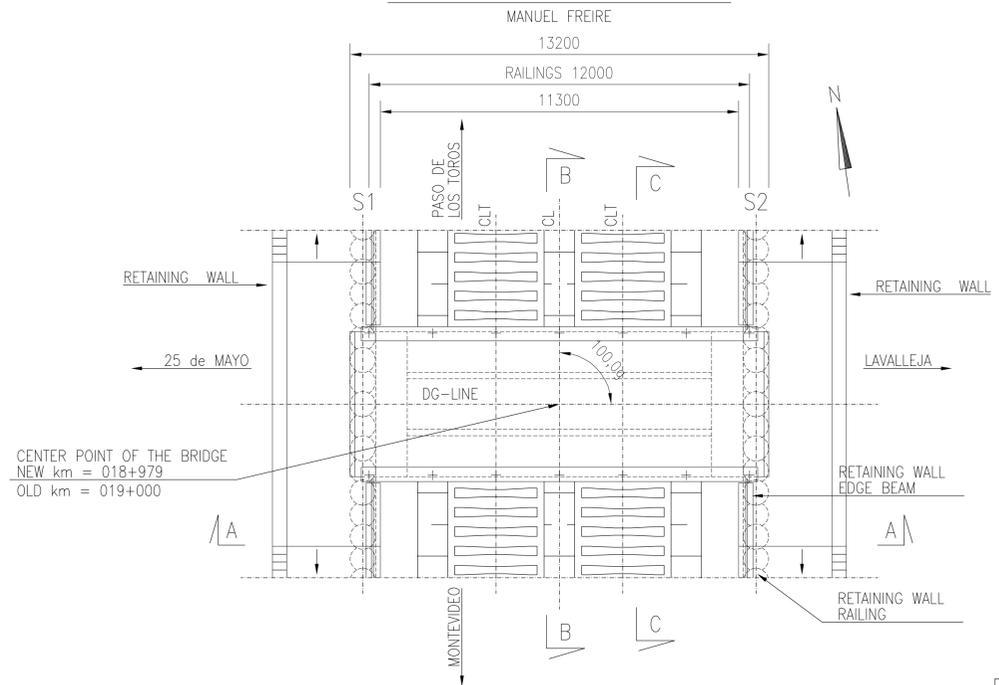
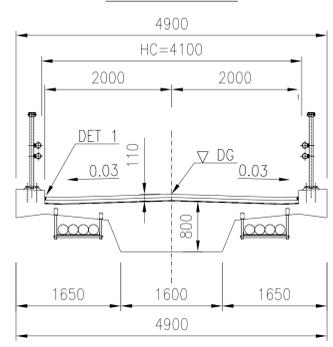


TRENCH OVERPASS BRIDGE 1:100



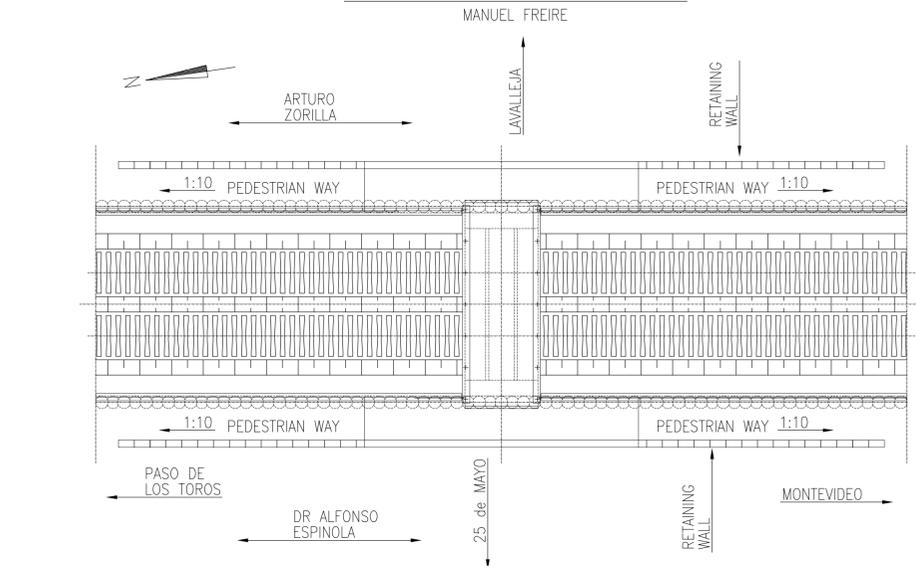
ESTIMATED AMOUNT OF CONCRETE
FRAME: 50 m³
ESTIMATED REINFORCING STEEL
FRAME: 190 kg/m³ (CONCRETE)
PROTECTIVE CONCRETE: 3 kg/m²
ESTIMATED AMOUNT OF RETAINING WALL: 2 x 48 m

