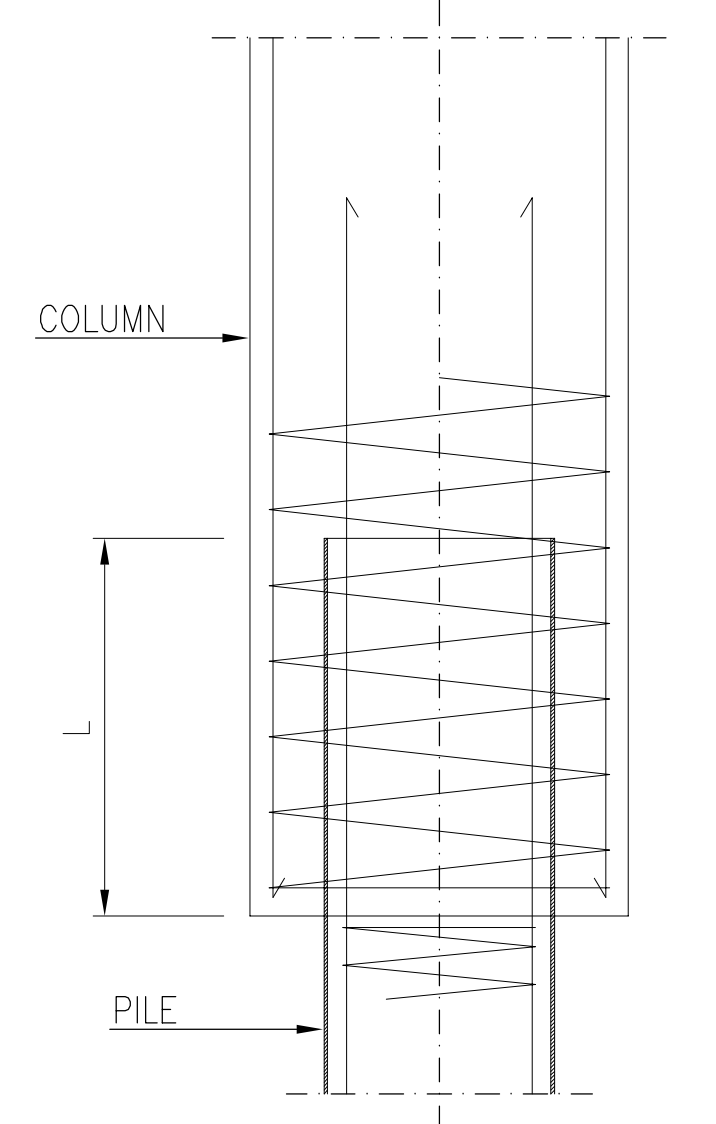


CLT = CENTER LINE of the TRACK
 HC = HORIZONTAL CLEARANCE
 LSD = LOWER SURFACE of the DECK
 USR = UPPER SURFACE of the RAIL



