

TOPOGRAPHICAL & MEASURED BUILDING SURVEYS

ABBREVIATIONS & SYMBOLS

AK	Arch Mean High	F4	Fire Point	N51	Relief Spot
AL	Actual Level	F10	Floor Board Level	SI	Sign Post
AN	As Built	F14	Fire Point	SP	Arch Survey Point
BA	Block Area	F5	Floor Level	SV	Stop Valve
BE	Bulk Head	F12	Floor Level	SW	Surface Water
BI	Bed Level	F09	Floor Level	SW	Water
BO	Bulk Head	C13	Cable Tray	SW	Water
BR	Block Area	C07	Cable Tray	TC	Terrace
BS	Block Area	F06	Floor Level	TC	Terrace
BT	Block Area	F07	Floor Level	TL	Terrace Level
BU	Block Area	F08	Floor Level	TL	Terrace Level
BU	Block Area	F09	Floor Level	TL	Terrace Level
BU	Block Area	F10	Floor Level	TL	Terrace Level
BU	Block Area	F11	Floor Level	TL	Terrace Level
BU	Block Area	F12	Floor Level	TL	Terrace Level
BU	Block Area	F13	Floor Level	TL	Terrace Level
BU	Block Area	F14	Floor Level	TL	Terrace Level
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BU	Block Area	F16	Floor Level	TL	Terrace Level
BU	Block Area	F17	Floor Level	TL	Terrace Level
BU	Block Area	F18	Floor Level	TL	Terrace Level
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BU	Block Area	F98	Floor Level	TL	Terrace Level
BU	Block Area	F99	Floor Level	TL	Terrace Level
BU	Block Area	F00	Floor Level	TL	Terrace Level



DRAWING NOTE

Topographical Surveys

These are drawn to scale showing the average canopy spread. Descriptions and heights should be used as a guide only.

All building names, descriptions, number of storeys, construction type including roof details are indicated only and taken externally from ground level.

All below ground details including drainage, voids and services have been identified from above ground and therefore all details relating to these features including: sizes, depths, descriptions will be approximate only. All critical dimensions and connections should be checked and verified prior to starting work.

Detail services and features may not have been surveyed if obstructed or not reasonably visible at the time of the survey.

Measured Building Surveys

Measurements to internal walls are taken to the wall finishes at approx 1m above the floor level and are well assumed to be vertical.

Cell heights are measured as floor to the cell and head heights are measured from cell to the top of window.

General

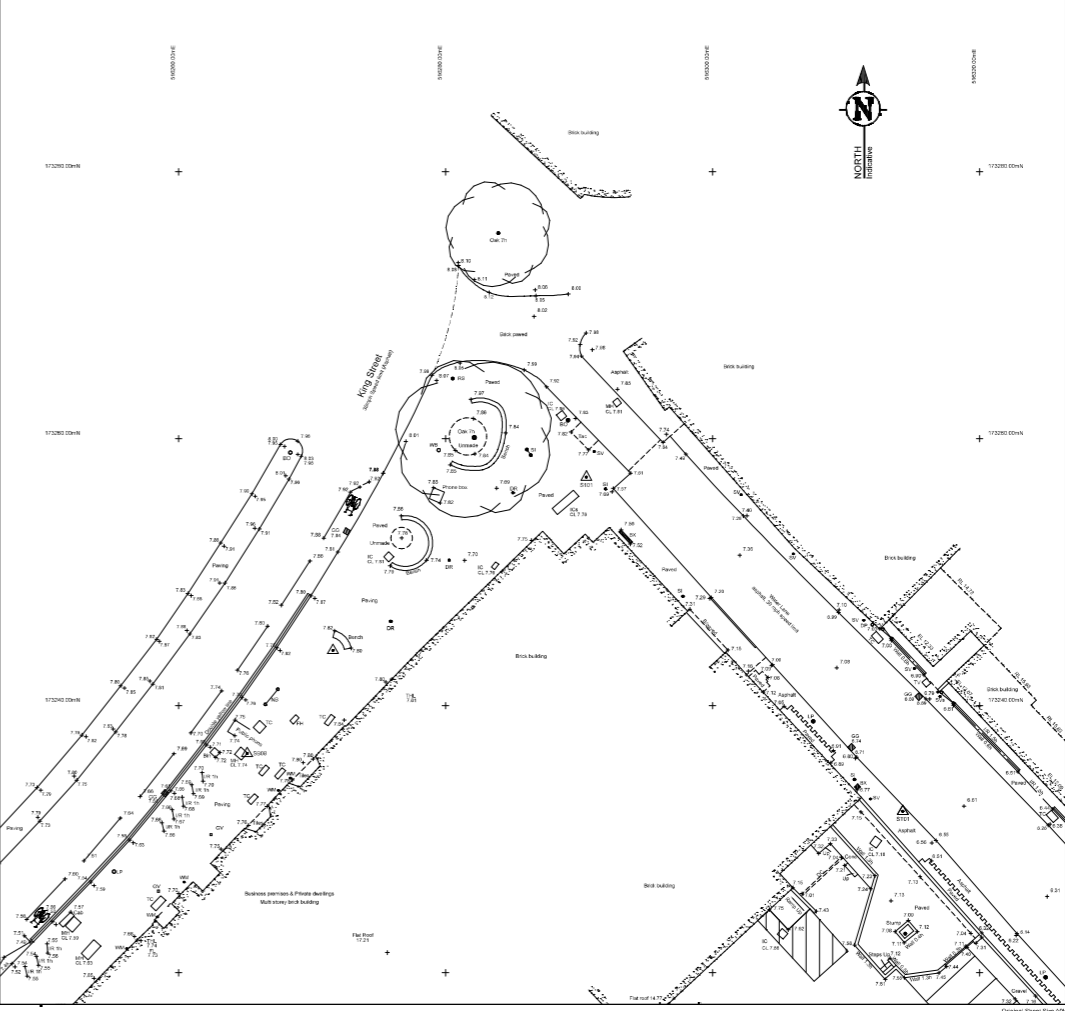
The contractor must check and verify all site and building dimensions, levels, utilities and drainage details and connections prior to commencing work. Any errors or discrepancies must be notified to Survey Solutions immediately.

