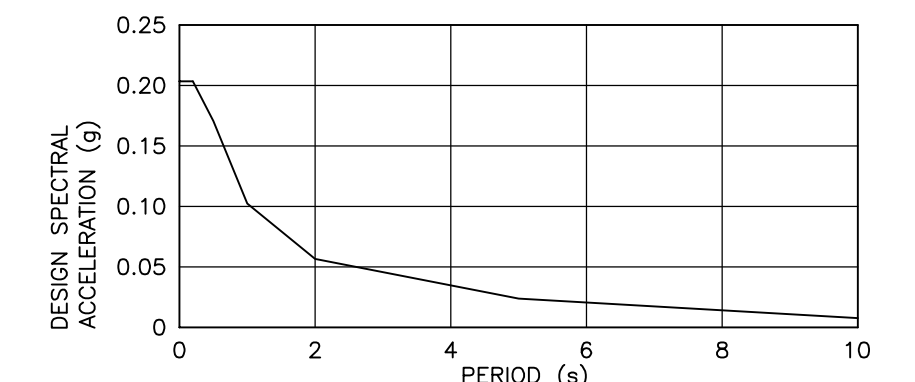


NOTES:

- DESIGN SPECIFICATIONS:
 - CAN/CSA-S6-14
 - BC MOT BRIDGE STANDARDS AND PROCEDURES MANUAL, VOLUME 1, SUPPLEMENT TO CHBDC S6-14
- HIGHWAY CLASS:
 - CLASS A
- DESIGN LOADS:
 - LIVE LOAD: BCL-625 AND LANE LOAD EPLL2 ON CENTRE OF ONE LANE OR ON CENTRE OF THE BRIDGE. SINGLE TRIP WITH SPEED LIMIT OF 10km/h, NO OTHER TRAFFIC PERMITTED DURING CROSSING. LOAD FACTORS AND DLA PER SECTION 14 OF S6-14.
 - FUTURE DEAD LOAD ALLOWANCE: 50mm CONCRETE OVERLAY
 - EARTHQUAKE (1/2475 YEAR): PGA = 0.073g



