C510 – Whitechapel and Liverpool Street Station Tunnels

Instrumentation and Monitoring Close Out Report
Block 02 Liverpool Street

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This document has been reviewed by the following individual for coordination, compliance, integration and acceptance and is acceptable for transmission to the above stakeholder for the above stated purpose.

Sign: _____ Role: _____ Name: _____ Date: _____

Sign: _____ Role: _____ Name: _____ Date: _____

2b. Review by Stakeholder (if required):

Stakeholder Organisation	Job Title	Name	Signature	Date	Acceptance
					☐
					☐

3. Acceptance by *Crossrail*:

	Crossrail Review and Acceptance Decal	
	This decal is to be used for submitted documents requiring acceptance by *Crossrail*.	
☐	Code 1.	Accepted. Work May Proceed
☐	Code 2.	Not Accepted. Revise and resubmit. Work may proceed subject to incorporation of changes indicated
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1 Purpose of Close out Report

Materials and Workmanship Specification - Instrumentation and Monitoring (C122-OVE-Z4-RSP-CR001-00007), section KX10.2114 specifies the requirement for a close out report prior to the decommissioning of monitoring sensors and instruments. It is therefore, the purpose of this close out report to gain acceptance to decommission identified monitoring sensors in Block 02 of Crossrail's C510 Liverpool St. Acceptance to decommission sensors will result in ceasing measurements, stopping the reporting and removing sensors.

The current document is the revision 2 of the close out report of Block 02 of Crossrail's C510 Liverpool St. presenting the decommissioning statuses of the remaining sensors of revision 1.

Appendix I of revision 2 includes the graphs and results for the crackmeters in Block 02

Appendix II of revision 2 includes a listing of the sensors' statuses, time graphs of the monitoring full history and location plans of revision 1. All the sensors that had been PROPOSED in revision 1 were accepted.

To gain approval to decommission instrumentation and monitoring, the monitoring data will be analysed to demonstrate settlement does not breach specified rates after the minimum monitoring period is complete.

N.B. Monitoring sensors refers to all monitoring points; which includes BREs, invar scales, road studs, extensometers, inclinometers, tilt meters, crack meters, water cells, retros (survey stickers) and prisms. Please note this is not an exhaustive list and does not include monitoring systems/equipment, such as communication boxes.

2 Scope of Monitoring Assessment for Close Out

Specification KX10.4103 of document C122-OVE-Z4-RSP-CR001-00007 states that to establish approval for decommissioning, the contractor is to produce a close out report which summarises the observations in correlation with the construction activities. The report is to demonstrate monitoring has reached acceptable settlement rates; whether to the specified rate, or where no rate is specified trigger values are evaluated against potential residual risks. I&M schedule C122-OVE-C2-DDJ-CR001-Z-31511 specifies the acceptable settlement rates with the requirements to monitor at different construction phases, and duration for completion. To summarise the I&M schedule states that the manual monitoring decommissioning specified rate is 2mm per year, following 16 months post construction monitoring (4 months step down and quarterly measurements for a minimum of 12 months long term monitoring). The I&M schedule does not identify the need for long term automated monitoring or specify a settlement rate requirement, it only states that monitoring must continue for 6 months post construction. At the 6 month juncture, agreement must be sought from the project manager to decommission automated monitoring programmes through a close out report or agreeing to cease the works with the project manager. In most cases decommissioning will be possible, as the residual risk will be captured through the remaining long term manual monitoring.

Contrary to the Specification for Instrumentation and Monitoring (*C122-OVE-Z4-RSP-CR001-00007)*, the Project Managers Instruction (PMI) C510-PMI-01102 replaces long term monitoring with satellite interferometry (InSAR) for the areas agreed by the project manager. If long term monitoring responsibilities are removed from BBMV and covered by satellite interferometry, the specified settlement criteria may not be met by BBMV. If this occurs, reference to the agreement will be provided to state BBMV are no longer responsible for the sensors and consequently decommissioning acceptance will be proposed.

In some cases it may be agreed with the project manager to cease monitoring prior to meeting the specified rates. The close out report will be revised to incorporate these agreements prior to decommissioning. Due to multiple influencers and large construction monitoring zones, it may be prudent to submit successive document revisions for close out reports, where the specification is not met or the minimum post construction monitoring has not been achieved.

3 Close Out Report Block Description and Location Plan

3.1 Block 02 Location

Figure 1 shows the Liverpool St general location plan, C510 tunnel construction and where Block 02 is situated. Detailed location plans can be found within the installation reports and photomontages as listed in Section 3.2. Each monitoring sensor's location is shown within the assessment plans (Section 5.4).

Numerous Thames Water critical assets surround Block 02, including:

- London Wall sewer within London Wall;
- 12" steel (ST) water main located within South Side Finsbury Circus;
- 10" & 12" cast iron (CI) West Side Moorgate (South) water main within Moorgate;
- 450mm ductile iron (DI) East Side Moorgate (South) water main within Moorgate;
- London Bridge Sewer Main Line (South) within Moorgate; and
- Goswell Street Sewer North Branch Diversion within Moorgate

The location and details of these assets can be found in Instrumentation and Monitoring Plan: Liverpool Street Station Ground Movement and Asset Protection C122-OVE-C2-RGN-C101-50013 or the relevant C122 prepared Damage Assessment Reports.

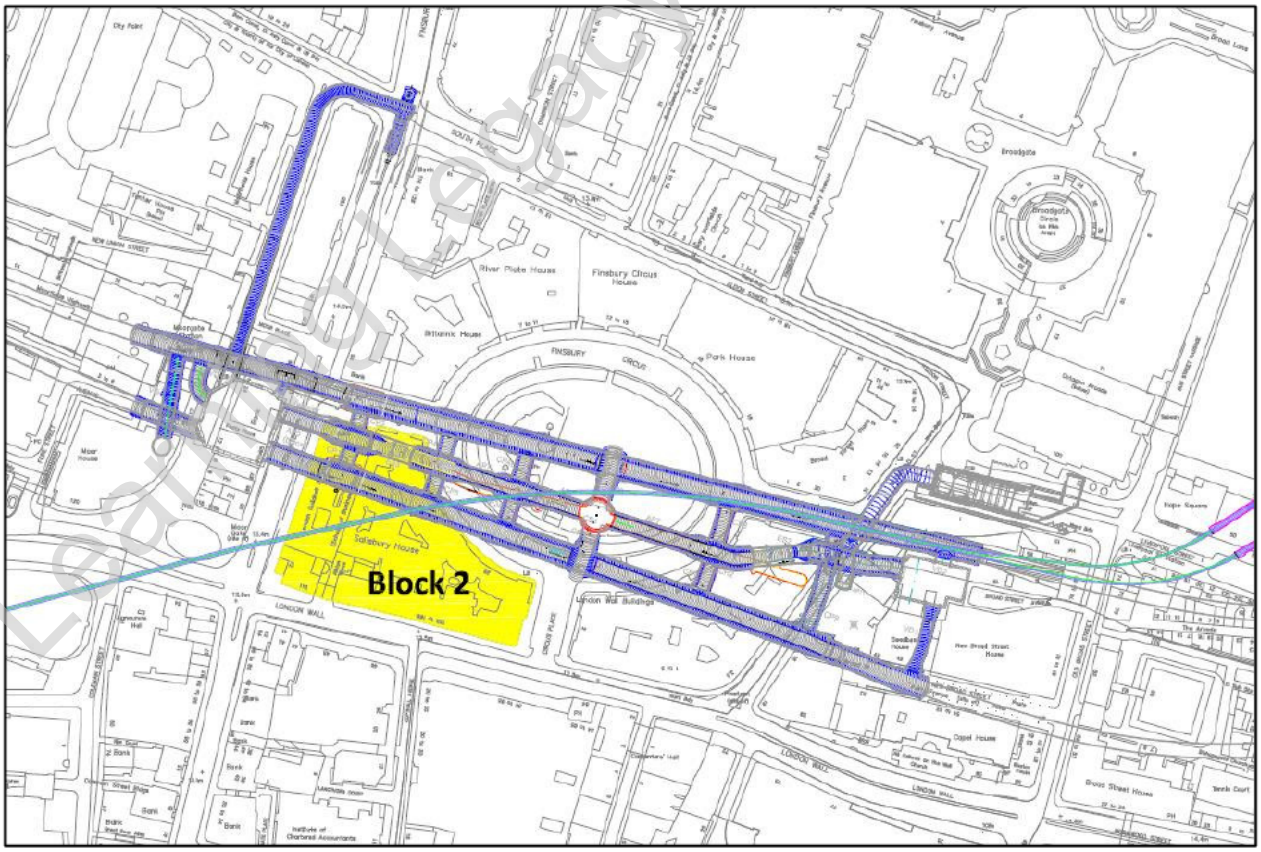


Figure 1 - Liverpool St General Location Plan - including Block 02 monitoring area

3.2 Block 02 Description

Block 02 is between London Wall, Moorgate and Finsbury Circus. Block 02 is located above Platform Tunnel West (PTW), Cross Passage 1 (CP1), Cross Passage 2 (CP2), Cross Passage 3 (CP3), Chamber 1-2 (CH1-2), Chamber 5 (CH5), Escalator Tunnel 3 (ES3), Access Passage 9 (AP9), and Launch Chamber West b (LCWb). Further details of the construction programmes can be found in Section 4. Block 02 contains the following types of monitoring sensors:

- Building Levelling Studs/BREs (LB) - manual monitoring
- Invar Scales (LC) – manual monitoring
- Road Studs (LP)- manual monitoring
- Building 3D Geodetic Prism monitoring (RP) – automated and manual monitoring
- Water Settlement Cell Electronic (SH) – automated monitoring
- Tiltmeters (TB) – automated monitoring
- Crack Monitors (CK) – manual monitoring
- Extensometer Rods (XR) – automated and manual monitoring
- Inclinometers (IM) – automated and manual monitoring

Each monitoring sensor's details are listed within the Decommissioning Status Tracker (Table 2) and further relevant information can be sourced from the following reports.

Block 02 Report References:

- Installation Report – LIV-Block 02 – Salisbury House & Electra House
  CRL Document Number: C510-BBM-C2-RGN-C101-50005
- Monitoring Installation Report LIV-LB-02-Electra House
  CRL Document Number: C510-BBM-C2-RGN-C101-50208
- Monitoring Installation Report LIV-LB-2 – Liverpool Street
  CRL Document Number: C510-BBM-C2-RGN-C101-50133
- Monitoring Installation Report LIV-LB-2 – Internal BRE's in Electra & Salisbury House
  CRL Document Number: C510-BBM-C2-RGN-C101-50164
- Monitoring Installation Report LIV-Salisbury House Cellar
  CRL Document Number: C510-BBM-C2-RGN-C101-50210
- Monitoring Installation Report LIV-LP-2-Finsbury Circus
  CRL Document Number: C510-BBM-C2-RGN-C101-50072
- Monitoring Installation Report LIV-LP-22-Liverpool Street
  CRL Document Number: C510-BBM-C2-RGN-C101-50127
- Instrumentation C510-IM10204– Liverpool St. –Inclinometer (Redrilled)
  CRL Document Number: C510-BBM-C2-RGN-C101-50095
- Instrumentation C510-IM10205– Liverpool St. –Inclinometer (Redrilled)
  CRL Document Number: C510-BBM-C2-RGN-C101-50053

- Instrumentation C510-XR10207– Liverpool St. –Extensometer
  CRL Document Number: C510-BBM-C2-RGN-C101-50084
- Instrumentation C510-XR10208– Liverpool St. –Extensometer
  CRL Document Number: C510-BBM-C2-RGN-C101-50088
- Monitoring Installation Report – LIV-RP-2 – Cantilever Stairs
  CRL Document Number: C510-BBM-C2-RGN-C101-50207
- Monitoring Installation Report LIV-BK-2 – Electra House Crackmeters – Liverpool Street
  CRL Document Number: C510-BBM-C2-RGN-C101-50200
- Monitoring Installation Report LIV- All Blocks – Crack Meters – Liverpool Street
  CRL Document Number: C510-BBM-C2-RGN-C101-50224

The Settlement Contour Drawing (C122-OVE-C2-DDA-CR001_Z-21313) predicts Block 02 to experience approximately 1-130mm of settlement.

4 Construction Programme Influencing Block 02

Extent of Influence (EOI) monitoring areas were established to record ground movements in relation to C510 construction. The EOI purpose is to ensure all assets and areas are adequately monitored for movement during construction, this is achieved by controlling when and how often monitoring occurs. The Asset Protection Instrument and Monitoring (I&M) Schedules (C122 –OVE-C2-DDJ-CR001_Z-31511) states the extent of influence (EOI) of an active tunnel is 2 x depth from the active tunnel face. The EOI is used to determine when monitoring sensors are no longer influenced by construction and can be considered for decommissioning.

The original specification received amendments to manual monitoring frequency within the EOI through several PMIs, with the latest PMI (C510-PMI-01103) establishing an Active ZOI (Zone of Influence) as 2 x tunnel diameter from the active tunnel face projected to the surface. The Active ZOI changed the rates of monitoring frequency, it did not replace EOI. The EOI is used to determine when a monitoring sensor is eligible for decommissioning; whereas, active ZOI is used to analyse manual monitoring movement against construction.

To identify the tunnels that had the potential to significantly affect Block 02, a ZOI was established by giving each monitoring sensor a radius of 2.0 x tunnel diameter. This area was then used to determine all the mining advances that occurred within its boundary. Figure 2 shows the ZOI boundary (yellow outline), ES3 EOI, and the tunnel constructions. Tunnel advance start and finish dates will be used in the assessment of the monitoring data.

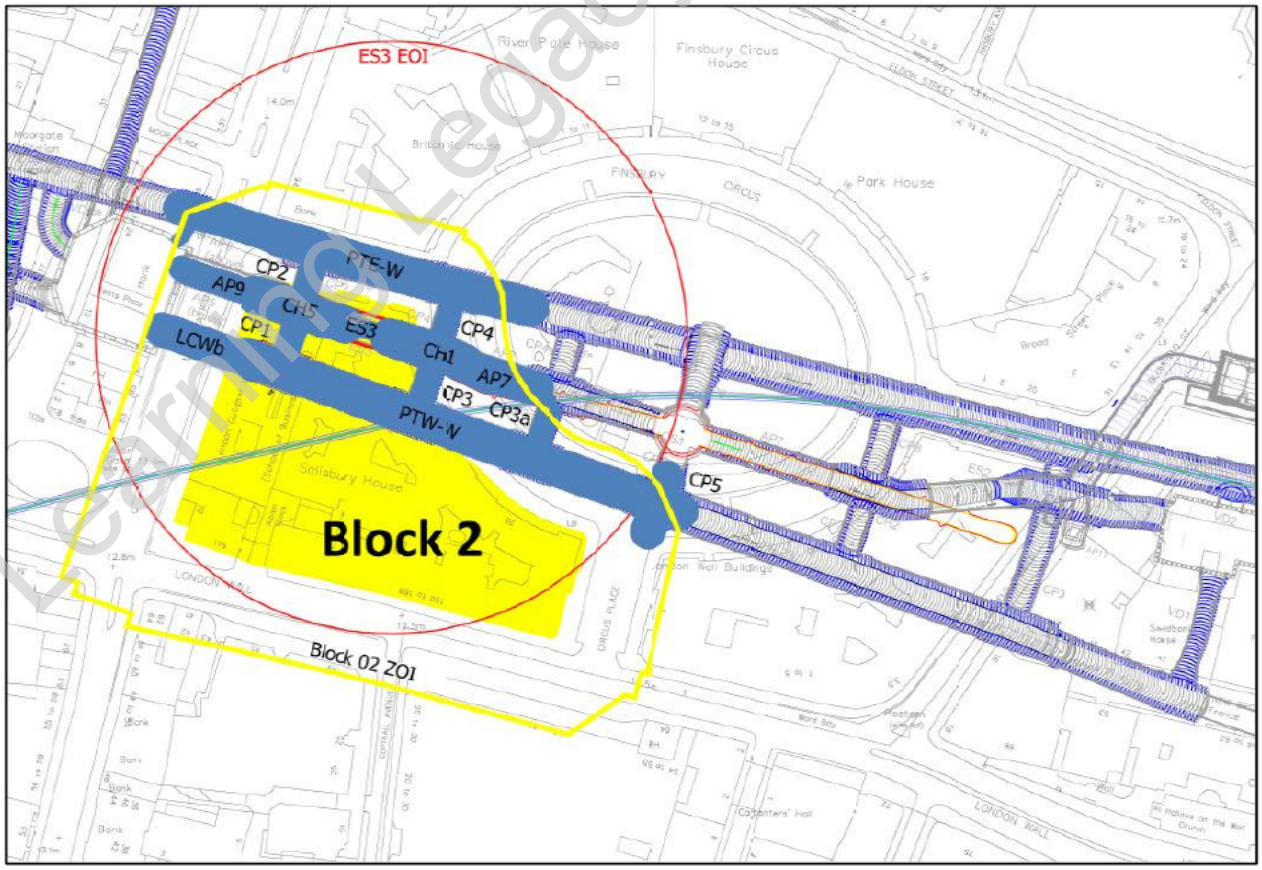


Figure 2 - Block 02 ZOI Constructions

Figure 2 shows the Block 02 ZOI and the tunnel advances that occurred within its boundary. The construction advances within the ZOI that have the potential to affect Block 02 are listed and summarised in Table 1. Further evidence for construction dates can be seen in Table 2, which lists the latest tunnel advance for each point.

ES3 enlargement advances were the final construction advances of the project and were completed on the 18th of March 2017. Grouting within the GAD adits has been decommissioned and it is proposed that all automated sensors are to be decommissioned. Under ss. KC21.3220(c) of the Crossrail document C122-OVE-Z4-RSP-CR001-00010, it states that automatic monitoring can be decommissioned at the same time as the grouting facilities. Precise levelling points will be maintained in place and monitored until such time that the sensors meet the settlement criteria. Further evidence for Block 02 sensors decommissioning status can be found in the decommissioning tracker.

4.1 Tunnel Advances Affecting Block 02

The information presented in Table 1 is used in all monitoring graphs (Section 5.1), to show the ground movements in relation to construction.

TUNNEL ADVANCES STARTS & ENDS FOR GRAPHS					
Tunnel Code	Tunnel Reference	Primary Layer Type	Start Date	End Date	Zone
ES3-Enlargement	ES3	Enlargement	15/02/2017	18/03/2017	ZOI
CH6/ES3-Enlargement	CH6/ES3	Enlargement	11/12/2016	30/01/2017	ZOI
ES3-Pilot	ES3	Pilot	24/06/2016	15/11/2016	ZOI
AP9-Enlargement	AP9	Enlargement	30/05/2016	09/06/2016	ZOI
CP4-Enlargement	CP4	Enlargement	27/09/2014	03/10/2014	ZOI
CP2-Enlargement	CP2	Enlargement	23/08/2014	30/08/2014	ZOI
CP1-Enlargement	CP1	Enlargement	24/06/2014	30/06/2014	ZOI
CP2-Pilot	CP2	Pilot	08/06/2014	15/06/2014	ZOI
CP1-Pilot	CP1	Pilot	06/06/2014	13/06/2014	ZOI
VD7-Enlargement	VD7	Enlargement	04/06/2014	11/06/2014	ZOI
CP3a-Enlargement	CP3a	Enlargement	24/05/2014	31/05/2014	ZOI
CP4-Pilot	CP4	Pilot	07/05/2014	10/05/2014	ZOI
CP3-Enlargement	CP3	Enlargement	01/05/2014	06/05/2014	ZOI
CP3-Pilot	CP3	Pilot	29/04/2014	06/05/2014	ZOI
AP5-Enlargement	AP5	Enlargement	05/04/2014	12/04/2014	ZOI
CH5-Enlargement	CH5	Enlargement	14/03/2014	05/04/2014	ZOI
LCWb-Enlargement	LCWb	Enlargement	25/02/2014	05/03/2014	ZOI
LCE-Enlargement	LCE	Enlargement	01/02/2014	16/02/2014	ZOI
CP3a-Pilot	CP3a	Pilot	10/01/2014	14/01/2014	ZOI
PTE-West-Enlargement	PTE-West	Enlargement	29/11/2013	31/01/2014	ZOI
PTW-East-Enlargement	PTW-East	Enlargement	17/11/2013	24/11/2013	ZOI
AP5-Pilot	AP5	Pilot	30/10/2013	04/11/2013	ZOI
LCWb-Pilot	LCWb	Pilot	20/10/2013	24/10/2013	ZOI
PTW-West-Enlargement	PTW-West	Enlargement	18/08/2013	24/02/2014	ZOI
LCE-Pilot	LCE	Pilot	06/08/2013	13/08/2013	ZOI
PTW-East-Pilot	PTW-East	Pilot	13/07/2013	21/07/2013	ZOI
PTE-West-Pilot	PTE-West	Pilot	16/06/2013	06/08/2013	ZOI
PTW-West-Pilot	PTW-West	Pilot	02/06/2013	20/10/2013	ZOI
CH1-Enlargement	CH1	Enlargement	16/05/2013	26/05/2013	ZOI
CH5-Pilot	CH5	Pilot	27/04/2013	30/10/2013	ZOI
ES3/CH5-Pilot	ES3/CH5	Pilot	23/04/2013	26/04/2013	ZOI
CH1-Pilot	CH1	Pilot	09/03/2013	22/04/2013	ZOI
AP7 West-Enlargement	AP7 West	Enlargement	17/02/2013	26/05/2013	ZOI
AP7 West-Pilot	AP7 West	Pilot	11/02/2013	09/03/2013	ZOI
CP5-Enlargement	CP5	Enlargement	08/12/2012	13/01/2013	ZOI
CP5-Pilot	CP5	Pilot	11/11/2012	16/11/2012	ZOI
GAD1-Pilot	GAD1	Pilot	26/01/2012	07/02/2012	ZOI

Table 1 - Tunnel Advances Affecting Block 02

Heading Index:

AP – Access Passage

CH - Chamber

CP - Cross Passage

ES – Escalator

GAD – Grout Adit

PTE – Platform Tunnel East

PTW – Platform Tunnel West

LCE – Launch Chamber East

LCW – Launch Chamber West

VD – Ventilation Drive

5 Monitoring Assessment of Block 02

Evidence for decommissioning each monitored sensor is shown through graphs, tables (decommissioning status tracker) and plans. Each element of assessment compliments the other and is used together to determine acceptance of decommissioning. The decommissioning status tracker (Table 2) highlights the monitoring sensors to be considered for decommissioning and provides the supporting evidence for the decision. In some cases supplementary evidence is required to prove stability or provide reasoning for decommissioning.

ES3 was the final construction activity to affect Block 02. The final construction activity was 18/03/2017; therefore, all sensors are eligible for decommissioning from 18/09/2017 provided the specified sensor meets the <2mm/year settlement requirement. As discussed in section 4, KC21.3220(c) states, however, that all automated sensors can be decommissioned at the same time as grouting regardless of the automated sensor's settlement rate.

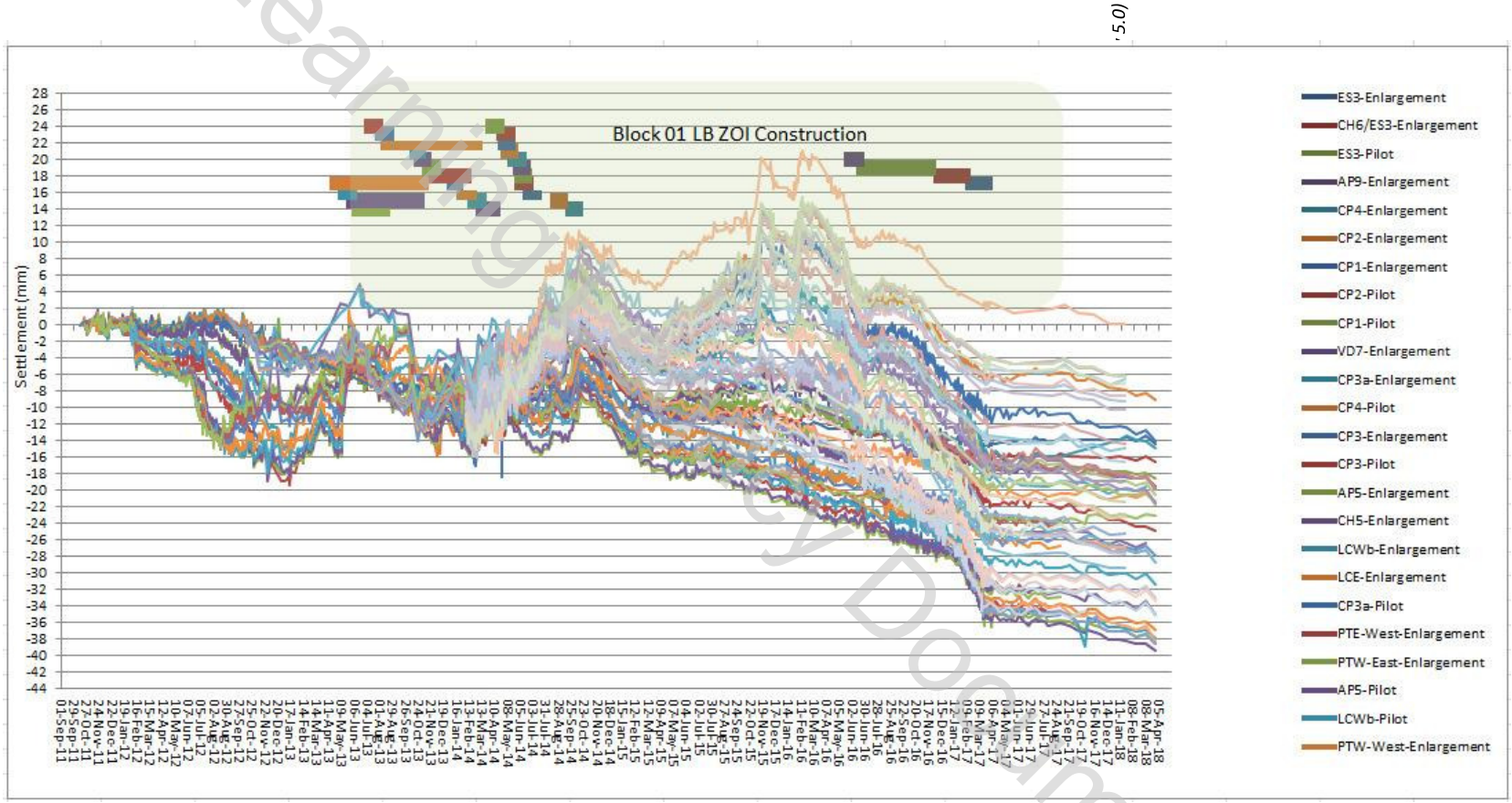
Crossrail agreed at the ERP meeting held on 27/07/2017 to decommission the grouting within GAD1. As such, this allowed for decommissioning of all automated sensors within the influence area. It is therefore proposed that all automated sensors within Block 02 be removed. See graphs, tables and plans for further details on the automated sensors.

5.1 Time Graphs Monitoring Full History and Construction Durations

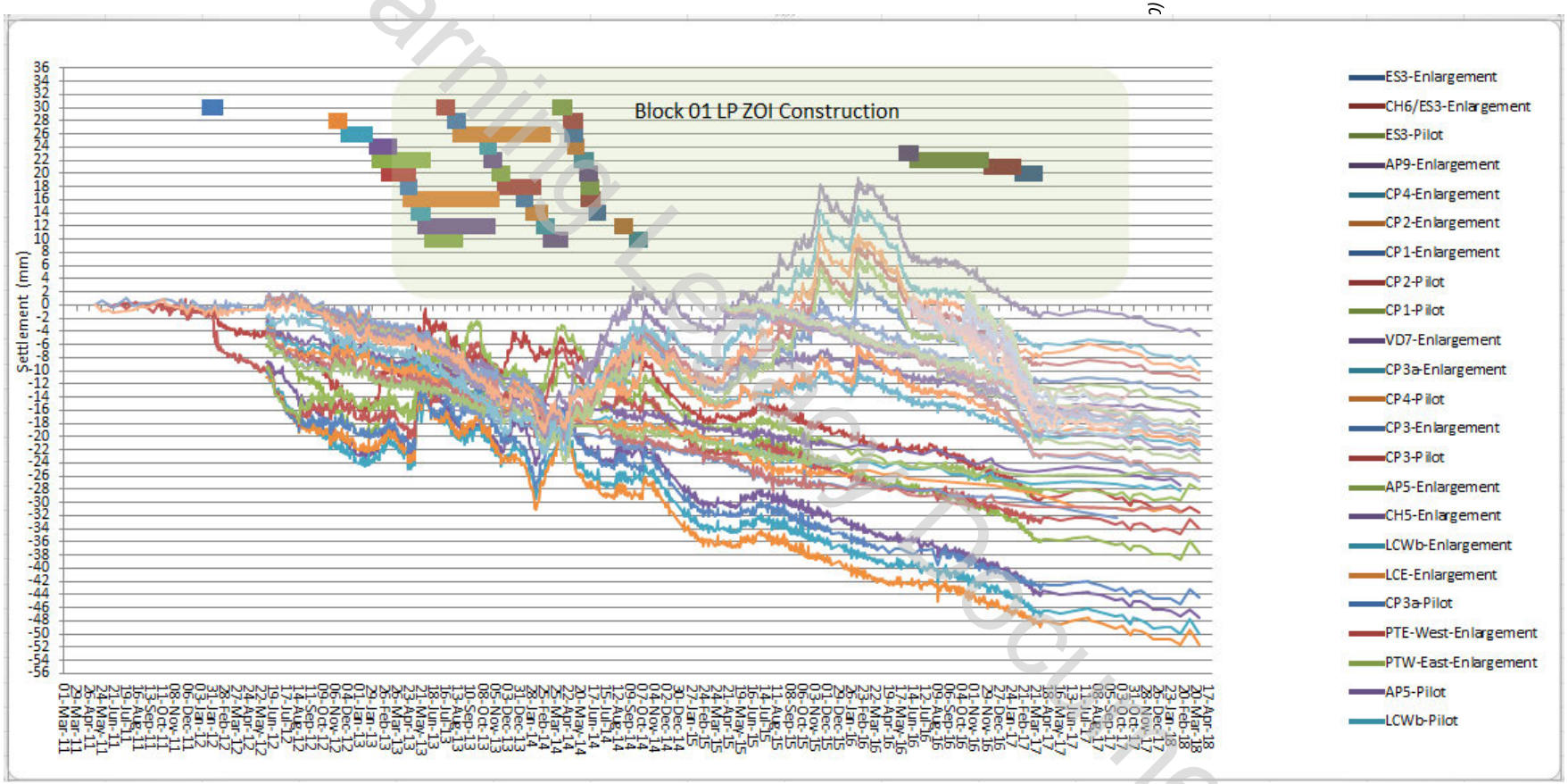
To assess the movement of Block 02 monitoring sensors; each monitoring sensor data type is displayed in a line graph, with a Gantt chart (bar) representing the construction identified in Section 4:

- Graph 1 - Block 02 Building (BRE & LC) Manual Monitoring History in Relation to Construction
- Graph 2 - Block 02 Road Studs (LP) Manual Monitoring History in Relation to Construction

Graph 1 - Block 02 Building (BRE & LC) Manual Monitoring History in Relation to Construction



Graph 2 - Block 02 Road Studs (LP) Manual Monitoring History in Relation to Construction



5.2 Block 02 Decommissioning Status Tracker

The decommissioning tracker (Table 2) identifies each monitoring sensor and provides the critical information to enable decommissioning assessment for each sensor. The initial fields shown in the tracker are descriptors of the monitoring sensor, whilst the remaining fields are the assessment for decommissioning. The purpose of the tracker is to provide Crossrail reviewers with sufficient information in conjunction with construction movement graphs and plots, to accept BBMV's proposal to decommission sensors on an individual basis.
Detailed explanation of the tracker column headers:

Tracker Column Header – Last Construction date

To determine the last influencing construction works for each sensor, the Active ZOI parameter was used. All construction tunnelling advances within the 2 x diameter radius were listed for each sensor, from these lists the latest advance date is used as an indicator.

> **N.B.** Each monitoring sensor's last affecting primary construction heading and advance number's completion date has been listed within the Decommissioning Status Tracker. The last construction heading listed, is not the closest to the monitoring sensor, but the last completed within the 2 x diameter radius. Not all sensors are within a distance of 2 x diameter of a tunnel advance location. If this scenario occurs the last completed heading within Block 02's ZOI is used as a reference.

Tracker Column Header – 120, 180 & 365 Days Average Settlement Trend

There are three average settlement trends, which tie into the defined monitoring time frames; 120, 180 and 365 days. The calculation used to determine the trend is the same for all three periods. It is a slope calculation (explained below) of the defined period, multiplied over one year. The trend is calculated from the latest reading and includes all readings within the defined period, which is averaged and then multiplied over 1 year. If there is no initial reading for the time frame date, the calculation will continue back to include the next available date. This is an important consideration when assessing the trend and to assist the reviewers, the time frame used within the calculation is included within the decommissioning tracker status table. Defined monitoring time frames:

- The 120 day average rate is used to show the completion of manual monitoring step down period, this is the minimum period of monitoring prior to InSAR taking monitoring responsibility.
- The 180 day average rate is the minimum monitoring period after construction for automated sensors.
- The 365 day average trend is the desired period to be used if the long term monitoring has been completed for decommissioning evidence. The specification states that if the trend is below 2mm/yr, then the sensor is eligible for decommissioning.

Slope calculation Settlement Trend:

Description – The settlement trend calculates the slope of the linear regression line through data points in known_y's and known_x's. The slope is the vertical distance divided by the horizontal distance between any two points on the line, which is the rate of change along the regression line.

Calculation

$$b = \frac{\sum (x - \bar{x})(y - \bar{y})}{\sum (x - \bar{x})^2}$$

Example - If the calculated trend for a 6 month period is 1.5mm, it is multiplied into 365 days, to equal a projected settlement trend of 3mm over 1 year.

Tracker Column Header – ERP Ceased date

ERP and CTC meetings have identified project efficiencies, by ceasing manual monitoring programmes early, or prior to reaching 2mm/yr. InSAR may have taken responsibility of monitoring or the perceived risk may be low enough to warrant ceasing the monitoring. In these situations the cease date is provided, along with a comment explaining the reasoning. Monitoring that has been ceased still requires approval to decommission and will be identified within the decommissioning status tracker as proposed to decommission.

Tracker Column Header – Decommissioning Status

The status is the decommissioning situation for each sensor within Block 02. The different statuses are as follows:

- Outstanding - Monitoring sensor has not met the close out requirements and approval to decommission will be sought in subsequent revisions of this close out report.
- Proposed - the sensor is proposed to be decommissioned. Crossrail to accept the sensor can be decommissioned.
- Agreed – Agreed to decommission through previous revision of the close out report. No further reporting or monitoring has taken place.
- Complete - Monitoring sensor has been removed and evidence gathered during decommissioning.

N.B. When monitoring sensors have not met the requirements, it may still be appropriate to decommission. In this scenario supplementary evidence will be provided to explain the reasoning for decommissioning.