The accuracy of the digital data is the same as the plotting scale implies. All dimensions are in metres unless otherwise stated.

The survey control listed is only to be used for topographical surveys at the stated scale. All control must be checked and verified prior to use.

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Do not scale from this drawing.



The coordinate system established for this survey is related to Ordnance Survey (OS) national grid at a single point using Smartnet. It is orientated to grid north with a scale factor of 1.000.

The level datum established for this survey is related to Ordnance Survey (OS) using GPS Smartnet.

To avoid discrepancies any coordinated data used in conjunction with this survey must be derived directly from this control data.

CONTROL CO-ORDINATES

POINT NO	Easting	Northing	LEVEL	DESCRIPTION
0101	514282.841	173282.128	7.744	TM Nail
0201	514328.004	173148.488	5.240	TM Nail
0202	514328.002	173191.116	5.998	TM Nail
0701	51414.247	173202.687	6.811	TM Nail
0702	514348.986	173191.084	6.803	TM Nail
0703	514331.987	173207.487	6.994	TM Nail
0704	514326.830	173124.486	7.840	TM Nail
0705	514277.855	173181.813	8.230	TM Nail
0706	514241.880	173189.860	7.784	TM Nail
0707	514248.385	173142.280	7.814	TM Nail
0801	514247.116	173140.287	4.482	TM Nail
0802	514251.917	173087.014	4.884	TM Nail
0803	514256.210	173134.976	6.820	TM Nail

B	Additional Detail Surveyed	19	JUN	15/11/2017
A	Additional Detail Surveyed	20	JUN	21/11/2016
A	Additional Detail Surveyed	21	JUN	21/11/2016

SURVEY SOLUTIONS

Ipwich Coventry Yeovil Norwich Perth Nottingham Brentwood

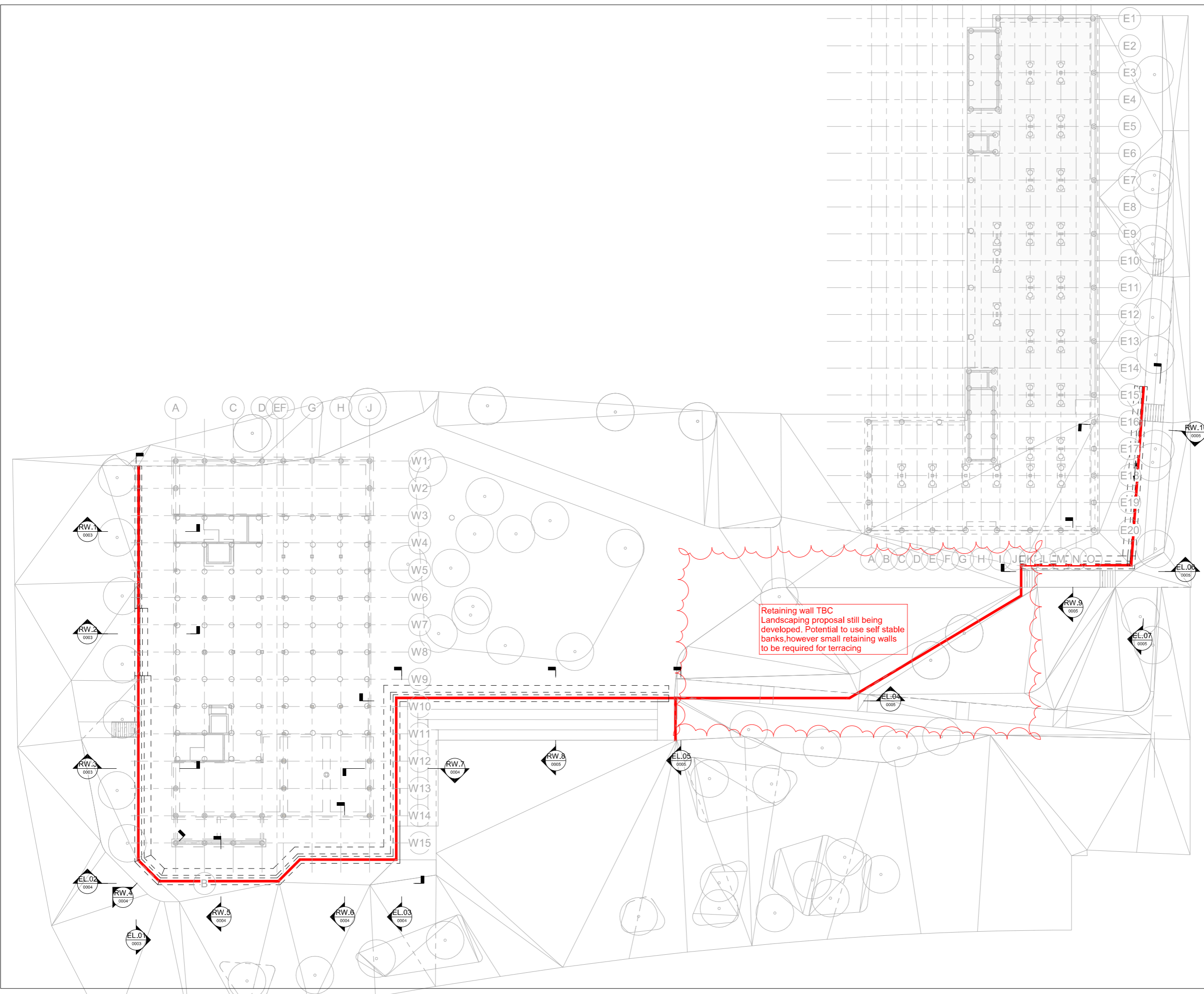
Tel No: 0845 0405 989 Fax No: 0845 0405 970
www.survey-solutions.co.uk enquiries@survey-solutions.co.uk

