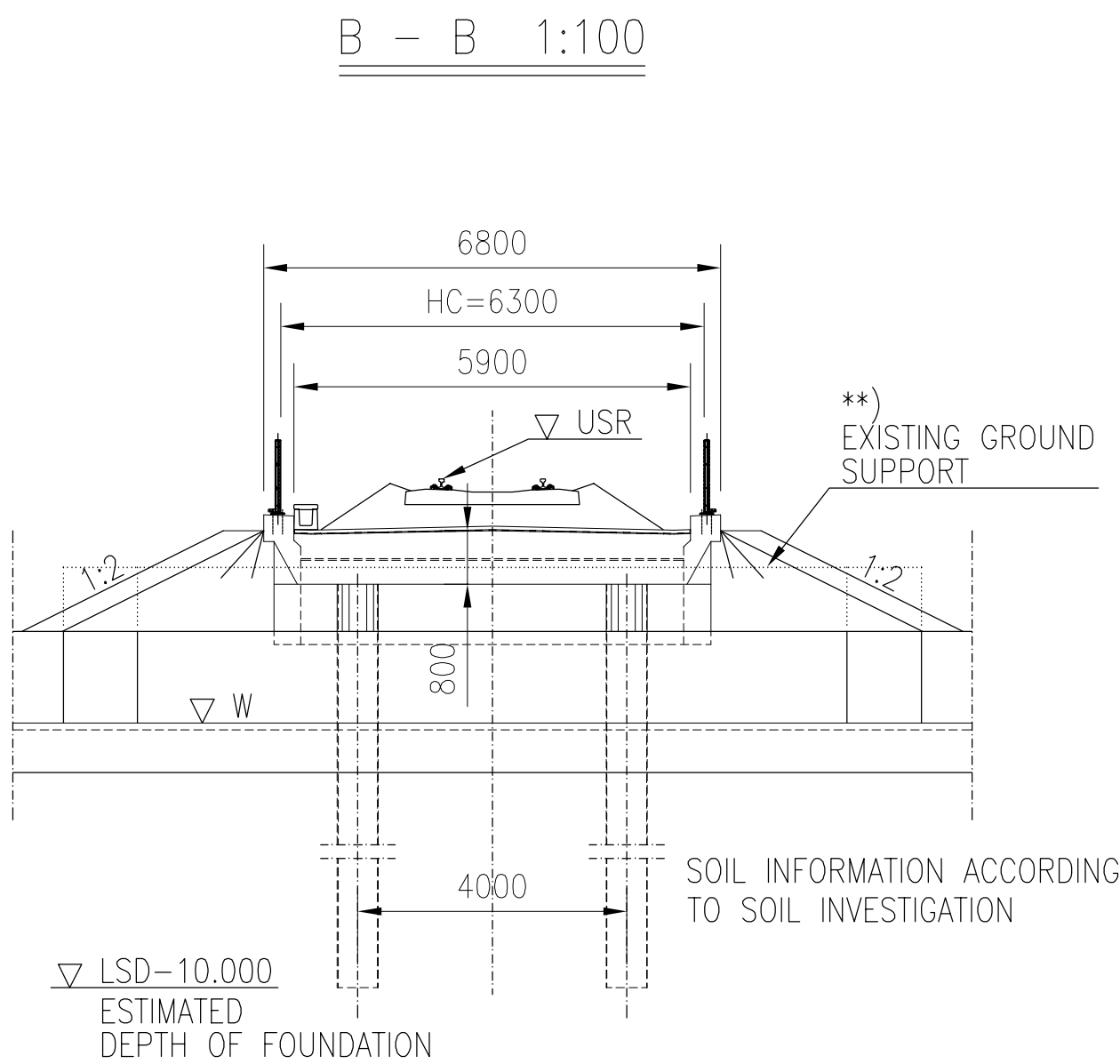
