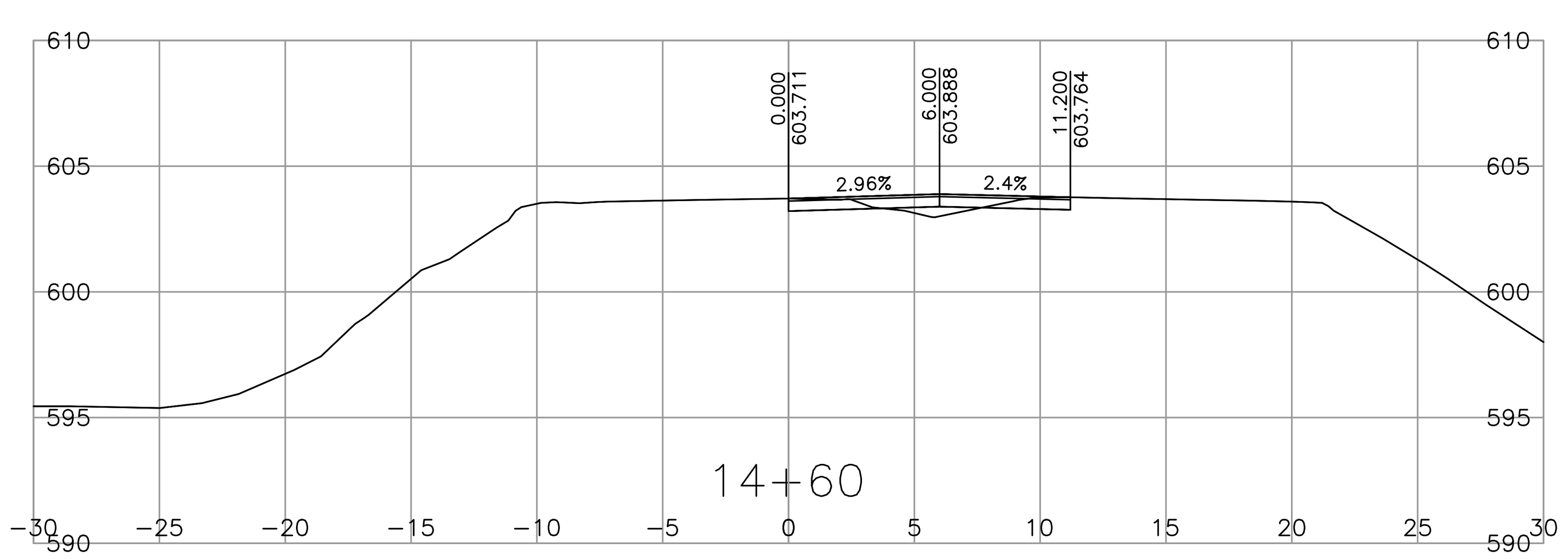


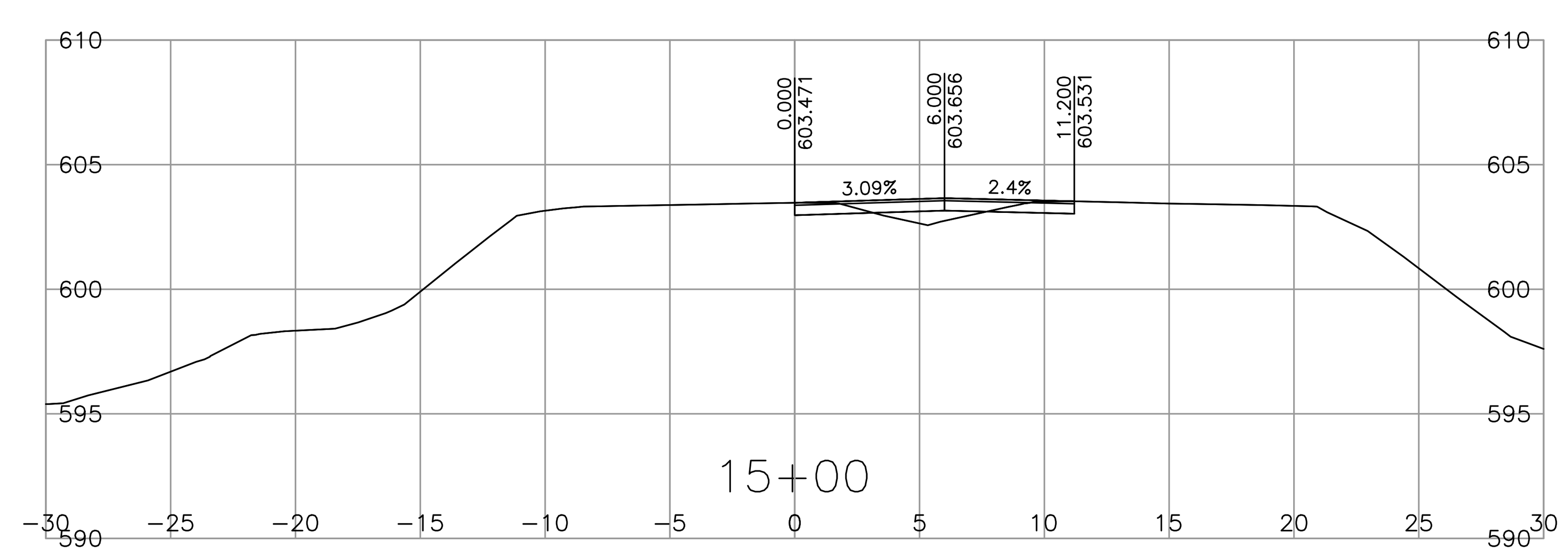


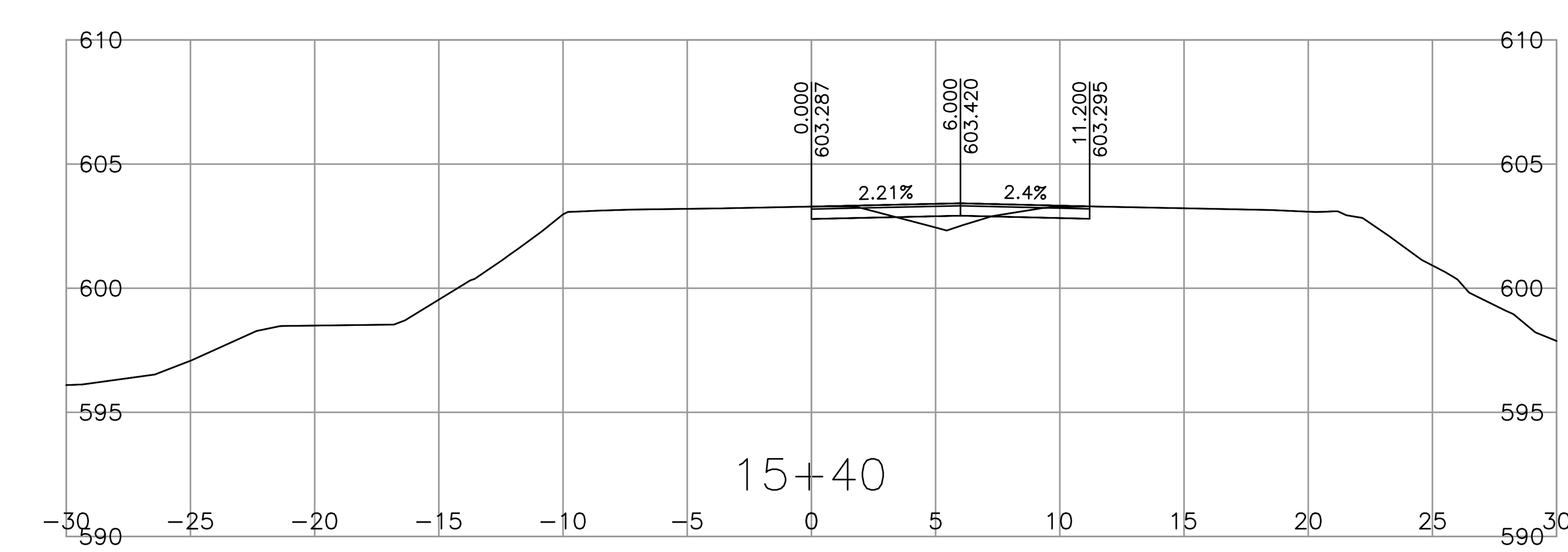


CONSTRUCTION SPEED ZONE DESIGN SPEED 60 km/h

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# TEMPLATED CROSS SECTIONS 5 OF 6

## COQUIHALLA HIGHWAY No. 5
## NICOLA BRIDGE RESURFACING CROSSOVERS

STA. 10+000.000 TO 20+000.000

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# TEMPLATED CROSS SECTIONS 6 OF 6

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