LAND SURVEYING BUILDING SURVEYING UNDERGROUND SURVEYING

PRODUCT TITLE
WATER LANE, TWICKENHAM, TW1 3NP

DRAWING DETAIL
TOPOGRAPHICAL SURVEY
Sheet 1 of 1

CLIENT	LONDON BOROUGH OF RICHMOND	SCALE	1:200
SURVEYOR	DAP	APPROVED BY	PCS
DATE	24/08/2015	CHECKED BY	JPH
DRAWING NUMBER	15304ev-01	REVISION	B
		ISSUE DATE	01/09/2015



Notes

SAFETY, HEALTH AND ENVIRONMENT	
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following :	
Construction	
Maintenance & Cleaning	
Decommissioning & Demolition	
It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement	

00	21.05.21	Draft Stage 3 Issue	SNE	LB
Rev	Date	Description	Drm	App

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Project
Twickenham Riverside Site

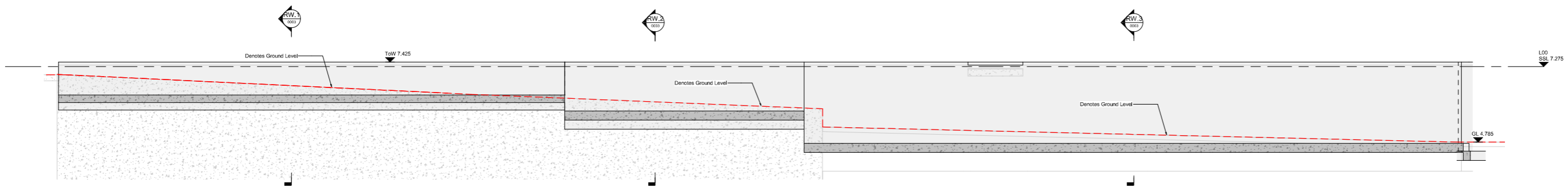
Drawing Title
Retaining Wall General Arrangement

Drawing Status
Developed Design

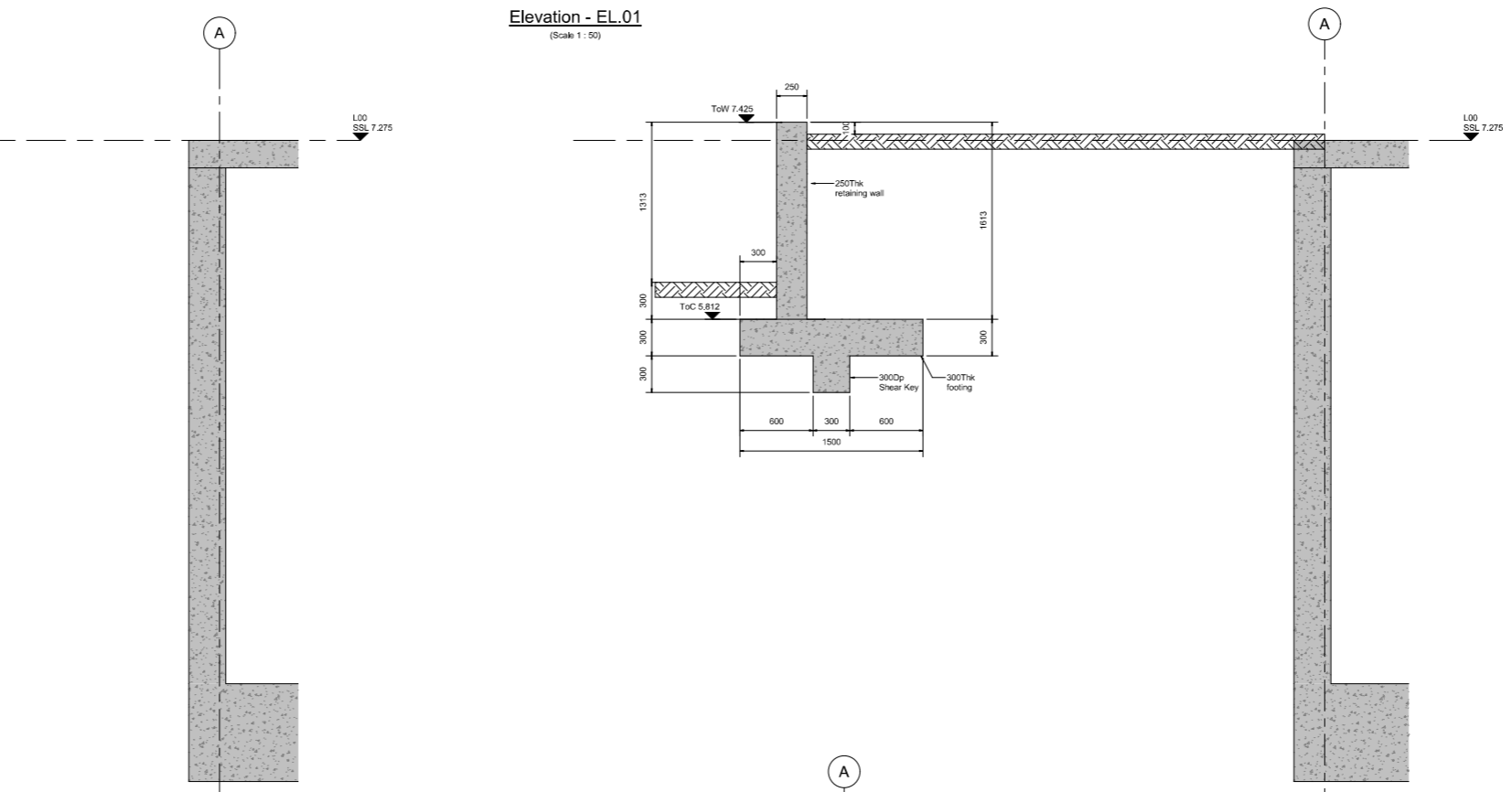
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MM	LB	A1	1 : 200	S3

