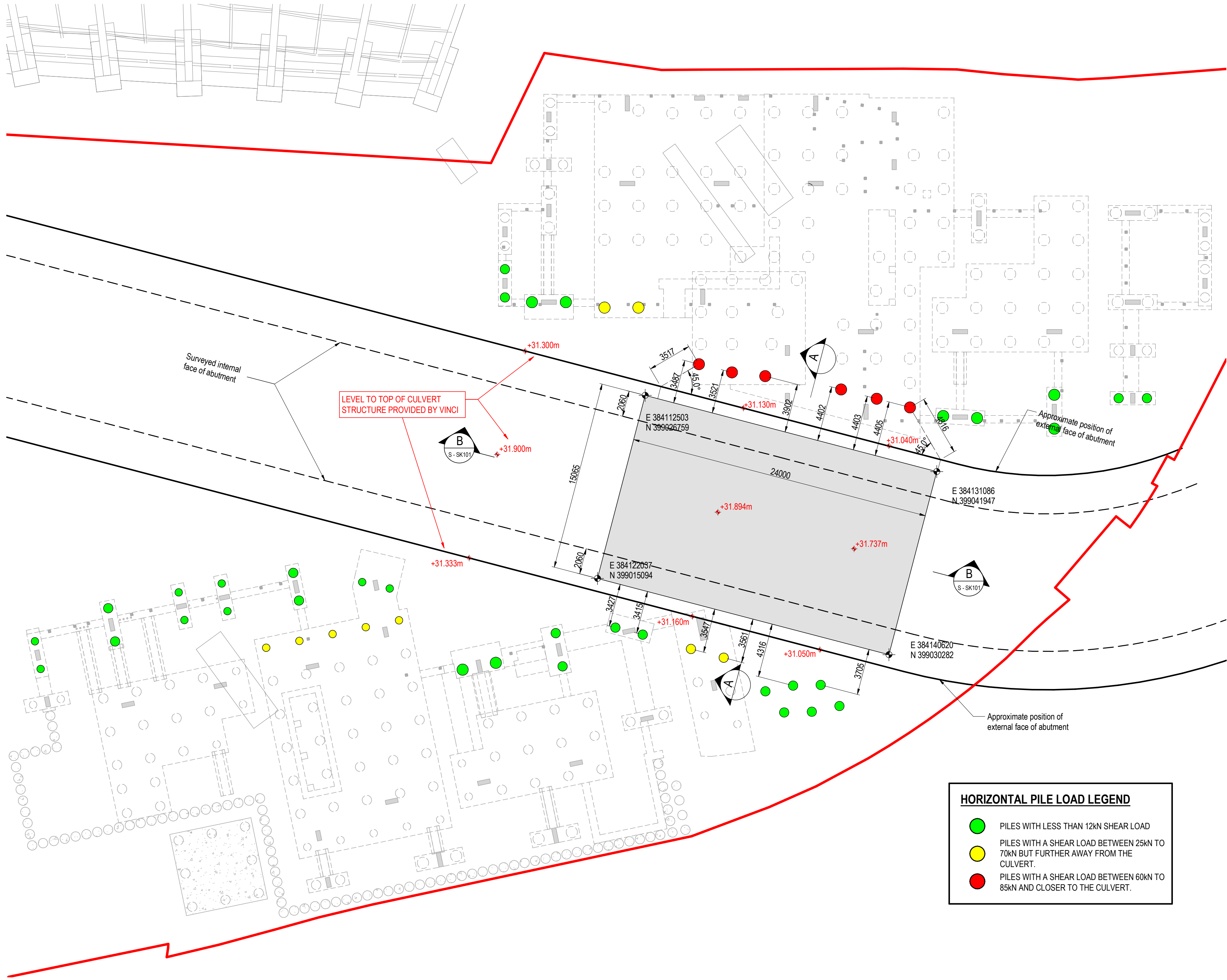
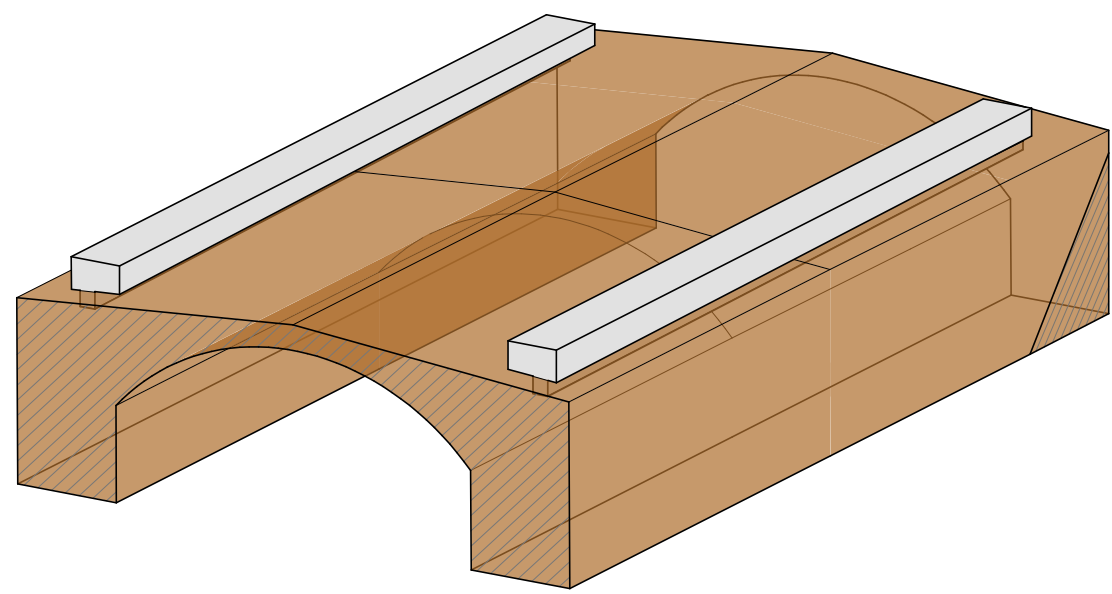