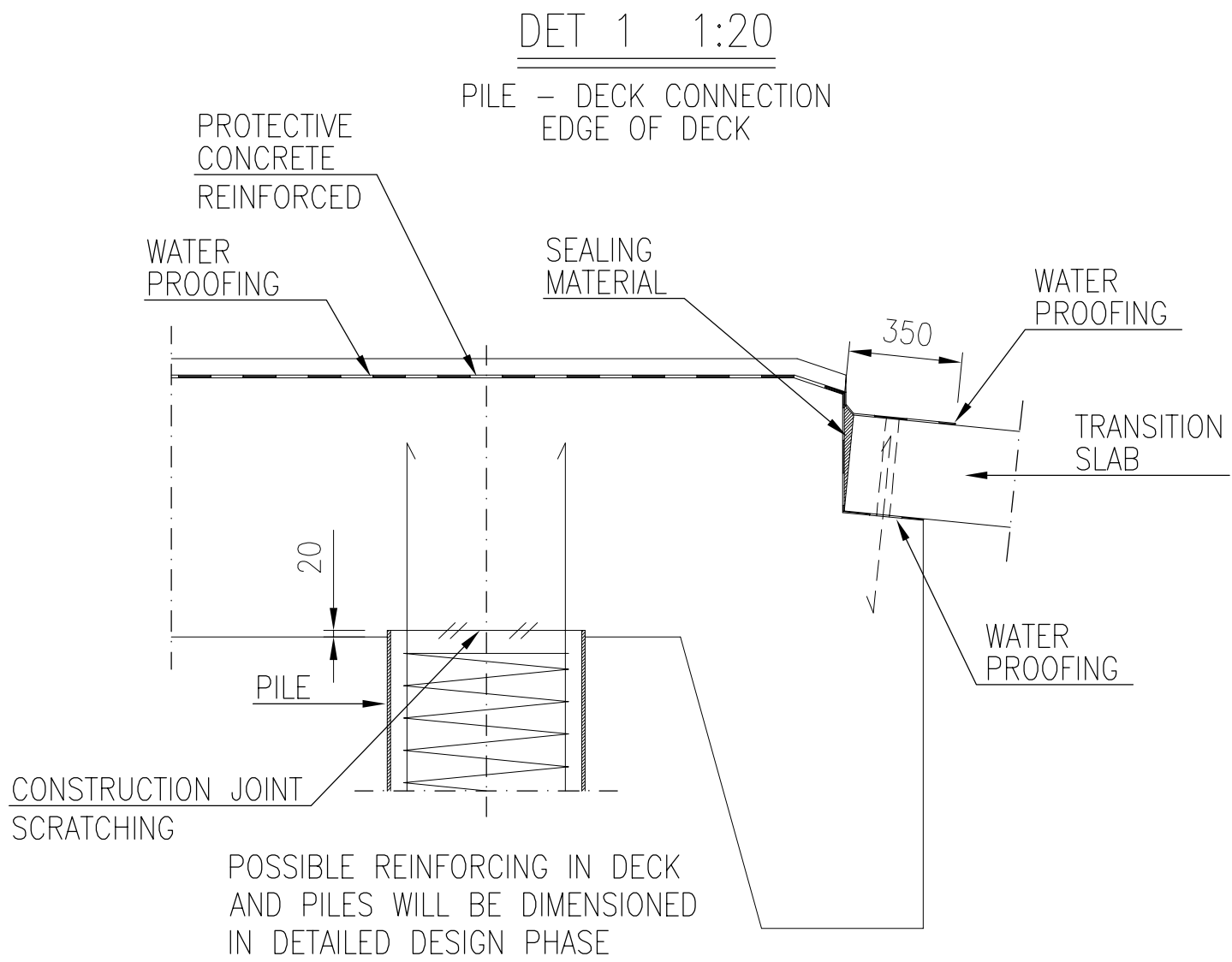
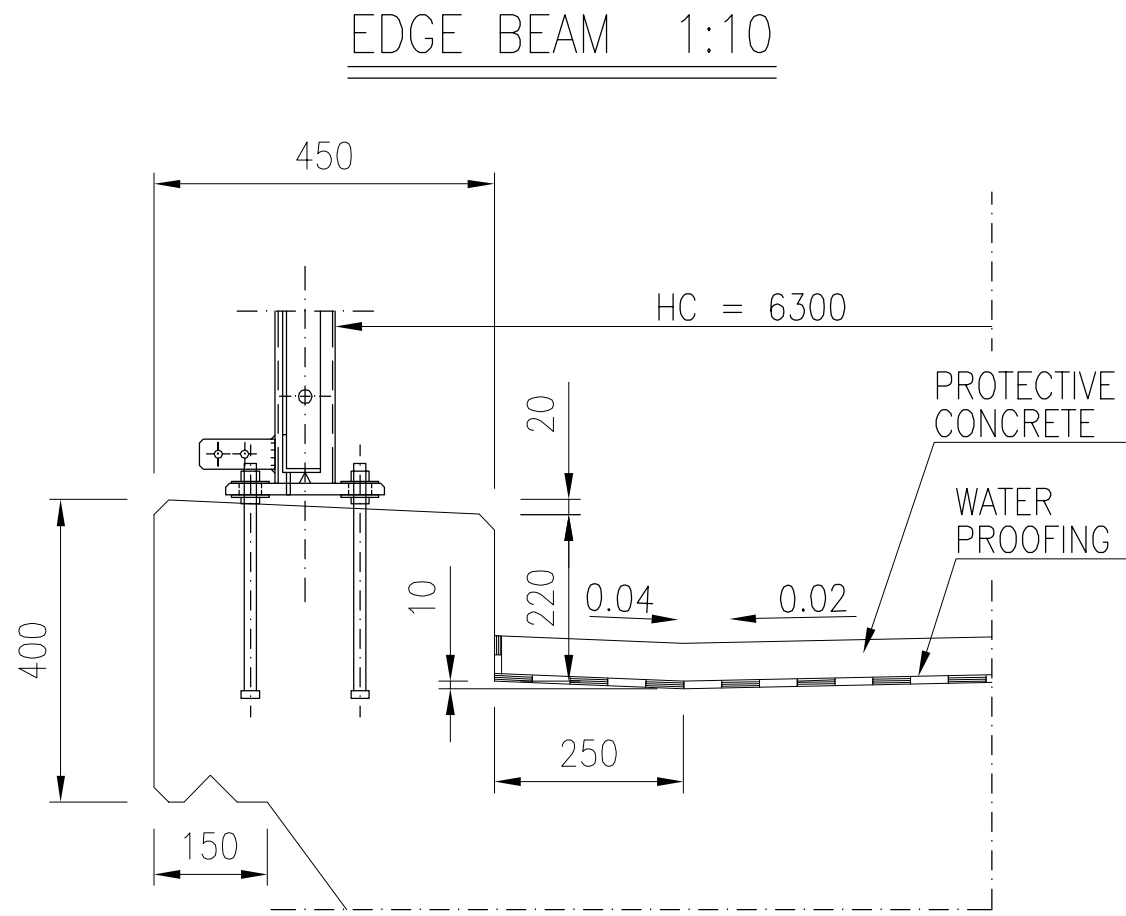