Drawing Number	Revision
J3932-S-GA-00-0002	00

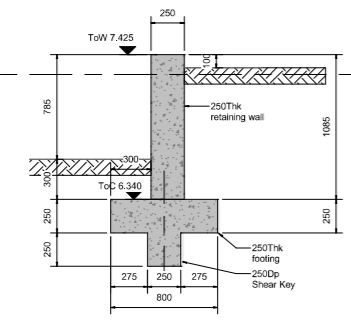
SAFETY, HEALTH AND ENVIRONMENT	
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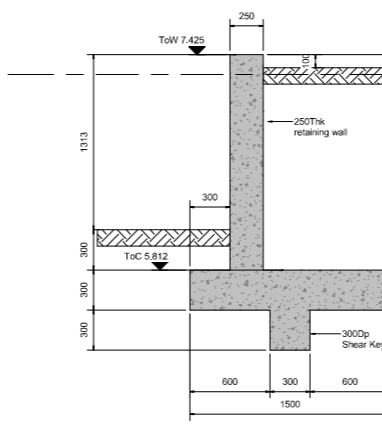
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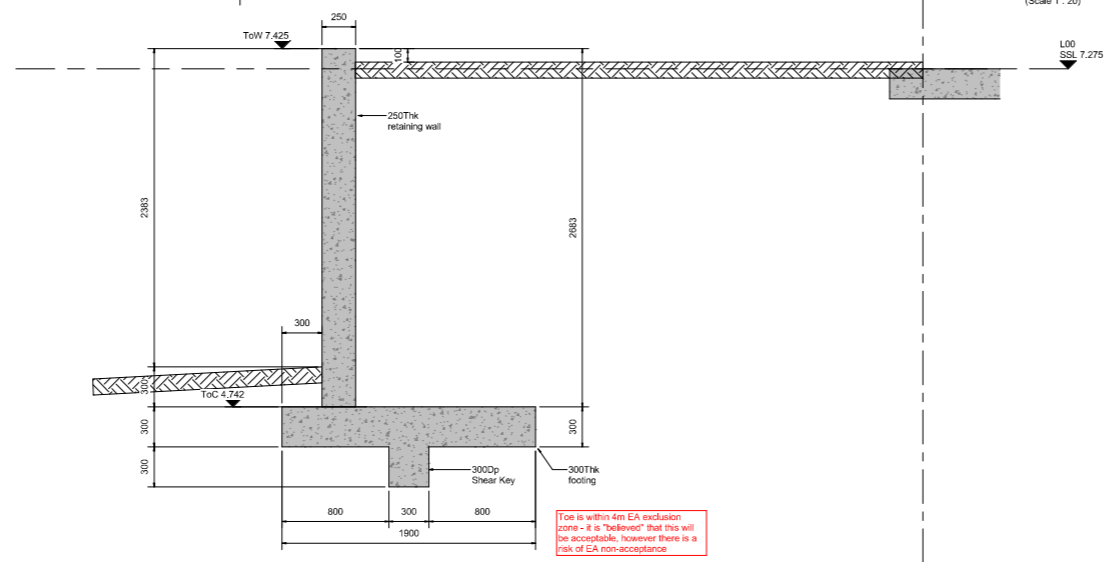
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Cross Section - RW.2
(Scale 1 : 20)



Cross Section - RW.3
(Scale 1 : 20)



Toe is within 4m EA exclusion zone - it is "believed" that this will be acceptable, however there is a risk of EA non-acceptance

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Rev	Date	Description	Dm	App

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Project **Twickenham Riverside Site**