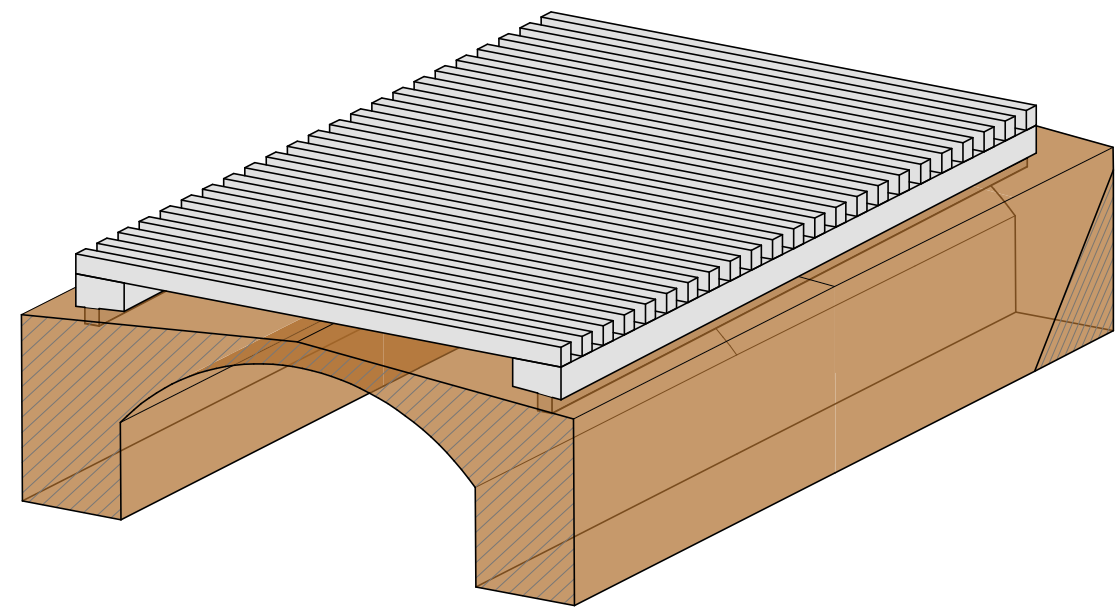