IMPORTANCE FACTOR = 1.5 (MAJOR ROUTE BRIDGE)
SEISMIC PERFORMANCE CATEGORY = 2
SITE CLASS = D

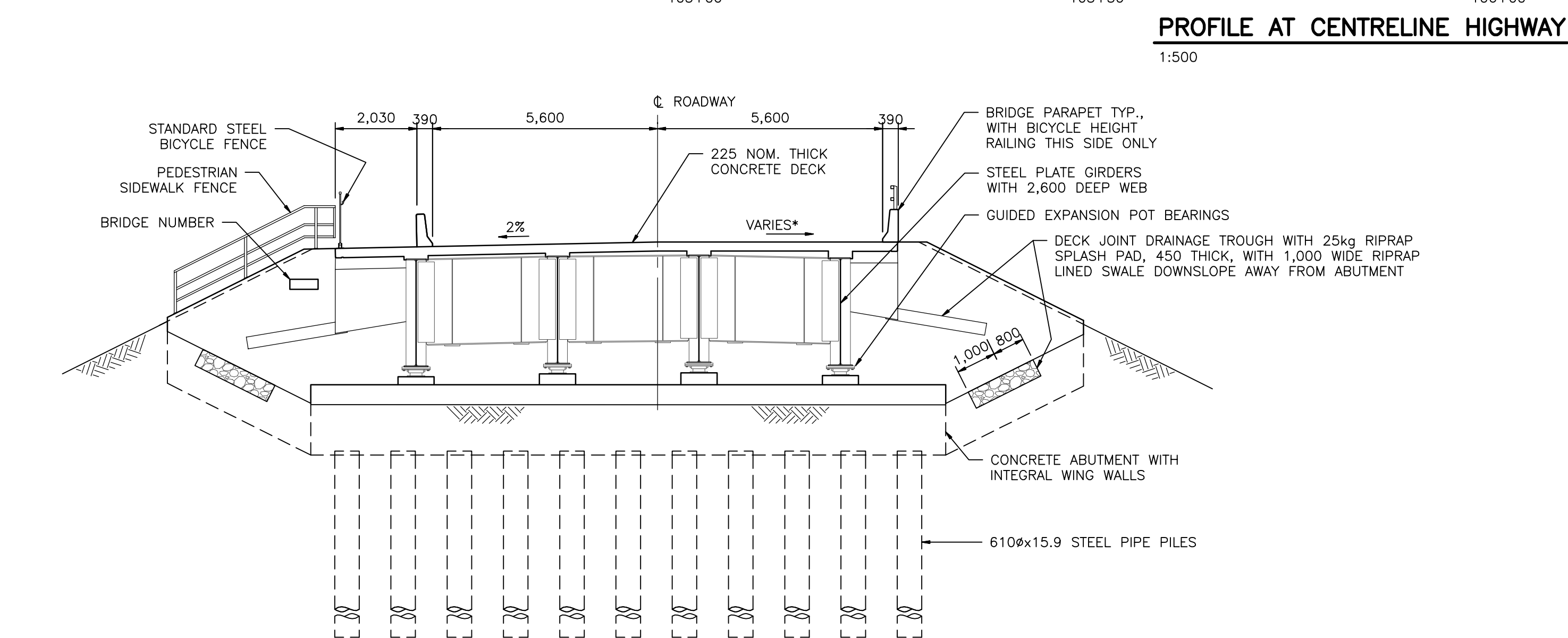
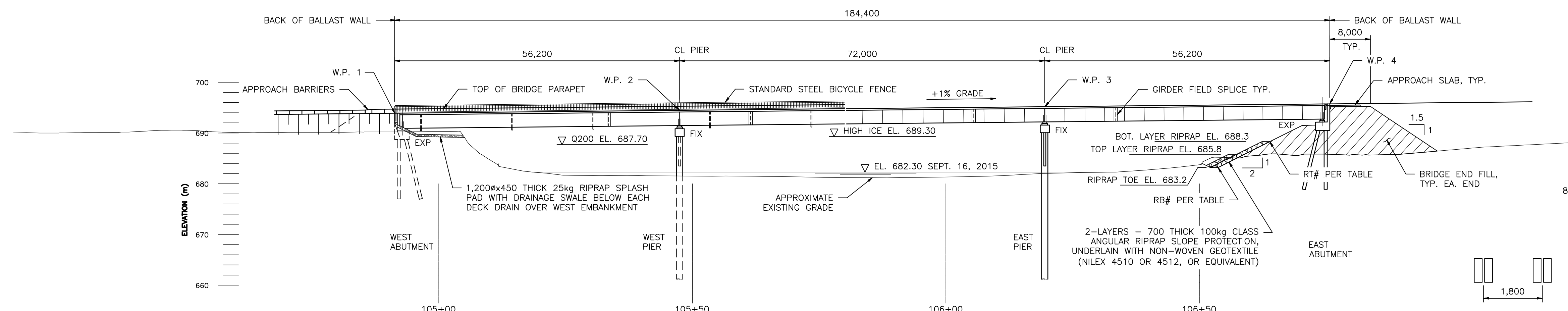
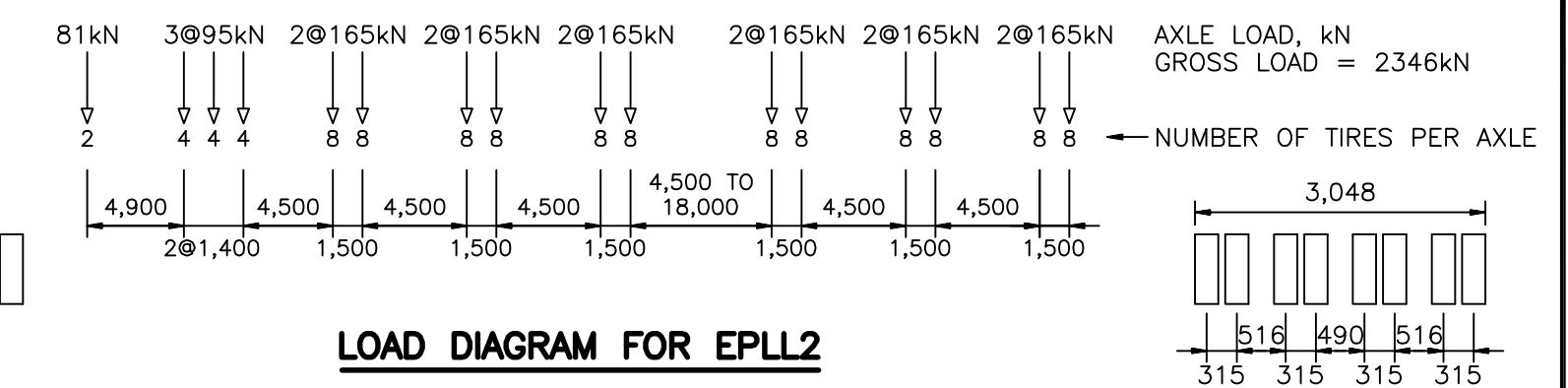
MINIMUM PERFORMANCE LEVELS		
RETURN PERIOD (YEAR)	SERVICE	DAMAGE
475	IMMEDIATE	MINIMAL
975	SERVICE LIMITED	REPAIRABLE
2475	SERVICE DISRUPTION	EXTENSIVE