PROTECTIVE CONCRETE REINFORCED

PILE - DECK CONNECTION
EDGE OF DECK

WATER PROOFING

SEALING MATERIAL

350

WATER PROOFING

TRANSITION SLAB

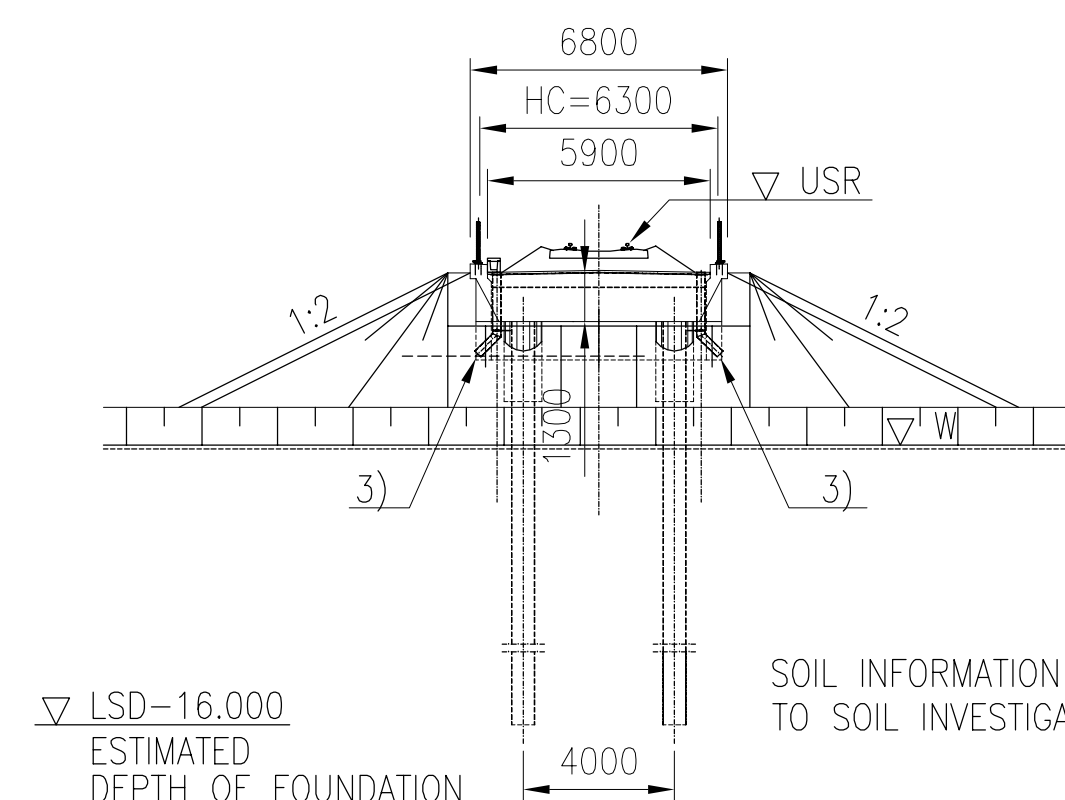
WATER PROOFING

20

PILE

CONSTRUCTION JOINT
SCRATCHING

POSSIBLE REINFORCING IN DECK
AND PILES WILL BE DIMENSIONED
IN DETAILED DESIGN PHASE





Technical drawing of a bridge cross-section. The drawing shows a trapezoidal bridge deck with a central roadway and side slopes. Key dimensions and features include:

- Top Width:** 6800
- Top Chord Length:** HC=6300
- Inner Width:** 5900
- Bridge Deck Slope:** Indicated by a triangle and the text "USR".
- Bridge Deck Height:** 1300
- Bridge Deck Width at Base:** 5300
- Bridge Deck Height at Base:** 750
- Bridge Deck Width at Base (Total):** 6800

BRIDGE TYPE	PRESTRESSED CONCRETE BRIDGE CONTINUOUS CANTILEVER PLATE	
SPANS	1.60m + 14.80m + 18.50m + 14.80m + 1.60m	
HORIZONTAL CLEAR SPAN	—	VERTICAL CLEARANCE —
HORIZONTAL CLEARANCE	6.30 m	

VERSION
23.10.2017

Revision	Explanation	Date	Designer	Date	Approver			
Customer			Project					
 MINISTERIO DE TRANSPORTE Y OBRAS PÚBLICAS			Day Project					
			Design phase					
			Pre-engineering, Phase 2					
Supplier			Content					
			Railway bridge CiSP 48 m prestressed Preliminary general drawing Km+m +-					
			Leading					
			LM71-25					
Drawer	23.10.2017	Ilkka Tiiri	Coordinate and elevation reference system					
Designer	23.10.2017	Ilkka Tiiri	WGS 84 UTM 21					
Supervisor	23.10.2017	Reima Niklander	Railway line					
Accept.	-	-	Archive	Type	Number	Rev.	Sheet	
Cust. acc.	-	-	RB				xxxx	1

PRESENTED PILED FOUNDATION STRUCTURE IS
BASED ON ASSUMED INFORMATION OF SOIL.
RECOMMENDED PILING METHOD:
IN-SITU PILES
IN-SITU PILES (DRILLED PILES) ENABLE
-TO DRIVE PILES THROUGH CURRENT STONE
ABUTMENT -TO MAINTAIN REQUIRED PART OF
GROUND SUPPORT
-TO MINIMIZE EXCAVATION AND FILLING IN THE END
OF THE BRIDGE
-TO SHORTEN THE NEEDED CONSTRUCTION TIME