Table 2 - Block 02 Decommissioning Status Tracker

28/03/2018

< 2.0 mm GREEN | < 3.5 mm AMBER | > 3.5 mm RED

C510 Sensor Name	Block	Section	Int / Ext	Measurement Type	Sensor Type	Sensor Description	Asset/Location	EOI Last Primary Layer Construction	Last Construction Date	Latest Surveyed Date	120 Days	120 Day Calculation Period	180 Days	180 Day Calculation Period	365 Days	365 Day Calculation Period	Ceased Date	General Comment	Decommissioning Status
C510-LB10232	Block 102	S10207	External	Manual	LB	BRE	University	LIV_CP5_Enlargement_Adv-34	13/01/2013	28/03/2018	-0.3	188	-0.3	188	0.6	366		<2mm per annum specification met	Complete
C510-LB10233	Block 102	S10207	External	Manual	LB	BRE	University	LIV_LCWb_Enlargement_Adv-35	05/03/2014	28/03/2018	-1.0	188	-1.0	188	-0.2	366		<2mm per annum specification met	Complete
C510-LB10234	Block 102	S10207	External	Manual	LB	BRE	University	LIV_CP1_Enlargement_Adv-13	28/06/2014	28/03/2018	-2.5	188	-2.5	188	-0.8	365		<2mm per annum specification met	Complete
C510-LB10235	Block 102	S10207	External	Manual	LB	BRE	University	LIV_ES3_Elargement_Invert_Downhill_Adv-7	28/02/2017	28/03/2018	-3.4	121	-2.7	188	-1.3	365		<2mm per year specification met	Proposed
C510-LB10236	Block 102	S10207	External	Manual	LB	BRE	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	28/03/2018	2.7	211	2.7	211	2.3	365		Unreliable data due to hoarding	Proposed
C510-LB10237	Block 102	S10207;S10208	External	Manual	LB	BRE	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	28/03/2018	-5.1	121	-5.4	188	-2.1	365			Outstanding
C510-LB10238	Block 102	S10207;S10208	External	Manual	LB	BRE	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	28/03/2018	-4.4	121	-4.5	188	-2.7	365			Outstanding
C510-LB10239	Block 102	S10208	External	Manual	LB	BRE	University			28/03/2018	-5.4	121	-5.9	188	-2.9	365			Outstanding
C510-LB10240	Block 102	S10208	External	Manual	LB	BRE	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	-4.7	121	-4.0	188	-2.7	365			Outstanding
C510-LC10201	Block 102	S10208	External	Manual	LC	Invar Scale	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	-5.0	121	-5.1	188	-3.6	365			Outstanding
C510-LB10201	Block 102	S10208	External	Manual	LB	BRE	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	-4.8	121	-3.1	188	-3.1	365			Outstanding
C510-LB10202	Block 102	S10208	External	Manual	LB	BRE	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	-4.7	121	-4.4	188	-3.1	365			Outstanding
C510-LC10202	Block 102	S10201	External	Manual	LC	Invar Scale	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	29/08/2017	#N/A	123	#N/A	180	#N/A	365		Removed accidentally	Proposed
C510-LC10203	Block 102	S10201	External	Manual	LC	Invar Scale	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	29/08/2017	#N/A	123	#N/A	180	#N/A	365		Removed accidentally	Proposed
C510-LC10204	Block 102	S10201	External	Manual	LC	Invar Scale	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	29/08/2017	#N/A	123	#N/A	180	#N/A	365		Removed accidentally	Proposed
C510-LB10203	Block 102	S10201	External	Manual	LB	BRE	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	-4.2	121	-3.7	188	-2.7	365			Outstanding
C510-LB10204	Block 102	S10201	External	Manual	LB	BRE	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	-3.4	121	-3.0	188	-2.2	365			Outstanding
C510-LC10205	Block 102	S10201	External	Manual	LC	Invar Scale	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	29/08/2017	#N/A	123	#N/A	180	#N/A	365		Removed accidentally	Proposed
C510-LC10206	Block 102	S10201	External	Manual	LC	Invar Scale	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-8	15/03/2017	29/08/2017	#N/A	123	#N/A	180	#N/A	365		Removed accidentally	Proposed
C510-LC10207	Block 102	S10201	External	Manual	LC	Invar Scale	Salisbury House	LIV_CP4_Enlargement_Adv-3	27/09/2014	29/08/2017	#N/A	123	#N/A	180	#N/A	365		Removed accidentally	Proposed
C510-LB10205	Block 102	S10201	External	Manual	LB	BRE	Salisbury House	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	28/03/2018	0.5	121	0.9	188	0.3	365		<2mm per year specification met	Proposed
C510-LB10241	Block 102	S10201	Internal	Manual	LB	BRE	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	06/03/2018	-3.2	127	-4.0	189	-2.3	365			Outstanding
C510-LB10242	Block 102	S10201	Internal	Manual	LB	BRE	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	06/03/2018	-0.8	127	-2.0	189	-1.9	365		<2mm per year specification met	Proposed
C510-LB10259	Block 102	S10201	Internal	Manual	LB	BRE	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	-0.1	121	-1.2	188	-0.9	366		<2mm per year specification met	Proposed
C510-LB10260	Block 102	S10201	Internal	Manual	LB	BRE	Salisbury House	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	28/03/2018	-2.1	121	-3.0	188	-1.6	366		<2mm per year specification met	Proposed
C510-LB10250	Block 102	S10201	Internal	Manual	LB	BRE	University	LIV_ES3_Elargement_Invert_Downhill_Adv-7	28/02/2017	28/03/2018	-4.7	121	-3.2	188	-1.5	366		<2mm per year specification met	Proposed
C510-LB10252	Block 102	S10202	Internal	Manual	LB	BRE	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	28/03/2018	-4.4	121	-3.3	188	-1.3	366		<2mm per year specification met	Outstanding
C510-LB10253	Block 102	S10202	Internal	Manual	LB	BRE	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	28/03/2018	-5.9	121	-4.6	188	-1.9	366		<2mm per year specification met	Outstanding
C510-LB10254	Block 102	S10202	Internal	Manual	LB	BRE	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	-6.1	121	-5.1	188	-2.1	366			Outstanding
C510-LB10255	Block 102	S10202	Internal	Manual	LB	BRE	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	-6.4	121	-5.5	188	-3.0	366			Outstanding
C510-LB10256	Block 102	S10202	Internal	Manual	LB	BRE	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	-4.6	121	-5.3	188	-3.4	366			Outstanding
C510-LB10299	Block 102	S10203	Internal	Manual	LB	BRE	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	-5.7	121	-4.4	188	-3.2	366			Outstanding
C510-LB102100	Block 102	S10203	Internal	Manual	LB	BRE	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	-5.6	121	-4.3	188	-2.8	366			Outstanding
C510-LB102101	Block 102	S10203	Internal	Manual	LB	BRE	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	-5.5	121	-4.5	188	-3.0	366			Outstanding
C510-LB10275	Block 102	S10201	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	20/01/2018	-4.3	133	-2.9	245	-5.3	367			Outstanding
C510-LB10276	Block 102	S10201	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	20/01/2018	-4.6	133	-3.2	245	-5.4	371			Outstanding
C510-LB10277	Block 102	S10201	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	20/01/2018	-4.4	133	-3.6	245	-5.2	367			Outstanding
C510-LB10278	Block 102	S10201	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	20/01/2018	-5.7	133	-3.8	245	-5.2	367			Outstanding
C510-LB10279	Block 102	S10201	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	20/01/2018	-5.1	133	-3.5	245	-4.2	367			Outstanding
C510-LB10280	Block 102	S10201	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	20/01/2018	-4.5	133	-3.5	245	-4.5	367			Outstanding
C510-LB10281	Block 102	S10201	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	20/01/2018	-4.1	133	-2.1	245	-3.1	367			Outstanding
C510-LB10265	Block 102	S10202	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	20/01/2018	-6.4	133	-2.7	245	-2.6	367			Outstanding
C510-LB10267	Block 102	S10202	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	20/01/2018	-5.0	133	-2.6	245	-2.6	367			Outstanding
C510-LB10269	Block 102	S10202	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	20/01/2018	-6.6	133	-3.7	245	-3.4	367			Outstanding
C510-LB10271	Block 102	S10202	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	20/01/2018	-7.0	133	-4.1	245	-4.7	367			Outstanding
C510-LB10274	Block 102	S10202	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	20/01/2018	-5.7	133	-3.7	245	-5.1	371			Outstanding
C510-LB10283	Block 102	S10202	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	20/01/2018	-5.2	133	-2.6	245	-1.8	367		<2mm per year specification met	Outstanding
C510-LB10285	Block 102	S10202	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	13/08/2015	#N/A		#N/A		#N/A			Next store moved back into premises, sensor removed/covered by cladding	Proposed
C510-LB10263	Block 102	S10203	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	20/01/2018	-5.5	133	-3.0	245	-2.9	367			Outstanding
C510-LB10264	Block 102	S10203	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	20/01/2018	-5.7	133	-2.7	245	-2.6	367			Outstanding
C510-LB10266	Block 102	S10203	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	20/01/2018	-5.7	133	-2.5	245	-2.9	367			Outstanding
C510-LB10268	Block 102	S10203	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	20/01/2018	-5.7	133	-3.3	245	-3.2	367			Outstanding
C510-LB10270	Block 102	S10203	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	20/01/2018	-9.1	133	-3.9	245	-3.6	367			Outstanding
C510-LB10272	Block 102	S10203	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	20/01/2018	-6.8	133	-4.0	245	-4.7	367			Outstanding
C510-LB10273	Block 102	S10203	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	20/01/2018	-6.4	133	-4.0	245	-5.1	367			Outstanding
C510-LB10282	Block 102	S10203	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	20/01/2018	-4.6	133	-2.6	245	-2.9	367			Outstanding
C510-LB10284	Block 102	S10203	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	20/01/2018	-5.8	133	-2.8	245	-2.8	367			Outstanding
C510-LB10293	Block 102	S10202	Internal	Manual	LB	BRE	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	-3.8	121	-4.5	188	-2.4	366			Outstanding
C510-LB10294	Block 102	S10202	Internal	Manual	LB	BRE	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	-4.0	121	-5.1	188	-2.7	366			Outstanding
C510-LB10295	Block 102	S10202	Internal	Manual	LB	BRE	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	-4.1	121	-5.0	188	-2.5	366			Outstanding
C510-LB10296	Block 102	S10203	Internal	Manual	LB	BRE	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	23/10/2017	-1.6	124	-0.9	187	-17.3	365		Stable 6 month trend	Outstanding
C510-LB10297	Block 102	S10202;S10203	Internal	Manual	LB	BRE	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	23/10/2017	-2.3	124	-0.3	187	-17.0	365		Stable 6 month trend	Outstanding
C510-LB10298	Block 102	S10203	Internal	Manual	LB	BRE	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	23/10/2017	-1.8	124	0.9	187	-14.9	365		Stable 6 month trend	Outstanding

Table 2 - Block 02 Decommissioning Status Tracker

28/03/2018

											< 2.0 mm	GREEN	< 3.5 mm	AMBER	> 3.5 mm	RED			
C510-LP12201	Block 102	S10201	External	Manual	LP	Road Stud	Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	-2.5	121	-4.1	191	-1.9	366		<2mm per year specification met	Outstanding
C510-LP12202	Block 102	S10201	External	Manual	LP	Road Stud	Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	1.5	121	-2.0	191	-2.1	366			Outstanding
C510-LP12203	Block 102	S10201	External	Manual	LP	Road Stud	Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	-4.6	121	-4.9	191	-3.3	366			Outstanding
C510-LP12204	Block 102	S10201	External	Manual	LP	Road Stud	Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	-2.0	121	-4.0	191	-2.7	366			Outstanding
C510-LP12205	Block 102	S10201	External	Manual	LP	Road Stud	Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	-1.8	121	-4.0	191	-2.9	366			Outstanding
C510-LP12206	Block 102	S10201	External	Manual	LP	Road Stud	Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	0.8	121	-2.1	191	-2.2	366			Outstanding
C510-LP12207	Block 102	S10201	External	Manual	LP	Road Stud	Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-8	15/03/2017	28/03/2018	1.5	121	-0.9	191	-1.5	366		<2mm per year specification met	Outstanding
C510-LP12208	Block 102	S10201	External	Manual	LP	Road Stud	Finsbury Circus	LIV_CP4_Enlargement_Adv-6	02/10/2014	28/03/2018	4.8	121	1.3	191	-0.8	366		<2mm per year specification met	Outstanding
C510-LP12231	Block 102	S10204	External	Manual	LP	Road Stud	London Wall	LIV_CP5_Enlargement_Adv-34	13/01/2013	12/02/2018	-4.7	144	-4.2	234	-1.9	368		<2mm per annum specification met. Continue to monitor until LP12233/34 meet trend requirements	Proposed
C510-LP12232	Block 102	S10204	External	Manual	LP	Road Stud	London Wall	LIV_CP5_Enlargement_Adv-34	13/01/2013	12/02/2018	-1.8	144	-2.0	234	-1.0	368		<2mm per annum specification met. Continue to monitor until LP12233/34 meet trend requirements	Proposed
C510-LP12233	Block 102	S10204	External	Manual	LP	Road Stud	London Wall	LIV_CP5_Enlargement_Adv-34	13/01/2013	12/02/2018	-0.5	144	-0.7	234	-2.8	368		Stable 6 month trend	Proposed
C510-LP12234	Block 102	S10204	External	Manual	LP	Road Stud	London Wall	LIV_CP5_Enlargement_Adv-34	13/01/2013	21/09/2017	-4.7	193	-4.7	193	-3.4	377		Damaged -supplementary evidence to be provided	Proposed
C510-LP12235	Block 102	S10204;S10205	External	Manual	LP	Road Stud	London Wall	LIV_CP5_Enlargement_Adv-34	13/01/2013	12/02/2018	0.6	144	-0.2	234	-0.3	368		<2mm per annum specification met. Continue to monitor until LP12233/34 meet trend requirements	Proposed
C510-LP12236	Block 102	S10204;S10205	External	Manual	LP	Road Stud	London Wall	LIV_CP5_Enlargement_Adv-34	13/01/2013	12/02/2018	1.1	144	0.6	234	0.4	368		<2mm per annum specification met. Continue to monitor until LP12233/34 meet trend requirements	Proposed
C510-LP12255	Block 102	S10206;S10207	External	Manual	LP	Road Stud	Moorgate	LIV_CP1_Enlargement_Adv-13	28/06/2014	28/03/2018	-2.9	121	-2.3	191	-0.6	366		<2mm per year specification met	Proposed
C510-LP12256	Block 102	S10207	External	Manual	LP	Road Stud	Moorgate	V_CH6/ES3_Elargement_Invert_Downhill_Adv	11/12/2016	28/03/2018	-3.6	121	-3.2	191	-1.1	366		<2mm per year specification met	Proposed
C510-LP12257	Block 102	S10207	External	Manual	LP	Road Stud	Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-7	28/02/2017	28/03/2018	-4.1	121	-4.0	191	-1.4	366		<2mm per year specification met	Proposed
C510-LP12258	Block 102	S10207	External	Manual	LP	Road Stud	Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-7	28/02/2017	28/03/2018	-4.6	121	-4.7	191	-1.6	366		<2mm per year specification met	Proposed
C510-LP12259	Block 102	S10207	External	Manual	LP	Road Stud	Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-7	28/02/2017	28/03/2018	-4.1	121	-5.1	191	-1.9	366		<2mm per year specification met	Proposed
C510-LP12260	Block 102	S10207	External	Manual	LP	Road Stud	Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	28/03/2018	-5.9	121	-6.2	191	-2.2	366		<2mm per year specification met	Proposed
C510-LP12261	Block 102	S10207	External	Manual	LP	Road Stud	Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	28/03/2018	-5.0	121	-6.3	191	-2.4	366		<2mm per year specification met	Proposed
C510-LP12262	Block 102	S10207	External	Manual	LP	Road Stud	Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	28/03/2018	-5.4	121	-6.4	191	-2.1	366		<2mm per year specification met	Proposed
C510-LP12263	Block 102	S10207	External	Manual	LP	Road Stud	Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-7	28/02/2017	28/03/2018	-5.2	121	-6.9	191	-2.0	366		<2mm per year specification met	Proposed
C510-LP12264-REL	Block 102	S10208	External	Manual	LP	Road Stud	West Place	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	-4.3	121	-5.4	191	-3.3	366		Sensors labelled -REL due to being installed (01/04/2015) after construction commenced.	Outstanding
C510-LP12265-REL	Block 102	S10208	External	Manual	LP	Road Stud	West Place	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	-4.5	121	-5.4	191	-2.8	366		Sensors labelled -REL due to being installed (01/04/2015) after construction commenced.	Outstanding
C510-LP12266-REL	Block 102	S10208	External	Manual	LP	Road Stud	West Place	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	-3.4	121	-4.1	191	-2.7	366		Sensors labelled -REL due to being installed (01/04/2015) after construction commenced.	Outstanding
C510-LP12267-REL	Block 102	S10208	External	Manual	LP	Road Stud	West Place	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	-4.0	121	-4.6	191	-2.8	366		Sensors labelled -REL due to being installed (01/04/2015) after construction commenced.	Outstanding
C510-LP12268-REL	Block 102	S10208	External	Manual	LP	Road Stud	West Place	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	-3.9	121	-4.8	191	-2.8	366		Sensors labelled -REL due to being installed (01/04/2015) after construction commenced.	Outstanding
C510-LP12269-REL	Block 102	S10208	External	Manual	LP	Road Stud	West Place	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	-4.4	121	-4.9	191	-2.9	366		Sensors labelled -REL due to being installed (01/04/2015) after construction commenced.	Outstanding
C510-LP12270-REL	Block 102	S10208	External	Manual	LP	Road Stud	West Place	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	-4.4	121	-5.1	191	-3.1	366		Sensors labelled -REL due to being installed (01/04/2015) after construction commenced.	Outstanding
C510-LP12271-REL	Block 102	S10208	External	Manual	LP	Road Stud	West Place	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	-4.8	121	-4.8	191	-3.9	366		Sensors labelled -REL due to being installed (01/04/2015) after construction commenced.	Outstanding
C510-LP12272-REL	Block 102	S10208	External	Manual	LP	Road Stud	West Place	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	28/03/2018	-3.7	121	-4.1	191	-3.3	366		Sensors labelled -REL due to being installed (01/04/2015) after construction commenced.	Outstanding
C510-LP12273	Block 102	S12204	Internal	Manual	LP	Road Stud	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	27/11/2017	#N/A	132	#N/A	185	#N/A	365		Grouting decommissioned, therefore no longer required /Agreed on 01/02/2018	Proposed
C510-LP12274	Block 102	S12204	Internal	Manual	LP	Road Stud	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	27/11/2017	#N/A	132	#N/A	185	#N/A	365		Grouting decommissioned, therefore no longer required /Agreed on 01/02/2018	Proposed
C510-LP12275	Block 102	S12204	Internal	Manual	LP	Road Stud	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	27/11/2017	#N/A	132	#N/A	185	#N/A	365		Grouting decommissioned, therefore no longer required /Agreed on 01/02/2018	Proposed
C510-LP12276	Block 102	S12204	Internal	Manual	LP	Road Stud	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	27/11/2017	#N/A	132	#N/A	185	#N/A	365		Grouting decommissioned, therefore no longer required /Agreed on 01/02/2018	Proposed
C510-LP12281	Block 102	S12204	Internal	Manual	LP	Road Stud	Dentist Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	23/10/2017	#N/A	124	-1.5	187	#N/A	365		Grouting decommissioned, therefore no longer required /Agreed on 01/02/2018	Proposed
C510-LP12282	Block 102	S12204	Internal	Manual	LP	Road Stud	Dentist Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	03/10/2017	#N/A	133	-2.5	181	#N/A	368		Grouting decommissioned, therefore no longer required /Agreed on 01/02/2018	Proposed
C510-LP12283	Block 102	S12204	Internal	Manual	LP	Road Stud	Dentist Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	23/10/2017	#N/A	124	-2.5	187	#N/A	365		Grouting decommissioned, therefore no longer required /Agreed on 01/02/2018	Proposed
C510-LP12284	Block 102	S12204	Internal	Manual	LP	Road Stud	Dentist Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	23/10/2017	#N/A	124	-1.0	187	#N/A	365		Grouting decommissioned, therefore no longer required /Agreed on 01/02/2018	Proposed
C510-LP12285	Block 102	S12204	Internal	Manual	LP	Road Stud	Dentist Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	03/10/2017	#N/A	133	-1.5	181	#N/A	368		Grouting decommissioned, therefore no longer required /Agreed on 01/02/2018	Proposed
C510-LP12286	Block 102	S12204	Internal	Manual	LP	Road Stud	Dentist Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	03/10/2017	#N/A	133	-1.1	181	#N/A	368		Grouting decommissioned, therefore no longer required /Agreed on 01/02/2018	Proposed
C510-LP12287	Block 102	S12204	Internal	Manual	LP	Road Stud	Dentist Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	23/10/2017	#N/A	124	-0.2	187	#N/A	365		Grouting decommissioned, therefore no longer required /Agreed on 01/02/2018	Proposed

Table 2 - Block 02 Decommissioning Status Tracker RP

04/04/2018

< 2.0 mm GREEN | < 3.5 mm AMBER | > 3.5 mm RED

AVERAGE SETTLEMENT TREND

C510 Sensor Name	Block	Section	Int / Ext	Measurement Type	Sensor Type	Sensor Description	Asset/Location	EOI Last Primary Layer Construction	Last Construction Date	Latest Surveyed Date	120 Days	120 Day Calculation Period	180 Days	180 Day Calculation Period	365 Days	365 Day Calculation Period	Ceased Date	General Comment	Decommissioning Status
C510-RP10293	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016	1.03	128	-0.02	183	-0.46	372			Complete
C510-RP10294	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016	2.83	128	1.59	183	0.38	372			Complete
C510-RP10295	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016	1.98	128	0.46	183	0.12	372			Complete
C510-RP10296	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016	-0.67	128	-1.15	183	-0.29	372			Complete
C510-RP10297	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016	-0.08	128	0.34	183	0.10	372			Complete
C510-RP10298	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016	1.56	128	0.72	183	-0.38	372			Complete
C510-RP10299	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016	2.14	128	1.27	183	0.15	372			Complete
C510-RP102100	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016	0.87	128	1.45	183	0.83	372			Complete
C510-RP102101	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016	-1.31	128	0.40	183	0.35	372			Complete
C510-RP102102	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016	0.78	128	0.59	183	-0.29	372			Complete
C510-RP102103	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016	-2.22	128	-0.99	183	0.04	372		Catcher frame removed.	Complete
C510-RP102104	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016	-2.39	128	-1.56	183	-0.44	372			Complete
C510-RP102105	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016	-1.57	128	-0.94	183	-0.02	372			Complete
C510-RP102106	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016	-2.09	128	-0.29	183	0.20	372			Complete
C510-RP102107	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016	2.62	128	0.76	183	0.11	372			Complete
C510-RP102108	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016	3.52	128	1.70	183	0.63	372			Complete
C510-RP102109	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016	-0.77	128	-0.90	183	-0.11	372			Complete
C510-RP102110	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016	-3.01	128	-0.66	183	-0.04	372			Complete
C510-RP102111	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016	-2.16	128	-1.81	183	-0.48	372			Complete
C510-RP102112	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016	-1.18	128	-1.70	183	-0.26	372			Complete

Table 2 - Block 02 Decommissioning Status Tracker CK

04/04/2018

< 2.0 mm GREEN	< 3.5 mm AMBER	> 3.5 mm RED

AVERAGE DISPLACEMENT TREND

C510 Sensor Name	Block	Section	Int / Ext	Measurement Type	Sensor Type	Sensor Description	Asset/Location	EOI Last Primary Layer Construction	Last Construction Date	Latest Surveyed Date	120 Days	120 Day Calculation Period	180 Days	180 Day Calculation Period	365 Days	365 Day Calculation Period	Ceased Date	General Comment	Decommissioning Status
C510-CK102001	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	0.08	128	0.14	183	-0.25	366			Outstanding
C510-CK102002	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	19/07/2017	0.20	128	0.14	183	0.01	366			Outstanding
C510-CK10208	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	0.14	128	0.23	183	-0.19	366			Outstanding
C510-CK10209	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	0.13	128	0.00	183	-0.01	366			Outstanding
C510-CK10210	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	-0.45	127	0.00	182	0.02	372			Outstanding
C510-CK102101	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	19/07/2017	0.00	128	0.00	183	-0.03	366			Outstanding
C510-CK102102	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/07/2017	-0.01	128	0.13	183	-0.17	366			Outstanding
C510-CK102103	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/07/2017	0.35	128	0.50	183	0.22	366			Outstanding
C510-CK102104	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	04/06/2017	0.02	125	0.09	181	0.18	370			Outstanding
C510-CK102105	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	04/06/2017	0.22	125	0.31	181	-0.17	370			Outstanding
C510-CK102106	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	-0.37	128	0.00	183	-0.09	366			Outstanding
C510-CK102107	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	0.00	128	-0.25	183	-0.17	366			Outstanding
C510-CK102108	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	-1.08	134	-1.12	183	-0.85	366			Outstanding
C510-CK102109	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	-0.27	134	-0.14	183	-0.44	366			Outstanding
C510-CK102110	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	0.13	134	0.17	183	-0.13	366			Outstanding
C510-CK102111	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	-0.16	128	-0.01	183	0.29	366			Outstanding
C510-CK102112	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	19/07/2017	0.54	128	-0.20	183	-0.39	366			Outstanding
C510-CK102113	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	19/07/2017	0.14	128	-0.11	190	-0.73	366			Outstanding
C510-CK102114	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	05/06/2017	1.20	125	0.82	181	0.33	370			Outstanding
C510-CK102201	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	-0.26	128	-0.03	183	-0.20	366			Outstanding
C510-CK102202	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	-0.67	128	0.36	183	-0.33	366			Outstanding
C510-CK102203	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-7	28/02/2017	18/07/2017	0.07	128	0.00	183	-0.12	366			Outstanding
C510-CK102204	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	0.50	128	1.01	183	0.46	366			Outstanding
C510-CK102205	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	-0.13	128	0.00	183	-0.03	366			Outstanding
C510-CK102206	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	0.00	128	0.37	183	0.08	366			Outstanding
C510-CK102207	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	0.00	128	0.00	183	0.14	366			Outstanding
C510-CK102208	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	0.00	128	0.00	183	0.00	366			Outstanding
C510-CK102209	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	0.19	128	0.11	183	-0.12	366			Outstanding
C510-CK102210	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	0.29	128	0.66	183	0.14	366			Outstanding
C510-CK102211	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/07/2017	0.30	128	0.36	183	0.24	366			Outstanding
C510-CK102212	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	19/07/2017	-0.13	128	0.38	183	-0.05	366			Outstanding
C510-CK102213	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/07/2017	1.18	127	1.44	189	0.38	372			Outstanding
C510-CK102301	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	0.51	134	0.33	183	0.07	366		Crackmeter stable. For latest data see Appendix I. Also please refer to document "Salisbury House Stairs Crackmeters.xlsm"	Outstanding
C510-CK102302	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	1.58	134	1.79	183	0.85	366			Outstanding
C510-CK102303	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	-0.33	128	0.06	183	0.04	366			Outstanding
C510-CK102304	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	0.61	128	0.69	183	-0.10	366			Outstanding
C510-CK102305	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	12/03/2017	0.00	125	0.00	187	-0.30	370			Outstanding
C510-CK102306	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-7	28/02/2017	18/07/2017	-0.20	128	-0.28	183	0.02	366			Outstanding
C510-CK102307	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	0.00	128	0.53	183	-0.92	366			Outstanding
C510-CK102308	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	-0.83	128	-1.01	183	-0.06	366			Outstanding
C510-CK102309	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	0.00	128	0.00	183	-0.03	366			Outstanding
C510-CK102310	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	05/01/2016	0.00		0.00		0.00				Outstanding
C510-CK102401	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	-0.17	127	-0.15	182	-0.20	372			Outstanding
C510-CK102402	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	-0.14	134	0.33	211	-0.63	366			Outstanding
C510-CK102403	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	0.34	128	0.26	183	0.04	366			Outstanding
C510-CK102404	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	19/07/2017	-1.28	128	-0.79	183	0.17	366			Outstanding
C510-CK102405	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	19/07/2017	0.22	128	0.44	183	0.58	366			Outstanding
C510-CK102406	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-7	28/02/2017	18/07/2017	0.29	128	-0.08	183	0.09	366			Outstanding
C510-CK102407	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/07/2017	0.48	128	0.39	183	0.26	366			Outstanding
C510-CK102408	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	0.00	127	0.00	182	0.16	372			Outstanding
C510-CK102501	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	-0.12	128	-0.46	183	-0.15	366			Outstanding
C510-CK102502	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	19/12/2016	0.63	125	0.36	183	0.33	378			Outstanding
C510-CK102503	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	-0.21	128	-0.16	183	-0.04	366			Outstanding
C510-CK102504	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/07/2017	0.47	128	0.27	183	0.08	366			Outstanding
C510-CK102505	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	19/07/2017	0.13	128	-0.15	183	0.00	366			Outstanding
C510-CK102506	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	0.20	128	0.28	183	0.03	366			Outstanding
C510-CK102507	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	-2.81	128	-1.77	183	0.06	366			Outstanding
C510-CK102508	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	1.26	128	1.02	183	0.23	366			Outstanding
C510-CK102509	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	-0.55	128	-0.34	183	0.40	366			Outstanding
C510-CK102510	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	0.38	128	-0.12	183	0.88	366			Outstanding
C510-CK102511	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	-0.88	128	-0.41	183	0.21	366			Outstanding
C510-CK102512	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	0.22	128	0.49	183	0.23	366			Outstanding
C510-CK102513	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	0.64	128	0.45	183	0.14	366			Outstanding
C510-CK102514	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	-0.07	128	-0.11	183	-0.06	366			Outstanding
C510-CK102515	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	1.56	128	0.40	183	0.24	366			Outstanding
C510-CK102516	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017	0.90	128	0.83	183	-0.07	366			Outstanding
C510-CK102601	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	19/07/2017	0.79	134	0.36	211	0.32	366			Outstanding

C510-CK102901	Block 102	S10201	Internal	Manual	CK	Crack Monitor	Cantilever Stairs	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	02/03/2017	0.35	128	0.23	191	0.16	372		Crackmeter stable. For latest data see Appendix I. Also please refer to document "Block 2 Cantilever Stairs and University Crackmeter Graph.xlsm".	Outstanding
C510-CK102902	Block 102	S10201	Internal	Manual	CK	Crack Monitor	Cantilever Stairs	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	02/03/2017	0.53	128	0.53	191	0.25	372			Outstanding
C510-CK102904	Block 102	S10201	Internal	Manual	CK	Crack Monitor	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	02/03/2017	-0.19	128	0.07	203	0.10	372			Outstanding
C510-CK102905	Block 102	S10201	Internal	Manual	CK	Crack Monitor	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	04/03/2017	0.06	121	-0.37	181	-0.53	374			Outstanding
C510-CK102906	Block 102	S10201	Internal	Manual	CK	Crack Monitor	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	02/03/2017	0.91	128	0.78	191	0.37	372			Outstanding
C510-CK102907	Block 102	S10201	Internal	Manual	CK	Crack Monitor	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	04/03/2017	0.91	121	1.38	181	1.17	374			Outstanding

5.3 Supplementary Evidence for Decommissioning

In some cases, supplementary evidence will be provided to support the decommissioning evidence.

- LP12234 - The road stud that was located in the area shown in the picture below (Figure 3) has been damaged and removed.

Figure 3. LP12234

5.4 Monitoring sensor Location Plan and Decommissioning Status

The following plots provide a visual representation of all Block 02 remaining monitoring sensors with a colour circle that defines its settlement status. A green circle represents when a trend is below 2mm/yr and the larger the circle the greater the trend period. When a trend has not been met, a small red circle will represent the monitoring sensor. There are three plans for Block 02 monitoring sensors:

- Figure 4 - BRE & LC Monitoring Sensor Settlement Status and Location Plan
- Figure 5 - LP Monitoring Sensor Settlement Status and Location Plan
- Figure 6 - RP Monitoring Sensor Settlement Status and Location Plan

Figure 4 - BRE & LC Monitoring Sensor Settlement Status and Location Plan

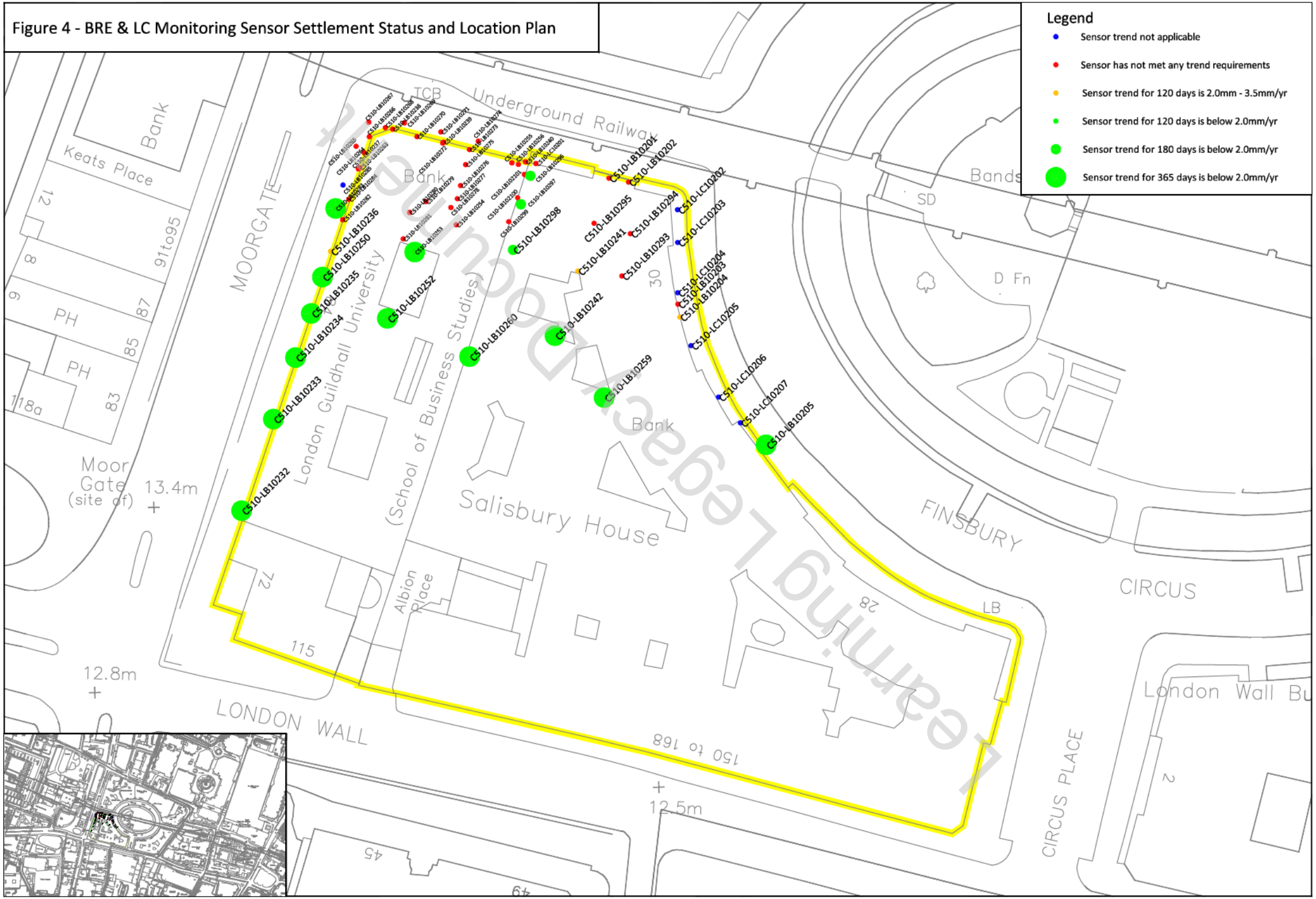


Figure 5 - LP Monitoring Sensor Settlement Status and Location Plan

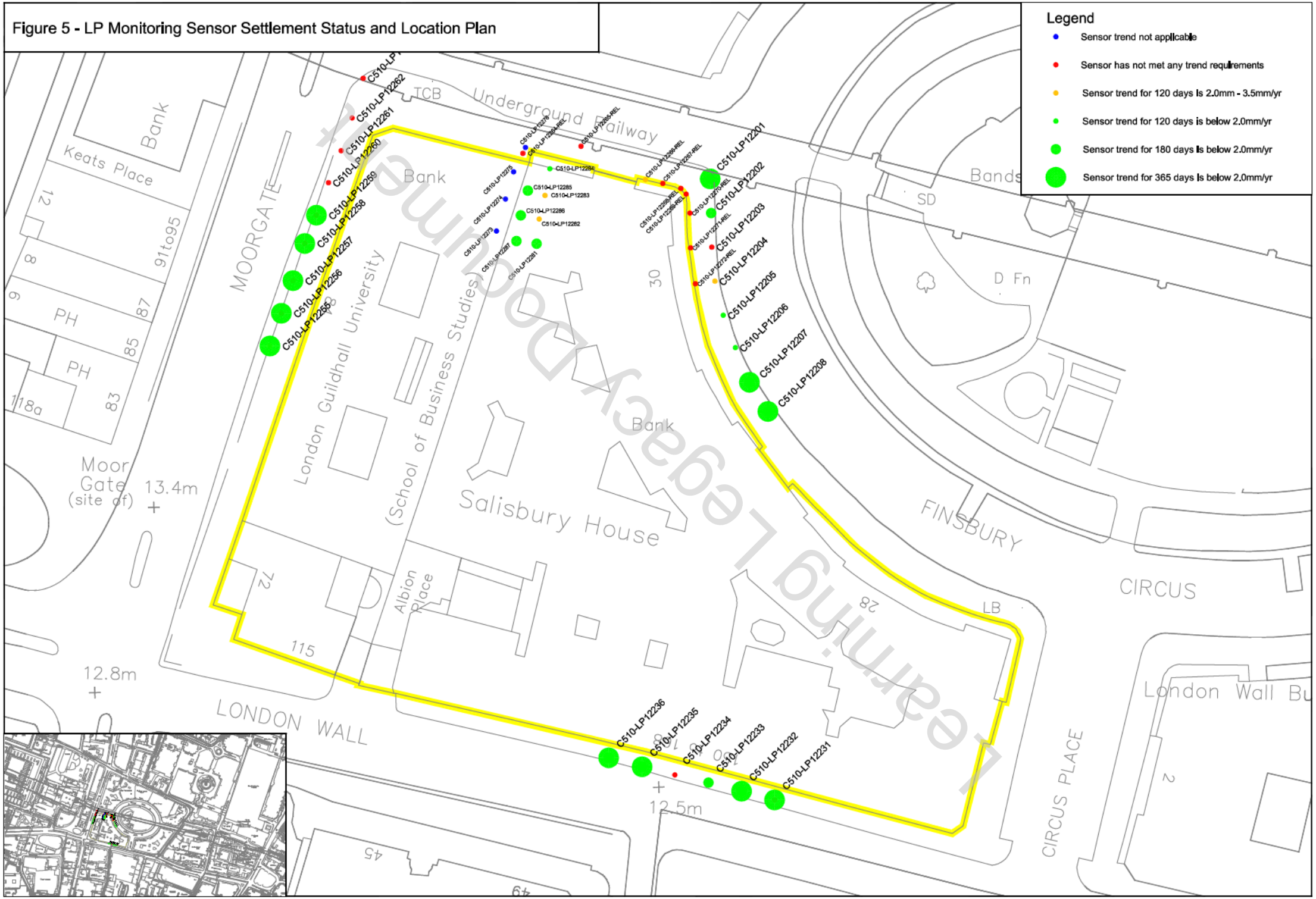
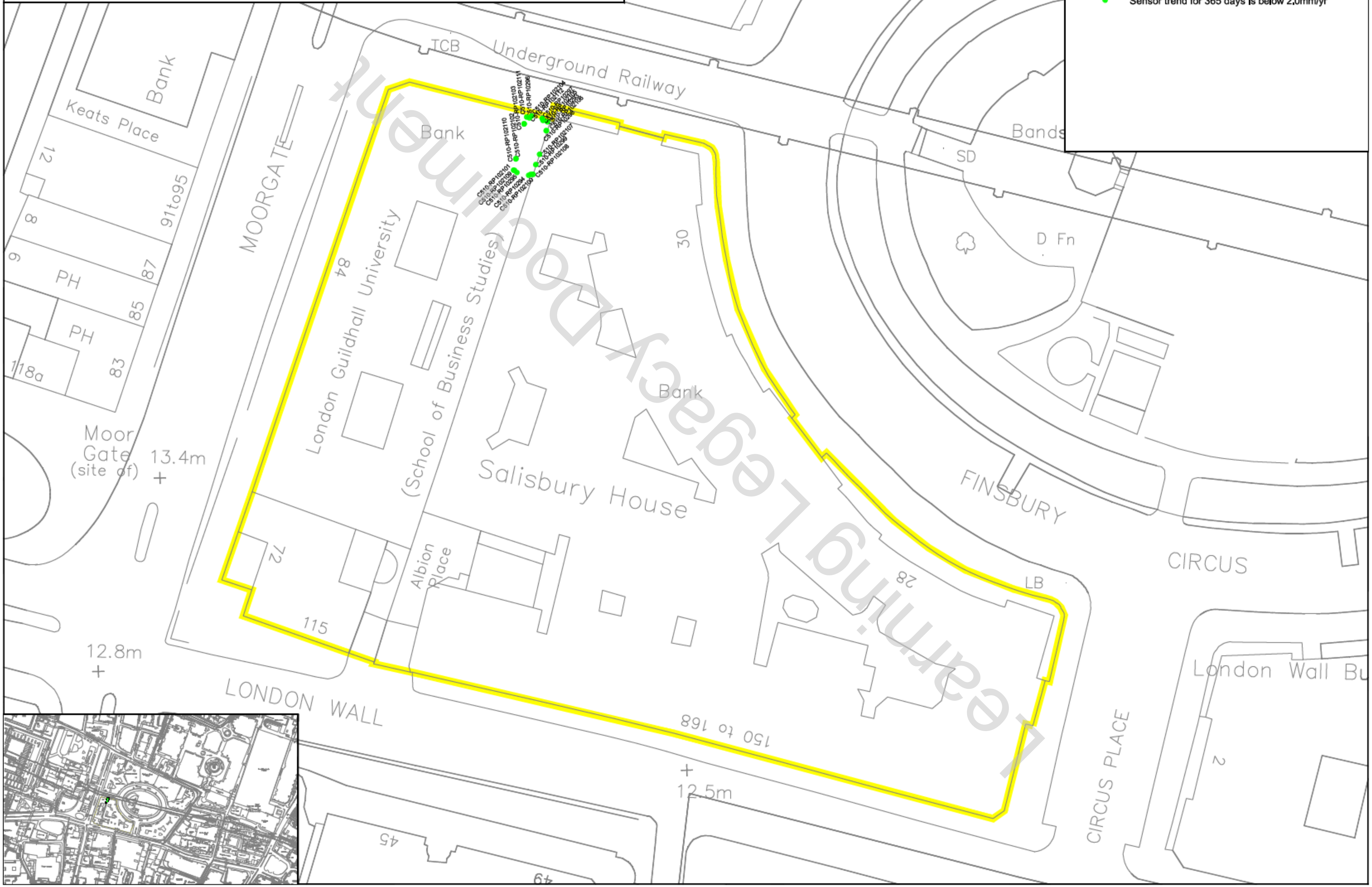


Figure 6 - RP Monitoring Sensor Settlement Status and Location Plan



6 Decommissioning Recommendations

Revision 2 of Block 02 close out report does not request all monitoring sensors to be decommissioned. The decommissioning status tracker (Table 2) identifies the monitoring sensors to be agreed for decommissioned. Monitoring sensors that are unable to be decommissioned will be reassessed in the future.