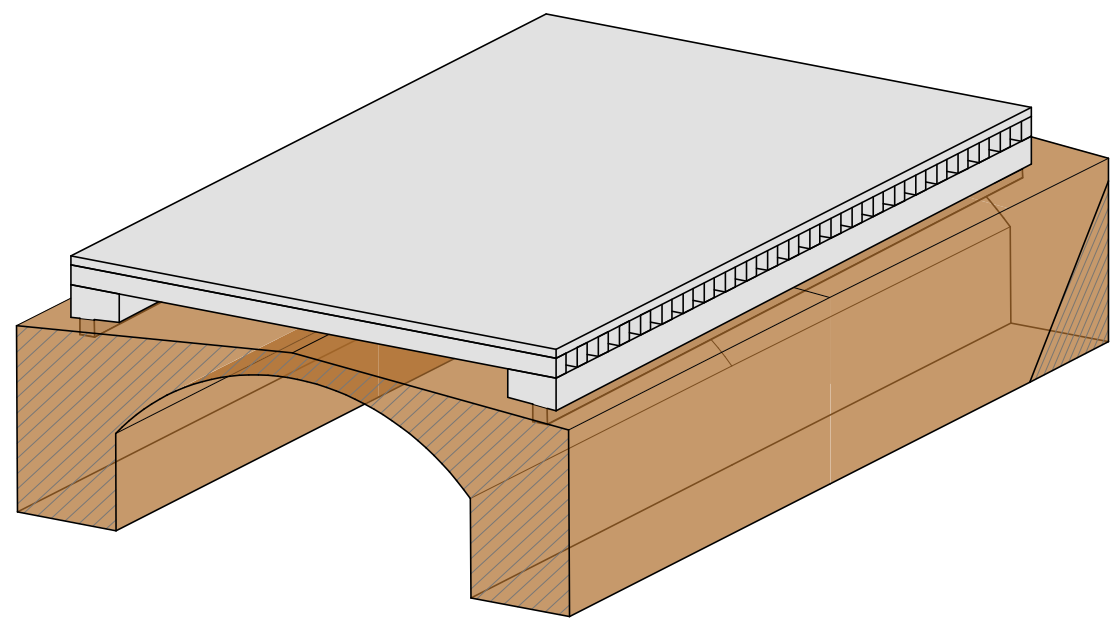
HORIZONTAL PILE LOAD LEGEND	
●	PILES WITH LESS THAN 12kN SHEAR LOAD
●	PILES WITH A SHEAR LOAD BETWEEN 25kN TO 70kN BUT FURTHER AWAY FROM THE CULVERT.
●	PILES WITH A SHEAR LOAD BETWEEN 60kN TO 85kN AND CLOSER TO THE CULVERT.