Drawing Title **Retaining wall Elevations and sections sheet 1**

Drawing Status **Developed Design**

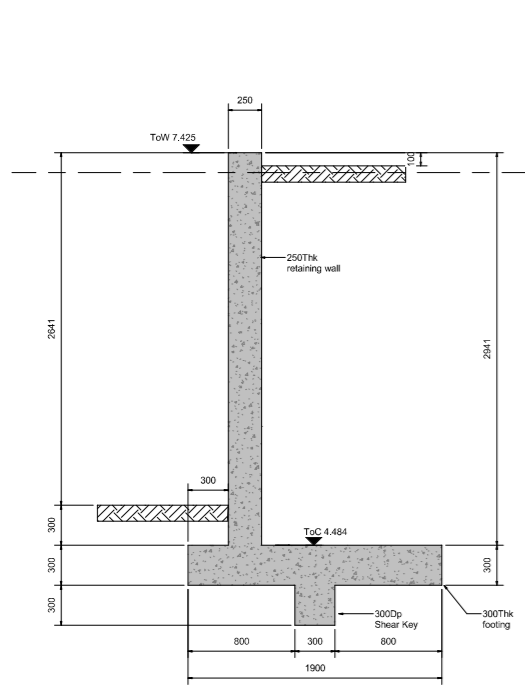
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Author	Checker	A0	As indicated	S3

Drawing Number **J3932-S-SE-00-0003** Revision **00**

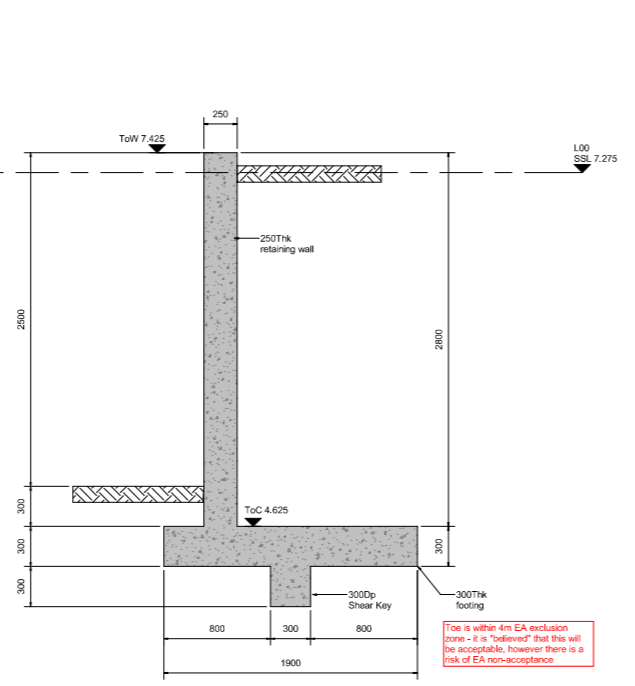
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Elevation - EL.02
(Scale 1:50)