B - B 1:50

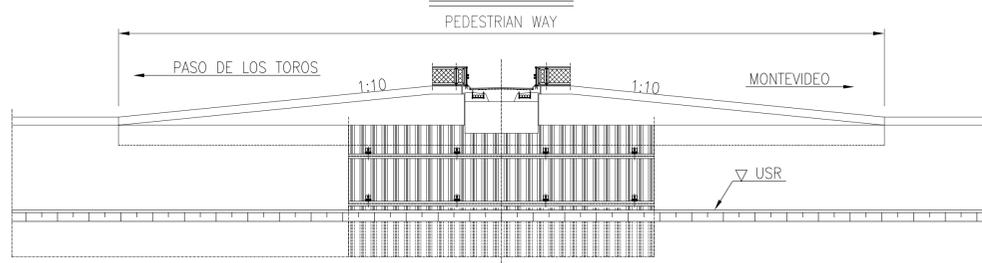


CABLE RACKS AND CABLE DUCTS WILL BE DEFINED IN DETAILED DESIGN PHASE

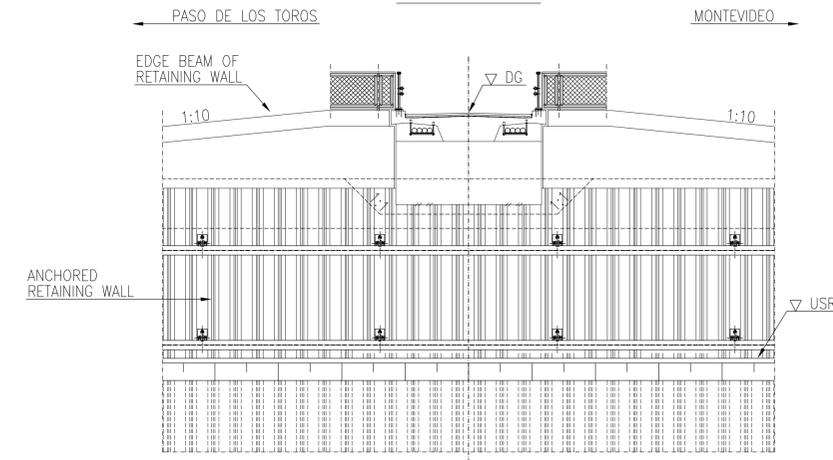
TRENCH OVERPASS BRIDGE 1:200



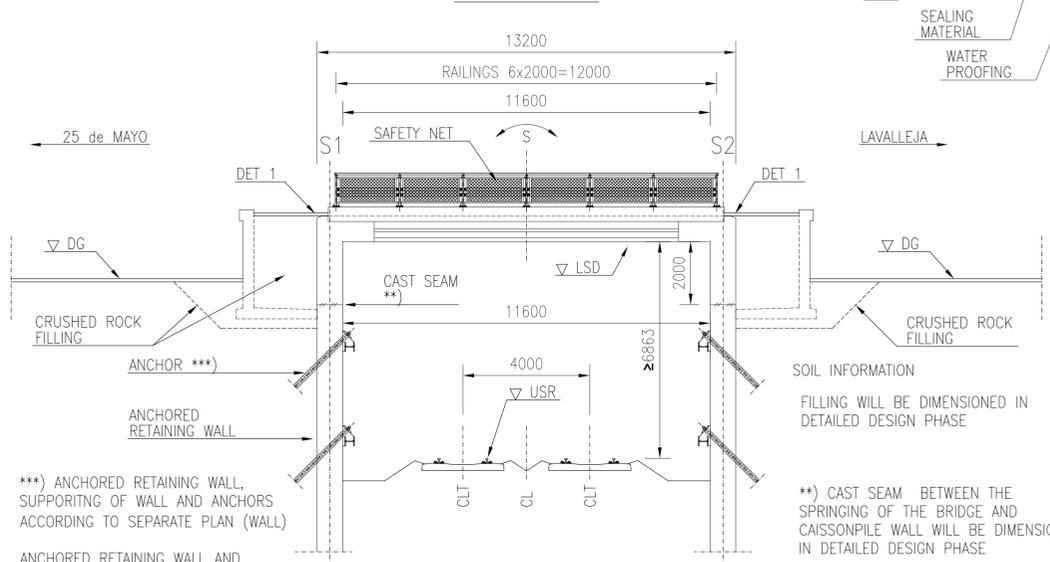
C - C 1:200



C - C 1:100



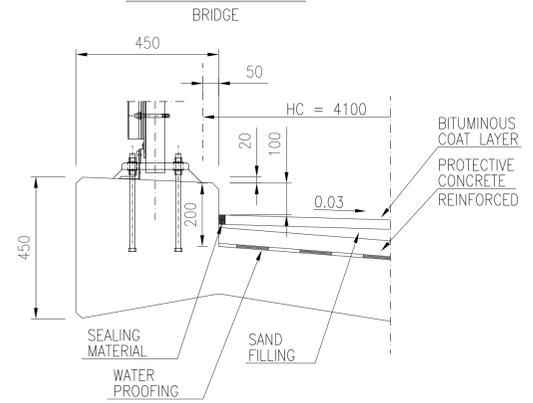
A - A 1:100



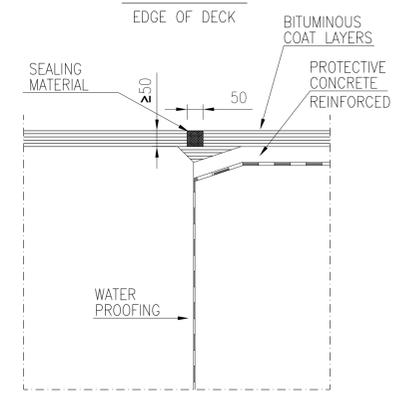
***) ANCHORED RETAINING WALL, SUPPORTING OF WALL AND ANCHORS ACCORDING TO SEPARATE PLAN (WALL)
ANCHORED RETAINING WALL AND ANCHORS WILL BE DIMENSIONED IN DETAILED DESIGN PHASE

**) CAST SEAM BETWEEN THE SPRINGING OF THE BRIDGE AND CAISSONPILE WALL WILL BE DIMENSIONED IN DETAILED DESIGN PHASE

EDGE BEAM 1:10

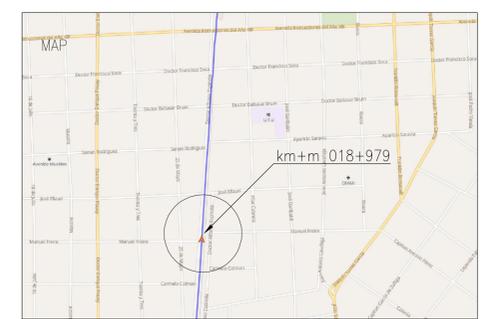


DET 1 1:10



CONCRETE: C35/45
Cmin=40 mm
REINFORCING STEEL: B500B
REINFORCING MESH: B500K
CONSTRUCTIONAL STEEL: S355 J2, HOT-DIP ZINC COATED
RAILING / FENCE: h = 1.1 m