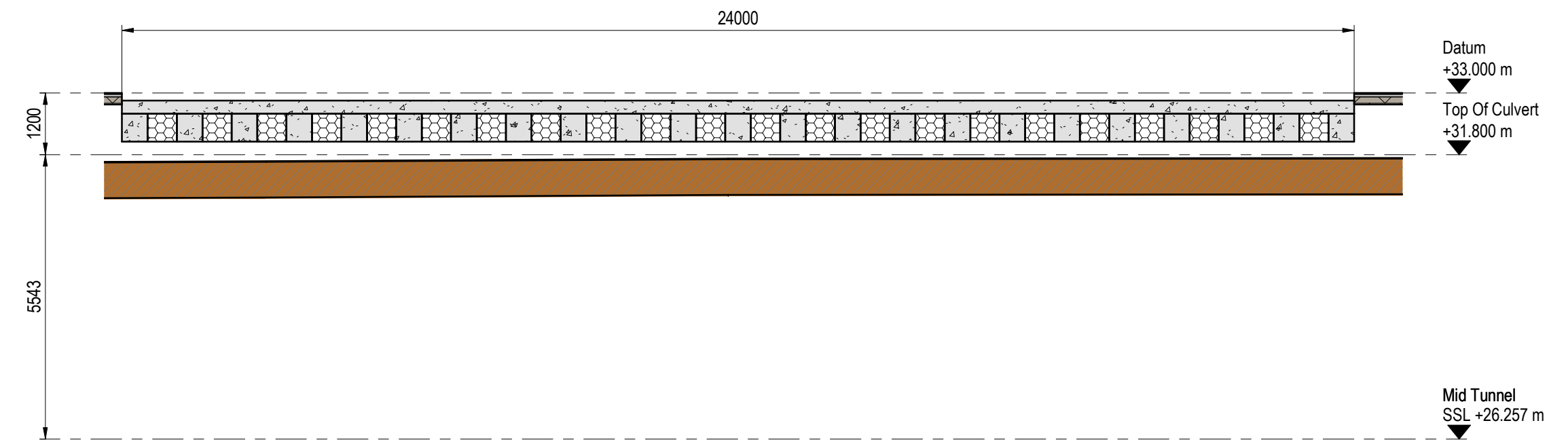
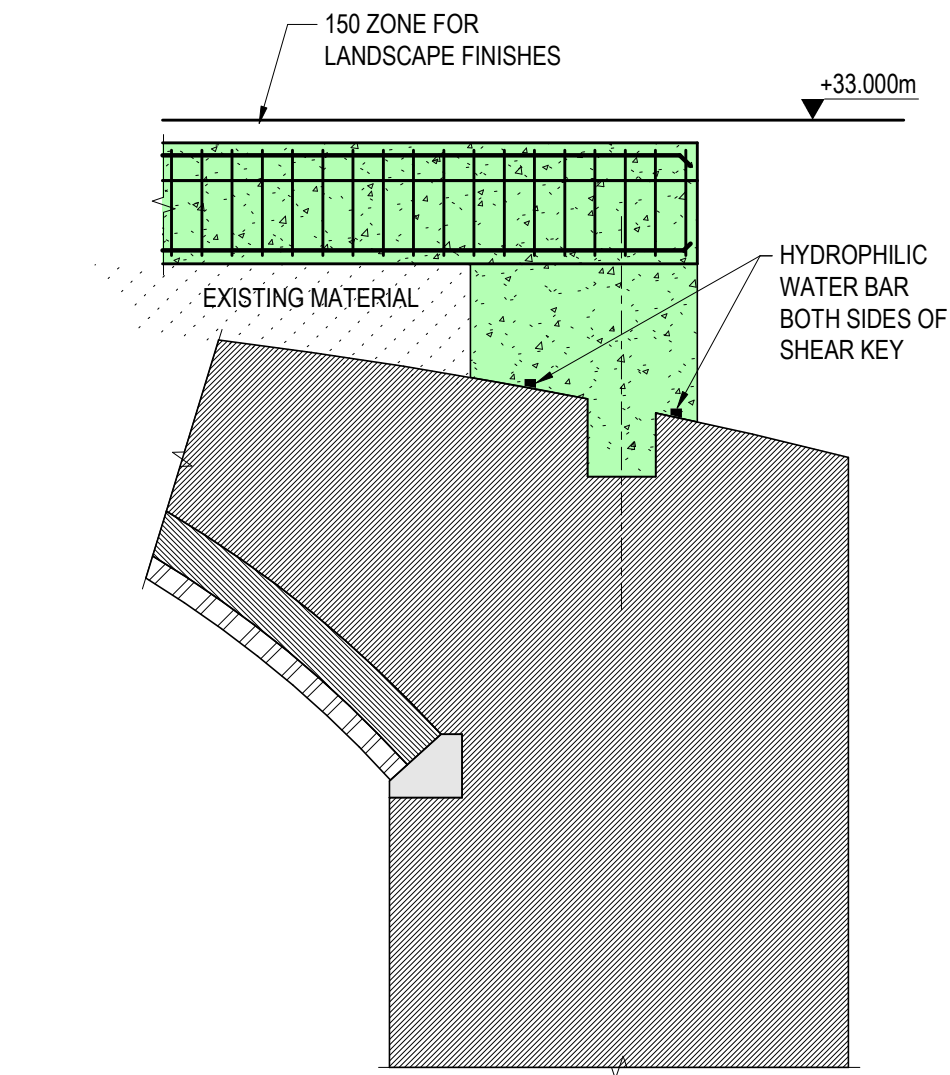