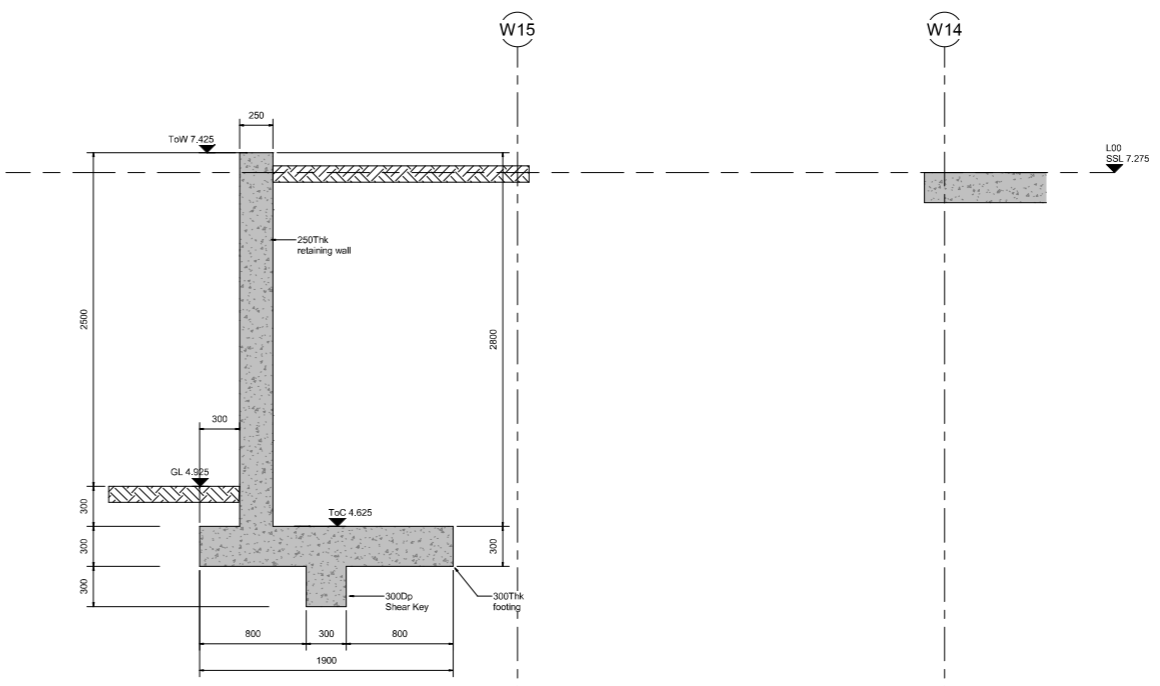


Cross Section - RW.4
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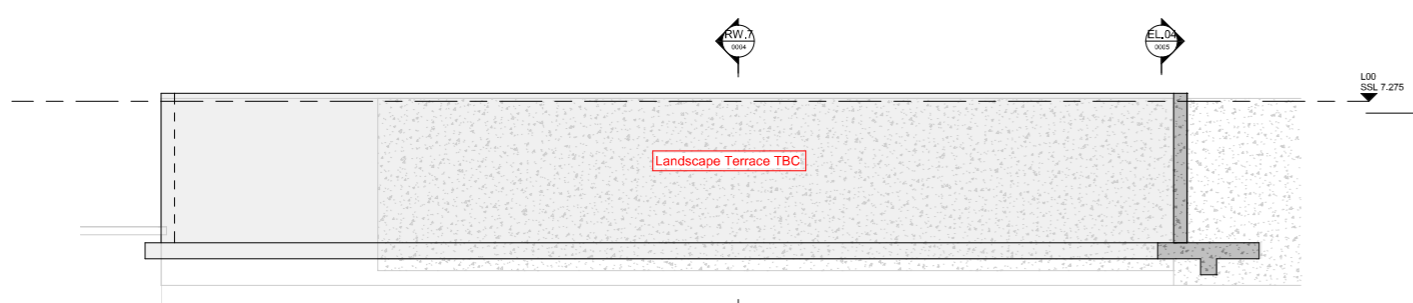


Cross Section - RW.5
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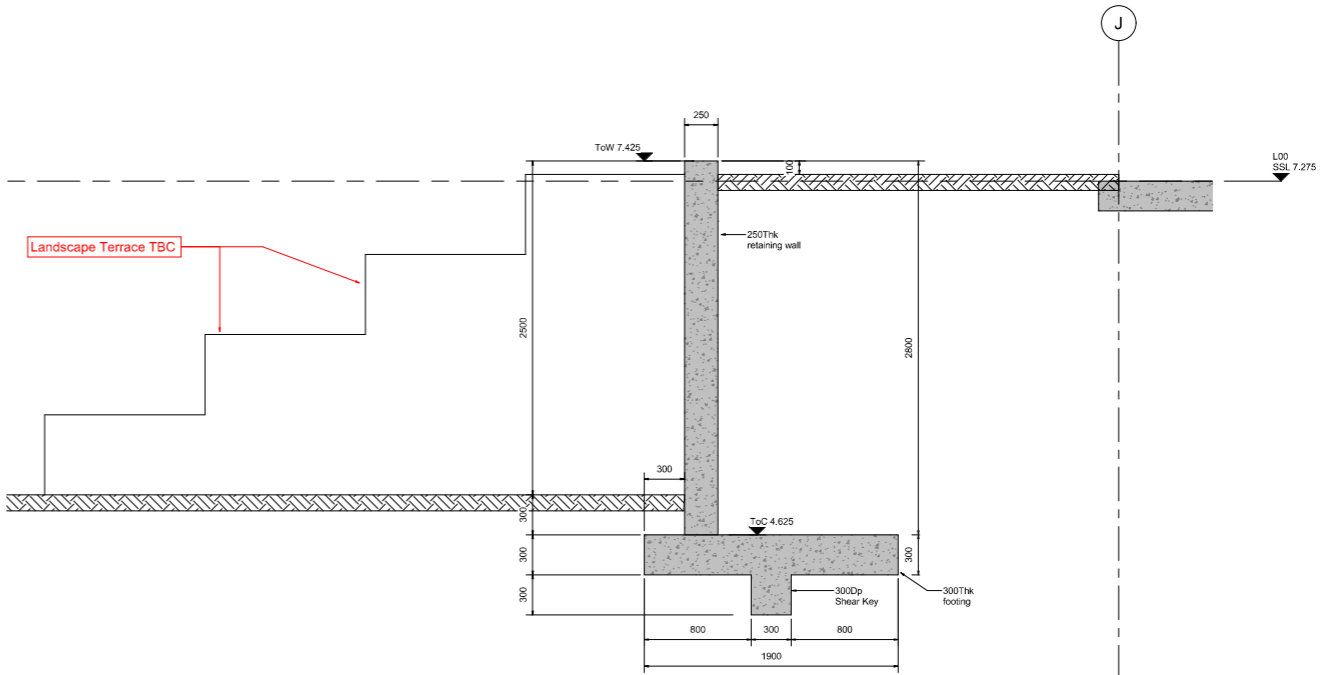
Toe is within 4m EA exclusion zone - it is "believed" that this will be acceptable, however there is a risk of EA non-acceptance



Cross Section - RW.6
(Scale 1:20)



Elevation - EL.03
(Scale 1:50)



Cross Section - RW.7
(Scale 1:20)