Summary to Continue to Monitor ("Outstanding to Decommission"):

- Road studs, BREs and invar scales that have not met the <2mm/year specification, as identified in Section 2;
- All crackmeters until adjacent monitoring sensors meet the <2mm/year specification;

Summary to Decommission ("Proposed to Decommission"):

- Sensors that have met the 2mm/year trend and proposed to be decommissioned, as per the decommissioning status tracker (Table 2).

N.B. When required, decommissioning and re-instatement evidence will be collected during the removal of monitoring sensors, which will be included within the final report.

7 Appendix I (Crackmeters latest results)

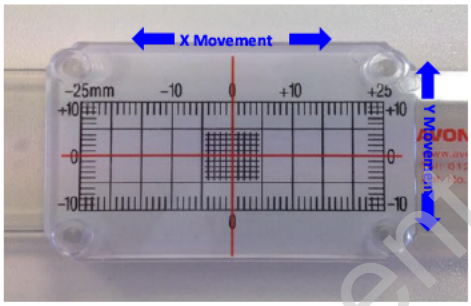
Crackmeters Results

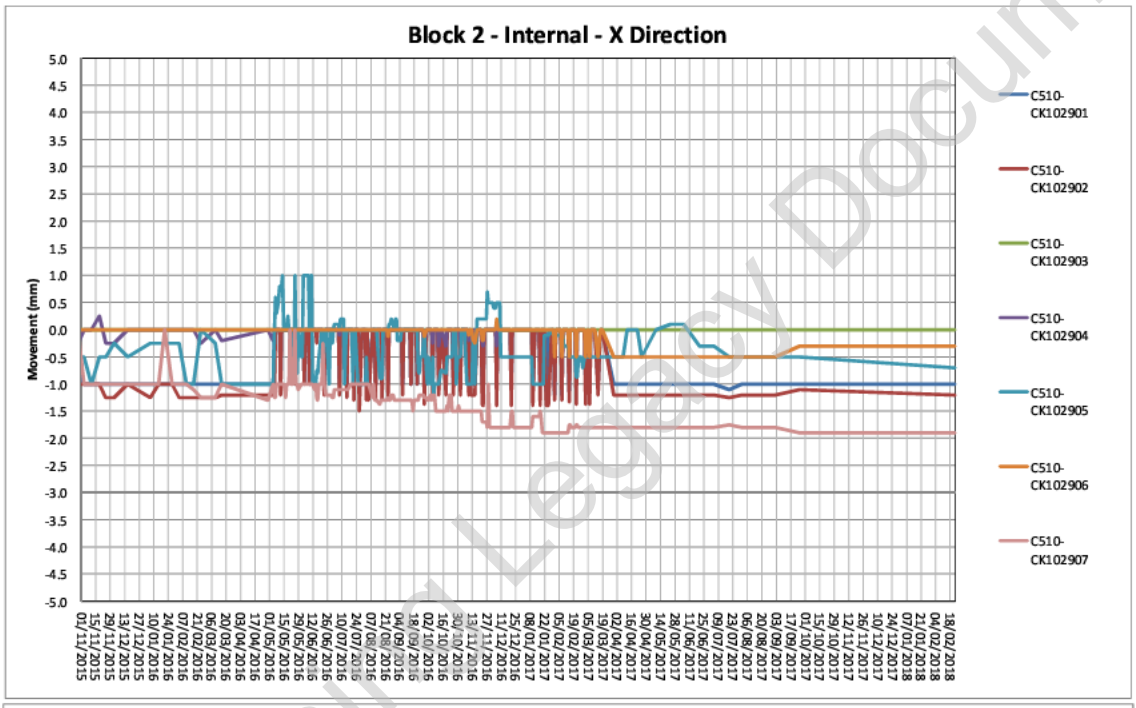
Block 2 Cantilever Stairs & University - Internal

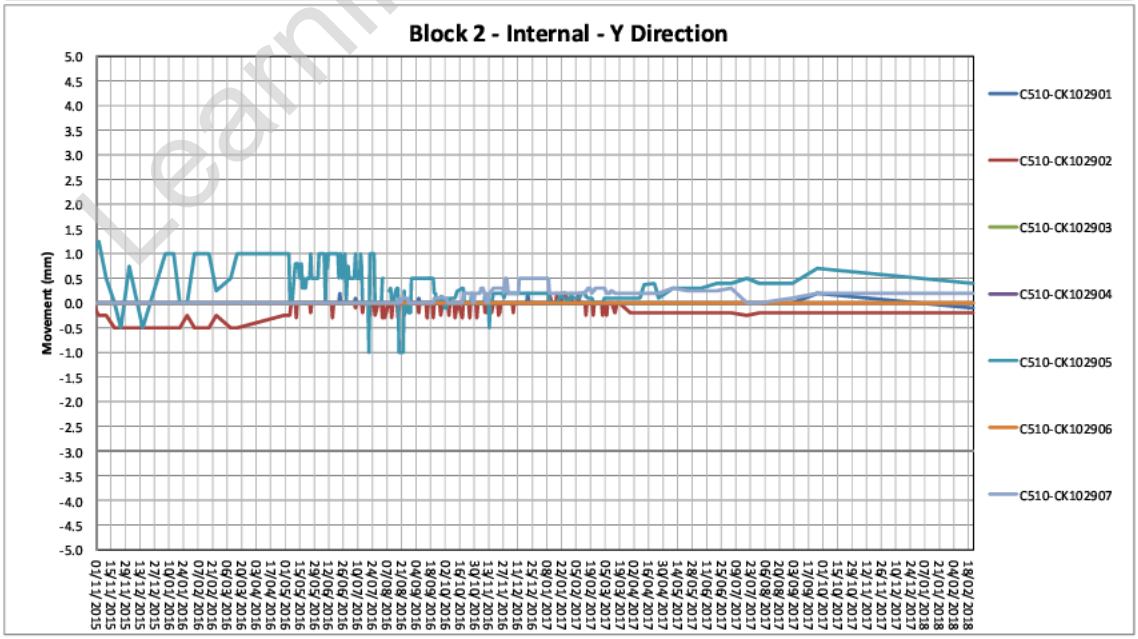
22/02/2018

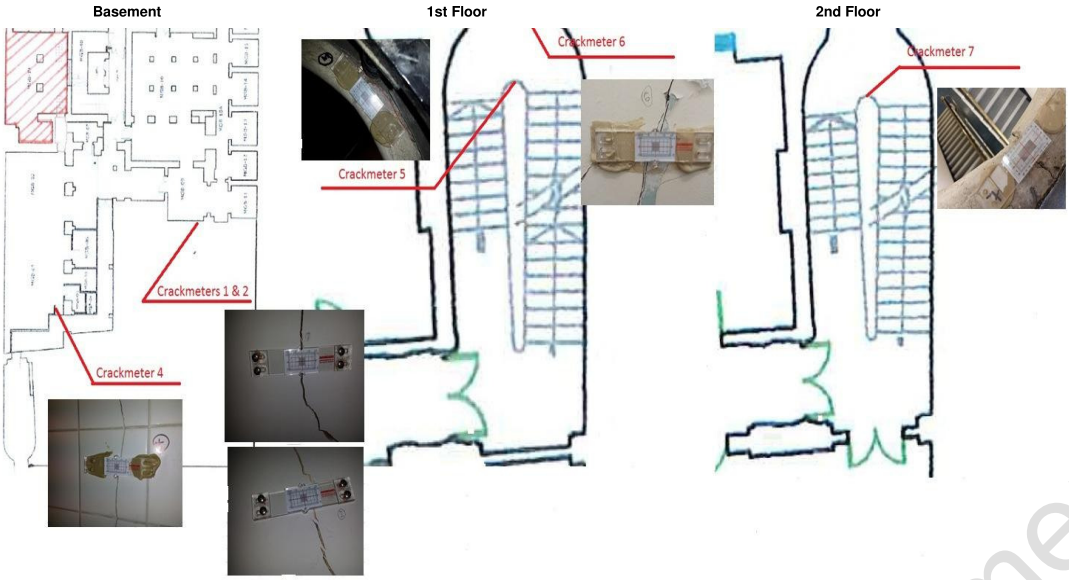
	Crack Width (mm)	Date Installed	Baseline Value X	Baseline Value Y
C510-CK102901	2.0	28/05/2014	0.0	0.0
C510-CK102902	1.8	28/05/2014	0.0	0.0
C510-CK102903	0.0	28/05/2014	0.0	0.0
C510-CK102904	1.0	28/05/2014	0.0	0.0
C510-CK102905	0.5	28/05/2014	0.0	0.0
C510-CK102906	1.0	28/05/2014	0.0	0.0
C510-CK102907	0.5	28/05/2014	0.0	0.0

Note: C510-CK10204 Can't get acces
23/08/2016 - No access to CK10204
11-04-2017 - No access to CK10204
21-04-2017 - No access to CK10204
04-07-2017 No acceCESS TO CK10204







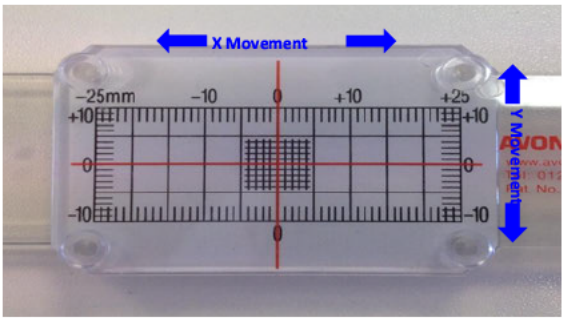


Crackmeters Results

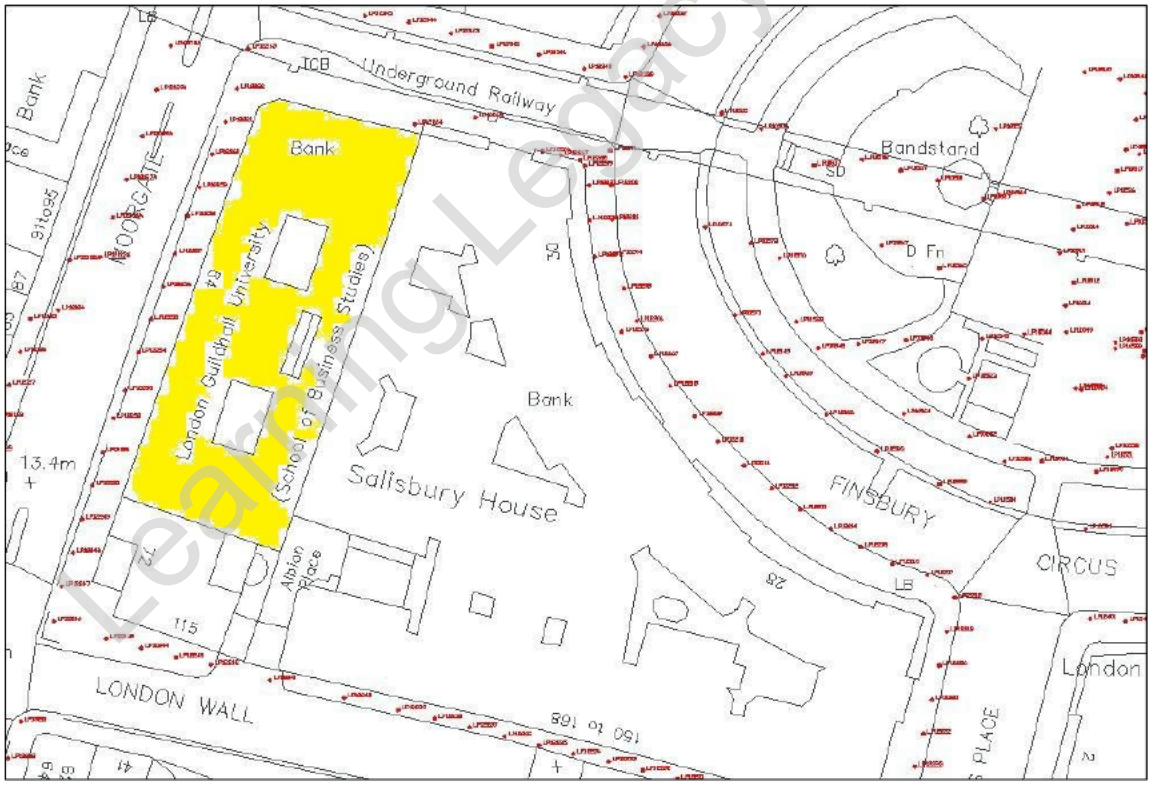
Crackmeters Block 2 University

22/02/2018

COMMENTS
25/05/2016 C510-CK102507 The crack-meter is damaged due to the wall movement and needs to be re-installed.
27/07/2016 - C510-CK102301-2 No access to crack meters.
27/09/2016 - No access to C510-CK102202 & CK102203 due to class in progress.
27/09/2016 - CK102308 showing movement, but likely due to crack meter being disturbed.
11/10/2016 - CK102508-16 and CK102202-03 Couldn't get in a class going on
25/10/2016 -CK102202-03 Couldn't get in a class going on
12/12/2016-
2017-01-17 502, 402 broken 104, 112 not visable due to lighting
07/04/2017 - CK102305 has been knocked.
2017-07-17 CK102104,05,14 Removed

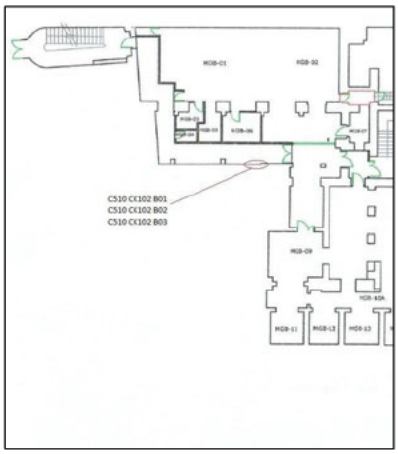


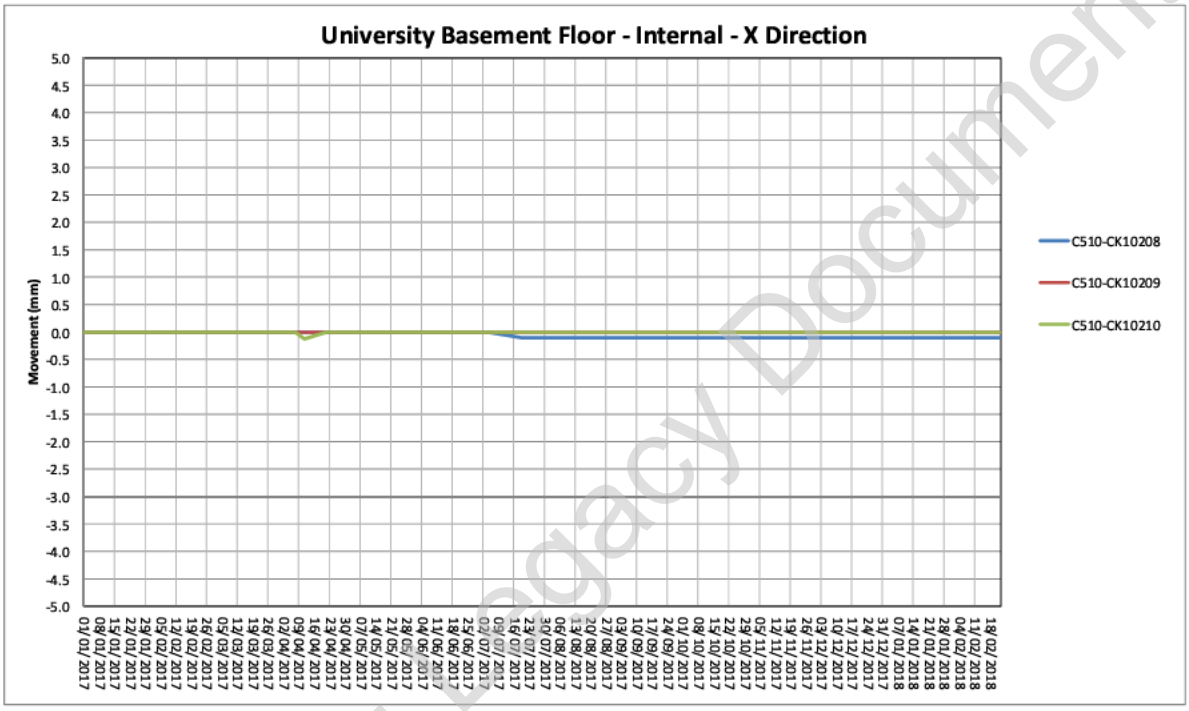
GENERAL LOCATION PLAN FOR UNIVERSITY CRACKMETERS

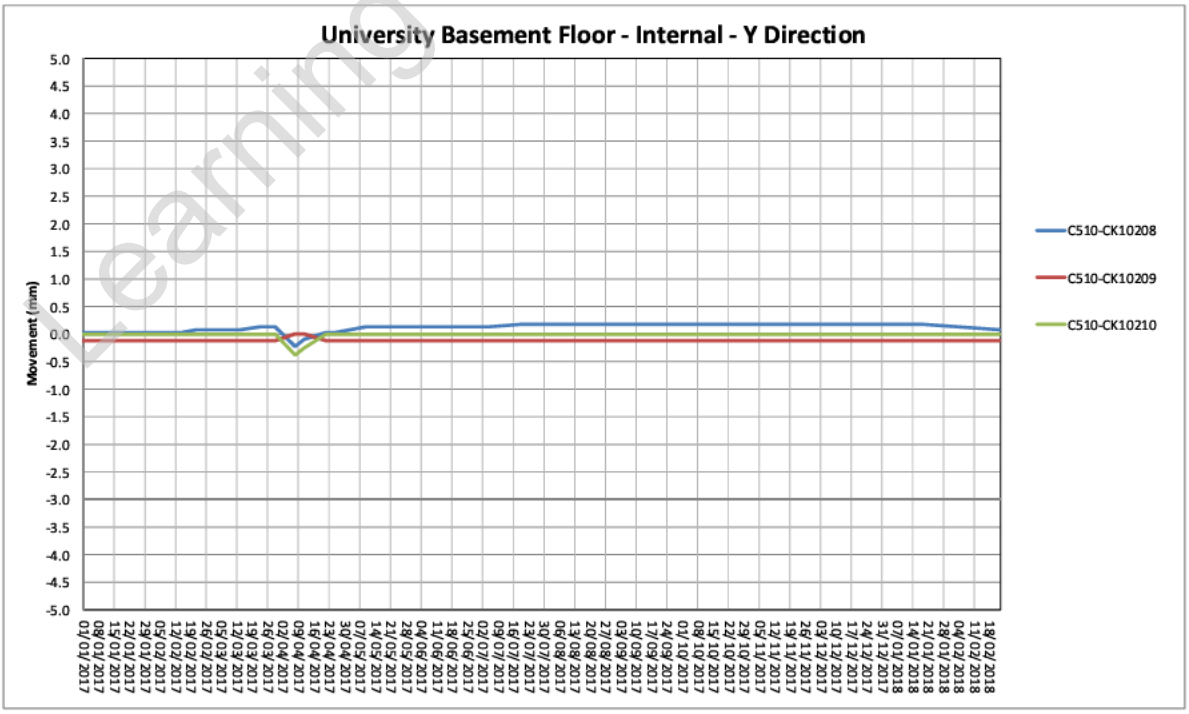


University Basement Floor				
Name	Initial Crack Width (mm)	Baseline Date	Baseline Value	
			X	Y
C510-CK10208	1.50	29/06/2015	0.00	-0.28
C510-CK10209	0.65	30/06/2015	0.00	0.12
C510-CK10210	1.00	04/08/2015	0.00	0.00

Crackmeter Location Plan Basement Floor

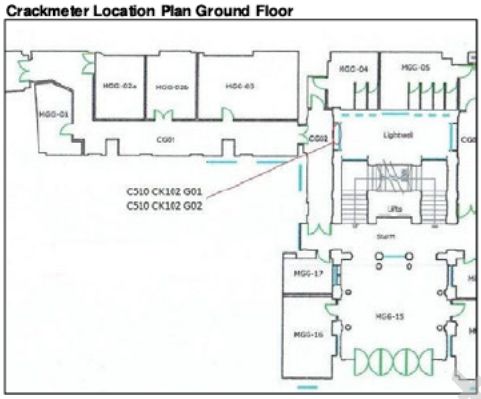


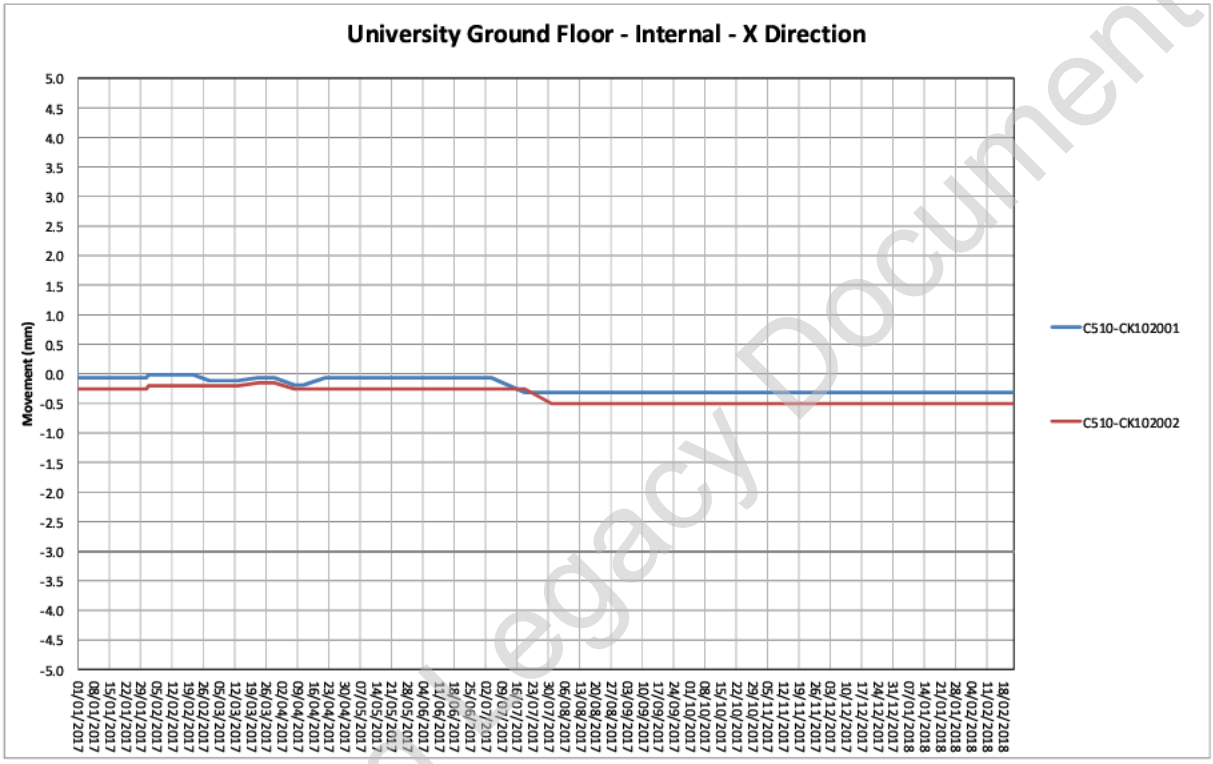


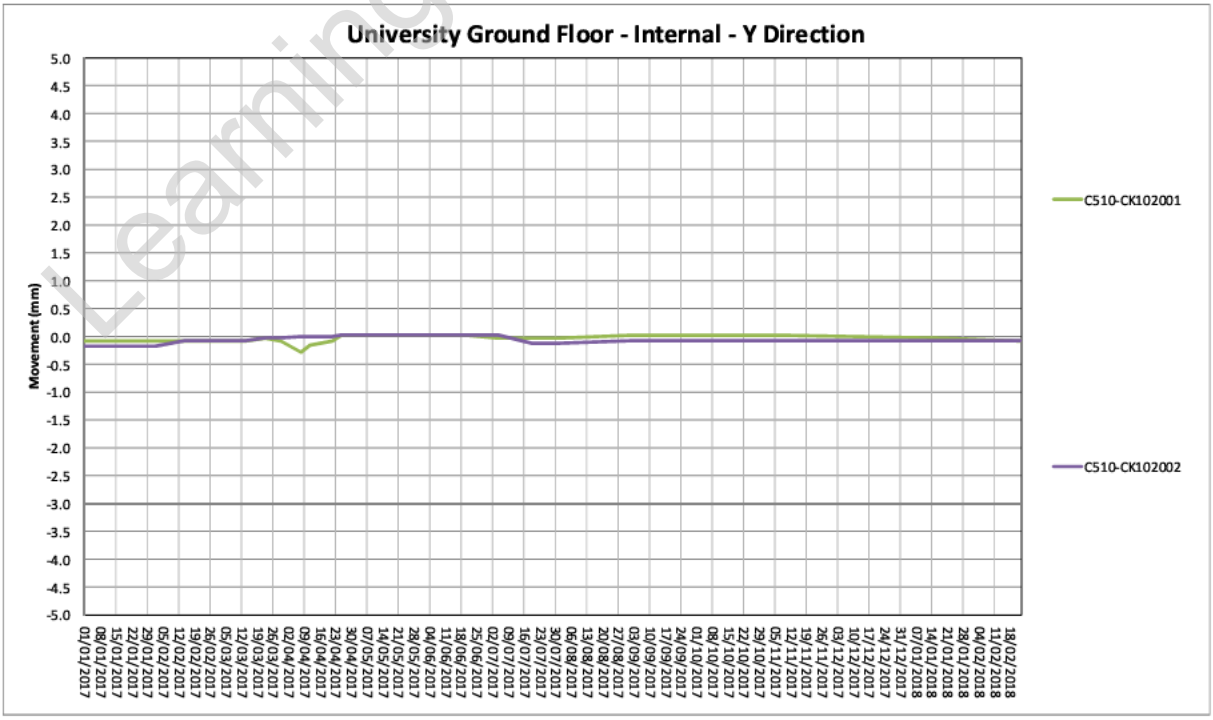


University Ground Floor				
Name	Initial Crack Width (mm)	Baseline Date	Baseline Value	
			X	Y
C510-CK102001	0.65	30/06/2015	-0.19	-0.22
C510-CK102002	0.80	03/02/2015	0.00	-0.13

Crackmeter Location Plan Ground Floor

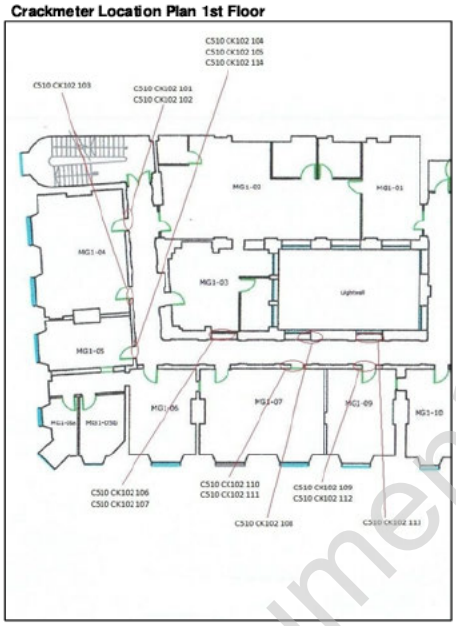


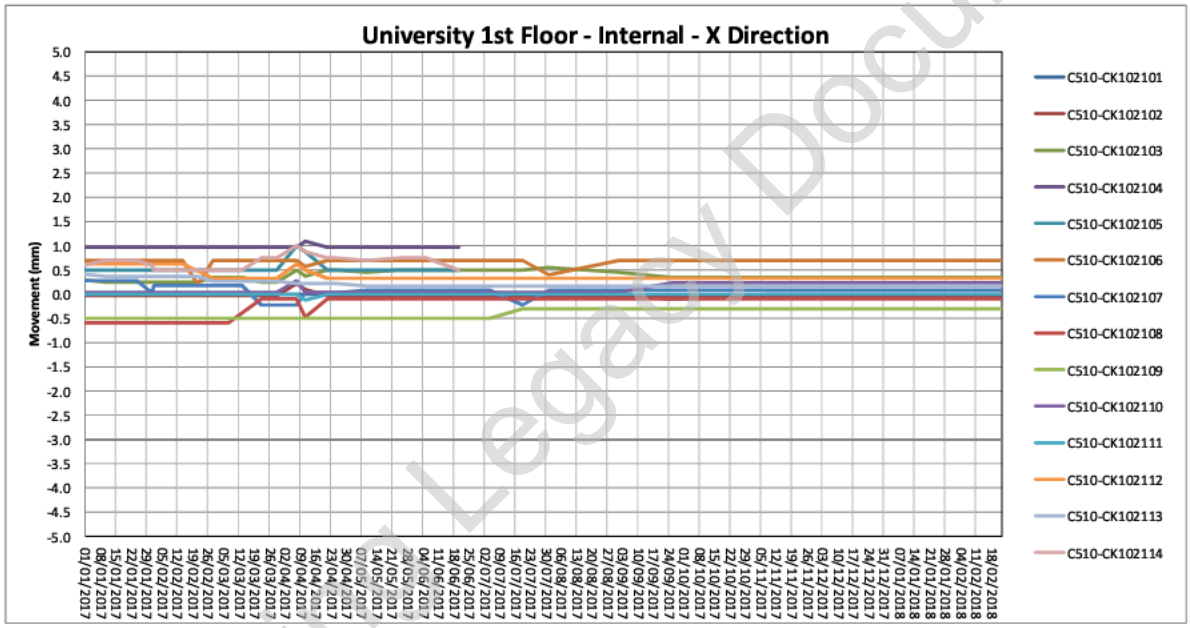


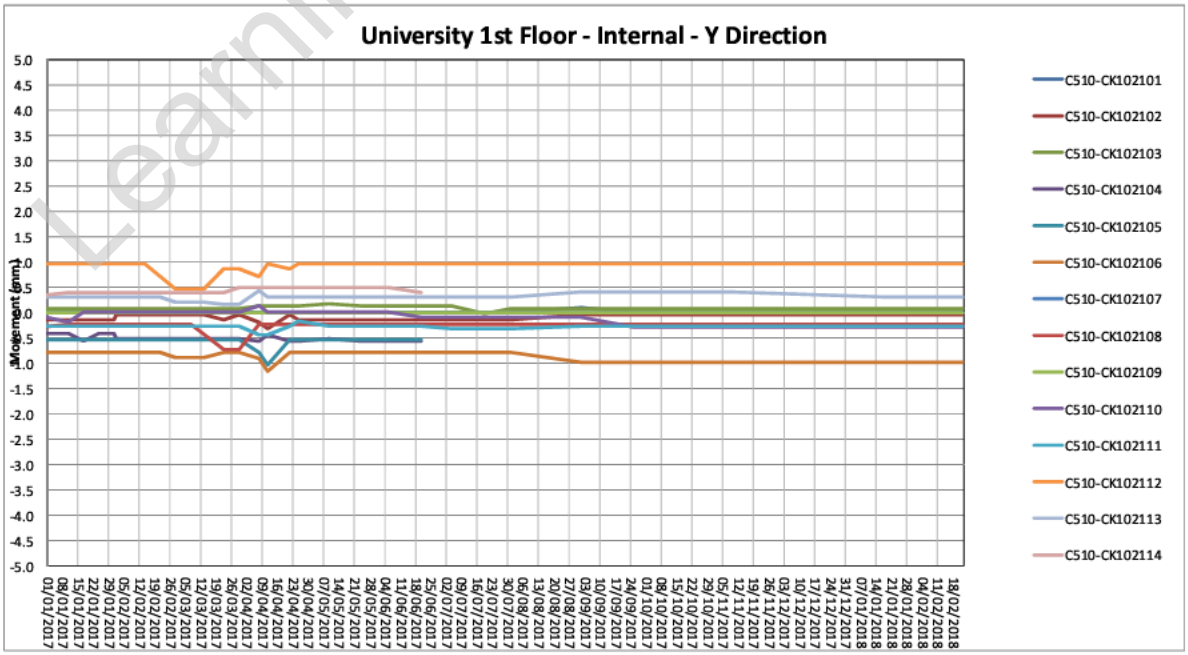


University 1st Floor				
Name	Initial Crack Width (mm)	Baseline Date	Baseline Value	
			X	Y
C510-CK102101	0.10	09/07/2015	0.00	1.00
C510-CK102102	0.30	07/07/2015	0.03	-0.06
C510-CK102103	0.20	07/07/2015	0.25	0.12
C510-CK102104	1.50	15/07/2015	0.03	-1.19
C510-CK102105	1.00	15/07/2015	0.00	0.03
C510-CK102106	0.15	07/07/2015	-0.20	0.28
C510-CK102107	0.20	07/07/2015	-0.28	0.00
C510-CK102108	0.45	08//07/2015	0.59	-0.28
C510-CK102109	1.00	07/07/2015	0.00	0.00
C510-CK102110	0.55	07/07/2015	-0.03	0.48
C510-CK102111	0.75	07/07/2015	0.00	0.06
C510-CK102112	2.50	03/02/2015	-0.13	0.03
C510-CK102113	2.00	03/02/2015	0.03	0.19
C510-CK102114	0.70	15/07/2015	0.00	0.00