- MEAN DAILY TEMP. RANGE: MAX. 26°C/MIN. -38°C
- DESIGN TEMP. RANGE: MAX. 39°C/MIN. -33°C
- WIND LOAD: 0.32 kPa (1/50 YEAR IN SERVICE)
0.25 kPa (1/10 YEAR DURING CONSTRUCTION)
- ICE LOAD PER PIER:

	HORIZONTAL (kN)		VERTICAL (kN)
	PARALLEL TO PIER	PERPENDICULAR TO PIER	UP OR DOWN
CASE 1	3073	461	1600
CASE 2	1537	1045	1600

ICE LOADS ARE APPLIED AT EL. 689.3. HORIZONTAL LOADS ARE APPLIED AT FRONTAL PILES, VERTICAL LOADS ARE APPLIED TO ALL PILES EVENLY (320kN/PILE)

- DESIGN SPEED: - 100 km/h
- GEOMETRY SHOWN AT REFERENCE TEMPERATURE OF 15° C



RIPRAP PLAN LAYOUT			
LOCATION	CO-ORDINATES		ELEVATION
	NORTH	EAST	
RT1	107983.600	502095.800	688.3
RT2	108014.000	502089.700	688.3
RB1	107976.100	502088.900	683.2
RB2	108013.600	502079.500	683.2

BRIDGE PLAN LAYOUT				
W.P.	STATION	CO-ORDINATES		ELEVATION (FINISHED GRADE)
		NORTH	EAST	
1	104+91.821	107996.751	501918.596	693.897
2	105+48.021	107998.902	501974.755	694.459
3	106+20.021	108001.658	502046.702	695.179
4	106+76.221	108003.808	502102.861	695.741

AZIMUTH = 357° 48' 24" TYPICAL AT ABUTMENTS AND PIERS

CWMM CONSULTING ENGINEERS LTD.
K5008

Rev	Date	Description	Init

BRITISH COLUMBIA Ministry of Transportation and Infrastructure
Northern Region

FORT GEORGE DISTRICT
HIGHWAY No. 97
PARSNIP RIVER BRIDGE No. 01185
GENERAL ARRANGEMENT - SHEET 1

PREPARED UNDER THE DIRECTION OF	DESIGNED <u>GW</u> DATE <u>AUG. 3, 2017</u>
CHECKED <u>DB</u> DATE <u>AUG. 3, 2017</u>	DRAWN <u>TT</u> DATE <u>AUG. 3, 2017</u>
ENGINEER OF RECORD	SCALE AS NOTED
DATE	NEGATIVE No.
FILE No.	PROJECT No. 37190-000
REG.	DRAWING No. 01185-101