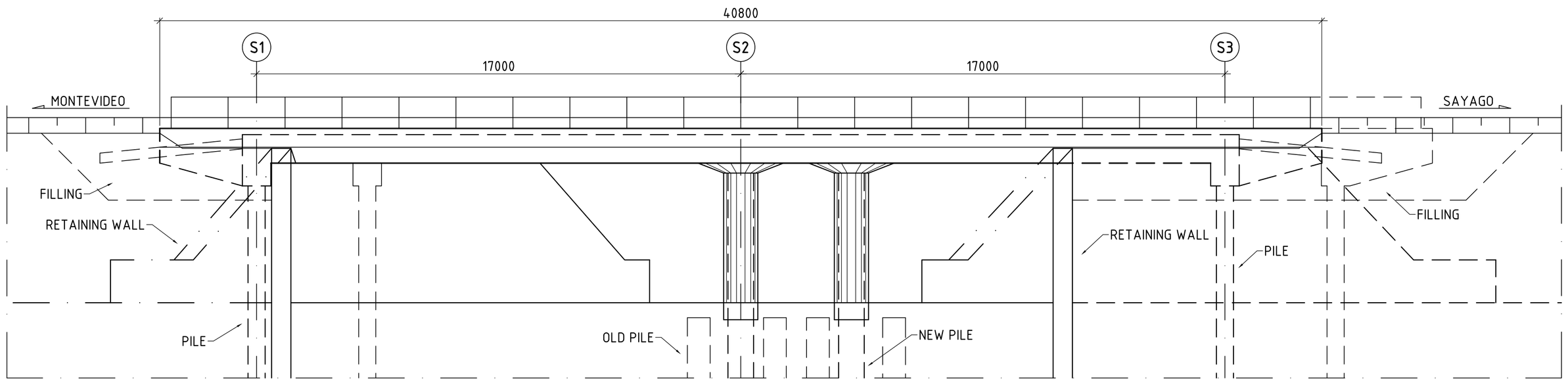
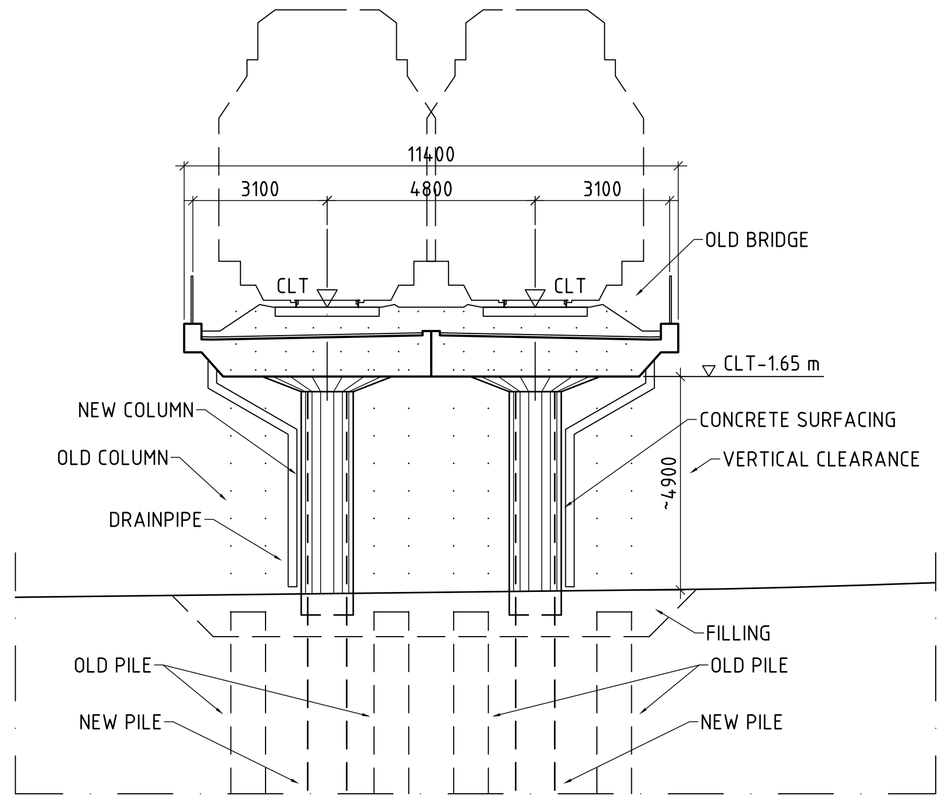
PROFILE C-C 1:100