Crackmeter Location Plan 1st Floor

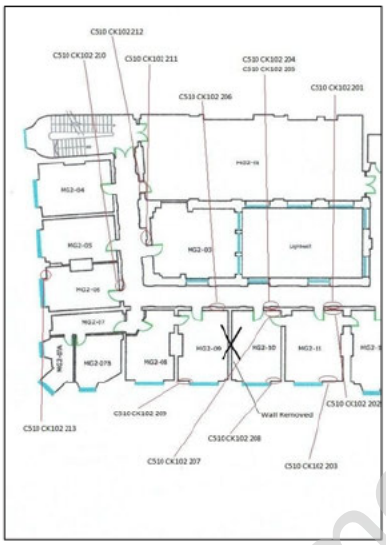


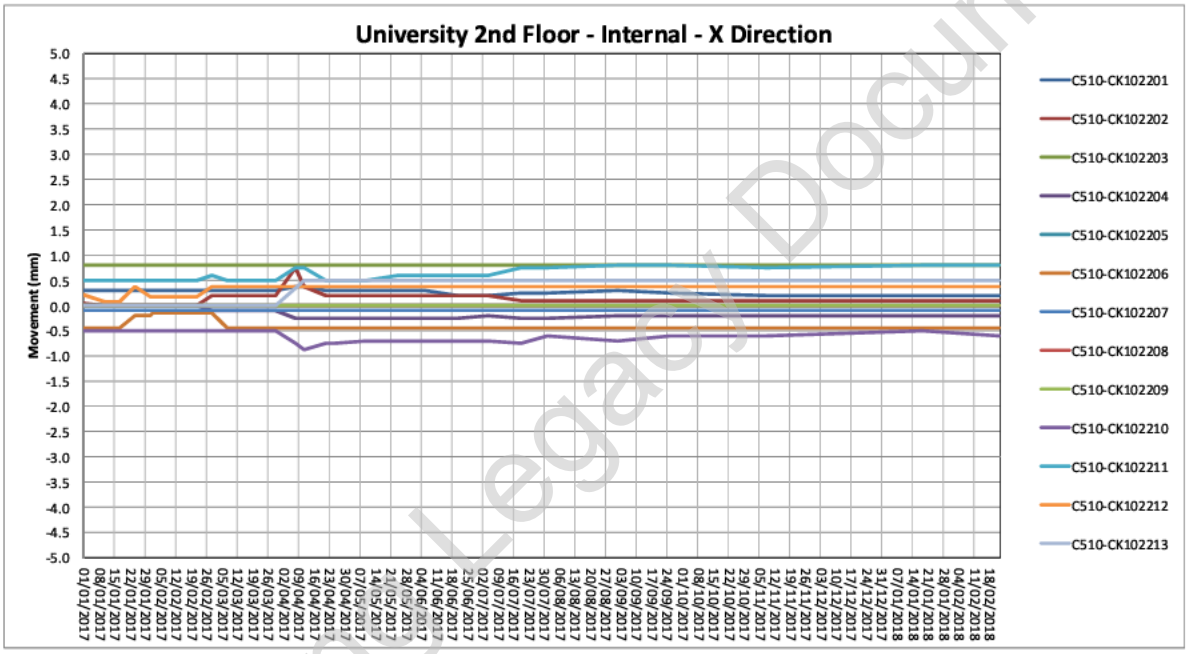


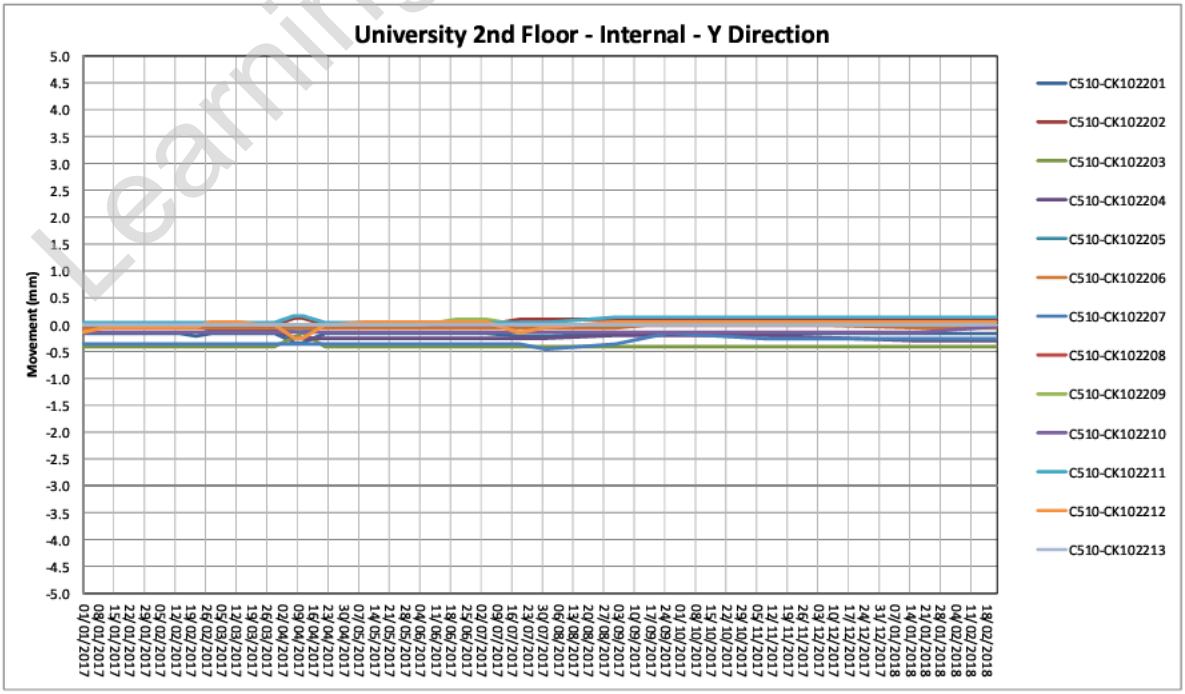


University 2nd Floor				
Name	Initial Crack Width (mm)	Baseline Date	Baseline Value	
			X	Y
C510-CK102201	1.00	29/06/2015	0.00	-0.04
C510-CK102202	0.95	29//06/2015	0.00	-0.06
C510-CK102203	1.25	07/07/2015	0.20	0.41
C510-CK102204	0.40	29/06/2015	0.00	0.00
C510-CK102205	0.80	29/06/2015	0.00	0.00
C510-CK102206	0.15	29/06/2015	-0.06	-1.44
C510-CK102207	0.15	01/07/2015	0.09	0.36
C510-CK102208	0.65	08/07/2015	0.00	0.01
C510-CK102209	0.30	08/07/2015	0.00	-1.50
C510-CK102210	0.45	29/06/2015	-0.50	0.14
C510-CK102211	0.60	29/06/2015	0.00	-0.04
C510-CK102212	0.70	03/02/2015	-0.38	-0.25
C510-CK102213	2.00	17/11/2015	0.00	0.00

Crackmeter Location Plan 2nd Floor

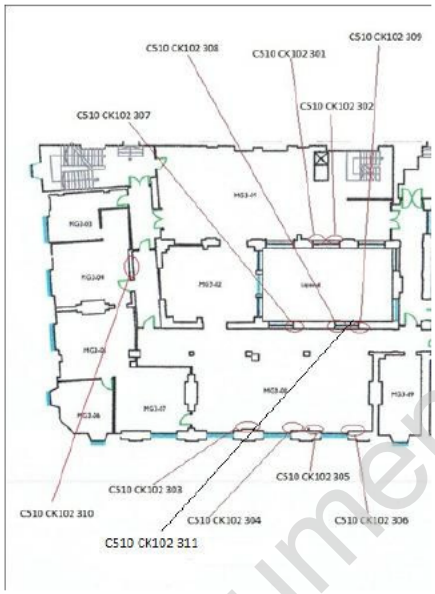


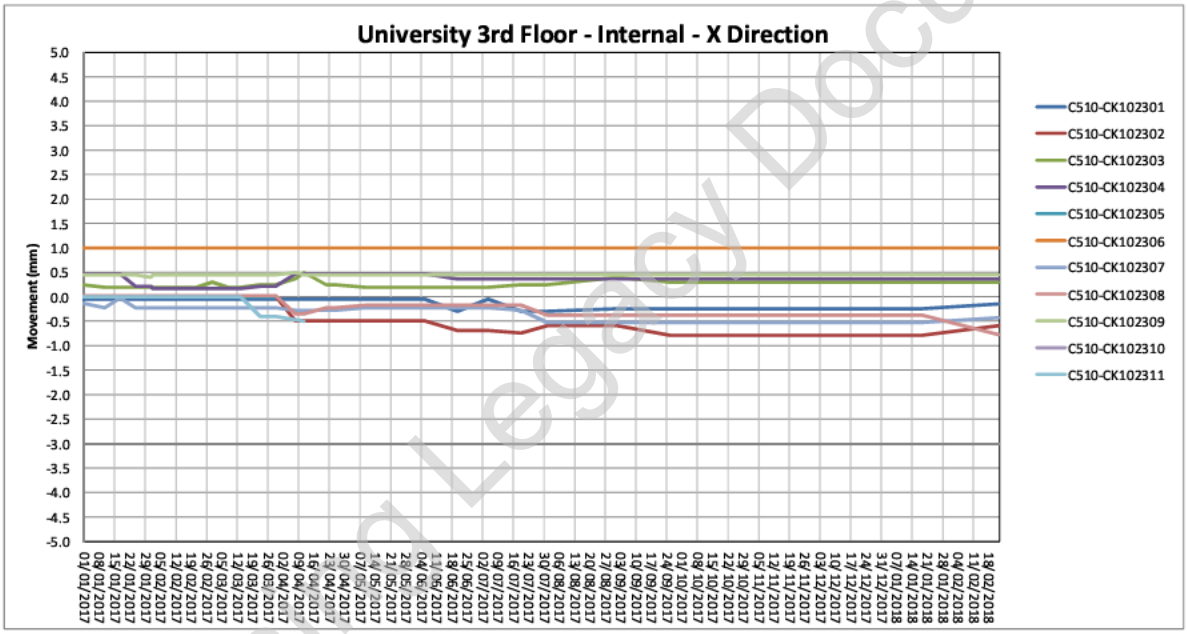


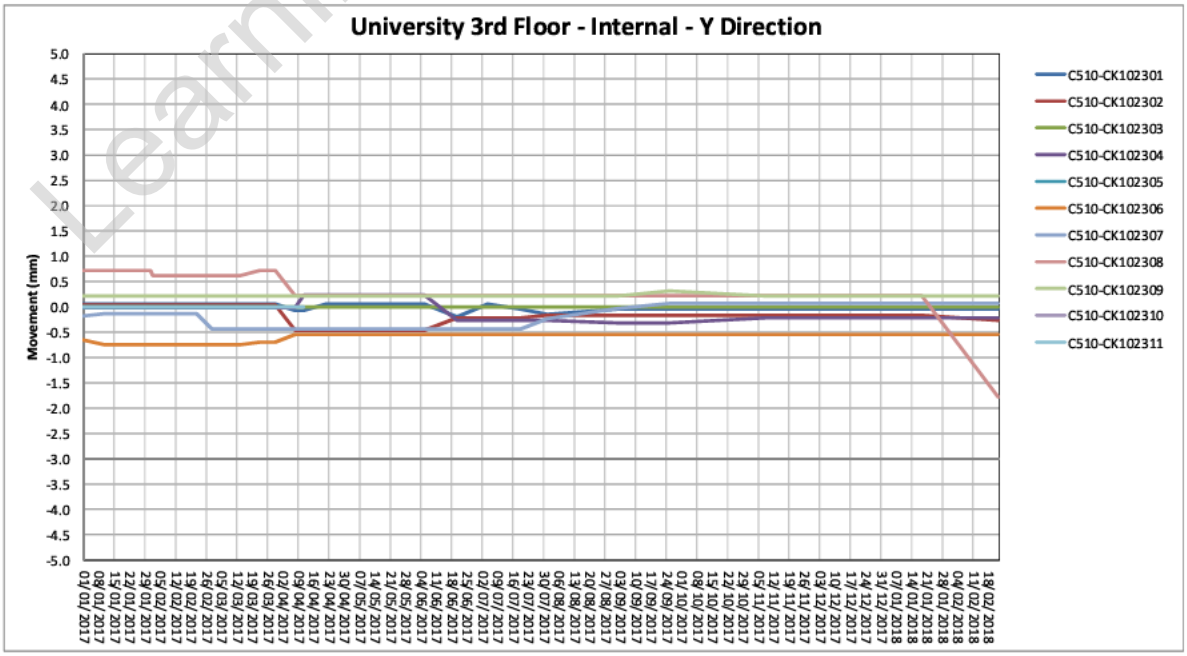


University 3rd Floor				
Name	Initial Crack Width (mm)	Baseline Date	Baseline Value	
			X	Y
C510-CK102301	0.30	07/07/2015	0.04	-0.06
C510-CK102302	0.70	07/07/2015	-0.01	-0.04
C510-CK102303	0.40	29/06/2015	0.00	0.00
C510-CK102304	0.55	01/07/2015	0.03	0.01
C510-CK102305	0.30	29/06/2015	0.00	0.00
C510-CK102306	1.50	01/07/2015	0.00	0.04
C510-CK102307	1.00	29/06/2015	0.03	-0.07
C510-CK102308	0.65	29/06/2015	-0.03	-0.22
C510-CK102309	3.00	01/07/2015	-0.25	0.28
C510-CK102310	2.50	17/11/2015	0.00	0.00
C510-CK102311	4.00	09/06/2016	0.00	Y

Crackmeter Location Plan 3rd Floor

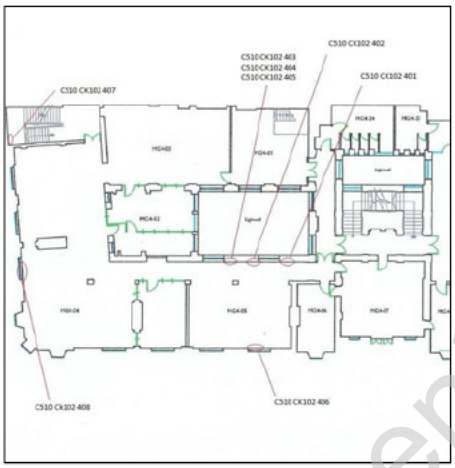


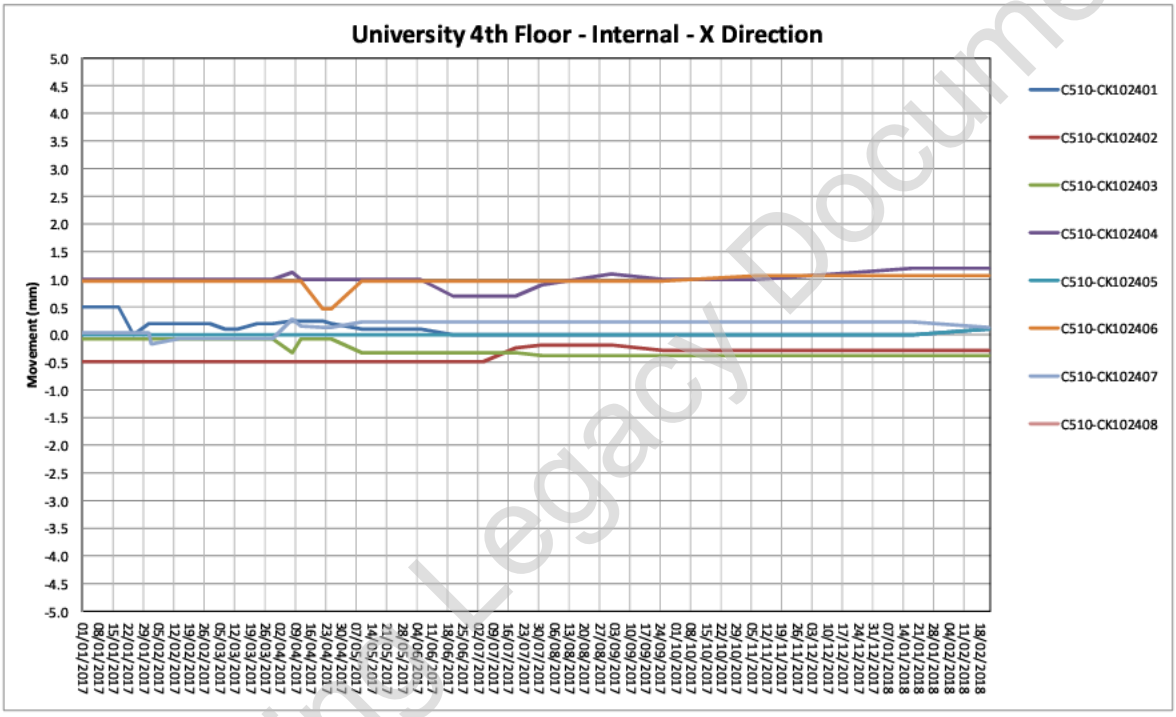


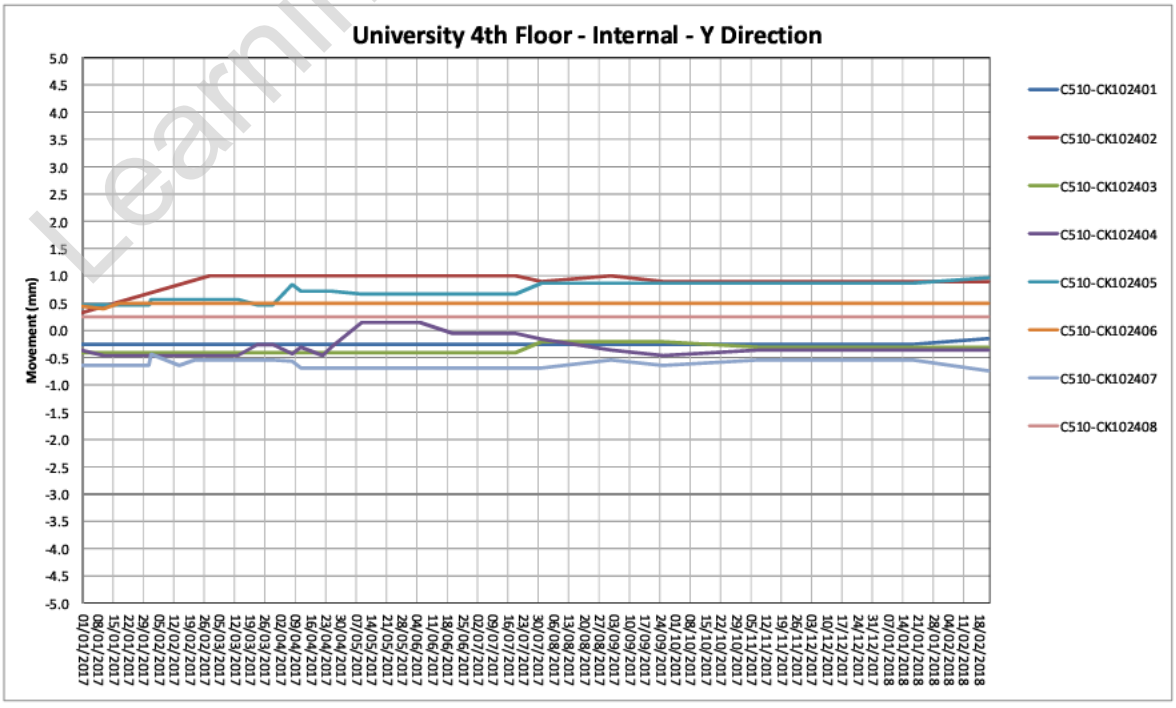


University 4th Floor				
Name	Initial Crack Width (mm)	Baseline Date	Baseline Value	
			X	Y
C510-CK102401	0.55	04/08/2015	0.00	0.25
C510-CK102402	2.00	29/06/2015	-0.01	0.00
C510-CK102403	0.60	29/06/2015	0.08	0.41
C510-CK102404	0.90	03/02/2015	0.00	0.06
C510-CK102405	2.50	03/02/2015	0.00	0.03
C510-CK102406	2.00	07/07/2015	0.03	0.00
C510-CK102407	0.45	29/06/2015	-0.03	-0.06
C510-CK102408	0.50	17/11/2015	0.00	-0.25

Crackmeter Location Plan 4th Floor

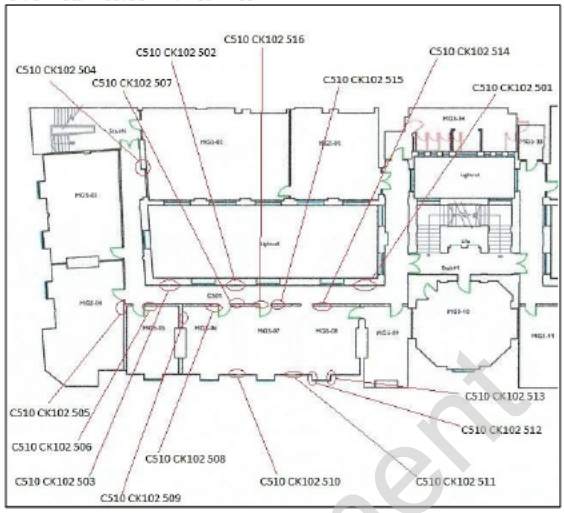


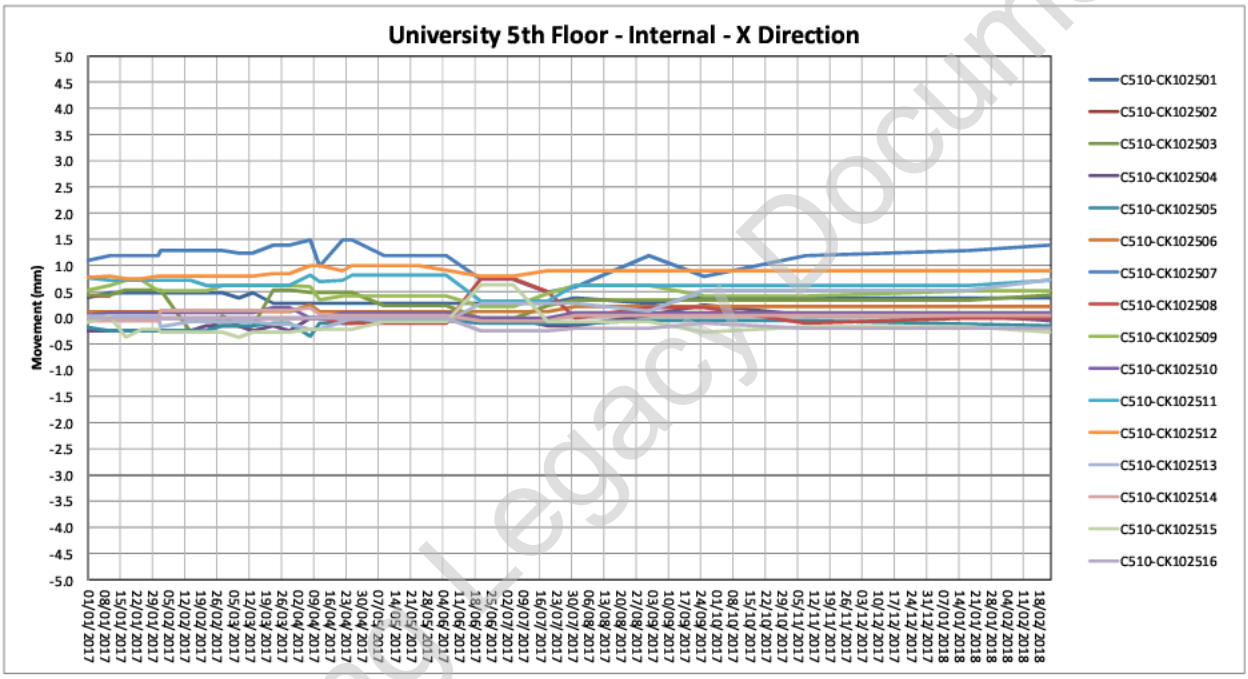


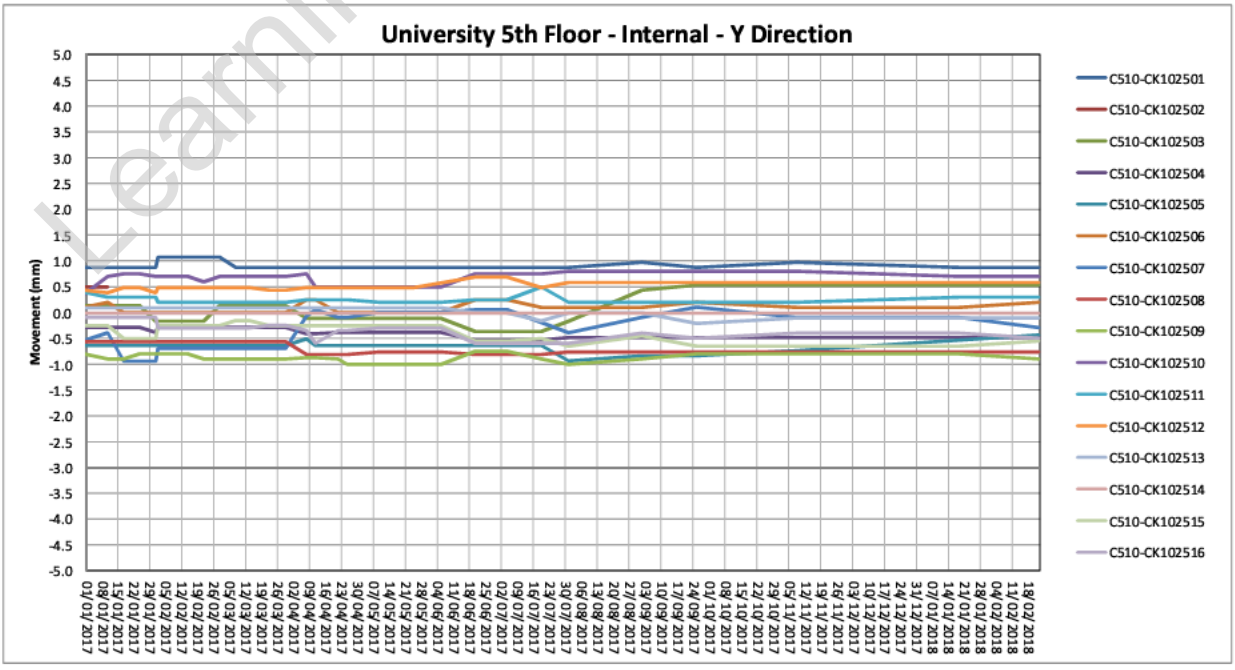


University 5th Floor				
Name	Initial Crack Width (mm)	Baseline Date	Baseline Value	
			X	Y
C510-CK102501	0.25	29/06/2015	1.72	-0.38
C510-CK102502	0.45	29/06/2015	-0.22	0.00
C510-CK102503	0.10	29/06/2015	0.26	-0.14
C510-CK102504	0.50	29/06/2015	-0.75	0.28
C510-CK102505	1.50	09/07/2015	-0.15	0.13
C510-CK102506	0.40	30/06/2015	-0.12	0.00
C510-CK102507	0.25	29/06/2015	1.31	-0.41
C510-CK102508	0.35	29/06/2015	0.00	0.56
C510-CK102509	0.15	29/06/2015	0.28	0.00
C510-CK102510	0.45	29/06/2015	0.00	0.00
C510-CK102511	0.55	29/06/2015	0.18	0.00
C510-CK102512	0.95	29/06/2015	0.00	0.01
C510-CK102513	0.70	29/06/2015	-0.03	-0.09
C510-CK102514	0.40	29/06/2015	0.06	0.01
C510-CK102515	0.60	29/06/2015	-0.53	-0.25
C510-CK102516	0.30	29/06/2015	0.50	-0.41

Crackmeter Location Plan 5th Floor

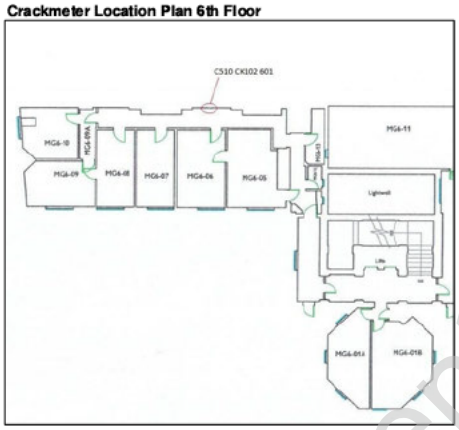


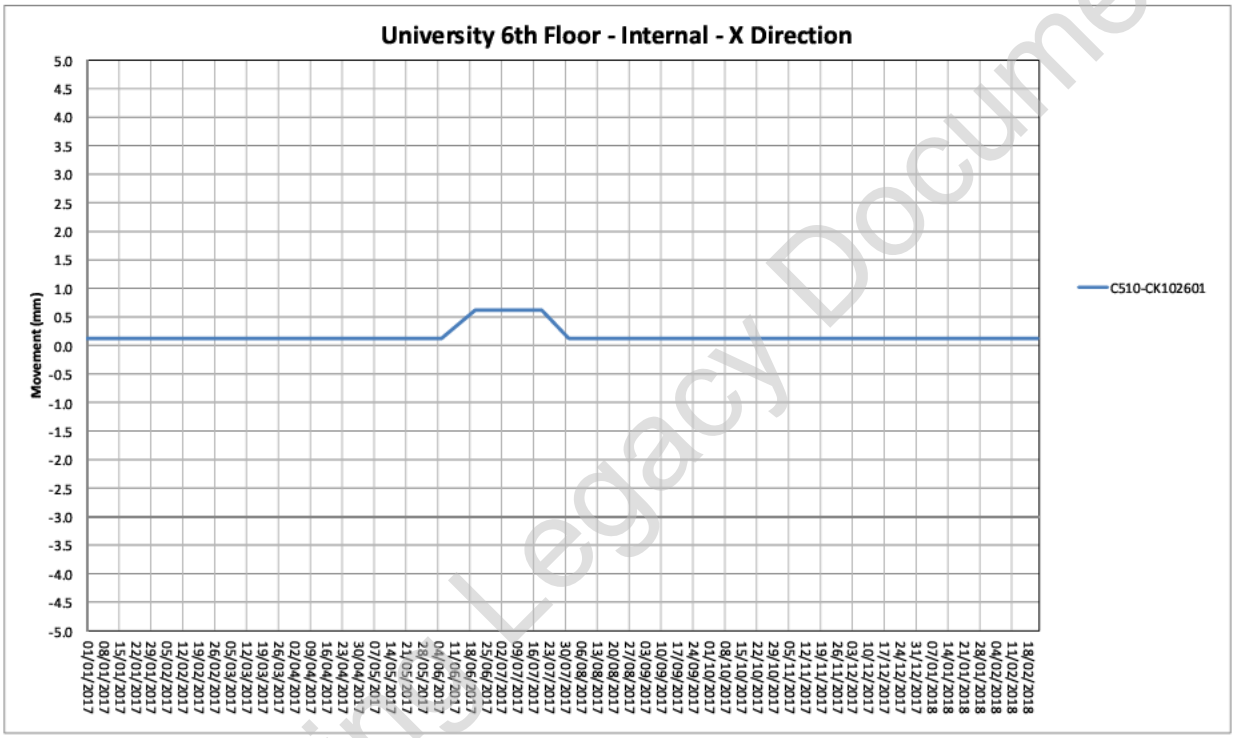


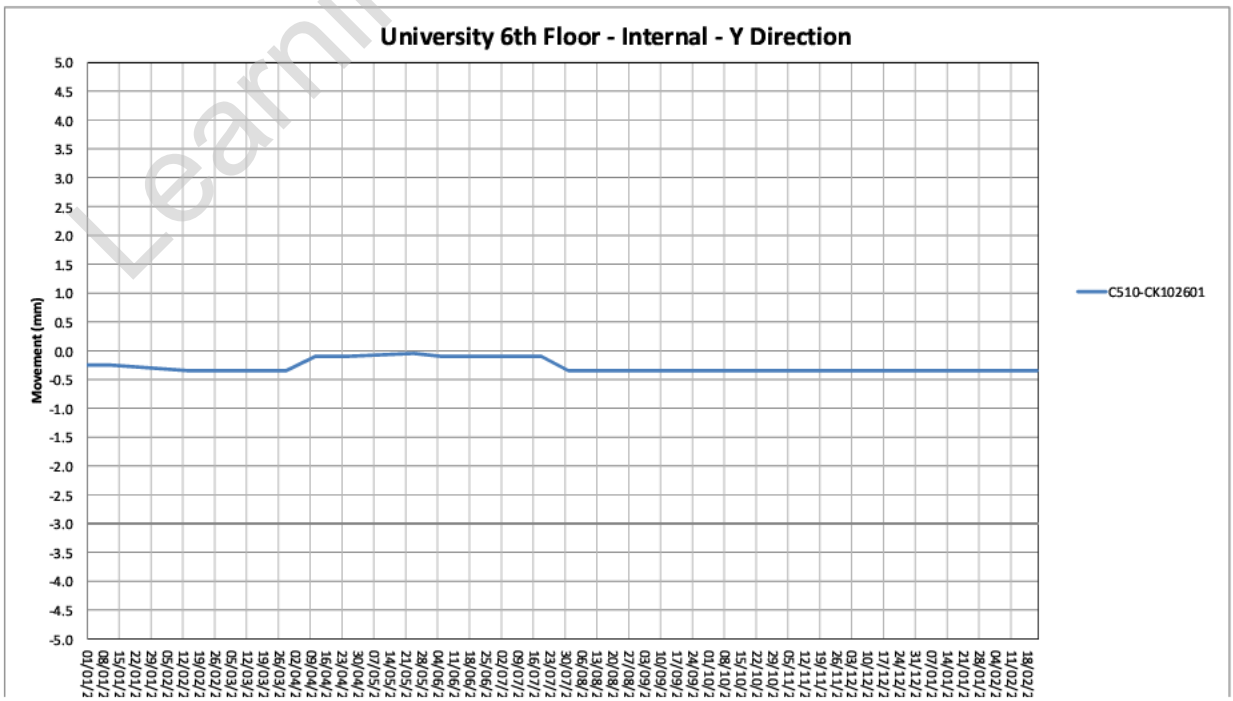


University 6th Floor				
Name	Initial Crack Width (mm)	Baseline Date	Baseline Value	
			X	Y
C510-CK102601	0.55	09/07/2015	-1.1	-0.2