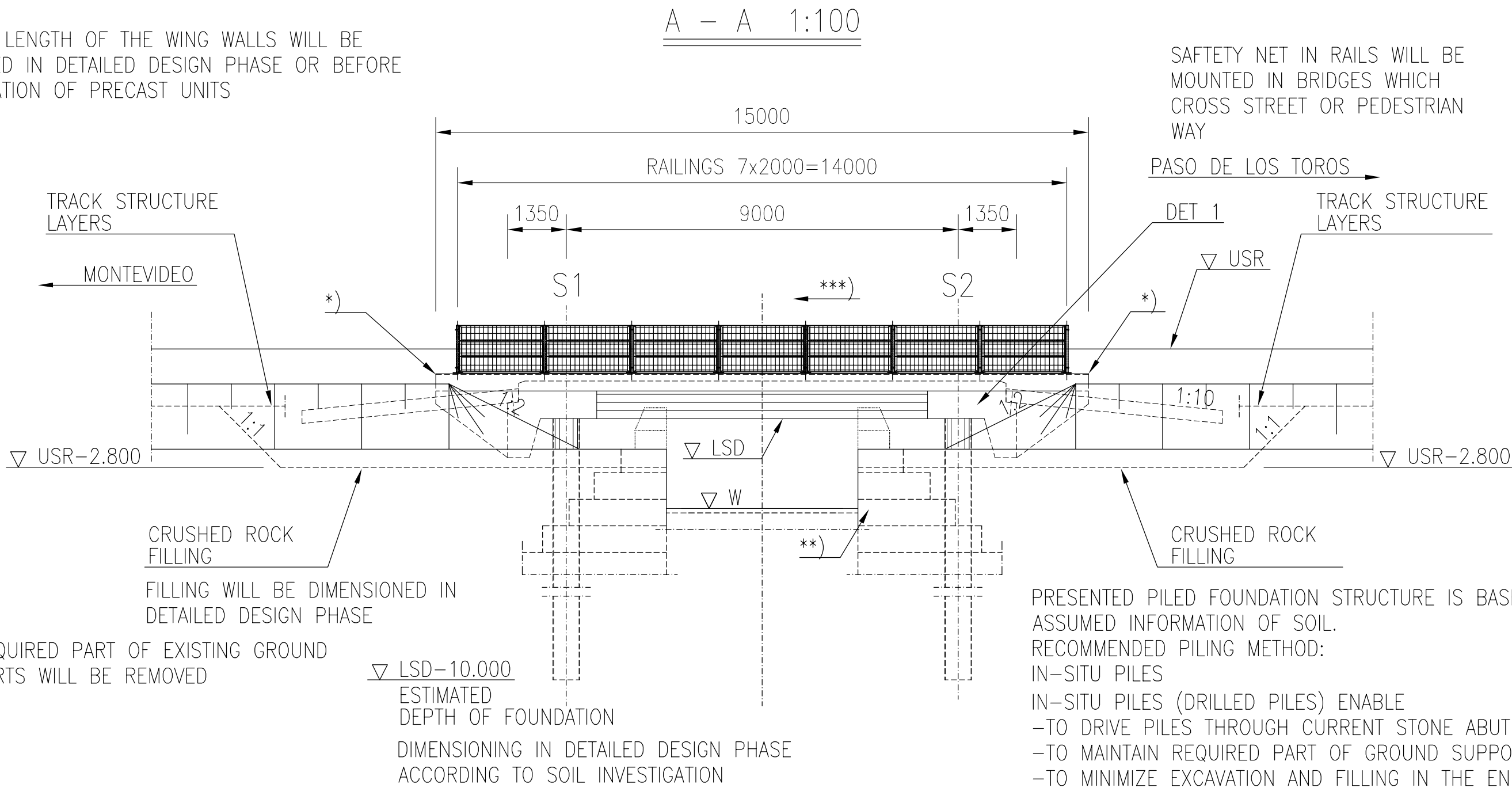