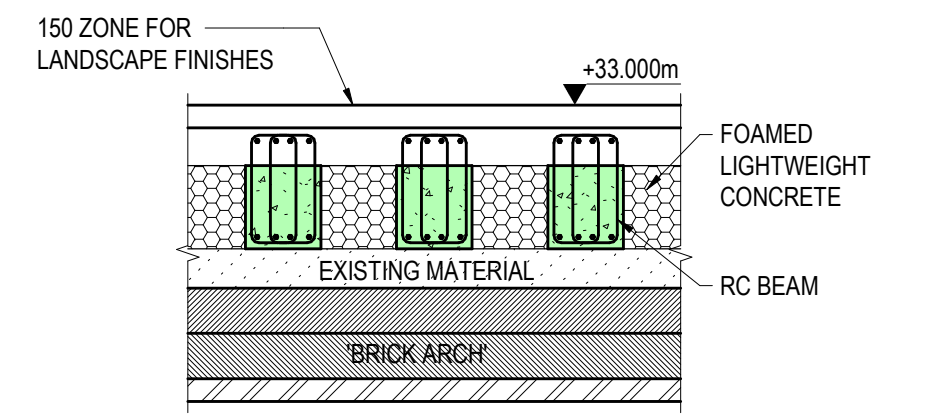
ISO-Cill Beams.