Crackmeter Location Plan 6th Floor







8 Appendix II (Tables, Graphs and Figures of Rev.1)

Table 2 - Block 02 Decommissioning Status Tracker LB & LC

25/09/2017

< 2.0 mm	GREEN	< 3.5 mm	AMBER	> 3.5 mm	RED

AVERAGE SETTLEMENT TREND

C510 Sensor Name	Block	Section	Int / Ext	Measurement Type	Sensor Type	Sensor Description	Asset/Location	EOI Last Primary Layer Construction	Last Construction Date	Latest Surveyed Date	120 day	120 Days	120 Day Calculation Period	180 day	180 Days	180 Day Calculation Period	365 day	365 Days	365 Day Calculation Period	Ceased Date	General Comment	Decommissioning Status
C510-LB10203	Block 102	S10201	External	Manual	LB	BRE	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/09/2017		-2.03	128		-1.42	181		-9.45	366			Outstanding
C510-LB10204	Block 102	S10201	External	Manual	LB	BRE	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/09/2017		-1.98	128		-1.52	181		-7.82	366			Outstanding
C510-LB10205	Block 102	S10201	External	Manual	LB	BRE	Salisbury House	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	21/09/2017		-0.34	128		-0.54	181		-3.28	366			Outstanding
C510-LC10202	Block 102	S10201	External	Manual	LC	Invar Scale	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	29/08/2017		-2.54	123		-4.62	180		-14.11	365			Outstanding
C510-LC10203	Block 102	S10201	External	Manual	LC	Invar Scale	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	29/08/2017		-2.26	123		-4.15	180		-12.60	365			Outstanding
C510-LC10204	Block 102	S10201	External	Manual	LC	Invar Scale	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	29/08/2017		-2.13	123		-3.56	180		-9.37	365			Outstanding
C510-LC10205	Block 102	S10201	External	Manual	LC	Invar Scale	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	29/08/2017		-2.11	123		-2.66	180		-6.56	365			Outstanding
C510-LC10206	Block 102	S10201	External	Manual	LC	Invar Scale	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-8	15/03/2017	29/08/2017		-1.52	123		-1.30	180		-4.68	365			Outstanding
C510-LC10207	Block 102	S10201	External	Manual	LC	Invar Scale	Salisbury House	LIV_CP4_Enlargement_Adv-3	27/09/2014	29/08/2017		-1.48	123		-0.64	180		-3.99	365			Outstanding
C510-LC10209	Block 102	S10202	External	Manual	LC	Invar Scale	Salisbury House	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	12/07/2017		1.24	127		-0.44	184		-3.08	378			Proposed
C510-LC10210	Block 102	S10202	External	Manual	LC	Invar Scale	Salisbury House	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	12/07/2017		2.40	127		0.05	184		-2.33	378		Stable 6 month trend	Proposed
C510-LC10211	Block 102	S10202	External	Manual	LC	Invar Scale	Salisbury House	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	12/07/2017		2.24	127		0.15	184		-1.66	378			Proposed
C510-LC10212	Block 102	S10202;S10203	External	Manual	LC	Invar Scale	Salisbury House	LIV_PTW-East_Enlargement_Adv-4	17/11/2013	12/07/2017		-0.43	169		-1.13	215		-1.21	369			Proposed
C510-LC10213	Block 102	S10202;S10203	External	Manual	LC	Invar Scale	Salisbury House	LIV_PTW-East_Enlargement_Adv-5	17/11/2013	12/07/2017		-3.00	215		-3.00	215		-1.18	369		<2mm per annum specification met	Proposed
C510-LB10206	Block 102	S10201;S10202	External	Manual	LB	BRE	Salisbury House	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	21/09/2017		1.18	128		0.39	181		-1.92	379			Proposed
C510-LB10207	Block 102	S10202	External	Manual	LB	BRE	Salisbury House	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	12/07/2017		2.78	127		0.19	184		-1.83	378			Proposed
C510-LB10208	Block 102	S10202	External	Manual	LB	BRE	Salisbury House	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	12/07/2017		2.71	127		0.19	184		-2.01	378		Stable 6 month trend	Proposed
C510-LB10209	Block 102	S10203	External	Manual	LB	BRE	Salisbury House	LIV_PTW-West_Enlargement_Adv-38	19/09/2013	12/07/2017		1.32	127		-0.06	184		-0.97	378			Proposed
C510-LB10210	Block 102	S10203	External	Manual	LB	BRE	Salisbury House	LIV_PTW-West_Enlargement_Adv-26	15/09/2013	12/07/2017		2.23	127		-0.45	184		-0.64	369			Proposed
C510-LB10211	Block 102	S10203	External	Manual	LB	BRE	Salisbury House	LIV_CP5_Enlargement_Adv-34	13/01/2013	12/07/2017		1.58	145		0.38	249		-0.35	369			Proposed
C510-LB10212	Block 102	S10203;S10204	External	Manual	LB	BRE	Salisbury House	LIV_CP5_Enlargement_Adv-34	13/01/2013	12/07/2017		0.26	145		-0.01	249		0.68	369			Proposed
C510-LB10213	Block 102	S10203;S10204	External	Manual	LB	BRE	Salisbury House	LIV_CP5_Enlargement_Adv-34	13/01/2013	12/07/2017		0.78	145		1.04	249		0.80	369			Proposed
C510-LB10214	Block 102	S10203;S10204	External	Manual	LB	BRE	Salisbury House	LIV_CP5_Enlargement_Adv-34	13/01/2013	12/07/2017		1.74	145		0.81	249		0.39	369			Proposed
C510-LB10215	Block 102	S10204	External	Manual	LB	BRE	Salisbury House	LIV_CP5_Enlargement_Adv-34	13/01/2013	12/07/2017		3.92	145		2.02	249		1.11	369			Proposed
C510-LB10216	Block 102	S10204	External	Manual	LB	BRE	Salisbury House	LIV_CP5_Enlargement_Adv-34	13/01/2013	12/07/2017		2.02	145		0.28	249		-0.28	369			Proposed
C510-LB10217	Block 102	S10204	External	Manual	LB	BRE	Salisbury House	LIV_CP5_Enlargement_Adv-34	13/01/2013	12/07/2017		-5.41	145		-2.38	249		-1.21	369			Proposed
C510-LB10218	Block 102	S10204	External	Manual	LB	BRE	Salisbury House	LIV_CP5_Enlargement_Adv-34	13/01/2013	12/07/2017		-0.08	145		0.64	249		0.07	369			Proposed
C510-LB10219	Block 102	S10204	External	Manual	LB	BRE	Salisbury House	LIV_CP5_Enlargement_Adv-34	13/01/2013	12/07/2017		1.16	145		0.65	249		0.48	369			Proposed
C510-LB10220	Block 102	S10204;S10205	External	Manual	LB	BRE	Salisbury House	LIV_CP5_Enlargement_Adv-34	13/01/2013	12/07/2017		-0.38	145		0.40	249		0.24	369			Proposed
C510-LB10221	Block 102	S10205	External	Manual	LB	BRE	Salisbury House	LIV_CP5_Enlargement_Adv-34	13/01/2013	12/07/2017		-0.24	145		0.97	249		0.76	369		<2mm per annum specification met	Proposed
C510-LB10222	Block 102	S10205	External	Manual	LB	BRE	Salisbury House	LIV_CP5_Enlargement_Adv-34	13/01/2013	12/07/2017		1.28	145		0.56	249		0.61	369			Proposed
C510-LB10223	Block 102	S10205	External	Manual	LB	BRE	Salisbury House	LIV_CP5_Enlargement_Adv-34	13/01/2013	12/07/2017		-6.07	145		-2.08	249		-0.98	369			Proposed
C510-LB10224	Block 102	S10206	External	Manual	LB	BRE	85 London Wall	LIV_CP5_Enlargement_Adv-34	13/01/2013	12/07/2017		4.26	169		0.39	281		-0.23	379			Proposed
C510-LB10225	Block 102	S10206	External	Manual	LB	BRE	85 London Wall	LIV_CP5_Enlargement_Adv-34	13/01/2013	12/07/2017		2.55	169		-0.27	281		-0.66	379			Proposed
C510-LB10226	Block 102	S10206	External	Manual	LB	BRE	85 London Wall	LIV_CP5_Enlargement_Adv-34	13/01/2013	12/07/2017		2.76	169		0.39	281		-0.31	379			Proposed
C510-LB10227	Block 102	S10206	External	Manual	LB	BRE	85 London Wall	LIV_CP5_Enlargement_Adv-34	13/01/2013	12/07/2017		2.53	169		-0.07	281		-0.15	379			Proposed
C510-LB10228	Block 102	S10206	External	Manual	LB	BRE	85 London Wall	LIV_CP5_Enlargement_Adv-34	13/01/2013	12/07/2017		2.36	169		-0.58	281		-0.93	379			Proposed
C510-LB10229	Block 102	S10206	External	Manual	LB	BRE	85 London Wall	LIV_CP5_Enlargement_Adv-34	13/01/2013	12/07/2017		1.52	169		-0.32	281		-0.55	379			Proposed
C510-LB10230	Block 102	S10206	External	Manual	LB	BRE	85 London Wall	LIV_CP5_Enlargement_Adv-34	13/01/2013	12/07/2017		1.95	169		-0.22	281		-0.91	379			Proposed
C510-LB10231	Block 102	S10206	External	Manual	LB	BRE	85 London Wall	LIV_CP5_Enlargement_Adv-34	13/01/2013	12/07/2017		0.49	169		-1.04	281		-1.38	379			Proposed
C510-LB10232	Block 102	S10207	External	Manual	LB	BRE	University	LIV_CP5_Enlargement_Adv-34	13/01/2013	21/09/2017		0.34	128		1.73	181		-1.80	366			Proposed
C510-LB10233	Block 102	S10207	External	Manual	LB	BRE	University	LIV_LCWb_Enlargement_Adv-35	05/03/2014	21/09/2017		0.18	128		0.42	181		-4.18	366		Stable 6 month trend	Proposed
C510-LB10234	Block 102	S10207	External	Manual	LB	BRE	University	LIV_CP1_Enlargement_Adv-13	28/06/2014	21/09/2017		0.73	128		0.14	181		-6.19	366			Proposed
C510-LB10235	Block 102	S10207	External	Manual	LB	BRE	University	LIV_ES3_Elargement_Invert_Downhill_Adv-7	28/02/2017	21/09/2017		0.84	128		0.21	181		-7.92	366			Outstanding
C510-LB10236	Block 102	S10207	External	Manual	LB	BRE	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	29/08/2017		2.40	123		-4.50	180		-17.40	365			Outstanding
C510-LB10237	Block 102	S10207;S10208	External	Manual	LB	BRE	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	21/09/2017		1.36	128		1.94	181		-13.29	366			Outstanding
C510-LB10238	Block 102	S10207;S10208	External	Manual	LB	BRE	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	21/09/2017		-0.84	128		0.51	181		-14.14	366			Outstanding
C510-LB10201	Block 102	S10208	External	Manual	LB	BRE	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/09/2017		-1.38	121		-0.91	181		-18.35	366			Outstanding
C510-LB10202	Block 102	S10208	External	Manual	LB	BRE	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/09/2017		-2.05	128		-1.67	181		-16.53	366			Outstanding
C510-LC10201	Block 102	S10208	External	Manual	LC	Invar Scale	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/09/2017		-1.84	128		-1.66	181		-22.07	366			Outstanding
C510-LB10239	Block 102	S10208	External	Manual	LB	BRE	University			03/09/2016		#N/A			#N/A			#N/A				Outstanding
C510-LB10240	Block 102	S10208	External	Manual	LB	BRE	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/09/2017		-2.17	128		-1.01	181		-21.98	366			Outstanding
C510-LB10275	Block 102	S10201	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	09/09/2017		-0.73	165		-5.37	227		-19.22	374			Outstanding
C510-LB10276	Block 102	S10201	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	09/09/2017		-1.05	165		-5.33	227		-19.72	371			Outstanding
C510-LB10277	Block 102	S10201	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	09/09/2017		-1.33	165		-5.08	227		-19.28	371			Outstanding
C510-LB10278	Block 102	S10201	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	09/09/2017		-1.03	165		-5.05	227		-19.28	371			Outstanding
C510-LB10279	Block 102	S10201	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	09/09/2017		-1.55	165		-3.97	227		-15.16	371			Outstanding
C510-LB10280	Block 102	S10201	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	09/09/2017		-2.03	168		-4.31	227		-16.67	374			Outstanding
C510-LB10281	Block 102	S10201	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	09/09/2017		-0.48	165		-2.77	227		-15.13	371			Outstanding
C510-LB10265	Block 102	S10202	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	09/09/2017		-0.58	165		-1.39	227		-11.56	371			Outstanding
C510-LB10267	Block 102	S10202	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	09/09/2017		-0.55	165		-1.81	227		-11.86	371			Outstanding
C510-LB10269	Block 102	S10202	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	09/09/2017		0.49	165		-2.44	227		-14.25	371			Outstanding
C510-LB10271	Block 102	S10202	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	09/09/2017		-1.94	165		-3.89	227		-16.20	371			Outstanding
C510-LB10274	Block 102	S10202	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	09/09/2017		-2.19	165		-4.41	227		-17.91	371			Outstanding
C510-LB10283	Block 102	S10202	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	09/09/2017		0.73	165		-0.14	227		-10.54	371			Outstanding
C510-LB10285	Block 102	S10202	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	13/08/2015		#N/A			#N/A			#N/A	365		Next store moved back into premises, sensor removed/covered by cladding	Outstanding
C510-LB10263	Block 102	S10203	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	09/09/2017		-1.20	165		-1.87	227		-12.45	371			Outstanding
C510-LB10264	Block 102	S10203	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	09/09/2017		0.19	165		-1.27	227		-12.06	371			Outstanding
C510-LB10266	Block 102	S10203	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	09/09/2017		-0.46	165		-2.23	227		-12.66	371			Outstanding
C510-LB10268	Block 102	S10203	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	09/09/2017		-1.35	165		-2.41	227		-13.69	371			Outstanding
C510-LB10270	Block 102	S10203	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	09/09/2017		-0.36	165		-2.46	227		-14.55	371			Outstanding
C510-LB10272	Block 102	S10203	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	09/09/2017		-1.26	165		-4.12	227		-17.50	371			Outstanding
C510-LB10273	Block 102	S10203	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	09/09/2017		-1.40	165		-4.77	227		-19.32	371			Outstanding
C510-LB10282	Block 102	S10203	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	09/09/2017		-2.20	165		-2.18	227		-11.27	371			Outstanding
C510-LB10284	Block 102	S10203	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	09/09/2017		-0.52	165		-1.62	227		-11.95	371			Outstanding

Table 2 - Block 02 Decommissioning Status Tracker LB & LC

25/09/2017

< 2.0 mm GREEN	< 3.5 mm AMBER	> 3.5 mm RED

AVERAGE SETTLEMENT TREND

C510 Sensor Name	Block	Section	Int / Ext	Measurement Type	Sensor Type	Sensor Description	Asset/Location	EOI Last Primary Layer Construction	Last Construction Date	Latest Surveyed Date	120 day	120 Days	120 Day Calculation Period	180 day	180 Days	180 Day Calculation Period	365 day	365 Days	365 Day Calculation Period	Ceased Date	General Comment	Decommissioning Status
C510-LB10286	Block 102	S10204	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	20/07/2015		#N/A			#N/A			#N/A			Next store moved back into premises, sensor removed/covered by cladding. Stopped July 2015	Proposed
C510-LB10287	Block 102	S10204	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	20/07/2015		#N/A			#N/A			#N/A				Proposed
C510-LB10288	Block 102	S10204	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	20/07/2015		#N/A			#N/A			#N/A				Proposed
C510-LB10289	Block 102	S10204	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	20/07/2015		#N/A			#N/A			#N/A				Proposed
C510-LB10290	Block 102	S10204	Internal	Manual	LB	BRE	Electra House (Next Basement)	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	20/07/2015		#N/A			#N/A			#N/A				Proposed
C510-LB10241	Block 102	S10201	Internal	Manual	LB	BRE	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	29/08/2017		1.78	125		-3.81	181		-15.44	365			Outstanding
C510-LB10242	Block 102	S10201	Internal	Manual	LB	BRE	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	29/08/2017		0.04	125		-3.69	181		-9.49	365			Outstanding
C510-LB10243	Block 102	S10201	Internal	Manual	LB	BRE	Salisbury House	LIV_CP3_Enlargement_Adv-15	06/05/2014	21/09/2017		0.40	121		-1.52	181		-3.78	366		Stable 6 month trend	Proposed
C510-LB10244	Block 102	S10201	Internal	Manual	LB	BRE	Salisbury House	LIV_CP3_Enlargement_Adv-15	06/05/2014	21/09/2017		1.47	121		-0.14	181		-2.00	366			Proposed
C510-LB10245	Block 102	S10201	Internal	Manual	LB	BRE	Salisbury House	LIV_PTW-West_Enlargement_Adv-109	31/01/2014	21/09/2017		4.48	121		0.63	181		-1.66	366		<2mm per annum specification met	Proposed
C510-LB10246	Block 102	S10201	Internal	Manual	LB	BRE	Salisbury House	LIV_PTW-West_Enlargement_Adv-109	31/01/2014	21/09/2017		4.12	121		1.29	181		-1.03	366			Proposed
C510-LB10257	Block 102	S10201	Internal	Manual	LB	BRE	Salisbury House	LIV_PTW-West_Enlargement_Adv-59	12/11/2013	07/02/2014		#N/A			#N/A			#N/A			Air conditioning unit blocking sensor. See Supplementary Evidence.	Proposed
C510-LB10258	Block 102	S10201	Internal	Manual	LB	BRE	Salisbury House	LIV_PTW-West_Enlargement_Adv-92	25/01/2014	21/09/2017		5.16	121		2.50	181		-1.42	366		<2mm per annum specification met	Proposed
C510-LB10259	Block 102	S10201	Internal	Manual	LB	BRE	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/09/2017		0.12	121		-1.46	181		-5.83	366			Outstanding
C510-LB10260	Block 102	S10201	Internal	Manual	LB	BRE	Salisbury House	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	21/09/2017		0.70	121		-0.69	181		-9.77	366			Outstanding
C510-LB10261	Block 102	S10201	Internal	Manual	LB	BRE	Salisbury House	LIV_CP1_Enlargement_Adv-13	28/06/2014	21/09/2017		0.90	121		-1.35	181		-6.43	366		Stable 6 month trend	Proposed
C510-LB10262	Block 102	S10201	Internal	Manual	LB	BRE	Salisbury House	LIV_CP1_Enlargement_Adv-13	28/06/2014	21/09/2017		1.47	121		-0.66	181		-4.26	366			Proposed
C510-LB10293	Block 102	S10202	Internal	Manual	LB	BRE	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/09/2017		0.10	121		-1.69	181		-14.89	366			Outstanding
C510-LB10294	Block 102	S10202	Internal	Manual	LB	BRE	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/09/2017		0.06	121		-1.65	181		-15.75	366			Outstanding
C510-LB10295	Block 102	S10202	Internal	Manual	LB	BRE	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/09/2017		-0.51	121		-1.03	181		-17.16	366			Outstanding
C510-LB10296	Block 102	S10203	Internal	Manual	LB	BRE	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/09/2017		-1.49	121		-2.46	184		-20.71	366			Outstanding
C510-LB10297	Block 102	S10202;S10203	Internal	Manual	LB	BRE	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/09/2017		-0.80	121		-1.52	181		-20.50	366			Outstanding
C510-LB10298	Block 102	S10203	Internal	Manual	LB	BRE	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/09/2017		1.36	121		-0.13	181		-17.87	366			Outstanding
C510-LB10291	Block 102	N/A	Internal	Manual	LB	BRE	Salisbury House (Cycle Vault)	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/09/2017		0.77	121		-0.26	181		-10.14	366		Stable 6 month trend	Proposed
C510-LB10292	Block 102	N/A	Internal	Manual	LB	BRE	Salisbury House (Cycle Vault)	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/09/2017		1.97	121		0.87	181		-8.75	366			Proposed
C510-LB10247	Block 102	S10201	Internal	Manual	LB	BRE	University	LIV_PTW-West_Enlargement_Adv-109	31/01/2014	21/09/2017		0.65	134		1.67	181		-1.75	366		<2mm per annum specification met	Proposed
C510-LB10248	Block 102	S10201	Internal	Manual	LB	BRE	University	LIV_LCWb_Enlargement_Adv-35	05/03/2014	15/09/2014		#N/A			#N/A			#N/A			Blocked by scoffolding pole. See supplementary evidence.	Proposed
C510-LB10249	Block 102	S10201	Internal	Manual	LB	BRE	University	LIV_CP1_Enlargement_Adv-13	28/06/2014	21/09/2017		1.81	134		1.51	181		-5.11	366		Stable 6 month trend	Proposed
C510-LB10250	Block 102	S10201	Internal	Manual	LB	BRE	University	LIV_ES3_Elargement_Invert_Downhill_Adv-7	28/02/2017	21/09/2017		0.03	134		0.41	181		-7.86	366			Outstanding
C510-LB10251	Block 102	S10201	Internal	Manual	LB	BRE	University	LIV_CP1_Enlargement_Adv-13	28/06/2014	21/09/2017		-0.69	134		0.09	181		-5.75	366		Stable 6 month trend	Proposed
C510-LB10252	Block 102	S10202	Internal	Manual	LB	BRE	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	21/09/2017		0.01	134		1.26	181		-8.40	366			Outstanding
C510-LB10253	Block 102	S10202	Internal	Manual	LB	BRE	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	21/09/2017		0.92	134		1.36	181		-14.47	366			Outstanding
C510-LB10254	Block 102	S10202	Internal	Manual	LB	BRE	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/09/2017		1.19	134		2.07	181		-17.87	366			Outstanding
C510-LB10255	Block 102	S10202	Internal	Manual	LB	BRE	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/09/2017		-0.96	134		0.42	181		-20.43	366			Outstanding
C510-LB10256	Block 102	S10202	Internal	Manual	LB	BRE	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/09/2017		-0.77	134		-0.77	181		-20.43	366			Outstanding
C510-LB10299	Block 102	S10203	Internal	Manual	LB	BRE	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/07/2017		1.67	120		-12.77	181		-19.18	372			Outstanding
C510-LB102100	Block 102	S10203	Internal	Manual	LB	BRE	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/07/2017		1.36	120		-14.63	181		-20.95	372			Outstanding
C510-LB102101	Block 102	S10203	Internal	Manual	LB	BRE	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/07/2017		1.75	120		-15.10	181		-20.79	372			Outstanding

Table 2 - Block 02 Decommissioning Status Tracker LP

25/09/2017

< 2.0 mm GREEN | < 3.5 mm AMBER | > 3.5 mm RED

AVERAGE SETTLEMENT TREND

C510 Sensor Name	Block	Section	Int / Ext	Measurement Type	Sensor Type	Sensor Description	Asset/Location	EOI Last Primary Layer Construction	Last Construction Date	Latest Surveyed Date	120 days	120 Days	120 Day Calculation Period	180 days	180 Days	180 Day Calculation Period	360 days	365 Days	365 Day Calculation Period	Ceased Date	General Comment	Decommissioning Status
C510-LP10201 to LP10256	Block 102	N/A	N/A	Manual	LP	Road Stud						#N/A			#N/A			#N/A			Replaced with 122 series	Proposed
C510-LP12201	Block 102	S10201	External	Manual	LP	Road Stud	Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/09/2017		-0.79	125		2.49	181		-10.03	366			Outstanding
C510-LP12202	Block 102	S10201	External	Manual	LP	Road Stud	Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/09/2017		-1.73	125		-0.24	181		-10.32	366			Outstanding
C510-LP12203	Block 102	S10201	External	Manual	LP	Road Stud	Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/09/2017		-2.21	125		-1.19	181		-10.15	366			Outstanding
C510-LP12204	Block 102	S10201	External	Manual	LP	Road Stud	Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/09/2017		-1.12	125		0.08	181		-9.22	366			Outstanding
C510-LP12205	Block 102	S10201	External	Manual	LP	Road Stud	Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/09/2017		-2.07	125		-0.07	181		-8.03	366			Outstanding
C510-LP12206	Block 102	S10201	External	Manual	LP	Road Stud	Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/09/2017		-2.20	125		0.05	181		-7.00	366			Outstanding
C510-LP12207	Block 102	S10201	External	Manual	LP	Road Stud	Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-8	15/03/2017	18/09/2017		-1.62	125		-0.04	181		-6.11	366			Outstanding
C510-LP12208	Block 102	S10201	External	Manual	LP	Road Stud	Finsbury Circus	LIV_CP4_Enlargement_Adv-6	02/10/2014	18/09/2017		-1.37	125		-0.41	181		-5.63	366			Outstanding
C510-LP12209	Block 102	S10201;S10202	External	Manual	LP	Road Stud	Finsbury Circus	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	18/09/2017		-1.32	125		-0.28	181		-4.91	368			Proposed
C510-LP12210A	Block 102	S10201;S10202	External	Manual	LP	Road Stud	Finsbury Circus	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	18/09/2017		-0.84	125		0.32	181		-3.96	376			Proposed
C510-LP12210B	Block 102	S10201;S10202	External	Manual	LP	Road Stud	Finsbury Circus	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	15/08/2017		0.34	132		0.49	188		-4.74	370			Proposed
C510-LP12211	Block 102	S10102	External	Manual	LP	Road Stud	Finsbury Circus	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	18/09/2017		-0.95	125		0.61	181		-3.06	376			Proposed
C510-LP12212	Block 102	S10102	External	Manual	LP	Road Stud	Finsbury Circus	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	18/09/2017		-0.36	125		1.46	181		-4.20	376			Proposed
C510-LP12213	Block 102	S10102	External	Manual	LP	Road Stud	Finsbury Circus	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	18/09/2017		0.11	125		1.66	181		-4.64	376			Proposed
C510-LP12214	Block 102	S10102	External	Manual	LP	Road Stud	Finsbury Circus	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	18/09/2017		-0.83	125		1.46	181		-1.84	376		Stable 6 month trend	Proposed
C510-LP12215	Block 102	S10102	External	Manual	LP	Road Stud	Finsbury Circus	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	18/09/2017		-0.71	125		0.89	181		-2.34	376			Proposed
C510-LP12216	Block 102	S10102	External	Manual	LP	Road Stud	Finsbury Circus	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	18/09/2017		-0.96	125		-0.20	181		-3.82	376			Proposed
C510-LP12217	Block 102	S10102	External	Manual	LP	Road Stud	Finsbury Circus	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	16/06/2017		0.21	128		-1.56	184		-3.56	366			Proposed
C510-LP12218A	Block 102	S10202	External	Manual	LP	Road Stud	Circus Place	LIV_PTW-East_Enlargement_Adv-13	24/11/2013	15/08/2017		-1.42	132		-0.44	188		-3.80	370			Proposed
C510-LP12219	Block 102	S10203;S105XS2	External	Manual	LP	Road Stud	Circus Place	LIV_PTW-East_Enlargement_Adv-10	23/11/2013	21/09/2017		0.01	197		0.01	197		-1.67	379			Proposed
C510-LP12220	Block 102	S10203;S105XS2	External	Manual	LP	Road Stud	Circus Place	LIV_PTW-East_Enlargement_Adv-4	17/11/2013	21/09/2017		0.76	197		0.76	197		-2.07	379			Proposed
C510-LP12221	Block 102	S10203;S105XS2	External	Manual	LP	Road Stud	Circus Place	LIV_PTW-West_Enlargement_Adv-29	16/09/2013	21/09/2017		0.93	197		0.93	197		-0.77	379		<2mm per annum specification met	Proposed
C510-LP12222	Block 102	S10203;S105XS2	External	Manual	LP	Road Stud	Circus Place	LIV_CP5_Enlargement_Adv-34	13/01/2013	21/09/2017		0.21	197		0.21	197		-1.31	379			Proposed
C510-LP12223	Block 102	S10203;S105XS2	External	Manual	LP	Road Stud	Circus Place	LIV_CP5_Enlargement_Adv-34	13/01/2013	21/09/2017		-0.73	197		-0.73	197		-1.13	379			Proposed
C510-LP12224	Block 102	S10203;S105XS2	External	Manual	LP	Road Stud	Circus Place	LIV_CP5_Enlargement_Adv-34	13/01/2013	21/09/2017		-0.74	197		-0.74	197		-1.38	379		Stable 6 month trend	Proposed
C510-LP12225	Block 102	S10203;S10204;S105XS2	External	Manual	LP	Road Stud	London Wall	LIV_CP5_Enlargement_Adv-34	13/01/2013	21/09/2017		-1.62	197		-1.62	197		-2.61	379			Proposed
C510-LP12226	Block 102	S10204	External	Manual	LP	Road Stud	London Wall	LIV_CP5_Enlargement_Adv-34	13/01/2013	21/09/2017		0.79	197		0.79	197		-1.75	379			Proposed
C510-LP12227	Block 102	S10204	External	Manual	LP	Road Stud	London Wall	LIV_CP5_Enlargement_Adv-34	13/01/2013	21/09/2017		0.60	193		0.60	193		-0.42	377			Proposed
C510-LP12228	Block 102	S10204	External	Manual	LP	Road Stud	London Wall	LIV_CP5_Enlargement_Adv-34	13/01/2013	21/09/2017		-1.13	193		-1.13	193		-1.67	377			Proposed
C510-LP12229	Block 102	S10204	External	Manual	LP	Road Stud	London Wall	LIV_CP5_Enlargement_Adv-34	13/01/2013	21/09/2017		1.82	193		1.82	193		-0.52	377		<2mm per annum specification met	Proposed
C510-LP12230	Block 102	S10204	External	Manual	LP	Road Stud	London Wall	LIV_CP5_Enlargement_Adv-34	13/01/2013	21/09/2017		1.19	193		1.19	193		-0.56	377			Proposed
C510-LP12231	Block 102	S10204	External	Manual	LP	Road Stud	London Wall	LIV_CP5_Enlargement_Adv-34	13/01/2013	21/09/2017		0.63	193		0.63	193		-1.73	377		<2mm per annum specification met. Continue to monitor until LP12233/34 meet trend requirements	Outstanding
C510-LP12232	Block 102	S10204	External	Manual	LP	Road Stud	London Wall	LIV_CP5_Enlargement_Adv-34	13/01/2013	21/09/2017		0.04	193		0.04	193		-1.45	377			Outstanding
C510-LP12233	Block 102	S10204	External	Manual	LP	Road Stud	London Wall	LIV_CP5_Enlargement_Adv-34	13/01/2013	21/09/2017		-4.61	193		-4.61	193		-3.84	475			Outstanding
C510-LP12234	Block 102	S10204	External	Manual	LP	Road Stud	London Wall	LIV_CP5_Enlargement_Adv-34	13/01/2013	21/09/2017		-4.75	193		-4.75	193		-3.38	377			Outstanding
C510-LP12235	Block 102	S10204;S10205	External	Manual	LP	Road Stud	London Wall	LIV_CP5_Enlargement_Adv-34	13/01/2013	21/09/2017		-0.55	193		-0.55	193		-0.97	377		<2mm per annum specification met. Continue to monitor until LP12233/34 meet trend requirements	Outstanding
C510-LP12236	Block 102	S10204;S10205	External	Manual	LP	Road Stud	London Wall	LIV_CP5_Enlargement_Adv-34	13/01/2013	21/09/2017		0.02	193		0.02	193		-0.67	377			Outstanding
C510-LP12237	Block 102	S10205	External	Manual	LP	Road Stud	London Wall	LIV_CP5_Enlargement_Adv-34	13/01/2013	21/09/2017		0.03	193		0.03	193		-0.79	377			Proposed
C510-LP12238	Block 102	S10205	External	Manual	LP	Road Stud	London Wall	LIV_CP5_Enlargement_Adv-34	13/01/2013	21/09/2017		0.23	193		0.23	193		-1.04	377			Proposed
C510-LP12239	Block 102	S10205	External	Manual	LP	Road Stud	London Wall	LIV_LCWb_Enlargement_Adv-29	04/03/2014	21/09/2017		-0.73	193		-0.73	193		-1.13	377			Proposed
C510-LP12240	Block 102	S10205	External	Manual	LP	Road Stud	London Wall	LIV_LCWb_Enlargement_Adv-29	04/03/2014	21/09/2017		-0.55	193		-0.55	193		-1.30	377			Proposed
C510-LP12241	Block 102	S10205	External	Manual	LP	Road Stud	London Wall	LIV_LCWb_Enlargement_Adv-29	04/03/2014	21/09/2017		1.25	193		1.25	193		-0.92	377			Proposed
C510-LP12242	Block 102	S10205	External	Manual	LP	Road Stud	London Wall	LIV_LCWb_Enlargement_Adv-29	04/03/2014	21/09/2017		1.32	193		1.32	193		0.33	377			Proposed
C510-LP12243	Block 102	S10205	External	Manual	LP	Road Stud	London Wall	LIV_LCWb_Enlargement_Adv-29	04/03/2014	21/09/2017		1.00	193		1.00	193		0.01	377			Proposed
C510-LP12244	Block 102	S10205	External	Manual	LP	Road Stud	London Wall	LIV_LCWb_Enlargement_Adv-29	04/03/2014	21/09/2017		1.18	193		1.18	193		-1.17	377		<2mm per annum specification met	Proposed
C510-LP12245	Block 102	S10205	External	Manual	LP	Road Stud	London Wall	LIV_LCWb_Enlargement_Adv-29	04/03/2014	21/09/2017		1.37	193		1.37	193		-0.65	377			Proposed
C510-LP12246	Block 102	S10205;S10206	External	Manual	LP	Road Stud	Moorgate	LIV_LCWb_Enlargement_Adv-29	04/03/2014	21/09/2017		1.74	193		1.74	193		-0.67	377			Proposed
C510-LP12247	Block 102	S10206	External	Manual	LP	Road Stud	Moorgate	LIV_LCWb_Enlargement_Adv-29	04/03/2014	21/09/2017		0.65	193		0.65	193		-1.30	377			Proposed
C510-LP12248	Block 102	S10206	External	Manual	LP	Road Stud	Moorgate	LIV_LCWb_Enlargement_Adv-29	04/03/2014	21/09/2017		1.20	193		1.20	193		-0.94	377			Proposed
C510-LP12249	Block 102	S10206	External	Manual	LP	Road Stud	Moorgate	LIV_LCWb_Enlargement_Adv-29	04/03/2014	21/09/2017		1.75	193		1.75	193		-1.24	377			Proposed
C510-LP12250	Block 102	S10206	External	Manual	LP	Road Stud	Moorgate	LIV_LCWb_Enlargement_Adv-29	04/03/2014	21/09/2017		1.52	193		1.52	193		-1.38	377			Proposed
C510-LP12251	Block 102	S10206	External	Manual	LP	Road Stud	Moorgate	LIV_LCWb_Enlargement_Adv-29	04/03/2014	21/09/2017		1.35	193		1.35	193		-1.55	377			Proposed
C510-LP12252	Block 102	S10206	External	Manual	LP	Road Stud	Moorgate	LIV_LCWb_Enlargement_Adv-29	04/03/2014	21/09/2017		1.64	178		0.98	197		-2.25	377			Proposed
C510-LP12253	Block 102	S10206	External	Manual	LP	Road Stud	Moorgate	LIV_LCWb_Enlargement_Adv-36	05/03/2014	21/09/2017		0.61	178		0.04	197		-3.23	366		Stable 6 month trend	Proposed
C510-LP12254	Block 102	S10206;S10207	External	Manual	LP	Road Stud	Moorgate	LIV_LCWb_Enlargement_Adv-36	05/03/2014	18/09/2017		-0.11	125		0.34	181		-4.72	366			Proposed
C510-LP12255	Block 102	S10206;S10207	External	Manual	LP	Road Stud	Moorgate	LIV_CP1_Enlargement_Adv-13	28/06/2014	18/09/2017		0.48	125		0.47	181		-5.91	366			Outstanding
C510-LP12256	Block 102	S10207	External	Manual	LP	Road Stud	Moorgate	LIV_CH6/ES3_Elargement_Invert_Downhill_Adv-1	11/12/2016	18/09/2017		-0.11	125		0.33	181		-7.20	366			Outstanding
C510-LP12257	Block 102	S10207	External	Manual	LP	Road Stud	Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-7	28/02/2017	18/09/2017		0.36	125		0.20	181		-8.66	366			Outstanding
C510-LP12258	Block 102	S10207	External	Manual	LP	Road Stud	Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-7	28/02/2017	18/09/2017		0.95	125		0.67	181		-9.82	366			Outstanding
C510-LP12259	Block 102	S10207	External	Manual	LP	Road Stud	Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-7	28/02/2017	18/09/2017		1.06	125		0.89	181		-11.09	366			Outstanding
C510-LP12260	Block 102	S10207	External	Manual	LP	Road Stud	Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/09/2017		1.06	125		1.08	181		-12.07	366			Outstanding
C510-LP12261	Block 102	S10207	External	Manual	LP	Road Stud	Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/09/2017		0.58	125		0.83	181		-12.42	366			Outstanding
C510-LP12262	Block 102	S10207	External	Manual	LP	Road Stud	Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/09/2017		0.83	125		1.68	181		-12.56	366			Outstanding
C510-LP12263	Block 102	S10207	External	Manual	LP	Road Stud	Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-7	28/02/2017	18/09/2017		1.29	125		3.14	181		-11.36	366			Outstanding
C510-LP12264-REL	Block 102	S10208	External	Manual	LP	Road Stud	West Place	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/09/2017		-1.65	125		-1.01	181		-22.20	366			Outstanding
C510-LP12265-REL	Block 102	S10208	External	Manual	LP	Road Stud	West Place	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/09/2017		-0.71	125		-0.19	181		-19.69	366			Outstanding
C510-LP12266-REL	Block 102	S10208	External	Manual	LP	Road Stud	West Place	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/09/2017		-1.54	125		-1.59	181		-16.32	366			Outstanding
C510-LP12267-REL	Block 102	S10208	External	Manual	LP	Road Stud	West Place	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/09/2017		-1.54	125		-1.09	181		-14.82	366			Outstanding
C510-LP12268-REL	Block 102	S10208	External	Manual	LP	Road Stud	West Place	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/09/2017		-1.19	125		-0.43	181		-13.71	366			Outstanding
C510-LP12269-REL	Block 102	S10208	External	Manual	LP	Road Stud	West Place	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/09/2017		-1.43	125		-0.82	181		-12.00	366			Outstanding
C510-LP12270-REL	Block 102	S10208	External	Manual	LP	Road Stud	West Place	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/09/2017		-1.67	125		-0.72	181		-11.95	366			Outstanding
C510-LP12271-REL	Block 102	S10208	External	Manual	LP	Road Stud	West Place	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/09/2017		-3.54	125		-3.20	181		-11.64	366			Outstanding
C510-LP12272-REL	Block 102	S10208	External	Manual	LP	Road Stud	West Place	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/09/2017		-2.95	125		-2.67	181		-10.11	366			Outstanding

Sensors labelled relative due to being installed after construction commenced. Settlement values are therefore not absolute movement since beginning of project.