ESTIMATED AMOUNT OF CONCRETE
PILES: 11 m³
SUPERSTRUCTURE: 70 m³

ESTIMATED REINFORCING STEEL
PILES: 1200 kg
SUPERSTRUCTURE: 180 kg/m³ (CONCRETE)
TRANSITION SLABS: 325 kg/m³ (CONCRETE)

PROTECTIVE CONCRETE: 3 kg/m²

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



CONCRETE: C35/45
Cmin=40 mm

REINFORCING STEEL: B500B
REINFORCING MESH: B500K

PILES / FOUNDATION: DRILLED PILES D610x14,2 S355J2H

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

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

MAP

BRIDGETYPE	REINFORCED CONCRETE BRIDGE CANTILEVER PLATE		
SPANS	1.35 m + 9.00 m + 1.35 m		
HORIZONTAL CLEAR SPAN	-	VERTICAL CLEARANCE	-
HORIZONTAL CLEARANCE	6.30 m		

VERSION
23.10.2017

Revision	Explanation	Date	Designer	Date	Acceptor
Customer		Project Railway Project			
 <div>MINISTERIO DE TRANSPORTE Y OBRAS PÚBLICAS</div>		Design phase Pre-engineering, Phase 2			
		Content Cast-in-situ bridge 9 m Preliminary general drawing Km+m +-+			
		Supplier VR TRACK			
Drawer	23.10.2017	Ilkka Tiirio	Loading LM71-25		
Designer	23.10.2017	Ilkka Tiirio	Coordinate and elevation reference system WGS 84 UTM 21		
Supervisor	23.10.2017	Reima Niklander	Railway line		
Accept.	-	-	Archive	Type	Number
Cust. acc.	-	-	Rev.	Sheet	
			RB	-	1