CROSS SECTION A-A 1:100



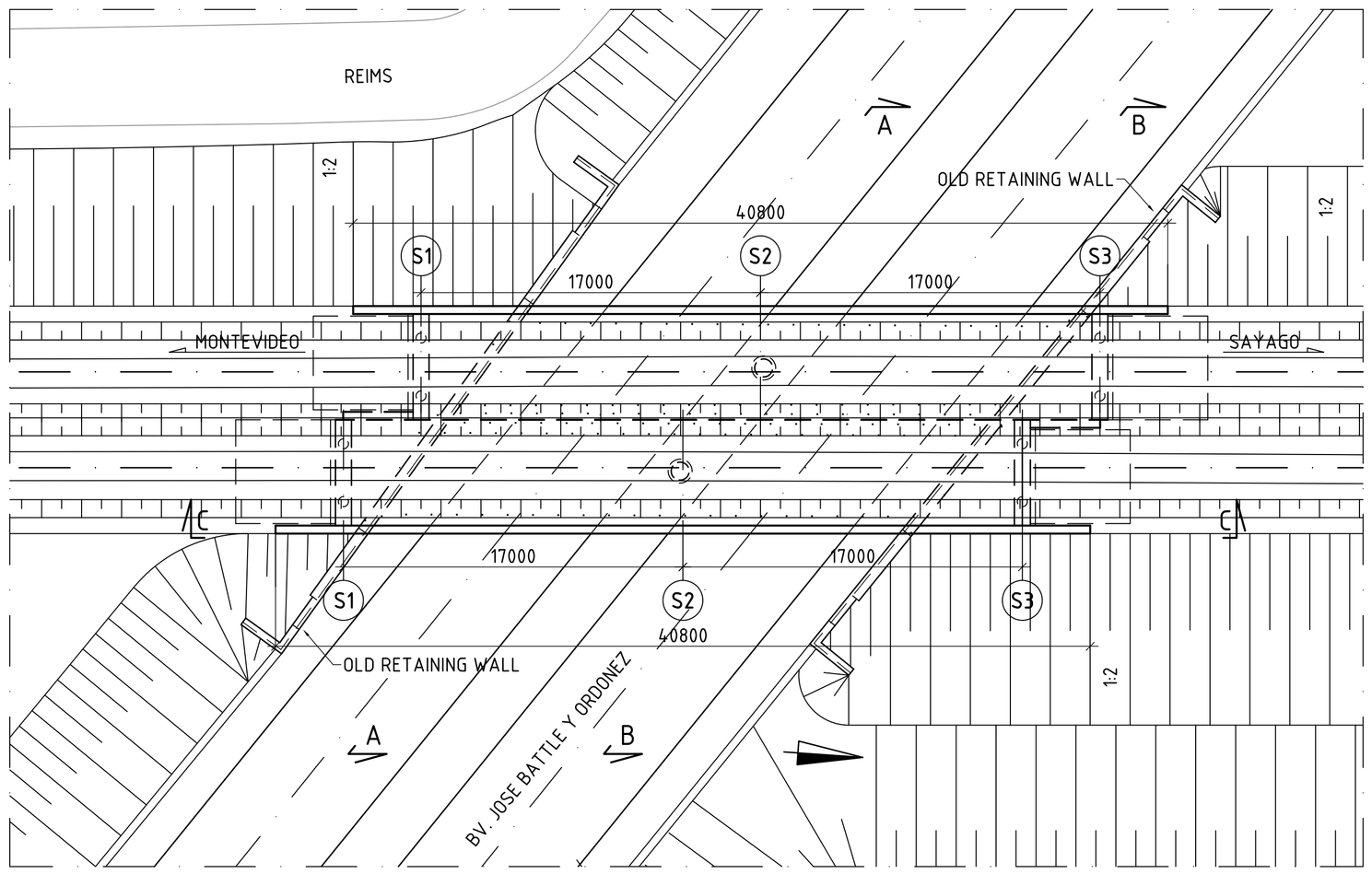
CONCRETE:	C40/50, Cmin=40 mm		
REINFORCING STEEL:	B500B	PRESTRESSING STEEL:	St1600/1860
PILES / FOUNDATION:	PILES, FOUNDATIONS AND FILLINGS WILL BE DIMENSIONED IN DETAILED DESIGN PHASE		
TRANSITION SLABS:	PREFABRICATED TRANSITON SLABS 3,0 m OR CAST IN SITU 3,0 m, CONCRETE C35/45		
CONSTRUCTIONAL STEEL:	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 PROTECTIVE CONCRETE BALLAST	10 mm 50 mm 550 mm	