Table 2 - Block 02 Decommissioning Status Tracker LP

25/09/2017

< 2.0 mm GREEN | < 3.5 mm AMBER | > 3.5 mm RED

AVERAGE SETTLEMENT TREND

C510 Sensor Name	Block	Section	Int / Ext	Measurement Type	Sensor Type	Sensor Description	Asset/Location	EOI Last Primary Layer Construction	Last Construction Date	Latest Surveyed Date	120 days	120 Days	120 Day Calculation Period	180 days	180 Days	180 Day Calculation Period	180 days	365 Days	365 Day Calculation Period	Ceased Date	General Comment	Decommissioning Status
C510-LP12273	Block 102	S12204	Internal	Manual	LP	Road Stud	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/09/2017		-1.50	134		-0.04	181		-18.17	366			Outstanding
C510-LP12274	Block 102	S12204	Internal	Manual	LP	Road Stud	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/09/2017		-1.91	134		-0.26	181		-19.27	366			Outstanding
C510-LP12275	Block 102	S12204	Internal	Manual	LP	Road Stud	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/09/2017		-2.61	134		-0.84	181		-20.05	366			Outstanding
C510-LP12276	Block 102	S12204	Internal	Manual	LP	Road Stud	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/09/2017		-2.97	134		-1.06	181		-18.43	366			Outstanding
C510-LP12281	Block 102	S12204	Internal	Manual	LP	Road Stud	Dentist Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/09/2017		-3.61	121		-2.11	181		-20.38	366		Installed additionally to understand effect of grouting on floor.	Outstanding
C510-LP12282	Block 102	S12204	Internal	Manual	LP	Road Stud	Dentist Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/09/2017		-2.81	121		-2.61	181		-22.13	366			Outstanding
C510-LP12283	Block 102	S12204	Internal	Manual	LP	Road Stud	Dentist Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/09/2017		-5.85	121		-4.21	181		-22.96	366			Outstanding
C510-LP12284	Block 102	S12204	Internal	Manual	LP	Road Stud	Dentist Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/09/2017		-1.70	121		-2.02	184		-21.08	366			Outstanding
C510-LP12285	Block 102	S12204	Internal	Manual	LP	Road Stud	Dentist Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/09/2017		-2.46	121		-1.82	181		-21.42	366			Outstanding
C510-LP12286	Block 102	S12204	Internal	Manual	LP	Road Stud	Dentist Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/09/2017		-1.22	121		-0.89	181		-21.75	366			Outstanding
C510-LP12287	Block 102	S12204	Internal	Manual	LP	Road Stud	Dentist Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/09/2017		-0.84	121		-1.30	181		-19.54	366			Outstanding

Table 2 - Block 02 Decommissioning Status Tracker RP

09/08/2017

< 2.0 mm GREEN | < 3.5 mm AMBER | > 3.5 mm RED

AVERAGE SETTLEMENT TREND

C510 Sensor Name	Block	Section	Int / Ext	Measurement Type	Sensor Type	Sensor Description	Asset/Location	EOI Last Primary Layer Construction	Last Construction Date	Latest Surveyed Date	120 day	120 Days	120 Day Calculation Period	180 day	180 Days	180 Day Calculation Period	480 day	365 Days	365 Day Calculation Period	Ceased Date	General Comment	Decommissioning Status
C510-RP10201	Block 102	1	External	Automated	RP	3D Geodetic prism	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	02/07/2015		-3.63	121		-10.26	181		-6.66	366		6 months automated post construction monitoring specification complete. Grouting facilities decommissioned; therefore, no longer required. Manual monitoring to continue.	Proposed
C510-RP10202	Block 102	1	External	Automated	RP	3D Geodetic prism	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	31/07/2017		1.64	121		-8.48	181		-20.15	366			Proposed
C510-RP10203	Block 102	1	External	Automated	RP	3D Geodetic prism	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	31/07/2017		1.92	121		-7.01	181		-18.66	366			Proposed
C510-RP10204	Block 102	1	External	Automated	RP	3D Geodetic prism	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	31/07/2017		1.70	121		-6.49	181		-16.93	366			Proposed
C510-RP10205	Block 102	1	External	Automated	RP	3D Geodetic prism	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	31/07/2017		3.92	121		-4.16	181		-16.47	366			Proposed
C510-RP10206	Block 102	1	External	Automated	RP	3D Geodetic prism	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	28/10/2013		#N/A			#N/A			#N/A				Proposed
C510-RP10207	Block 102	1	External	Automated	RP	3D Geodetic prism	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	02/11/2013		#N/A			#N/A			#N/A				Proposed
C510-RP10208	Block 102	1	External	Automated	RP	3D Geodetic prism	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	31/07/2017		4.72	121		-2.18	181		-13.41	366			Proposed
C510-RP10209	Block 102	2	External	Automated	RP	3D Geodetic prism	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	31/07/2017		1.91	121		-4.21	181		-13.92	366			Proposed
C510-RP10210	Block 102	2	External	Automated	RP	3D Geodetic prism	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	31/07/2017		4.67	121		-1.63	181		-13.60	366			Proposed
C510-RP10211	Block 102	2	External	Automated	RP	3D Geodetic prism	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	31/07/2017		4.10	121		-2.13	181		-12.74	366			Proposed
C510-RP10212	Block 102	2	External	Automated	RP	3D Geodetic prism	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	31/07/2017		3.00	121		-3.09	181		-12.78	366			Proposed
C510-RP10213	Block 102	2	External	Automated	RP	3D Geodetic prism	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	31/07/2017		4.92	121		-1.16	181		-12.58	366			Proposed
C510-RP10214	Block 102	2	External	Automated	RP	3D Geodetic prism	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	31/07/2017		2.83	121		-3.00	181		-12.23	366			Proposed
C510-RP10215	Block 102	2	External	Automated	RP	3D Geodetic prism	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	31/07/2017		1.71	121		-4.00	181		-11.39	366			Proposed
C510-RP10216	Block 102	2	External	Automated	RP	3D Geodetic prism	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	31/07/2017		3.59	121		-2.03	181		-11.29	366			Proposed
C510-RP10217	Block 102	2	External	Automated	RP	3D Geodetic prism	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-7	28/02/2017	31/07/2017		1.87	121		-3.56	181		-9.61	366			Proposed
C510-RP10218	Block 102	2	External	Automated	RP	3D Geodetic prism	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-7	28/02/2017	03/07/2015		#N/A			#N/A			#N/A				Proposed
C510-RP10219	Block 102	2	External	Automated	RP	3D Geodetic prism	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-7	28/02/2017	31/07/2017		3.85	121		-1.64	181		-8.80	366			Proposed
C510-RP10220	Block 102	2	External	Automated	RP	3D Geodetic prism	Electra House, 76-92 Moorgate	LIV_CP1_Enlargement_Adv-13	28/06/2014	03/07/2015		#N/A			#N/A			#N/A				Proposed
C510-RP10221	Block 102	2	External	Automated	RP	3D Geodetic prism	Electra House, 76-92 Moorgate	LIV_CP1_Enlargement_Adv-13	28/06/2014	31/07/2017		3.69	121		0.48	184		-6.12	366			Proposed
C510-RP10222	Block 102	2	External	Automated	RP	3D Geodetic prism	Electra House, 76-92 Moorgate	LIV_CP1_Enlargement_Adv-13	28/06/2014	31/07/2017		2.39	121		-1.95	181		-6.08	366			Proposed
C510-RP10223	Block 102	2	External	Automated	RP	3D Geodetic prism	Electra House, 76-92 Moorgate	LIV_LCWb_Enlargement_Adv-35	05/03/2014	31/07/2017		2.20	121		-1.46	181		-4.98	366			Proposed
C510-RP10224	Block 102	2	External	Automated	RP	3D Geodetic prism	Electra House, 76-92 Moorgate	LIV_LCWb_Enlargement_Adv-35	05/03/2014	31/07/2017		4.01	121		0.43	181		-4.88	366			Proposed
C510-RP10225	Block 102	2	External	Automated	RP	3D Geodetic prism	Electra House, 76-92 Moorgate	LIV_LCWb_Enlargement_Adv-26	03/03/2014	31/07/2017		2.91	121		-0.49	181		-4.29	366			Proposed
C510-RP10226	Block 102	2	External	Automated	RP	3D Geodetic prism	Electra House, 76-92 Moorgate	LIV_LCWb_Enlargement_Adv-26	03/03/2014	31/07/2017		3.30	121		0.02	181		-2.86	366			Proposed
C510-RP10227	Block 102	2	External	Automated	RP	3D Geodetic prism	Electra House, 76-92 Moorgate	LIV_LCWb_Enlargement_Adv-26	03/03/2014	31/07/2017		3.73	121		0.66	181		-2.80	366			Proposed
C510-RP10228	Block 102	2	External	Automated	RP	3D Geodetic prism	Electra House, 76-92 Moorgate	LIV_LCWb_Enlargement_Adv-26	03/03/2014	31/07/2017		4.61	121		2.21	184		-2.93	366			Proposed
C510-RP10229	Block 102	3	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_CP5_Enlargement_Adv-34	13/01/2013	31/07/2017		3.65	121		2.65	181		0.76	366			Proposed
C510-RP10230	Block 102	3	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_CP5_Enlargement_Adv-34	13/01/2013	31/07/2017		5.13	121		4.16	181		0.82	366			Proposed
C510-RP10231	Block 102	3	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_PTW-West_Enlargement_Adv-43	21/09/2013	31/07/2017		4.18	121		2.98	181		0.34	366			Proposed
C510-RP10232	Block 102	3	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_PTW-West_Enlargement_Adv-43	21/09/2013	31/07/2017		5.28	121		4.28	181		0.54	366			Proposed
C510-RP10233	Block 102	3	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_PTW-West_Enlargement_Adv-52	24/09/2013	31/07/2017		4.58	121		3.37	181		0.33	366			Proposed
C510-RP10234	Block 102	3	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_PTW-West_Enlargement_Adv-52	24/09/2013	31/07/2017		5.39	121		4.57	181		0.48	366			Proposed
C510-RP10235	Block 102	4	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_PTW-East_Enlargement_Adv-4	17/11/2013	31/07/2017		4.81	121		3.35	181		-0.05	366			Proposed
C510-RP10236	Block 102	4	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_PTW-East_Enlargement_Adv-4	17/11/2013	31/07/2017		5.80	121		4.81	181		0.18	366			Proposed
C510-RP10238	Block 102	4	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	15/04/2017		-4.81	179		-4.38	184		-2.91	366			Proposed
C510-RP10239	Block 102	4	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	31/07/2017		9.66	121		7.56	181		-0.11	366			Proposed
C510-RP10240	Block 102	4	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	05/05/2016		-1.89	155		-4.44	292		-7.05	366			Proposed
C510-RP10241	Block 102	4	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	31/07/2017		12.34	121		9.23	181		-0.30	366			Proposed
C510-RP10242	Block 102	4	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	31/07/2017		11.64	121		8.32	181		-0.49	366			Proposed
C510-RP10243	Block 102	4	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	31/07/2017		12.69	121		9.89	181		-0.62	366			Proposed
C510-RP10244	Block 102	4	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	31/07/2017		13.64	121		10.21	181		-1.01	366			Proposed
C510-RP10245A	Block 102	4	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_CP4_Enlargement_Adv-3	27/09/2014	31/07/2017		-4.43	121		-5.15	182		-3.44	366			Proposed
C510-RP10246	Block 102	5	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_CP4_Enlargement_Adv-3	27/09/2014	31/07/2017		13.79	121		9.55	181		-1.53	366			Proposed
C510-RP10247	Block 102	5	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-8	15/03/2017	13/06/2017		-1.46	309		-1.46	309		-2.00	368			Proposed
C510-RP10248	Block 102	5	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	31/07/2017		12.13	121		7.27	182		-2.85	366			Proposed
C510-RP10249	Block 102	5	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	31/07/2017		13.32	121		8.44	182		-3.23	366			Proposed
C510-RP10250	Block 102	5	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	31/07/2017		-4.10	121		-6.26	181		-5.79	366			Proposed
C510-RP10251	Block 102	5	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	31/07/2017		-4.41	121		-7.76	181		-7.41	366			Proposed
C510-RP10252	Block 102	5	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	31/07/2017		-3.41	121		-6.66	181		-7.48	366			Proposed
C510-RP10252A	Block 102	5	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	31/07/2017		-4.16	122		-7.10	182		-7.21	366			Proposed
C510-RP10253	Block 102	5	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	31/07/2017		-4.30	121		-8.33	181		-8.47	366			Proposed
C510-RP10254	Block 102	5	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	25/03/2017		-16.00	129		-10.87	181		-11.23	366			Proposed
C510-RP10255	Block 102	5	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	31/07/2017		-3.88	121		-8.81	181		-9.90	366			Proposed
C510-RP10255A	Block 102	5	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	31/07/2017		-5.20	121		-9.16	181		-10.24	366			Proposed
C510-RP10256	Block 102	5	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	31/07/2017		-4.79	121		-10.98	181		-11.69	366			Proposed
C510-RP10257	Block 102	5	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	31/07/2017		-3.57	121		-9.41	181		-11.27	366			Proposed
C510-RP10257A	Block 102	5	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	31/07/2017		-4.66	121		-9.44	184		-11.55	366			Proposed
C510-RP10258	Block 102	5	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	25/03/2017		-15.69	128		-9.32	181		-12.96	366			Proposed
C510-RP10259	Block 102	5	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	31/07/2017		-3.49	121		-10.13	181		-13.01	366			Proposed
C510-RP10260	Block 102	5	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	19/06/2016		-3.53	121		-7.23	181		-9.82	366			Proposed
C510-RP10261	Block 102	5	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	31/07/2017		-4.37	121		-11.84	181		-15.06	366			Proposed
C510-RP10262	Block 102	5	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	23/10/2016		-19.69	121		-19.42	181		-10.85	366			Proposed
C510-RP10263	Block 102	5	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	31/07/2017		-3.07	121		-10.70	181		-16.02	366			Proposed
C510-RP10264	Block 102	5	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/07/2016		-9.98	123		-9.25	181		-8.53	366			Proposed
C510-RP10265	Block 102	5	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	31/07/2017		-3.38	121		-10.90	181		-17.70	366			Proposed
C510-RP10266	Block 102	5	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	31/07/2017		-2.38	121		-9.07	181		-19.28	366			Proposed
C510-RP10267	Block 102	5	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	31/07/2017		-5.70	121		-12.39	182		-20.58	366			Proposed
C510-RP10268	Block 102	N/A	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	31/07/2017		-4.63	121		-11.49	181		-13.14	366			Proposed
C510-RP10269	Block 102	N/A	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	31/07/2017		-3.96	121		-10.22	181		-12.42	366			Proposed
C510-RP10269A	Block 102	N/A	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	31/07/2017		-5.09	121		-10.75	182		-12.89	366			Proposed

Table 2 - Block 02 Decommissioning Status Tracker RP

09/08/2017

< 2.0 mm GREEN | < 3.5 mm AMBER | > 3.5 mm RED

AVERAGE SETTLEMENT TREND

C510 Sensor Name	Block	Section	Int / Ext	Measurement Type	Sensor Type	Sensor Description	Asset/Location	EOI Last Primary Layer Construction	Last Construction Date	Latest Surveyed Date	120 day	120 Days	120 Day Calculation Period	180 day	180 Days	180 Day Calculation Period	480 day	365 Days	365 Day Calculation Period	Ceased Date	General Comment	Decommissioning Status
C510-RP10270	Block 102	N/A	Internal	Automated	RP	3D Geodetic prism	Next Store Basement	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	17/02/2015		#N/A			#N/A			#N/A				Complete
C510-RP10271	Block 102	N/A	Internal	Automated	RP	3D Geodetic prism	Next Store Basement	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/02/2015		#N/A			#N/A			#N/A				Complete
C510-RP10272	Block 102	N/A	Internal	Automated	RP	3D Geodetic prism	Next Store Basement	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/02/2015		#N/A			#N/A			#N/A				Complete
C510-RP10273	Block 102	N/A	Internal	Automated	RP	3D Geodetic prism	Next Store Basement	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/02/2015		#N/A			#N/A			#N/A				Complete
C510-RP10274	Block 102	N/A	Internal	Automated	RP	3D Geodetic prism	Next Store Basement	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/02/2015		#N/A			#N/A			#N/A				Complete
C510-RP10275	Block 102	N/A	Internal	Automated	RP	3D Geodetic prism	Next Store Basement	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/02/2015		#N/A			#N/A			#N/A				Complete
C510-RP10276	Block 102	N/A	Internal	Automated	RP	3D Geodetic prism	Next Store Basement	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/02/2015		#N/A			#N/A			#N/A				Complete
C510-RP10277	Block 102	N/A	Internal	Automated	RP	3D Geodetic prism	Next Store Basement	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/02/2015		#N/A			#N/A			#N/A				Complete
C510-RP10278	Block 102	N/A	Internal	Automated	RP	3D Geodetic prism	Next Store Basement	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/02/2015		#N/A			#N/A			#N/A				Complete
C510-RP10279	Block 102	N/A	Internal	Automated	RP	3D Geodetic prism	Next Store Basement	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/02/2015		#N/A			#N/A			#N/A				Complete
C510-RP10280	Block 102	N/A	Internal	Automated	RP	3D Geodetic prism	Next Store Basement	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/02/2015		#N/A			#N/A			#N/A				Complete
C510-RP10281	Block 102	N/A	Internal	Automated	RP	3D Geodetic prism	Next Store Basement	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/02/2015		#N/A			#N/A			#N/A				Complete
C510-RP10282	Block 102	N/A	Internal	Automated	RP	3D Geodetic prism	Next Store Basement	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/02/2015		#N/A			#N/A			#N/A				Complete
C510-RP10283	Block 102	N/A	Internal	Automated	RP	3D Geodetic prism	Next Store Basement	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/02/2015		#N/A			#N/A			#N/A				Complete
C510-RP10284	Block 102	N/A	Internal	Automated	RP	3D Geodetic prism	Next Store Basement	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/02/2015		#N/A			#N/A			#N/A				Complete
C510-RP10285	Block 102	N/A	Internal	Automated	RP	3D Geodetic prism	Next Store Basement	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/02/2015		#N/A			#N/A			#N/A				Complete
C510-RP10286	Block 102	N/A	Internal	Automated	RP	3D Geodetic prism	Next Store Basement	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/02/2015		#N/A			#N/A			#N/A				Complete
C510-RP10287	Block 102	N/A	Internal	Automated	RP	3D Geodetic prism	Next Store Basement	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/02/2015		#N/A			#N/A			#N/A				Complete
C510-RP10291	Block 102	N/A	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	31/07/2017		0.35	121		-9.47	181		-8.39	366		6 months automated post construction monitoring specification complete. Grouting facilities decommissioned; therefore, no longer required. Manual monitoring to continue.	Proposed
C510-RP10292	Block 102	N/A	External	Automated	RP	3D Geodetic prism	Salisbury House	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	31/07/2017		8.52	121		5.64	181		-0.45	366			Proposed
C510-RP10293	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016		1.03	128		-0.02	183		-0.46	372		To remain until catcher frame removed.	Outstanding
C510-RP10294	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016		2.83	128		1.59	183		0.38	372			Outstanding
C510-RP10295	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016		1.98	128		0.46	183		0.12	372			Outstanding
C510-RP10296	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016		-0.67	128		-1.15	183		-0.29	372			Outstanding
C510-RP10297	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016		-0.08	128		0.34	183		0.10	372			Outstanding
C510-RP10298	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016		1.56	128		0.72	183		-0.38	372			Outstanding
C510-RP10299	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016		2.14	128		1.27	183		0.15	372			Outstanding
C510-RP102100	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016		0.87	128		1.45	183		0.83	372			Outstanding
C510-RP102101	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016		-1.31	128		0.40	183		0.35	372			Outstanding
C510-RP102102	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016		0.78	128		0.59	183		-0.29	372			Outstanding
C510-RP102103	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016		-2.22	128		-0.99	183		0.04	372			Outstanding
C510-RP102104	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016		-2.39	128		-1.56	183		-0.44	372			Outstanding
C510-RP102105	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016		-1.57	128		-0.94	183		-0.02	372			Outstanding
C510-RP102106	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016		-2.09	128		-0.29	183		0.20	372			Outstanding
C510-RP102107	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016		2.62	128		0.76	183		0.11	372			Outstanding
C510-RP102108	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016		3.52	128		1.70	183		0.63	372			Outstanding
C510-RP102109	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016		-0.77	128		-0.90	183		-0.11	372			Outstanding
C510-RP102110	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016		-3.01	128		-0.66	183		-0.04	372			Outstanding
C510-RP102111	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016		-2.16	128		-1.81	183		-0.48	372			Outstanding
C510-RP102112	Block 102	S10201	Internal	Manual	RP	3D Geodetic prism	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	21/07/2016		-1.18	128		-1.70	183		-0.26	372			Outstanding

Table 2 - Block 02 Decommissioning Status Tracker SH & TB

04/08/2017

< 2.0 mm GREEN	< 3.5 mm AMBER	> 3.5 mm RED

AVERAGE SETTLEMENT (mm) & TILT (mm/m) TREND

C510 Sensor Name	Block	Section	Int / Ext	Measurement Type	Sensor Type	Sensor Description	Asset/Location	EOI Last Primary Layer Construction	Last Construction Date	Latest Surveyed Date	120 day	120 Days	120 Day Calculation Period	180 day	180 Days	180 Day Calculation Period	480 day	365 Days	365 Day Calculation Period	Ceased Date	General Comment	Decommissioning Status
C510-SH10201	Block 102	S1	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	01/08/2017	🟢	6.62	120	🔴	-11.91	180	🔴	-26.94	365		6 months automated post construction monitoring specification complete. Grouting facilities decommissioned; therefore, no longer required. Manual monitoring to continue	Proposed
C510-SH10202	Block 102	S1	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	01/08/2017	🟢	9.17	120	🔴	-11.78	180	🔴	-21.92	365			Proposed
C510-SH10203	Block 102	S1	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	01/08/2017	🟢	-7.12	120	🔴	-16.15	180	🔴	-13.16	365			Proposed
C510-SH10204	Block 102	S1	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	01/08/2017	🟢	-4.69	120	🔴	-10.12	180	🔴	-8.46	365			Proposed
C510-SH10205	Block 102	S1	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	01/08/2017	🟢	-3.57	120	🔴	-4.19	180	🔴	-4.51	365			Proposed
C510-SH10206	Block 102	S1	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_CP4_Enlargement_Adv-4	27/09/2014	01/08/2017	🟢	-2.35	120	🟢	-2.63	180	🟢	-2.81	365			Proposed
C510-SH10207	Block 102	S1_Cellar	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House Cellar	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	01/08/2017	🟢	-6.47	120	🔴	-12.14	180	🔴	-9.51	365			Proposed
C510-SH10208	Block 102	S1_Cellar	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House Cellar	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	01/08/2017	🟢	-4.31	120	🔴	-9.14	180	🔴	-8.25	365			Proposed
C510-SH10211	Block 102	S2	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	01/08/2017	🟢	13.04	120	🟢	4.35	180	🟢	-3.13	365			Proposed
C510-SH10212	Block 102	S2	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	01/08/2017	🟢	11.88	120	🟢	5.45	180	🟢	-1.64	365			Proposed
C510-SH10213	Block 102	S2	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_PTW-East_Enlargement_Adv-4	17/11/2013	01/08/2017	🟢	6.39	120	🟢	-0.70	180	🟢	0.12	365			Proposed
C510-SH10214	Block 102	S2	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_PTW-West_Enlargement_Adv-37	19/09/2013	01/08/2017	🟢	8.94	120	🟢	3.92	180	🟢	0.01	365			Proposed
C510-SH10231	Block 102	S3	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	01/08/2017	🟢	4.37	120	🔴	-4.90	180	🔴	-8.61	365			Proposed
C510-SH10232	Block 102	S3	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	01/08/2017	🟢	5.48	120	🔴	-4.33	180	🔴	-9.60	365			Proposed
C510-SH10233	Block 102	S3	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	01/08/2017	🟢	5.64	120	🔴	-2.49	180	🔴	-11.51	365			Proposed
C510-SH10234	Block 102	S3	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	01/08/2017	🟢	4.47	120	🔴	0.26	180	🔴	-3.59	365			Proposed
C510-SH10235	Block 102	S3	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	01/08/2017	🟢	2.38	120	🔴	-2.18	180	🔴	-2.06	365			Proposed
C510-SH10236	Block 102	S3	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	01/08/2017	🟢	3.18	120	🔴	1.74	180	🔴	0.38	365			Proposed
C510-SH10241	Block 102	S4	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_CP1_Enlargement_Adv-13	28/06/2014	01/08/2017	🟢	-3.33	120	🟢	-3.83	180	🟢	-5.98	365			Proposed
C510-SH10242	Block 102	S4	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	01/08/2017	🟢	-2.41	120	🔴	-6.26	180	🔴	-10.47	365			Proposed
C510-SH10243	Block 102	S4	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	01/08/2017	🟢	-3.95	120	🔴	-9.49	180	🔴	-13.98	365			Proposed
C510-SH10244	Block 102	S4	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	01/08/2017	🟢	3.05	120	🔴	1.73	180	🔴	0.41	365			Proposed
C510-SH10245	Block 102	S4	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	01/08/2017	🟢	3.82	120	🔴	2.27	180	🔴	0.16	365			Proposed
C510-SH10246	Block 102	S4	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	01/08/2017	🟢	-2.45	120	🟢	-2.64	180	🟢	-2.79	365			Proposed
C510-SH10247	Block 102	S4	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_CP3_Enlargement_Adv-15	06/05/2014	01/08/2017	🟢	-2.06	120	🟢	-0.90	180	🟢	-1.74	365			Proposed
C510-SH10248	Block 102	S4	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_PTW-West_Enlargement_Adv-100	28/01/2014	01/08/2017	🟢	0.58	120	🟢	8.97	180	🟢	1.53	365			Proposed
C510-SH10249	Block 102	S4	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_PTW-West_Enlargement_Adv-115	02/02/2014	01/08/2017	🟢	3.45	120	🟢	10.43	180	🟢	1.72	365			Proposed
C510-SH10251	Block 102	S5	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_CP3_Enlargement_Adv-15	06/05/2014	01/08/2017	🟢	-2.06	120	🟢	-0.90	180	🟢	-1.75	365			Proposed
C510-SH10252	Block 102	S5	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus			28/01/2015		#N/A			#N/A			#N/A			Monitoring ceased on 28/01/2015 as data was corrupt. Proposed to decommission.	Proposed
C510-SH10253	Block 102	S5	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_CP3_Enlargement_Adv-15	06/05/2014	01/08/2017	🟢	-6.37	120	🟢	-6.22	180	🟢	-9.84	365		6 months automated post construction monitoring specification complete. Grouting facilities decommissioned; therefore, no longer required. Manual monitoring to continue	Proposed
C510-SH10254	Block 102	S5	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_CP3_Enlargement_Adv-15	06/05/2014	01/08/2017	🟢	-1.71	120	🟢	-4.56	180	🟢	-10.40	365			Proposed
C510-SH10255	Block 102	S5	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_CP3_Enlargement_Adv-15	06/05/2014	01/08/2017	🟢	-3.61	120	🟢	-5.42	180	🟢	-8.90	365			Proposed
C510-SH10261	Block 102	S6	Unknown	Automated	SH	Settlement Cell-Electronic	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	01/08/2017	🟢	4.96	120	🔴	-10.53	180	🔴	-22.33	365			Proposed
C510-SH10262	Block 102	S6	Unknown	Automated	SH	Settlement Cell-Electronic	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	01/08/2017	🟢	7.80	120	🔴	-7.48	180	🔴	-20.10	365			Proposed
C510-SH10263	Block 102	S6	Unknown	Automated	SH	Settlement Cell-Electronic	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	01/08/2017	🟢	6.07	120	🔴	-6.09	180	🔴	-16.60	365			Proposed
C510-SH10264	Block 102	S6	Unknown	Automated	SH	Settlement Cell-Electronic	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	01/08/2017	🟢	3.01	120	🔴	-8.47	180	🔴	-14.84	365			Proposed
C510-SH10265	Block 102	S6	Unknown	Automated	SH	Settlement Cell-Electronic	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	01/08/2017	🟢	3.39	120	🔴	-5.33	180	🔴	-9.41	365			Proposed
C510-SH10271	Block 102	S7	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	01/08/2017	🟢	-1.31	120	🔴	8.81	180	🔴	2.15	365			Proposed
C510-SH10272	Block 102	S7	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_PTW-West_Enlargement_Adv-95	26/01/2014	01/08/2017	🟢	0.62	120	🟢	9.01	180	🟢	1.54	365			Proposed
C510-SH10273	Block 102	S7	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_PTW-West_Enlargement_Adv-112	01/02/2014	01/08/2017	🟢	0.64	120	🟢	8.65	180	🟢	0.91	365			Proposed
C510-SH10274	Block 102	S7	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_PTW-West_Enlargement_Adv-91	25/01/2014	01/08/2017	🟢	3.01	120	🟢	9.06	180	🟢	1.96	365			Proposed
C510-SH10275	Block 102	S7	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_PTW-West_Enlargement_Adv-53	24/09/2013	01/08/2017	🟢	4.63	120	🟢	12.45	180	🟢	1.64	365			Proposed
C510-SH10276	Block 102	S7	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_PTW-West_Enlargement_Adv-53	24/09/2013	01/08/2017	🟢	1.34	120	🟢	9.34	180	🟢	2.41	365			Proposed
C510-SH10281	Block 102	S8	Unknown	Automated	SH	Settlement Cell-Electronic	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-7	28/02/2017	01/08/2017	🟢	9.39	120	🔴	-2.04	180	🔴	-16.28	365			Proposed
C510-SH10282	Block 102	S8	Unknown	Automated	SH	Settlement Cell-Electronic	Electra House, 76-92 Moorgate	LIV_CP1_Enlargement_Adv-13	28/06/2014	01/08/2017	🟢	10.33	120	🟢	-0.20	180	🟢	-12.83	365			Proposed
C510-SH10283	Block 102	S8	Unknown	Automated	SH	Settlement Cell-Electronic	Electra House, 76-92 Moorgate	LIV_LCWb_Enlargement_Adv-29	04/03/2014	01/08/2017	🟢	7.78	120	🟢	-0.45	180	🟢	-5.03	365			Proposed
C510-SH10284	Block 102	S8	Unknown	Automated	SH	Settlement Cell-Electronic	Electra House, 76-92 Moorgate	LIV_LCWb_Enlargement_Adv-29	04/03/2014	01/08/2017	🟢	9.96	120	🟢	2.85	180	🟢	-4.90	365			Proposed
C510-SH10285	Block 102	S8	Unknown	Automated	SH	Settlement Cell-Electronic	Electra House, 76-92 Moorgate	LIV_LCWb_Enlargement_Adv-29	04/03/2014	01/08/2017	🟢	9.97	120	🟢	2.18	180	🟢	-8.06	365			Proposed
C510-SH10291	Block 102	S9	Unknown	Automated	SH	Settlement Cell-Electronic	Electra House, 76-92 Moorgate	LIV_LCWb_Enlargement_Adv-29	04/03/2014	01/08/2017	🟢	6.78	120	🟢	-0.95	180	🟢	-7.21	365			Proposed
C510-SH10292	Block 102	S9	Unknown	Automated	SH	Settlement Cell-Electronic	Electra House, 76-92 Moorgate	LIV_CP1_Enlargement_Adv-13	28/06/2014	01/08/2017	🟢	7.42	120	🟢	-1.43	180	🟢	-9.51	365			Proposed
C510-SH10293	Block 102	S9	Unknown	Automated	SH	Settlement Cell-Electronic	Electra House, 76-92 Moorgate	LIV_CP1_Enlargement_Adv-13	28/06/2014	01/08/2017	🟢	9.15	120	🟢	-2.04	180	🟢	-12.65	365			Proposed
C510-SH10294	Block 102	S9	Unknown	Automated	SH	Settlement Cell-Electronic	Electra House, 76-92 Moorgate	LIV_CP1_Enlargement_Adv-13	28/06/2014	01/08/2017	🟢	10.09	120	🟢	-0.75	180	🟢	-12.47	365			Proposed
C510-SH10295	Block 102	S9	Unknown	Automated	SH	Settlement Cell-Electronic	Electra House, 76-92 Moorgate	LIV_CP1_Enlargement_Adv-13	28/06/2014	01/08/2017	🟢	10.33	120	🟢	-0.20	180	🟢	-12.83	365			Proposed
C510-SH10296	Block 102	S9	Unknown	Automated	SH	Settlement Cell-Electronic	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	01/08/2017	🟢	10.35	120	🔴	-1.66	180	🔴	-16.12	365			Proposed
C510-SH102101	Block 102	S10	Unknown	Automated	SH	Settlement Cell-Electronic	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	01/08/2017	🟢	7.29	120	🔴	-7.47	180	🔴	-22.24	365			Proposed
C510-SH102102	Block 102	S10	Unknown	Automated	SH	Settlement Cell-Electronic	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	01/08/2017	🟢	8.14	120	🔴	-5.70	180	🔴	-18.32	365			Proposed
C510-SH102103	Block 102	S10	Unknown	Automated	SH	Settlement Cell-Electronic	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	01/08/2017	🟢	9.20	120	🔴	-2.92	180	🔴	-15.60	365			Proposed
C510-SH102104	Block 102	S10	Unknown	Automated	SH	Settlement Cell-Electronic	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	01/08/2017	🟢	7.99	120	🔴	-3.36	180	🔴	-14.89	365			Proposed
C510-SH102105	Block 102	S10	Unknown	Automated	SH	Settlement Cell-Electronic	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	01/08/2017	🟢	4.95	120	🔴	-10.52	180	🔴	-22.36	365			Proposed
C510-SH102106	Block 102	S10	Unknown	Automated	SH	Settlement Cell-Electronic	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	01/08/2017	🟢	10.24	120	🔴	-2.60	180	🔴	-17.38	365			Proposed
C510-SH102107	Block 102	S10	Unknown	Automated	SH	Settlement Cell-Electronic	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	01/08/2017	🟢	11.03	120	🔴	-1.95	180	🔴	-17.33	365			Proposed
C510-SH102108	Block 102	S10	Unknown	Automated	SH	Settlement Cell-Electronic	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	01/08/2017	🟢	10.47	120	🔴	-1.20	180	🔴	-14.49	365			Proposed
C510-SH102109	Block 102	S10	Unknown	Automated	SH	Settlement Cell-Electronic	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	01/08/2017	🟢	11.20	120	🔴	-0.31	180	🔴	-14.16	365			Proposed
C510-SH102110	Block 102	S10	Unknown	Automated	SH	Settlement Cell-Electronic	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	01/08/2017	🟢	8.32	120	🔴	-3.09	180	🔴	-15.98	365			Proposed
C510-SH102491	Block 102	S4	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_PTW-West_Enlargement_Adv-137	08/02/2014	01/08/2017	🟢	1.24	120	🟢	7.10	180	🟢	-4.54	365			Proposed
C510-SH102492	Block 102	S4	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_CP1_Enlargement_Adv-13	28/06/2014	01/08/2017	🟢	-7.52	120	🟢	-9.12	180	🟢	-8.22	365			Proposed
C510-SH102493	Block 102	S4	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_PTW-West_Enlargement_Adv-170	22/02/2014	01/08/2017	🟢	-11.19	120	🟢	-10.11	180	🟢	-8.58	365			Proposed
C510-SH102494	Block 102	S4	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus					#N/A			#N/A			#N/A			Sensor removed in May 2015. Proposed to remove from database.	Complete
C510-SH102121	Block 102	S11	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	01/08/2017	🟢	-5.01	120	🟢	-24.88	180	🟢	-21.81	365		6 months automated post construction monitoring specification complete. Grouting facilities decommissioned; therefore, no longer required. Manual monitoring to continue	Proposed
C510-SH102122	Block 102	S11	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	01/08/2017	🟢	1.60	120	🟢	-16.97	180	🟢	-16.31	365			Proposed
C510-SH102123	Block 102	S11	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	01/08/2017	🟢	7.90	120	🟢	-9.80	180	🟢	-15.14	365			Proposed
C510-SH102124	Block 102	S11	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	01/08/2017	🟢	6.63	120	🟢	-11.73	180	🟢	-26.79	365			Proposed
C510-SH102125	Block 102	S11	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	01/08/2017	🟢	6.54	120	🟢	-10.24	180	🟢	-25.11	365			Proposed
C510-SH102126	Block 102	S11	Unknown	Automated	SH	Settlement Cell-Electronic	Salisbury House, 31 Finsbury Circus	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	01/08/2017	🟢	2.06	120	🟢	-12.35	180	🟢	-23.58	365			Proposed
C510-TB10201A	Block 102		Unknown	Automated	TB	Tiltmeter-Biaxial	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	03/08/2017	🟢	1.14	121	🔴	1.20	181	🔴	0.25	366		6 months automated post construction monitoring specification complete. Grouting facilities decommissioned; therefore, no longer required. Manual monitoring to continue	Proposed
C510-TB10201B	Block 102		Unknown	Automated	TB	Tiltmeter-Biaxial	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	03/08/2017	🟢	1.72	121	🔴	1.39	181	🔴	0.35	366			Proposed
C510-TB10202A	Block 102		Unknown	Automated	TB	Tiltmeter-Biaxial	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	03/08/2017	🟢	0.68	121	🔴	0.40	181	🔴	0.25	366			Proposed
C510-TB10202B	Block 102		Unknown	Automated	TB	Tiltmeter-Biaxial	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	03/08/2017	🟢	0.95	121	🔴	0.68	181	🔴	0.13	366			Proposed
C510-TB10203A	Block 102		Unknown	Automated	TB	Tiltmeter-Biaxial	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	03/08/2017	🟢	0.18	121	🔴	0.37	181	🔴	0.30	366			Proposed
C510-TB10203B	Block 102		Unknown	Automated	TB	Tiltmeter-Biaxial	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	03/08/2017	🟢	0.35	121	🔴	0.56	181	🔴	-0.11	366			Proposed
C510-TB10204A	Block 102		Unknown	Automated	TB	Tiltmeter-Biaxial	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	03/08/2017	🟢	0.08	121	🔴	0.22	181	🔴	0.19	366			Proposed
C510-TB10204B	Block 102		Unknown	Automated	TB	Tiltmeter-Biaxial	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	03/08/2017	🟢	0.38	121	🔴	0.15	181	🔴	-0.02	366			Proposed
C510-TB10205A	Block 102		Unknown	Automated	TB	Tiltmeter-Biaxial	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	03/08/2017	🟢	0.00	121	🔴	-0.12	181	🔴	-0.38	366			Proposed
C510-TB10205B	Block 102		Unknown	Automated	TB	Tiltmeter-Biaxial	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	03/08/2017	🟢	1.16	121	🔴	1.00	181	🔴	-0.12	366			Proposed