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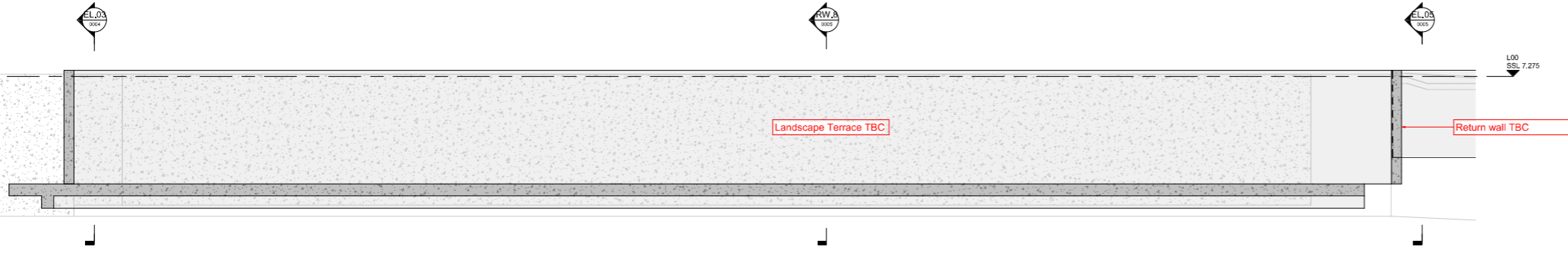
Project Twickenham Riverside Site

Drawing Title Retaining wall Elevations and sections sheet 2

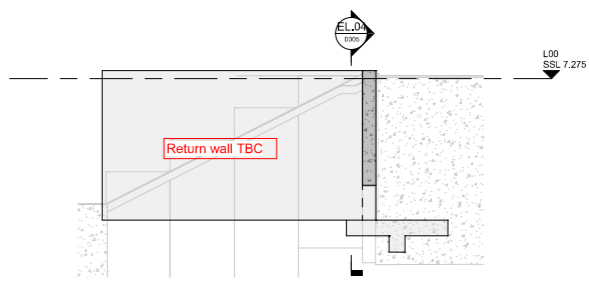
Drawing Status Developed Design

Drawn by	Checked by	Sheet size	Scale	Rev Status
Author	Checker	A0	As indicated	S3

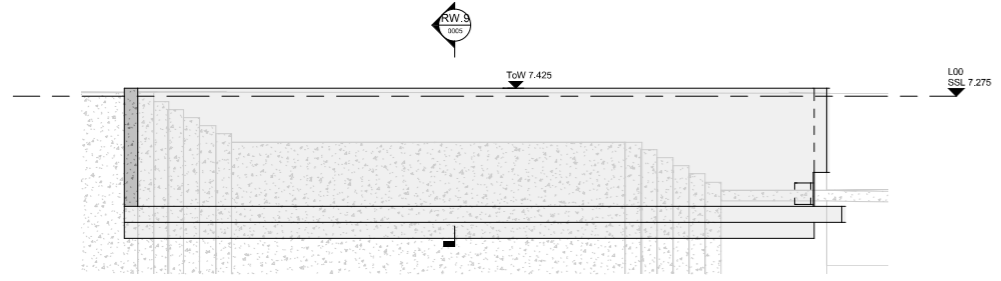
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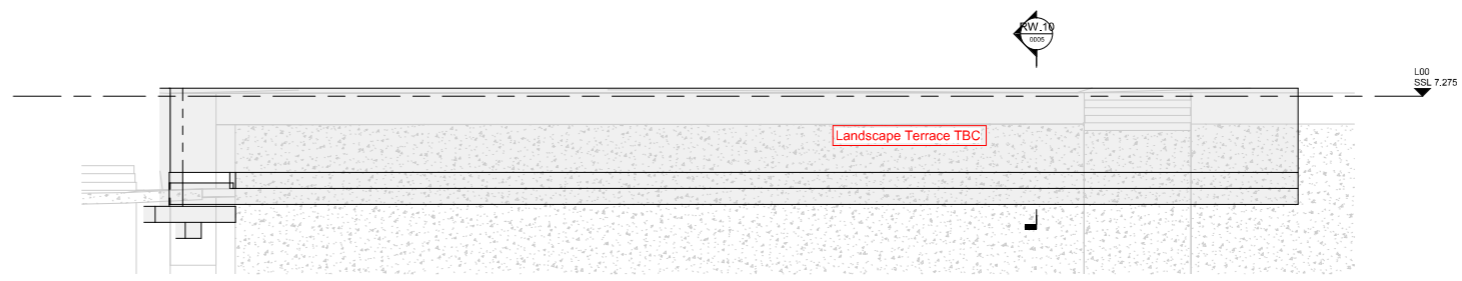
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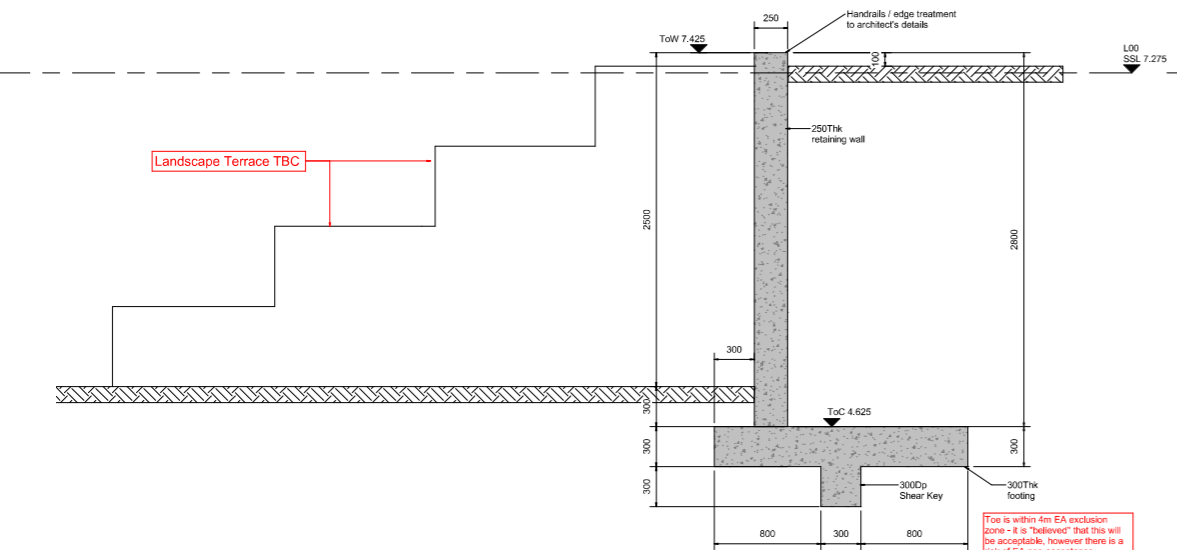
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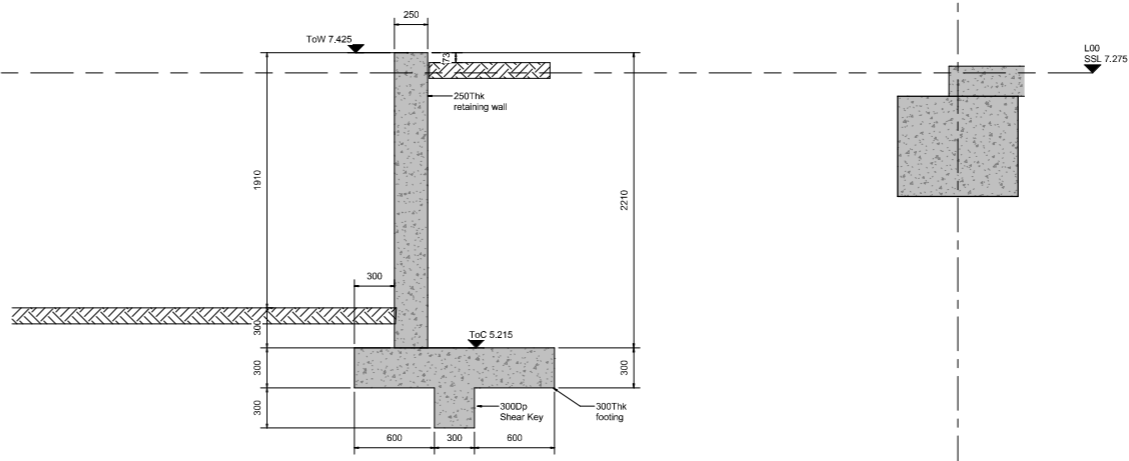
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Elevation - EL.07
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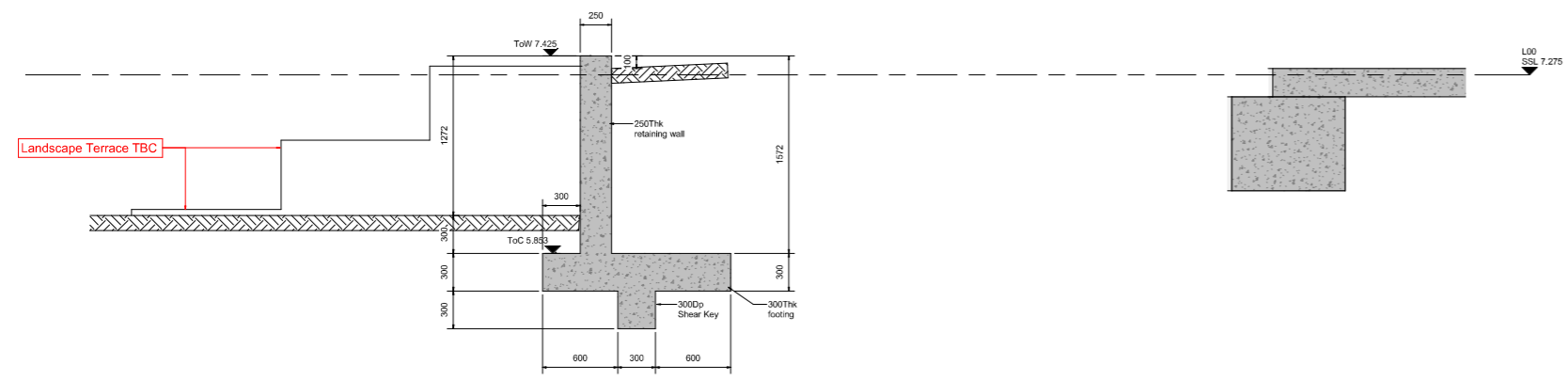


Cross Section - RW.8
(Scale 1 : 20)



Cross Section - RW.9
(Scale 1 : 20)

E20



Cross Section - RW.10
(Scale 1 : 20)

SAFETY, HEALTH AND ENVIRONMENT	
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Drawing Title
Retaining wall Elevations and sections sheet 3

Drawing Status
Developed Design

Drawn by	Checked by	Sheet size	Scale	Rev Status
Author	Checker	A0	As indicated	S3
Drawing Number	Revision			

J3932-S-SE-00-0005 00