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

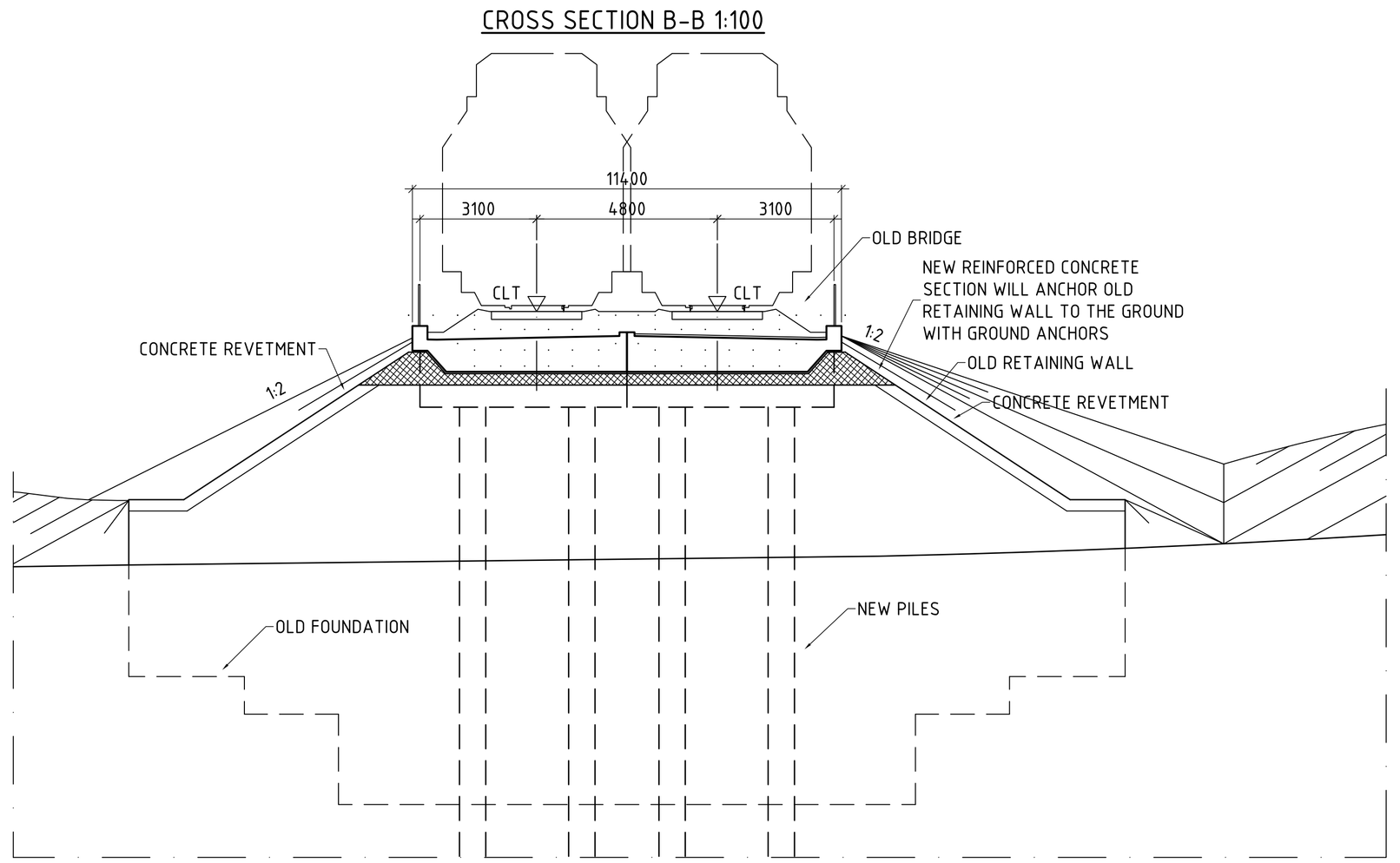
ESTIMATED CONCRETE			
SUBSTRUCTURE:	100 m3	SUPERSTRUCTURE:	380 m3
TRANSITION SLABS:	40 m3		
ESTIMATED REINFORCING STEEL			
SUBSTRUCTURE:	9500 kg	SUPERSTRUCTURE:	50000 kg
ESTIMATED PRESTRESSING STEEL			
SUPERSTRUCTURE:	9000 kg		
RAILING	80 m		