Table 2 - Block 02 Decommissioning Status Tracker SH & TB

04/08/2017

< 2.0 mm GREEN	< 3.5 mm AMBER	> 3.5 mm RED

AVERAGE SETTLEMENT (mm) & TILT (mm/m) TREND

C510 Sensor Name	Block	Section	Int / Ext	Measurement Type	Sensor Type	Sensor Description	Asset/Location	EOI Last Primary Layer Construction	Last Construction Date	Latest Surveyed Date	120 day	120 Days	120 Day Calculation Period	180 day	180 Days	180 Day Calculation Period	480 day	365 Days	365 Day Calculation Period	Ceased Date	General Comment	Decommissioning Status
C510-TB102101A	Block 102	Façade 1	External	Automated	TB	Tiltmeter-Biaxial	Electra House, 76-92 Moorgate	LIV_CP1_Enlargement_Adv-13	28/06/2014	02/08/2017		-0.43	121		-0.26	181		0.06	366		6 months automated post construction monitoring specification complete. Grouting facilities decommissioned; therefore, no longer required. Manual monitoring to continue	Proposed
C510-TB102101B	Block 102	Façade 1	External	Automated	TB	Tiltmeter-Biaxial	Electra House, 76-92 Moorgate	LIV_CP1_Enlargement_Adv-13	28/06/2014	02/08/2017		-0.44	121		-0.24	181		-0.07	366			Proposed
C510-TB102102A	Block 102	Façade 1	External	Automated	TB	Tiltmeter-Biaxial	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	02/08/2017		0.74	121		0.50	181		-0.05	366			Proposed
C510-TB102102B	Block 102	Façade 1	External	Automated	TB	Tiltmeter-Biaxial	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	02/08/2017		0.41	121		0.41	181		0.08	366			Proposed
C510-TB102103A	Block 102	Façade 2	External	Automated	TB	Tiltmeter-Biaxial	Electra House, 76-92 Moorgate					#N/A			#N/A			#N/A			Duplicate of TB102203. Proposed to remove from database	Complete
C510-TB102103B	Block 102	Façade 2	External	Automated	TB	Tiltmeter-Biaxial	Electra House, 76-92 Moorgate					#N/A			#N/A			#N/A				Complete
C510-TB10211A	Block 102	Façade 1	External	Automated	TB	Tiltmeter-Biaxial	Electra House, 76-92 Moorgate					#N/A			#N/A			#N/A			Duplicate of TB102101. Proposed to remove from database	Complete
C510-TB10211B	Block 102	Façade 1	External	Automated	TB	Tiltmeter-Biaxial	Electra House, 76-92 Moorgate					#N/A			#N/A			#N/A				Complete
C510-TB10212A	Block 102	Façade 1	External	Automated	TB	Tiltmeter-Biaxial	Electra House, 76-92 Moorgate					#N/A			#N/A			#N/A			Duplicate of TB102102. Proposed to remove from database	Complete
C510-TB10212B	Block 102	Façade 1	External	Automated	TB	Tiltmeter-Biaxial	Electra House, 76-92 Moorgate					#N/A			#N/A			#N/A				Complete
C510-TB102201A	Block 102	Façade 1	External	Automated	TB	Tiltmeter-Biaxial	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	02/08/2017		0.32	121		0.46	181		0.34	366		6 months automated post construction monitoring specification complete. Grouting facilities decommissioned; therefore, no longer required. Manual monitoring to continue	Proposed
C510-TB102201B	Block 102	Façade 1	External	Automated	TB	Tiltmeter-Biaxial	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	02/08/2017		0.47	121		0.50	181		0.15	366			Proposed
C510-TB102202A	Block 102	Façade 1	External	Automated	TB	Tiltmeter-Biaxial	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	02/08/2017		0.45	121		0.53	181		0.30	366			Proposed
C510-TB102202B	Block 102	Façade 1	External	Automated	TB	Tiltmeter-Biaxial	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	02/08/2017		-0.68	121		-0.56	181		-0.15	366			Proposed
C510-TB102203A	Block 102	Façade 2	External	Automated	TB	Tiltmeter-Biaxial	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	02/08/2017		0.46	121		0.33	181		-0.04	366			Proposed
C510-TB102203B	Block 102	Façade 2	External	Automated	TB	Tiltmeter-Biaxial	Electra House, 76-92 Moorgate	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	02/08/2017		-0.05	121		0.14	181		0.26	366			Proposed
C510-TB10231A	Block 102		Unknown	Automated	TB	Tiltmeter-Biaxial	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	02/08/2017		-0.40	121		-0.29	181		0.02	366			Proposed
C510-TB10231B	Block 102		Unknown	Automated	TB	Tiltmeter-Biaxial	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	02/08/2017		-0.15	121		-0.36	181		-0.27	366			Proposed
C510-TB10251A	Block 102		Unknown	Automated	TB	Tiltmeter-Biaxial	Salisbury House, 31 Finsbury Circus	LIV_CP1_Enlargement_Adv-13	28/06/2014	03/08/2017		-0.45	121		-0.12	181		0.53	366			Proposed
C510-TB10251B	Block 102		Unknown	Automated	TB	Tiltmeter-Biaxial	Salisbury House, 31 Finsbury Circus	LIV_CP1_Enlargement_Adv-13	28/06/2014	03/08/2017		-1.86	121		-0.85	181		0.94	366			Proposed
C510-TB10252A	Block 102		Unknown	Automated	TB	Tiltmeter-Biaxial	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	03/08/2017		0.42	121		0.89	181		-1.07	366			Proposed
C510-TB10252B	Block 102		Unknown	Automated	TB	Tiltmeter-Biaxial	Salisbury House, 31 Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	03/08/2017		-1.77	121		-1.76	181		-0.11	366			Proposed
C510-TB10261A	Block 102		Unknown	Automated	TB	Tiltmeter-Biaxial	Electra House Basement	LIV_CP1_Enlargement_Adv-13	28/06/2014	03/08/2017		0.00	121		-0.17	181		-0.16	366			Proposed
C510-TB10261B	Block 102		Unknown	Automated	TB	Tiltmeter-Biaxial	Electra House Basement	LIV_CP1_Enlargement_Adv-13	28/06/2014	03/08/2017		0.00	121		0.12	181		0.30	366			Proposed
C510-TB10291A	Block 102		Unknown	Automated	TB	Tiltmeter-Biaxial	Electra House Basement	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	02/08/2017		0.44	121		0.29	181		0.09	366			Proposed
C510-TB10291B	Block 102		Unknown	Automated	TB	Tiltmeter-Biaxial	Electra House Basement	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	02/08/2017		-0.74	121		-0.43	181		0.88	366			Proposed
C510-TB10292A	Block 102		Unknown	Automated	TB	Tiltmeter-Biaxial	Electra House Basement	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	02/08/2017		-0.44	121		-0.27	181		0.00	366			Proposed
C510-TB10292B	Block 102		Unknown	Automated	TB	Tiltmeter-Biaxial	Electra House Basement	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	02/08/2017		0.44	121		0.31	181		0.31	366			Proposed

Table 2 - Block 02 Decommissioning Status Tracker XR & IM

04/09/2017

< 2.0 mm GREEN | < 3.5 mm AMBER | > 3.5 mm RED

AVERAGE SETTLEMENT TREND

C510 Sensor Name	Block	Section	Int / Ext	Measurement Type	Sensor Type	Sensor Description	Asset/Location	EOI Last Primary Layer Construction	Last Construction Date	Latest Surveyed Date	120 day	120 Days	120 Day Calculation Period	180 day	180 Days	180 Day Calculation Period	360 day	365 Days	365 Day Calculation Period	Ceased Date	General Comment	Decommissioning Status
C510-XR10207H-0m	Block 102	XR10207	Inground	Manual	XR	Extensometer-Rod	Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-8	15/03/2017	04/09/2017		-1.26	145		-1.69	189		-4.71	371		Stable 6 month trend	Agreed
C510-XR102074-5m	Block 102	XR10207	Inground	Manual	XR	Extensometer-Rod	Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-8	15/03/2017	04/09/2017		1.63	145		0.09	189		-3.45	371			
C510-XR102076-9m	Block 102	XR10207	Inground	Manual	XR	Extensometer-Rod	Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-8	15/03/2017	04/09/2017		-0.42	145		-1.24	189		-4.45	371			
C510-XR102071-15m	Block 102	XR10207	Inground	Manual	XR	Extensometer-Rod	Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-8	15/03/2017	04/09/2017		4.72	145		2.85	189		-2.01	371			
C510-XR102072-20m	Block 102	XR10207	Inground	Manual	XR	Extensometer-Rod	Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-8	15/03/2017	04/09/2017		2.94	145		1.98	189		-0.90	371			
C510-XR102073-25m	Block 102	XR10207	Inground	Manual	XR	Extensometer-Rod	Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-8	15/03/2017	04/09/2017		0.49	145		-0.53	189		-4.11	371			
C510-XR102075-29.5m	Block 102	XR10207	Inground	Manual	XR	Extensometer-Rod	Finsbury Circus	LIV_ES3_Elargement_Uphill_Adv-8	15/03/2017	04/09/2017		0.80	145		-0.05	189		-3.69	371			
C510-XR10208H-0m	Block 102	XR10208	Inground	Automated	XR	Extensometer-Rod	Finsbury Circus	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	12/10/2013		0.34	132		0.49	188		-4.74	370		Manually monitored until 12/10/2013. Sensor measured relative to LP12210B.	Agreed
C510-XR10208D-5m	Block 102	XR10208	Inground	Automated	XR	Extensometer-Rod	Finsbury Circus	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	15/08/2017		-0.73	132		-0.55			-3.22				
C510-XR10208E-9m	Block 102	XR10208	Inground	Automated	XR	Extensometer-Rod	Finsbury Circus	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	03/05/2016		#N/A			#N/A			#N/A			Sensor broken. Last monitored in May 2016	
C510-XR10208F-15m	Block 102	XR10208	Inground	Automated	XR	Extensometer-Rod	Finsbury Circus	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	15/08/2017		-0.73	132		-0.52	189		-3.07	365		Manually monitored until 12/10/2013. Sensor measured relative to LP12210B.	
C510-XR10208A-20m	Block 102	XR10208	Inground	Automated	XR	Extensometer-Rod	Finsbury Circus	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	21/04/2017		#N/A			#N/A			#N/A			Sensor broken. Last monitored in May 2017	
C510-XR10208B-25m	Block 102	XR10208	Inground	Automated	XR	Extensometer-Rod	Finsbury Circus	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	15/08/2017		1.11	132		0.96	189		-2.23	365		Manually monitored until 12/10/2013. Sensor measured relative to LP12210B.	
C510-XR10208C-29.5m	Block 102	XR10208	Inground	Automated	XR	Extensometer-Rod	Finsbury Circus	LIV_CP3a_Enlargement_Adv-end face	31/05/2014	15/08/2017		1.00	132		1.29	189		-1.86	365			
C510-IM10204	Block 102	IM10204	Inground	Automated	IM	Inclinometer-Manual	Finsbury Circus			27/12/2014		#N/A			#N/A			#N/A		29/01/2016	Ceased through C510-PMI-01083 29.01.2016	Agreed
C510-IM10205	Block 102	IM10205	Inground	Automated	IM	Inclinometer-Manual	Finsbury Circus			29/01/2014		#N/A			#N/A			#N/A		29/01/2016	Ceased through C510-PMI-01083 29.01.2016	Agreed
C510-IE10204	Block 102	IE10204A	Inground	Automated	IE	Inclinometer-Automated	Finsbury Circus			06/01/2016		#N/A			#N/A			#N/A			Automated equipment removed 26/01/2015	Agreed
C510-IE10205	Block 102	IE10205A	Inground	Automated	IE	Inclinometer-Automated	Finsbury Circus			29/01/2015		#N/A			#N/A			#N/A			Automated equipment removed 29/01/2015	Agreed

Table 2 - Block 02 Decommissioning Status Tracker CK

10/08/2017

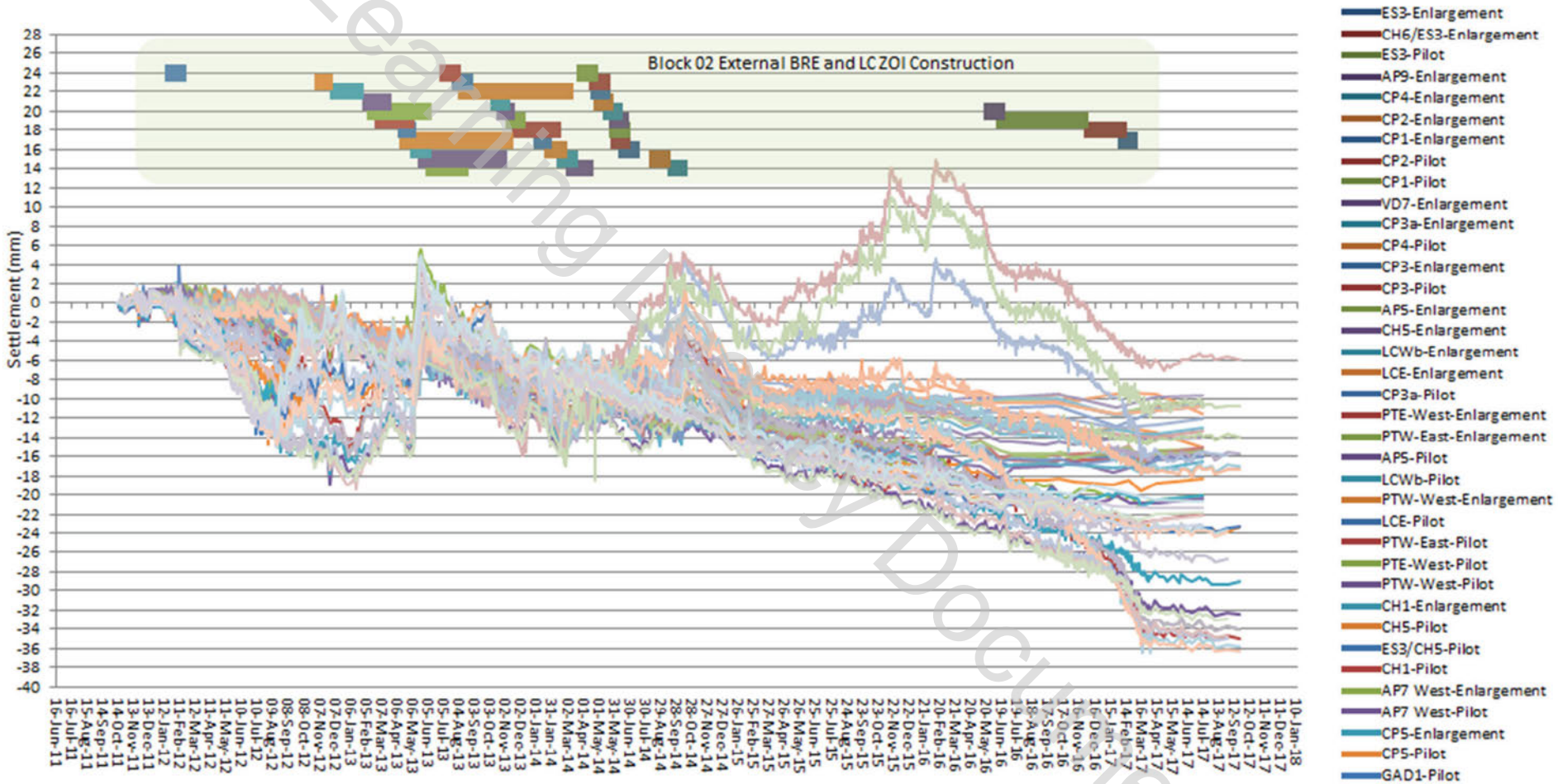
< 2.0 mm	GREEN	< 3.5 mm	AMBER	> 3.5 mm	RED

AVERAGE DISPLACEMENT TREND

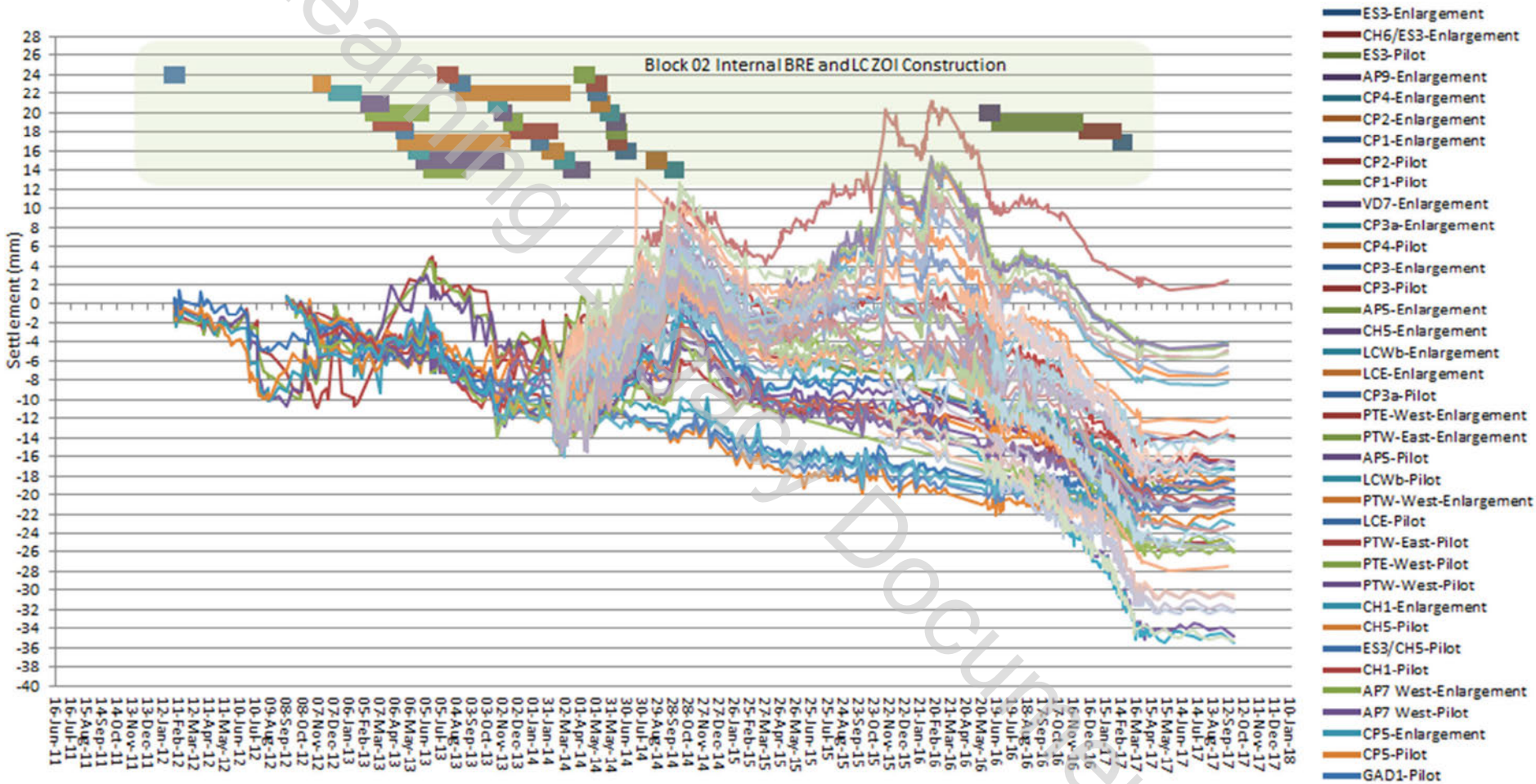
C510 Sensor Name	Block	Section	Int / Ext	Measurement Type	Sensor Type	Sensor Description	Asset/Location	EOI Last Primary Layer Construction	Last Construction Date	Latest Surveyed Date	120 day	120 Days	120 Day Calculation Period	180 day	180 Days	180 Day Calculation Period	480 day	365 Days	365 Day Calculation Period	Ceased Date	General Comment	Decommissioning Status
C510-CK102001	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		0.08	128		0.14	183		-0.25	366		Crackmeter stable	Outstanding
C510-CK102002	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	19/07/2017		0.20	128		0.14	183		0.01	366			Outstanding
C510-CK10201	Block 102	S10201	Internal	Automated	CK	Crack Monitor	Salisbury House Cellar	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	07/08/2017		0.43	121		0.30	181		0.24	366		Crackmeter stable. Salisbury House are planning to reinstate Cycle Vault; therefore, proposed to decommission	Proposed
C510-CK10202	Block 102	S10201	Internal	Automated	CK	Crack Monitor	Salisbury House Cellar	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	07/08/2017		-0.61	121		-0.56	181		0.02	366			Proposed
C510-CK10203	Block 102	S10201	Internal	Automated	CK	Crack Monitor	Salisbury House Cellar	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	07/08/2017		-0.45	121		-0.37	181		0.09	366			Proposed
C510-CK10204	Block 102	S10201	Internal	Automated	CK	Crack Monitor	Salisbury House Cellar	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	07/08/2017		-0.43	121		-0.29	181		0.06	366			Proposed
C510-CK10205	Block 102	S10201	Internal	Automated	CK	Crack Monitor	Salisbury House Cellar	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	07/08/2017		-0.87	121		-0.82	181		0.01	366			Proposed
C510-CK10206	Block 102	S10201	Internal	Automated	CK	Crack Monitor	Salisbury House Cellar	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	07/08/2017		0.27	121		0.16	181		0.34	366			Proposed
C510-CK10207	Block 102	S10201	Internal	Automated	CK	Crack Monitor	Salisbury House Cellar	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	07/08/2017		-1.05	121		-0.84	181		0.06	366			Proposed
C510-CK10208	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		0.14	128		0.23	183		-0.19	366		Crackmeter stable	Outstanding
C510-CK10209	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		0.13	128		0.00	183		-0.01	366			Outstanding
C510-CK10210	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		-0.45	127		0.00	182		0.02	372			Outstanding
C510-CK102101	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	19/07/2017		0.00	128		0.00	183		-0.03	366			Outstanding
C510-CK102102	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/07/2017		-0.01	128		0.13	183		-0.17	366			Outstanding
C510-CK102103	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/07/2017		0.35	128		0.50	183		0.22	366			Outstanding
C510-CK102104	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	04/06/2017		0.02	125		0.09	181		0.18	370			Outstanding
C510-CK102105	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	04/06/2017		0.22	125		0.31	181		-0.17	370			Outstanding
C510-CK102106	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		-0.37	128		0.00	183		-0.09	366			Outstanding
C510-CK102107	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		0.00	128		-0.25	183		-0.17	366			Outstanding
C510-CK102108	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		-1.08	134		-1.12	183		-0.85	366			Outstanding
C510-CK102109	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		-0.27	134		-0.14	183		-0.44	366			Outstanding
C510-CK102110	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		0.13	134		0.17	183		-0.13	366			Outstanding
C510-CK102111	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		-0.16	128		-0.01	183		0.29	366			Outstanding
C510-CK102112	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	19/07/2017		0.54	128		-0.20	183		-0.39	366			Outstanding
C510-CK102113	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	19/07/2017		0.14	128		-0.11	190		-0.73	366			Outstanding
C510-CK102114	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	05/06/2017		1.20	125		0.82	181		0.33	370			Outstanding
C510-CK102201	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		-0.26	128		-0.03	183		-0.20	366			Outstanding
C510-CK102202	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		-0.67	128		0.36	183		-0.33	366			Outstanding
C510-CK102203	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-7	28/02/2017	18/07/2017		0.07	128		0.00	183		-0.12	366			Outstanding
C510-CK102204	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		0.50	128		1.01	183		0.46	366			Outstanding
C510-CK102205	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		-0.13	128		0.00	183		-0.03	366			Outstanding
C510-CK102206	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		0.00	128		0.37	183		0.08	366			Outstanding
C510-CK102207	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		0.00	128		0.00	183		0.14	366			Outstanding
C510-CK102208	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		0.00	128		0.00	183		0.00	366			Outstanding
C510-CK102209	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		0.19	128		0.11	183		-0.12	366			Outstanding
C510-CK102210	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		0.29	128		0.66	183		0.14	366			Outstanding
C510-CK102211	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/07/2017		0.30	128		0.36	183		0.24	366			Outstanding
C510-CK102212	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	19/07/2017		-0.13	128		0.38	183		-0.05	366			Outstanding
C510-CK102213	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/07/2017		1.13	127		1.44	189		0.38	372			Outstanding
C510-CK102301	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		0.51	134		0.33	183		0.07	366			Outstanding
C510-CK102302	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		1.56	134		1.79	183		0.85	366			Outstanding
C510-CK102303	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		-0.33	128		0.06	183		0.04	366			Outstanding
C510-CK102304	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		0.61	128		0.69	183		-0.10	366			Outstanding
C510-CK102305	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	12/03/2017		0.00	125		0.00	187		-0.30	370			Outstanding
C510-CK102306	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-7	28/02/2017	18/07/2017		-0.20	128		-0.28	183		0.02	366			Outstanding
C510-CK102307	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		0.00	128		0.53	183		-0.92	366			Outstanding
C510-CK102308	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		-0.83	128		-1.01	183		-0.06	366			Outstanding
C510-CK102309	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		0.00	128		0.00	183		-0.03	366			Outstanding
C510-CK102310	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	05/01/2016		0.00			0.00			0.00				Outstanding
C510-CK102401	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		-0.17	127		-0.15	182		-0.20	372			Outstanding
C510-CK102402	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		-0.14	134		0.63	211		-0.63	366			Outstanding
C510-CK102403	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		0.34	128		0.26	183		0.04	366			Outstanding
C510-CK102404	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	19/07/2017		-1.28	128		-0.79	183		0.17	366			Outstanding
C510-CK102405	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	19/07/2017		0.22	128		0.44	183		0.58	366			Outstanding
C510-CK102406	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-7	28/02/2017	18/07/2017		0.29	128		-0.08	183		0.09	366			Outstanding
C510-CK102407	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/07/2017		0.48	128		0.39	183		0.26	366			Outstanding
C510-CK102408	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		0.00	127		0.00	182		0.16	372			Outstanding
C510-CK102501	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		-0.12	128		-0.46	183		-0.15	366			Outstanding
C510-CK102502	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	19/12/2016		0.63	125		0.36	183		0.33	378			Outstanding
C510-CK102503	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		-0.21	128		-0.16	183		-0.04	366			Outstanding
C510-CK102504	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	18/07/2017		0.47	128		0.27	183		0.08	366			Outstanding
C510-CK102505	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	19/07/2017		0.13	128		-0.15	183		0.00	366			Outstanding
C510-CK102506	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		0.20	128		0.28	183		0.03	366			Outstanding
C510-CK102507	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		-2.81	128		-1.77	183		0.06	366			Outstanding
C510-CK102508	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		1.26	128		1.02	183		0.23	366			Outstanding
C510-CK102509	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		-0.55	128		-0.34	183		0.40	366			Outstanding
C510-CK102510	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		0.38	128		-0.12	183		0.88	366			Outstanding
C510-CK102511	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		-0.88	128		-0.41	183		0.21	366			Outstanding
C510-CK102512	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		0.22	128		0.49	183		0.23	366			Outstanding
C510-CK102513	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		0.64	128		0.45	183		0.14	366			Outstanding
C510-CK102514	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		-0.07	128		-0.11	183		-0.06	366			Outstanding
C510-CK102515	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		1.56	128		0.40	183		0.24	366			Outstanding
C510-CK102516	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	18/07/2017		0.90	128		0.83	183		-0.07	366			Outstanding
C510-CK102601	Block 102	S10201	Internal	Manual	CK	Crack Monitor	University	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	19/07/2017		0.79	134		0.36	211		0.32	366			Outstanding
C510-CK102901	Block 102	S10201	Internal	Manual	CK	Crack Monitor	Cantilever Stairs	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	02/03/2017		0.35	128		0.23	191		0.16	372			Outstanding
C510-CK102902	Block 102	S10201	Internal	Manual	CK	Crack Monitor	Cantilever Stairs	LIV_ES3_Elargement_Invert_Downhill_Adv-13	06/03/2017	02/03/2017		0.53	128		0.53	191		0.25	372			Outstanding

C510-CK102904	Block 102	S10201	Internal	Manual	CK	Crack Monitor	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	02/03/2017	-0.19	128	0.07	203	0.10	372		Crackmeter stable	Outstanding
C510-CK102905	Block 102	S10201	Internal	Manual	CK	Crack Monitor	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	04/03/2017	0.06	121	-0.37	181	-0.53	374			Outstanding
C510-CK102906	Block 102	S10201	Internal	Manual	CK	Crack Monitor	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	02/03/2017	0.91	128	0.78	191	0.37	372			Outstanding
C510-CK102907	Block 102	S10201	Internal	Manual	CK	Crack Monitor	Cantilever Stairs	LIV_ES3_Elargement_Uphill_Adv-10	18/03/2017	04/03/2017	0.91	121	1.38	181	1.17	374			Outstanding

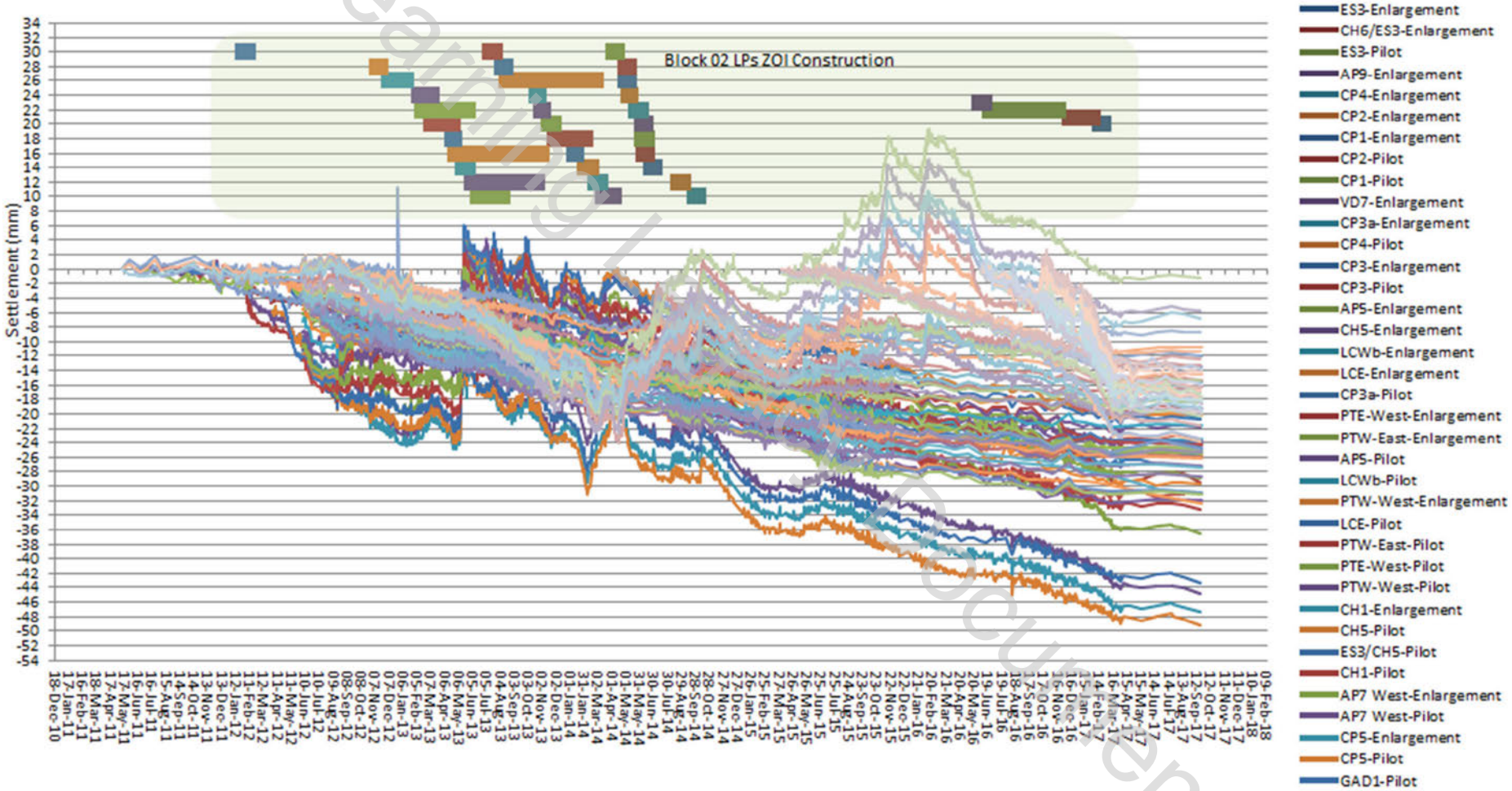
Graph 1 - Block 02 External Building (BRE & LC) Manual Monitoring History in Relation to Construction



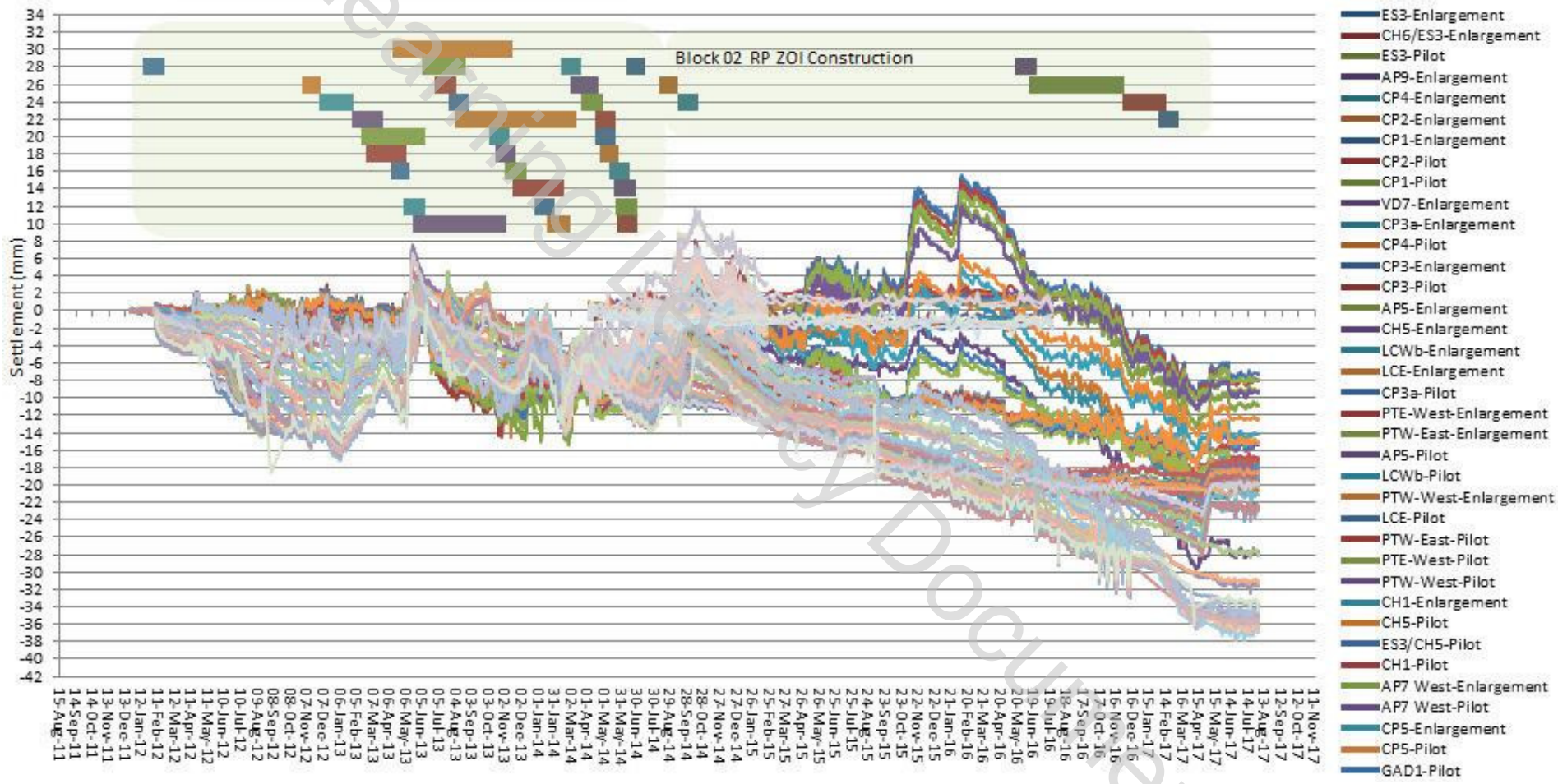
Graph 2 - Block 02 Internal Building (BRE & LC) Manual Monitoring History in Relation to Construction