SURFACE STRUCTURE: WATER PROOFING MATERIAL 10 mm
PROTECTIVE CONCRETE, C25/30 50 mm
BITUMINOUS COAT 50 mm
FILLING: REQUIREMENTS ACCORDING TO TRACK INTERMEDIATE LAYER

CLT = CENTER LINE of the TRACK
HC = HORIZONTAL CLEARANCE
LSD = LOWER SURFACE of the DECK
USR = UPPER SURFACE of the RAIL



BRIDGE TYPE	REINFORCED CONCRETE BRIDGE
	FRAME PLATE
CLEAR SPAN	11.60 m
HORIZONTAL CLEAR SPAN	—
VERTICAL CLEARANCE	—
HORIZONTAL CLEARANCE	4.10 m

VERSION
15.12.2017

Revision	Explanation	Date	Designer	Date	Acceptor
Customer	Project Railway Project				
Supplier	Design phase Pre-engineering, Phase 2				
Drawer	Content Overpass bridge Manuel Freire pedestrian flyover Preliminary general drawing Km+m 018+979				
Designer	15.12.2017	Ilkka Tiito	Loading		LM71-25
Supervisor	15.12.2017	Reima Niklander	Coordinate and elevation reference system		WGS 84 UTM 21
Accept.	-	-	Railway line		
Cust. acc.	-	-	Archive	Type	Number
					Rev. Sheet
					OP - 1