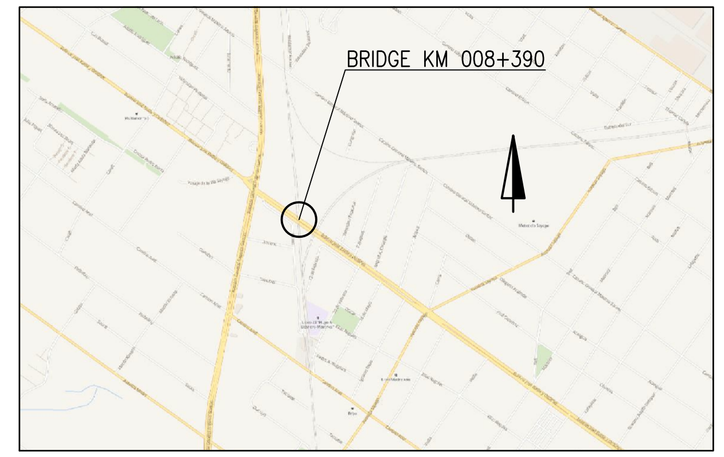
VERTICAL CLEARANCE WILL BE CONFIRMED IN DETAILED DESIGN PHASE WITH DETAILED ROAD AND TRACK DESIGN.

LAYOUT 1:200



CROSS SECTION B-B 1:100





BRIDGETYPE	CONTINUOUS PRESTRESSED CONCRETE GIRDER BRIDGE		
SPANS	17.0 + 17.0 m		
HORIZONTAL CLEAR SPAN	–	VERTICAL CLEARANCE	> 5.5 m (4.9 m)
HORIZONTAL CLEARANCE	–		

VERSION 15.12.2017

Revision	Explanation	Date	Designer	Date	Acceptor

Customer: MINISTERIO DE TRANSPORTE Y OBRAS PÚBLICAS
Supplier: VR TRACK

Project: Railway Project
Design phase: Pre-engineering, Phase 2
Content: Bv Jose Batlle Y Ordonez underpass
Preliminary general drawing
Km+m 008+390

Drawer	15.12.2017	Tomi Weckman	
Designer	15.12.2017	Tomi Weckman	
Supervisor	15.12.2017	Reima Niklander	
Accept.			
Cust. acc.			

Loading: LM71-25
Coordinate and elevation reference system: WGS 84 UTM 21
Railway line
Archive | Type | Number | Rev. | Sheet
- 1