ISO-Precast Beams.

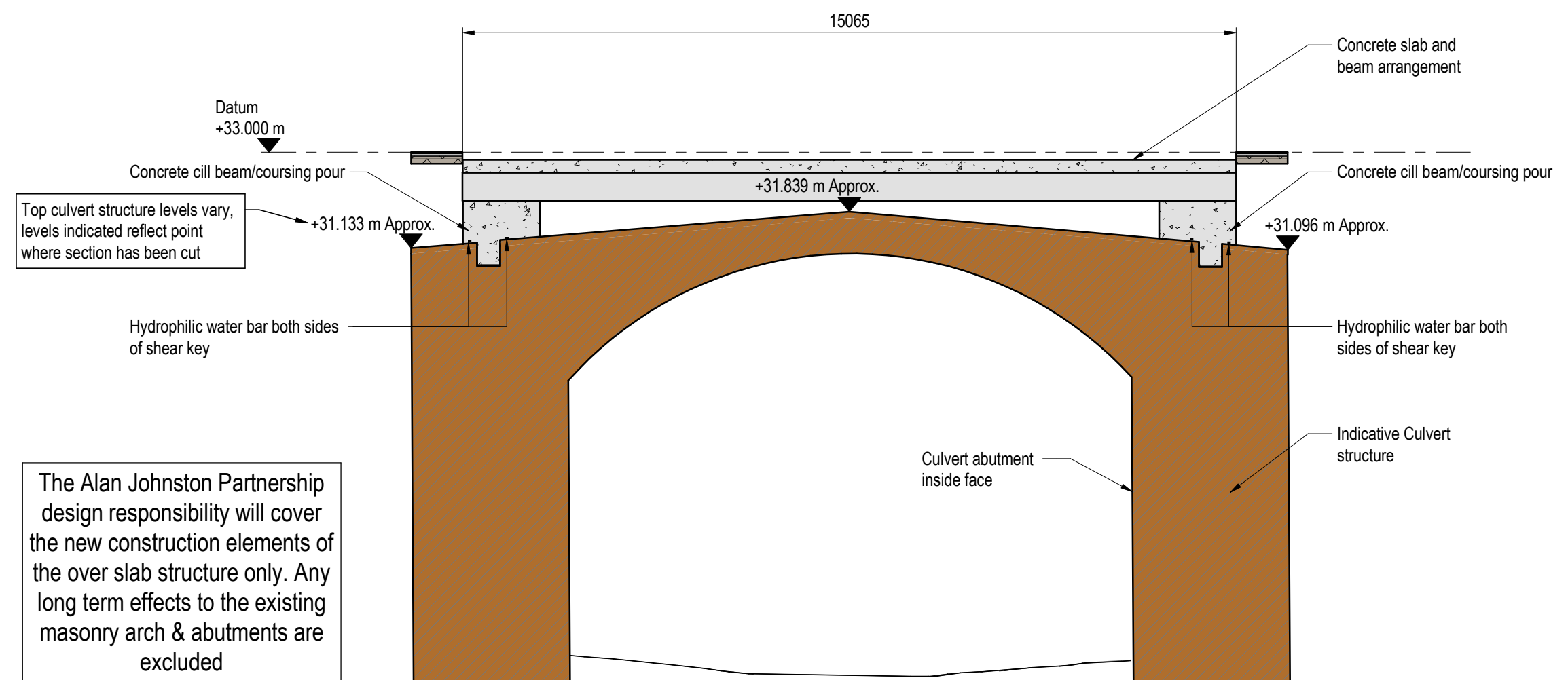


ISO-RC Slab.



B-B LONG-SECTION THROUGH CULVERT

1: 100



A-A INDICATIVE SECTION THROUGH CULVERT

The Alan Johnston Partnership design responsibility will cover the new construction elements of the over slab structure only. Any long term effects to the existing masonry arch & abutments are excluded

Culvert Over Slab Scope

Extent & Position - As dimensions indicated on this document.

Permanent loading - To BS EN 1991 + NA and NR/L3/CIV/020 Design of Bridges.

Structural requirement - New structure to provide permanent prop to both abutments should the brickwork arch fail within extent of this over slab.

Movement & Vibration - Trigger levels within existing MRAP to be increased or removed to capture the new construction activities required for this item.

Bearing - New concrete structure to bear on to existing Culvert structure and abutments.

Design life - 120 years for new structural components.

Waterproofing - Zypex Waterproof additive used within new structural concrete. Water bars to be placed both sides of cill beam.

Ownership - Following NR/L2/CIV/003 process the structure will become a Network Rail Asset.

Maintenance - No access to inspect or maintain the buried structure is required.

Construction - The final construction methodology to be agreed during the NR/L2/CIV/003 process.

Concrete Notes

- All structural concrete RC40/50 designated mix.
- All structural concrete to have Xypex waterproof additive.

REV	DATE	DESCRIPTION	BY	CHK	APP
P08	25.06.2021	TOP OF CULVERT SURVEY LEVELS BY VINCI ADDED	CW	DJS	DJS
P05	26.05.2021	SLAB OVER SLAB LENGTH INCREASED, PILE LOAD LEGEND AMENDED	CW	DJS	DJS
P04	09.04.2021	PRELIMINARY ISSUE	KB	DJS	DJS
P03	22.03.2021	PRELIMINARY ISSUE	CW	DJS	DJS
P02	05.03.2021	PRELIMINARY ISSUE	CW	DJS	DJS
P01	25.02.2021	PRELIMINARY ISSUE	CW	DJS	DJS

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DRAWING STATUS:

PRELIMINARY

CLIENT:

VINCI CONSTRUCTION

ARCHITECT:

SHEPPARD ROBSON

SCALE @ A1:

DESIGNED:

DRAWN:

CHECKED:

APPROVED:

DATE:

N.T.S.

M. Hansu

C. Webber

D. Sinclair

D. Sinclair

February 2021

PROJECT:

NEW VICTORIA
PHASE 1

TITLE:

CULVERT OVER SLAB SCOPE

STATUS:

S2

PROJECT No:

218-209

PROJECT

VIC

ORIGINATOR

AJP

ZONE

-04

LEVEL

-ZZ

TYPE

-DR

ROLE

-S-SK101

DRAWING No.

P06

REV: