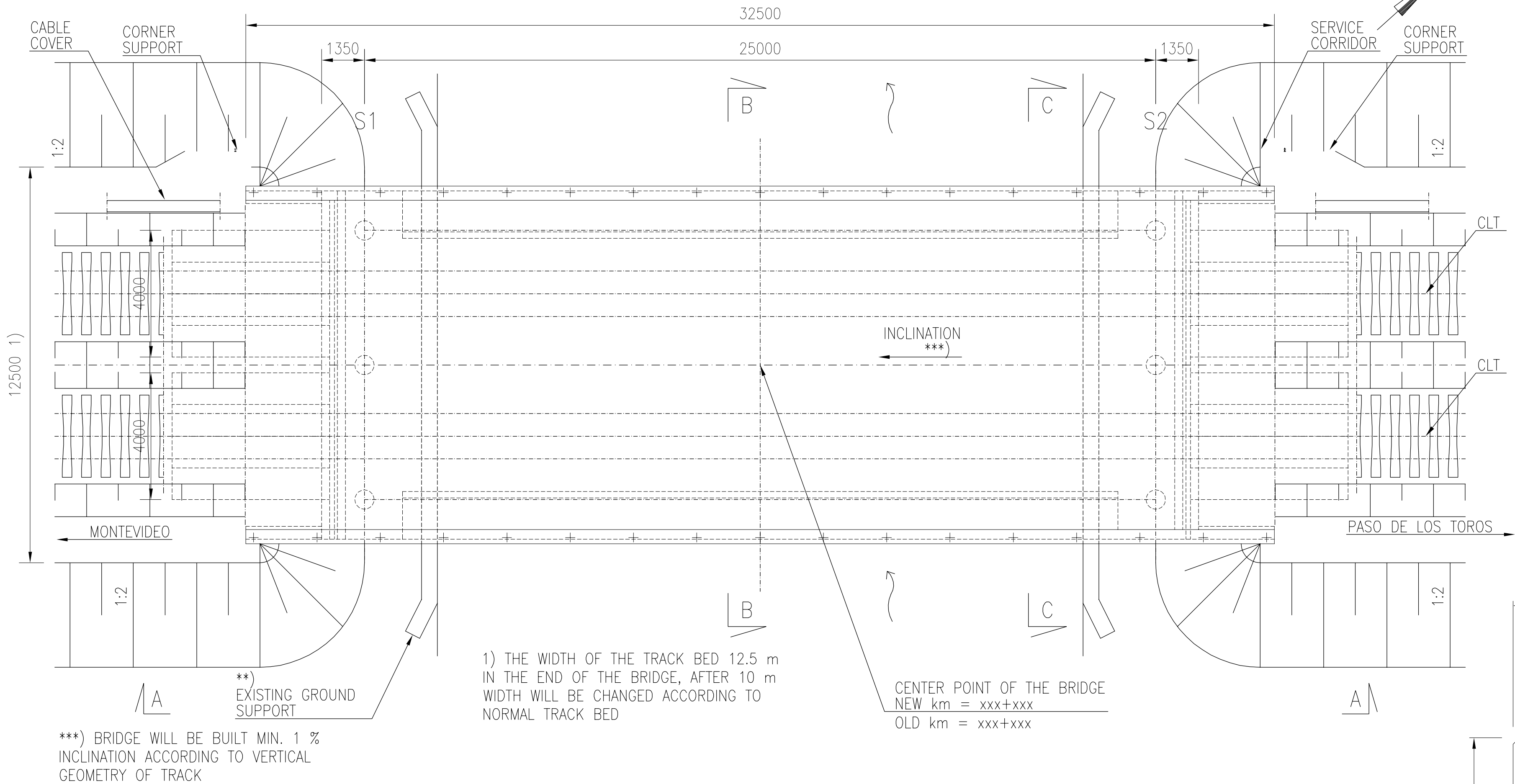


PRESTRESSED CONCRETE BRIDGE 2Tr 25 m 1:100

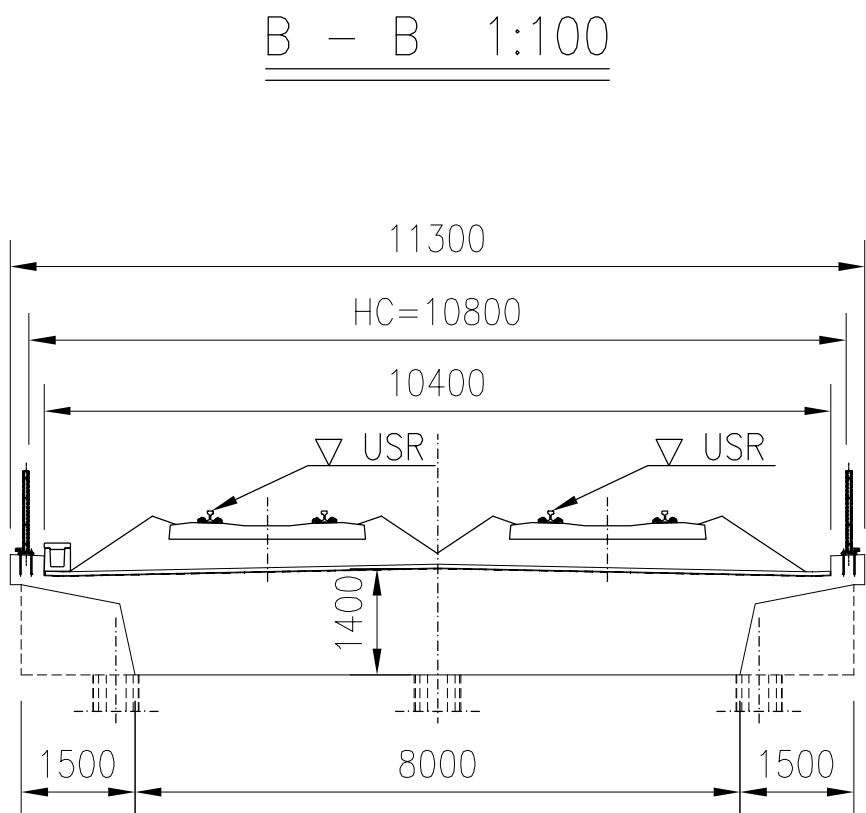


ESTIMATED AMOUNT OF CONCRETE  
PILES: 17 m<sup>3</sup>  
SUPERSTRUCTURE: 372 m<sup>3</sup>

ESTIMATED PRESTRESSING STEEL  
SUPERSTRUCTURE: 23 kg/m<sup>3</sup> (CONCRETE)

ESTIMATED REINFORCING STEEL  
PILES: 1800 kg  
SUPERSTRUCTURE: 90 kg/m<sup>3</sup> (CONCRETE)  
TRANSITION SLABS: 325 kg/m<sup>3</sup> (CONCRETE)

PROTECTIVE CONCRETE: 3 kg/m<sup>2</sup>



CONCRETE: C35/45  
Cmin=40 mm

PRESTRESSING STEEL: St 1570 / 1770  
REINFORCING STEEL: B500B  
REINFORCING MESH: B500K

PILES / FOUNDATION: DRILLED PILES D610x14,2 S355J2H

TRANSITION SLABS: PREFABRICATED TRANSITION SLABS  
2 x 2 x 4 x 1.0 m x 5,0 m  
OR CAST IN SITU 2 x 2 x 4,0 m x 5,0 m  
CONCRETE C35/45

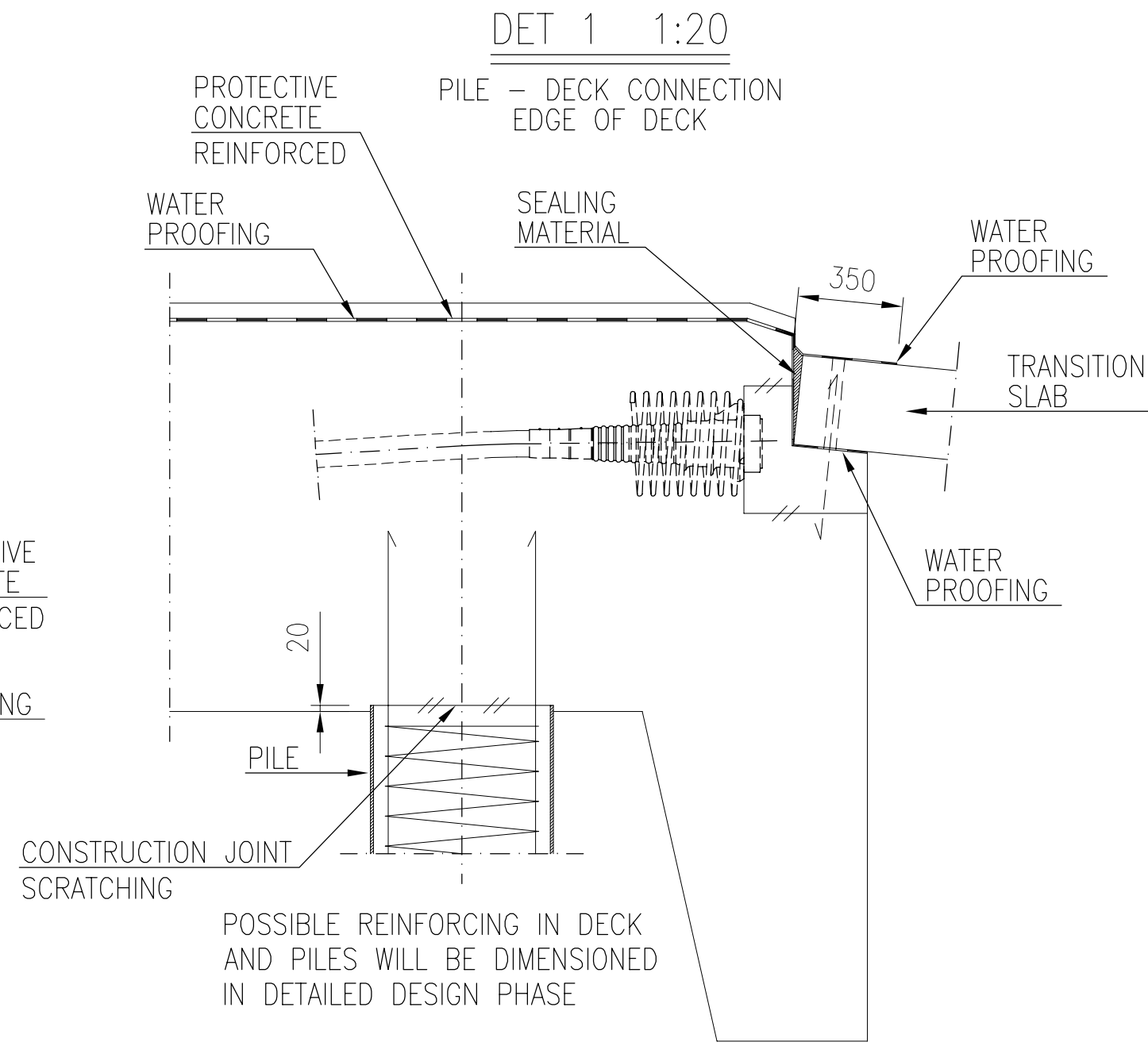
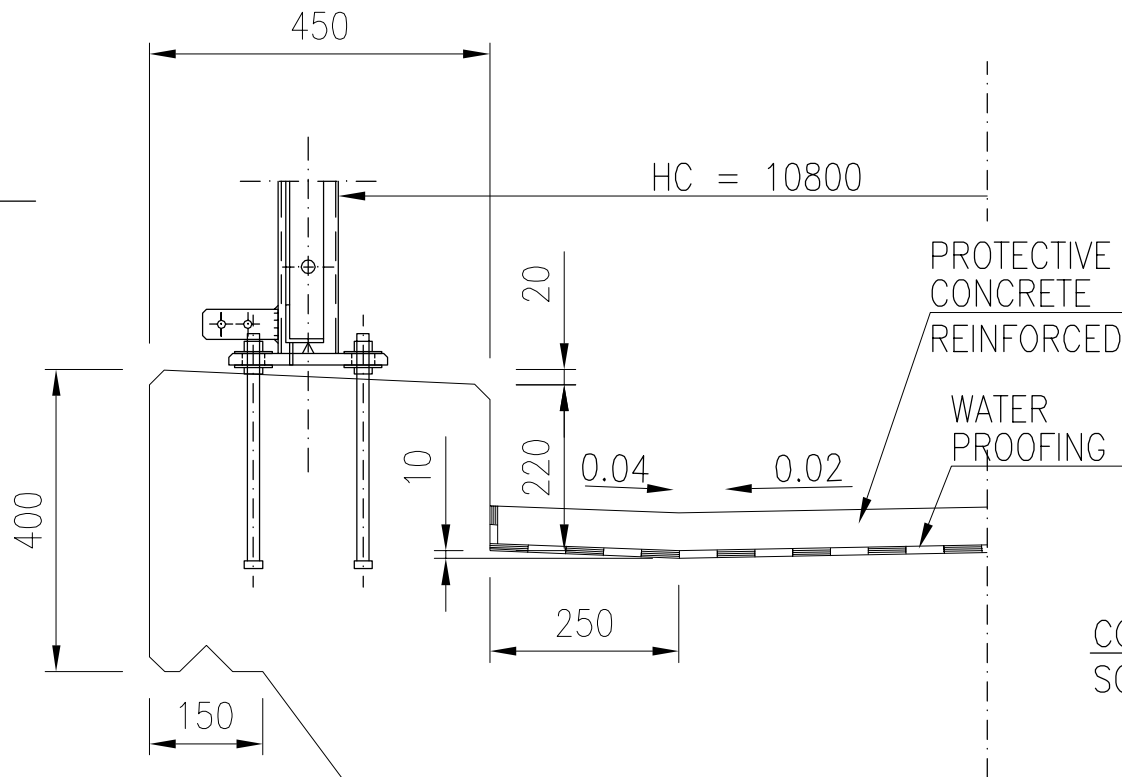
CONSTRUCTIONAL STEEL: S355 J2, HOT-DIP ZINC COATED

RAILING / FENCE: h = 1.1 m  
S355J2H  
HORIZONTAL LINE LOAD 1.0 kN/m  
VERTICAL POINT LOAD 1.0 kN

SURFACE STRUCTURE: WATER PROOFING MATERIAL 10 mm  
PROTECTIVE CONCRETE 50 mm  
BALLAST 550 mm

FILLING: REQUIREMENTS ACCORDING TO TRACK INTERMEDIATE LAYER

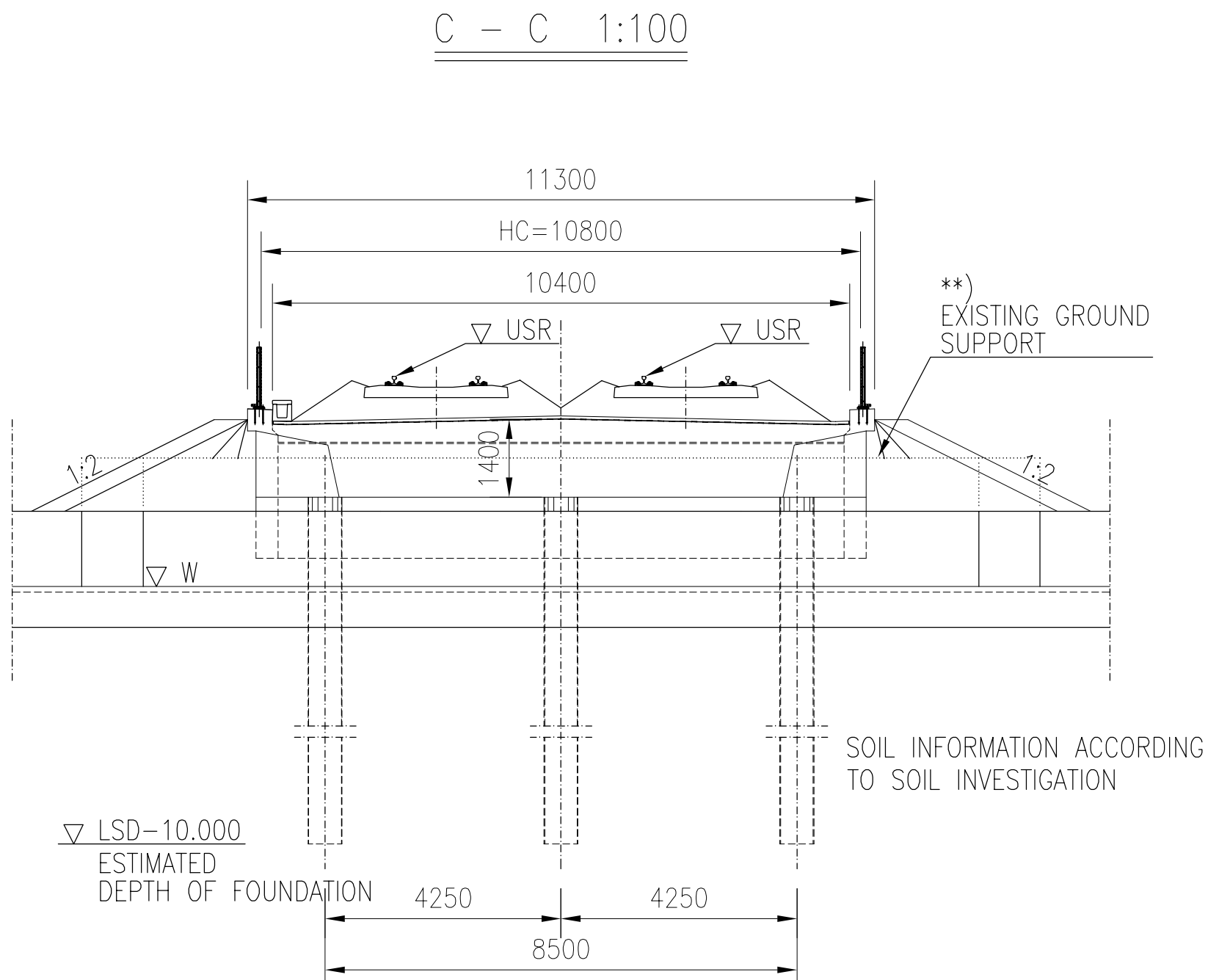
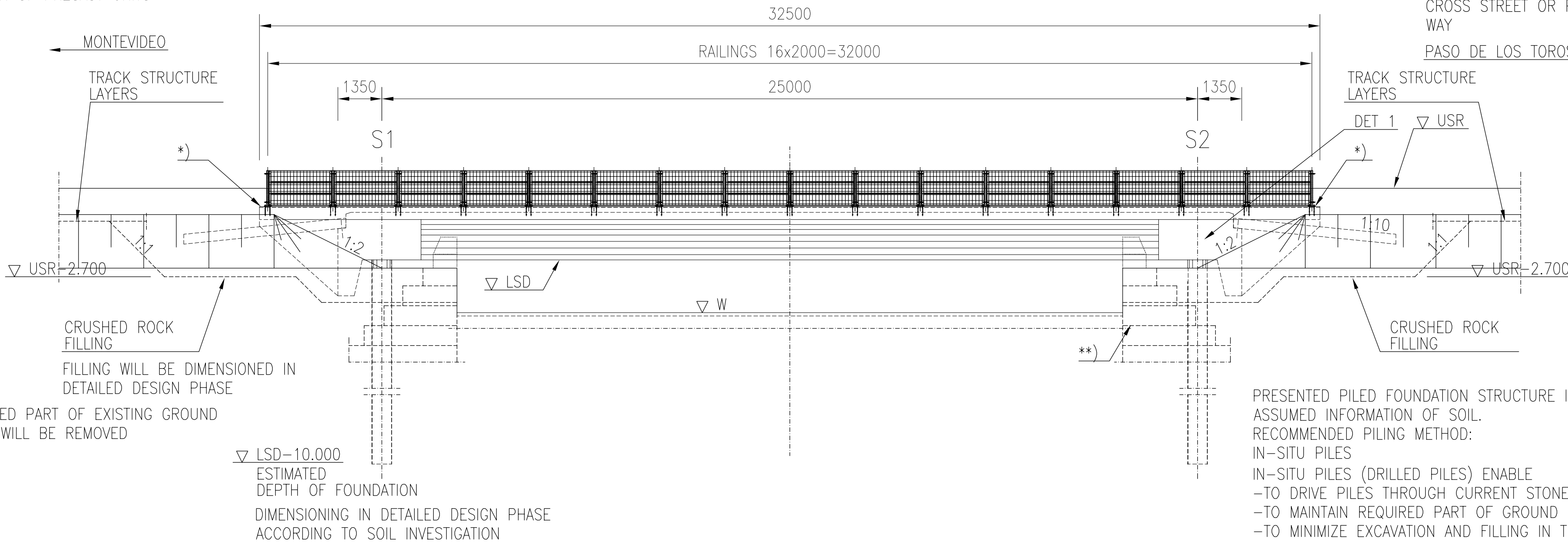
EDGE BEAM 1:10



MAP

A - A 1:100

\*) THE LENGTH OF THE WING WALLS WILL BE VERIFIED IN DETAILED DESIGN PHASE OR BEFORE FABRICATION OF PRECAST UNITS



BRIDGETYPE	PRESTRESSED CONCRETE BRIDGE		
	CANTILEVER PLATE		
SPANS	1.35 m + 25.00 m + 1.35 m		
HORIZONTAL CLEAR SPAN	—	VERTICAL CLEARANCE	—
HORIZONTAL CLEARANCE	10.80 m		

VERSION  
23.10.2017

Revision	Explanation	Date	Designer	Date	Acceptor
Customer	Project Railway Project				
Supplier	Design phase Pre-engineering, Phase 2				
	Content Prestressed concrete bridge 25 m Double track Preliminary general drawing Km+m +-+				
Drawer	23.10.2017	Ilkka Tiito	Loading		
Designer	23.10.2017	Ilkka Tiito	Coordinate and elevation reference system		
Supervisor	23.10.2017	Reima Niklander	Railway line		
Accept.	-	-	Archive	Type	Number
Cust. acc.	-	-	RB	-	1