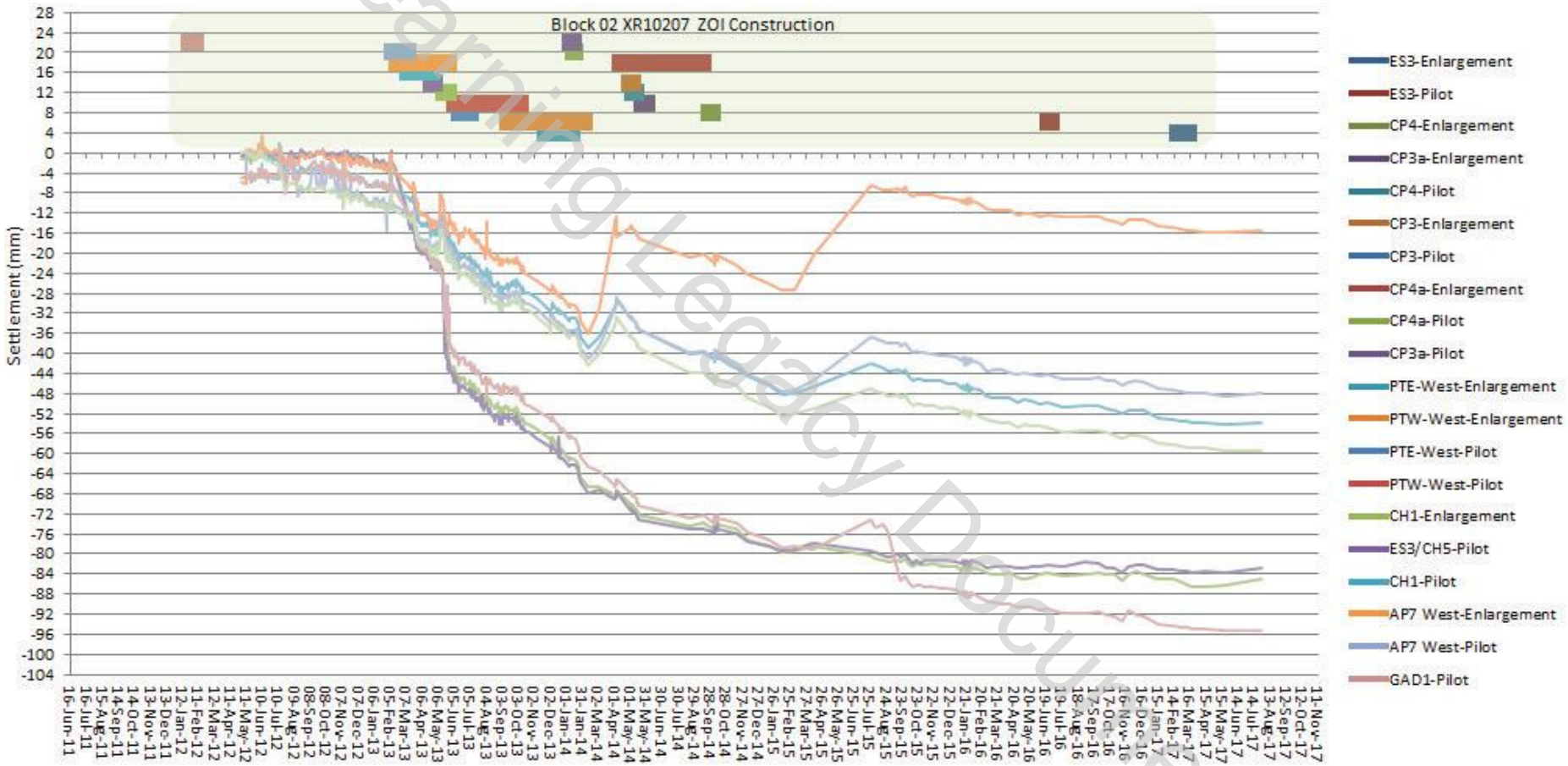
Graph 3 - Block 02 All Road Studs (LP) Manual Monitoring History in Relation to Construction



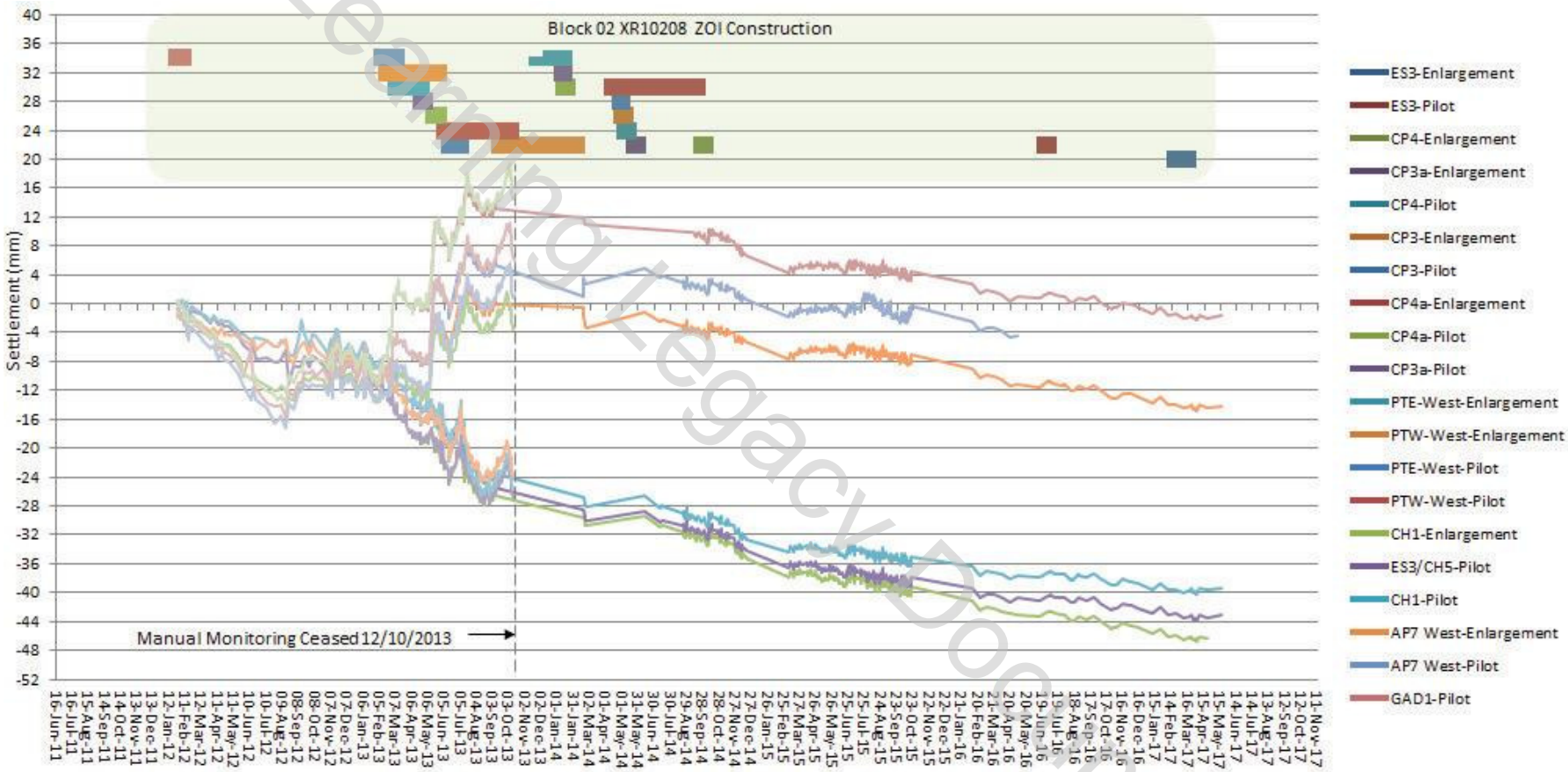
Graph 4 - All Block 02 3d Geodetic Prisms (RP) Automated Monitoring History in Relation to Construction



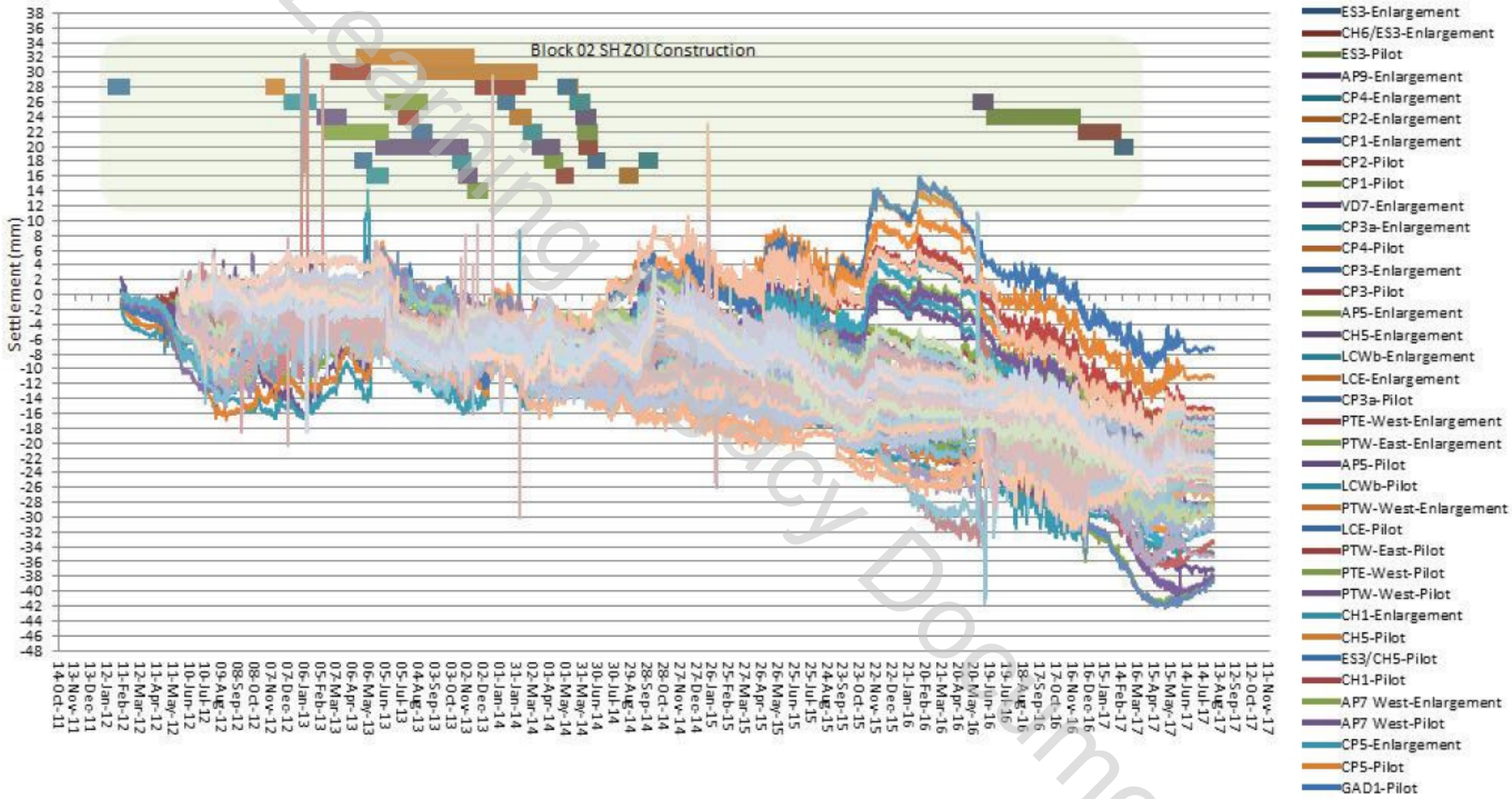
Graph 5 – Block 02 Extensometer (XR10207) Manual Monitoring History in Relation to Construction



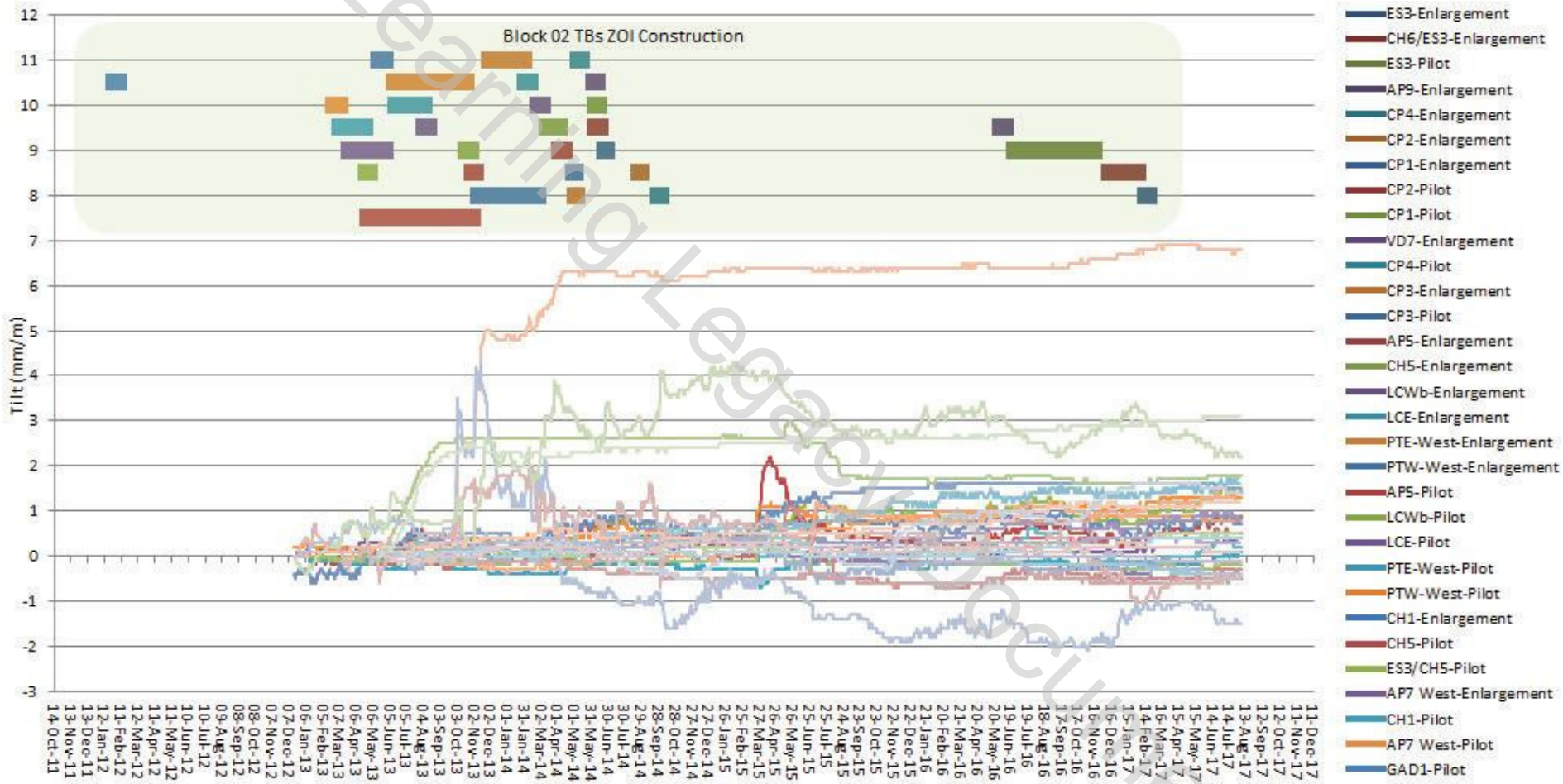
Graph 6 – Block 02 Extensometer (XR10208) Automated and Manual Monitoring History in Relation to Construction



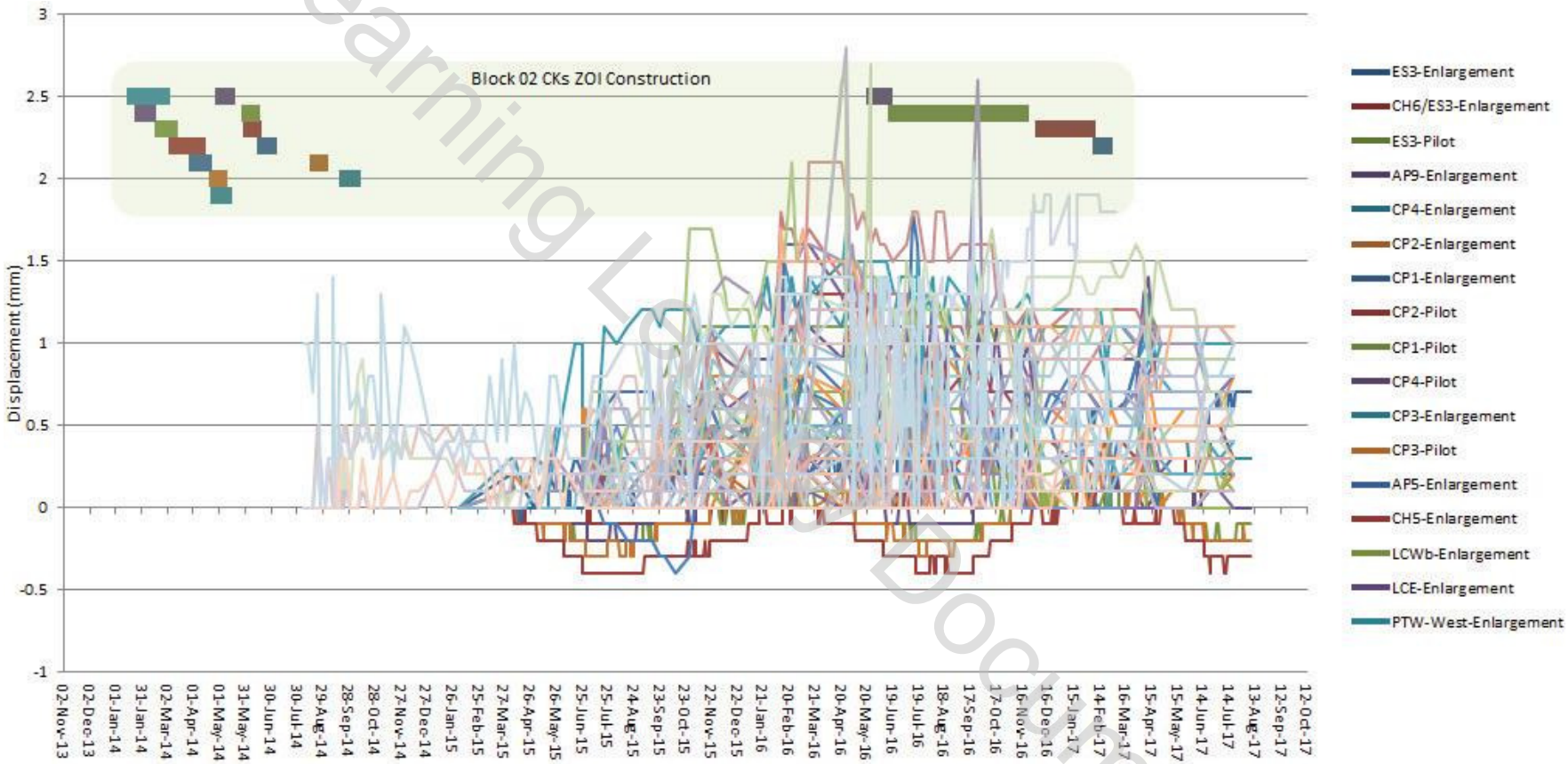
Graph 7 – All Block 02 Water Cells (SH) Automated Monitoring History in Relation to Construction



Graph 8 - All Block 02 Tiltmeters (TB) Automated Monitoring History in Relation to Construction



Graph 9 – All Block 02 Crack Monitors (CK) Manual Monitoring History in Relation to Construction



Note: Calculated crack monitor values (Z) provided are the hypotenuse of the measured X and Y movement, i.e. $Z^2 = (X^2 + Y^2)$

Figure 5 - BRE & LC Monitoring Sensor Settlement Status and Location Plan

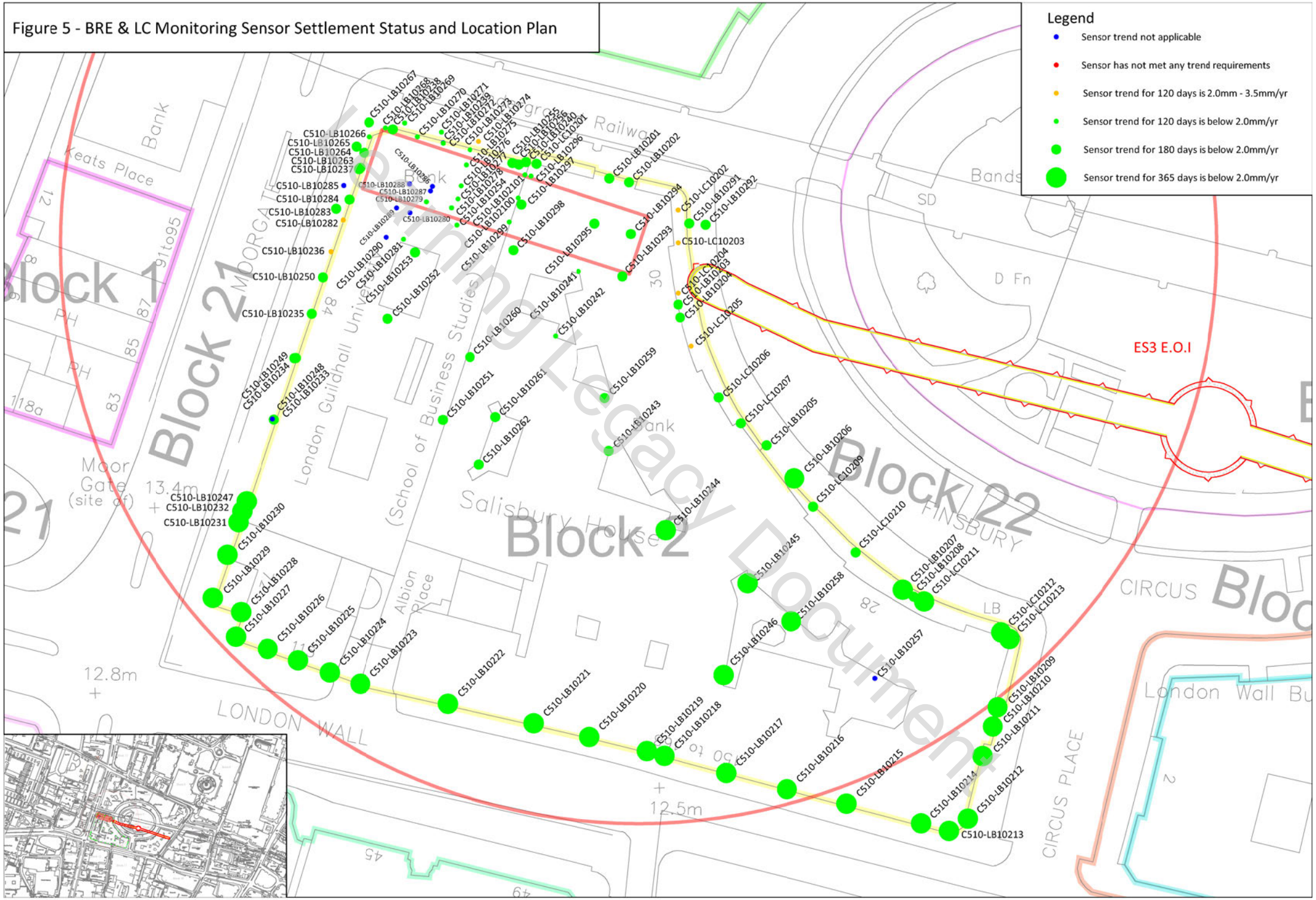


Figure 6 - LP Monitoring Sensor Settlement Status and Location Plan

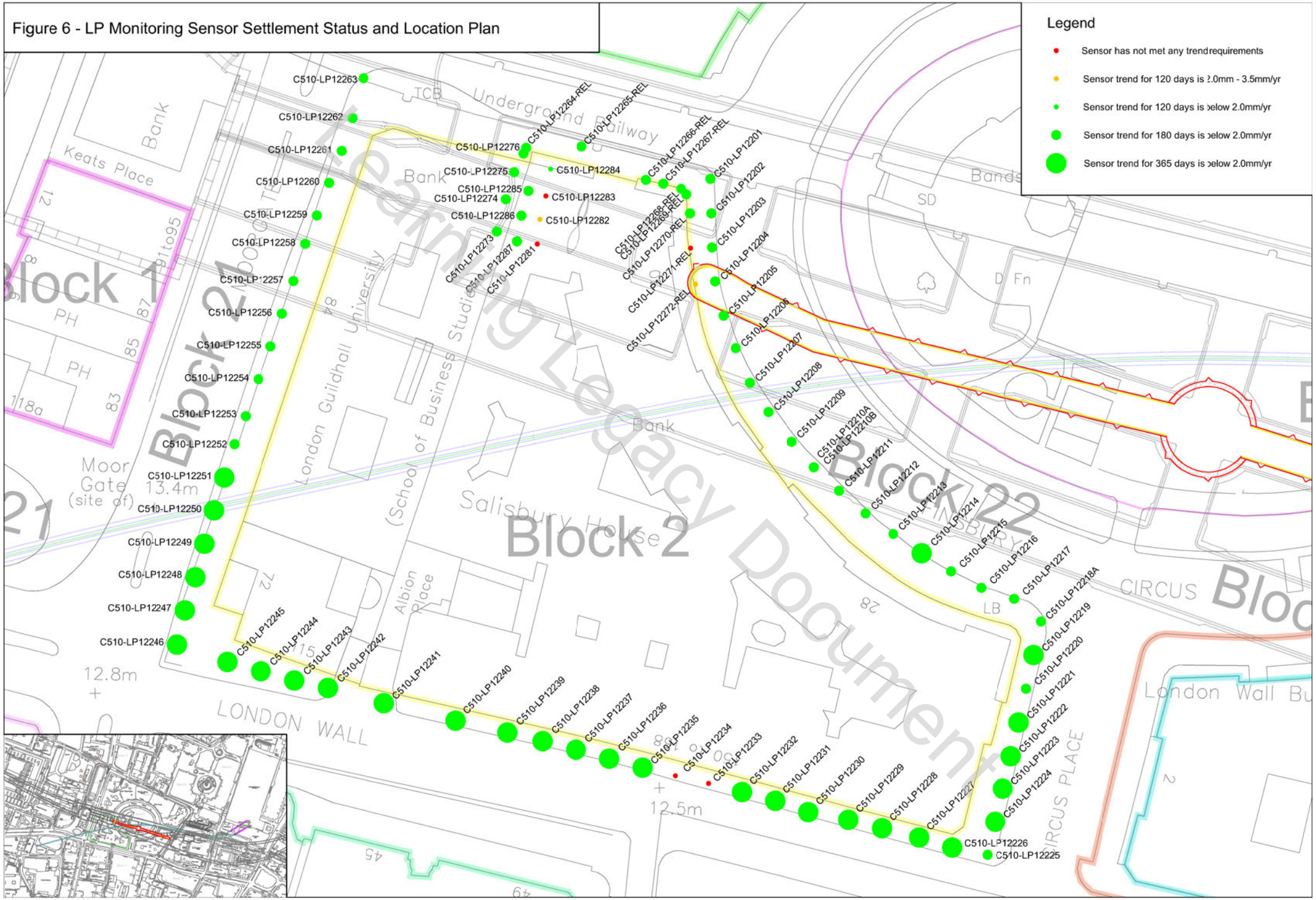


Figure 7 - RP Monitoring Sensor Settlement Status and Location Plan

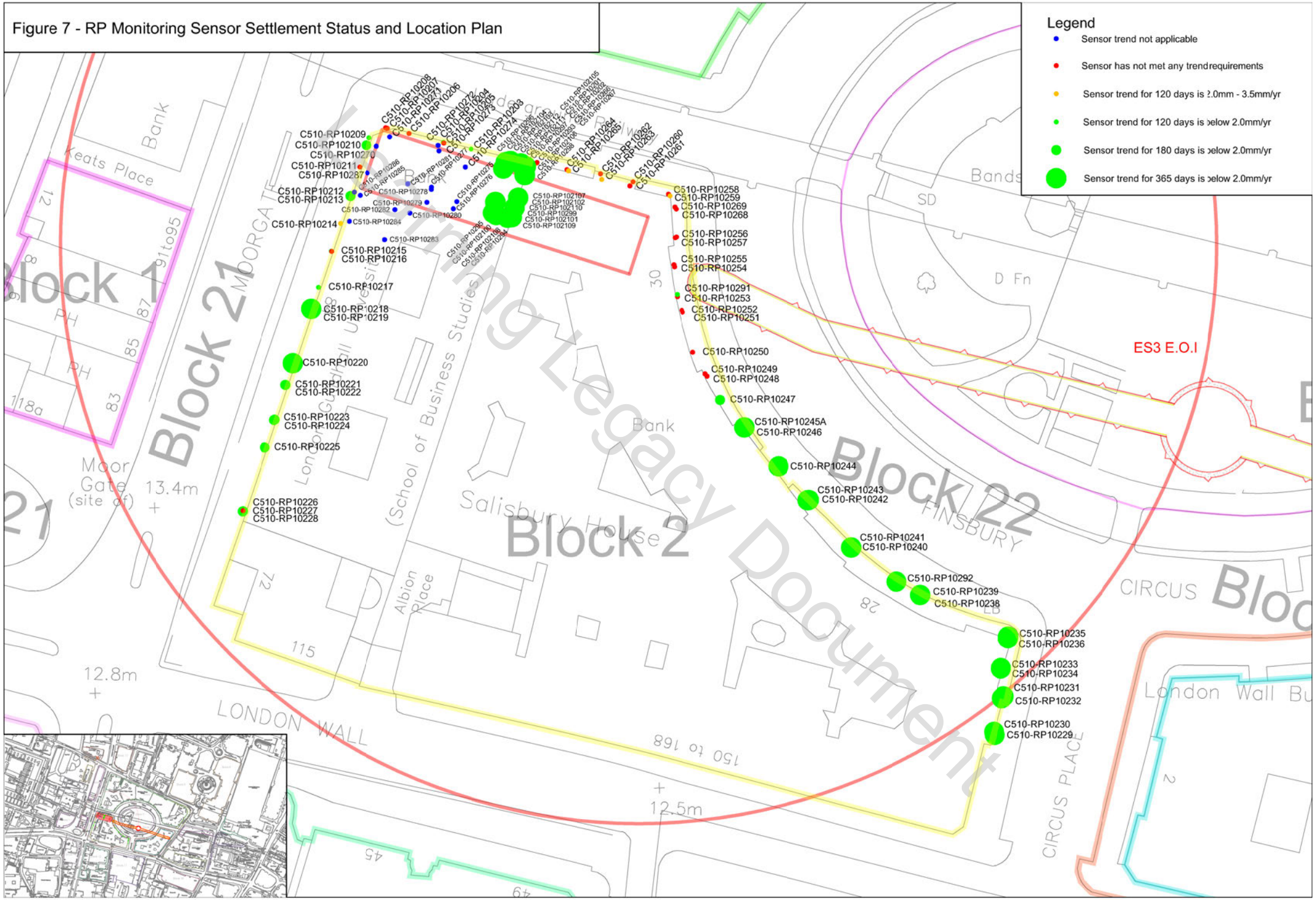


Figure 8 - XR & IM Monitoring Sensor Settlement Status and Location Plan

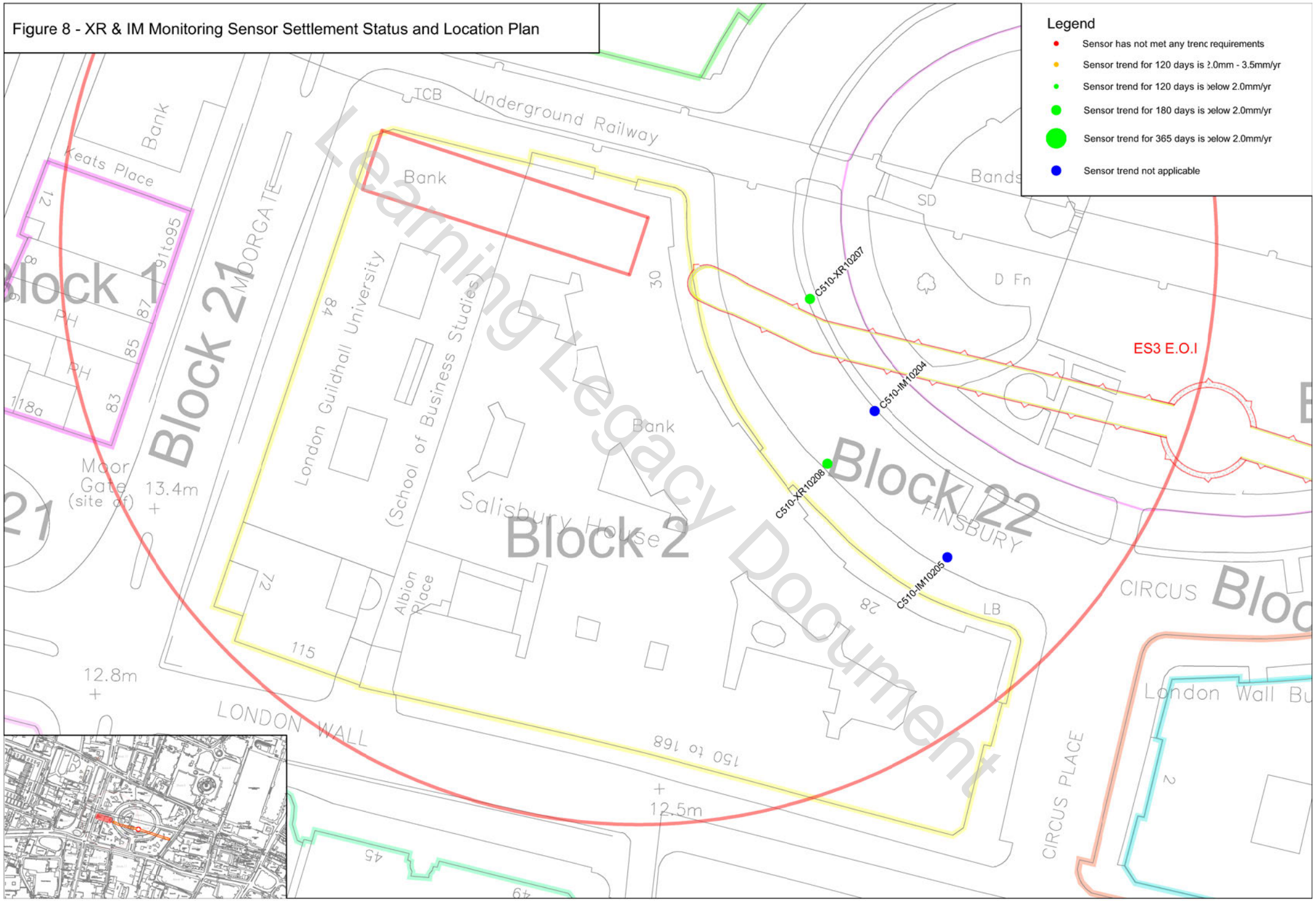


Figure 9 - SH Monitoring Sensor Settlement Status and Location Plan

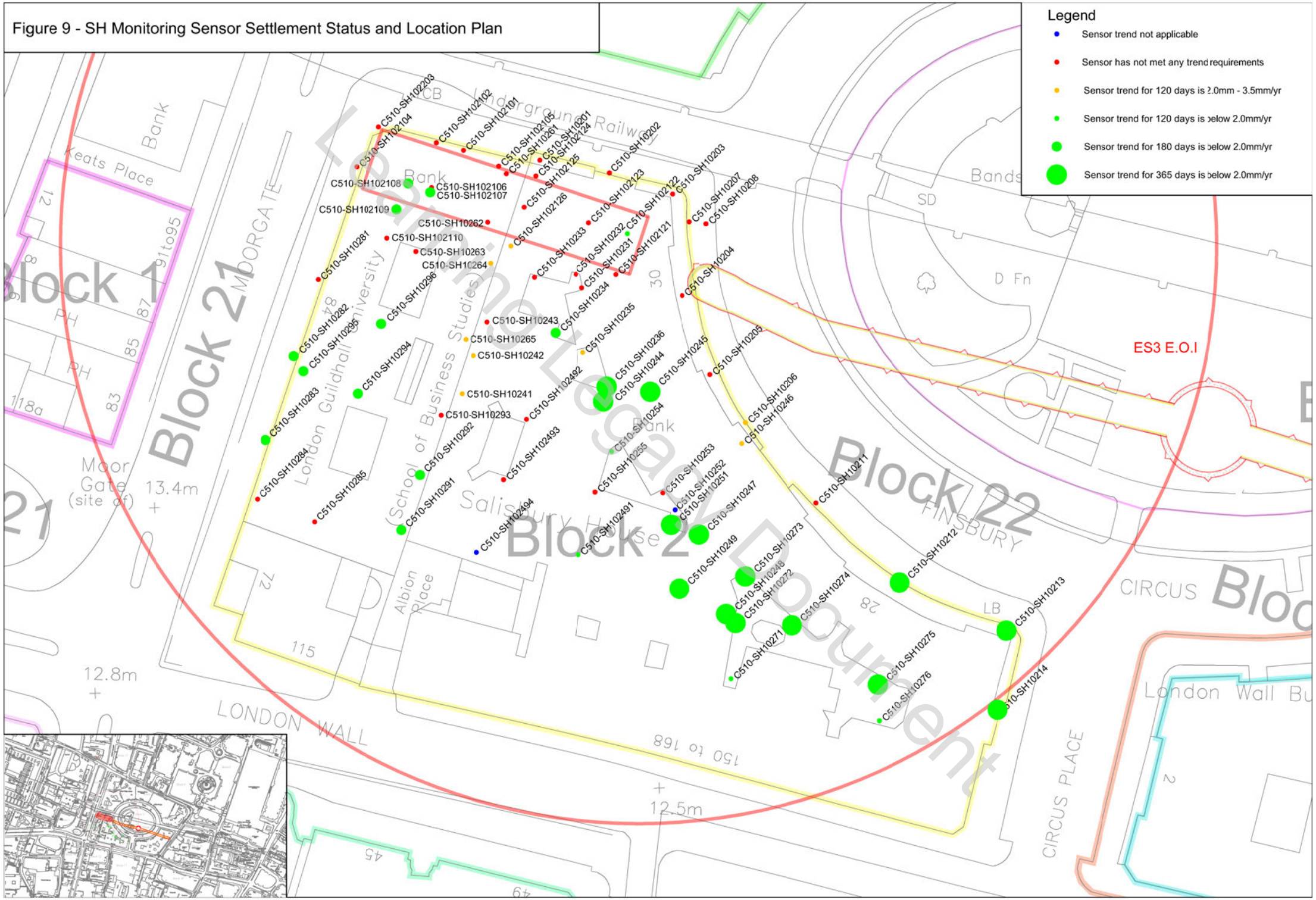
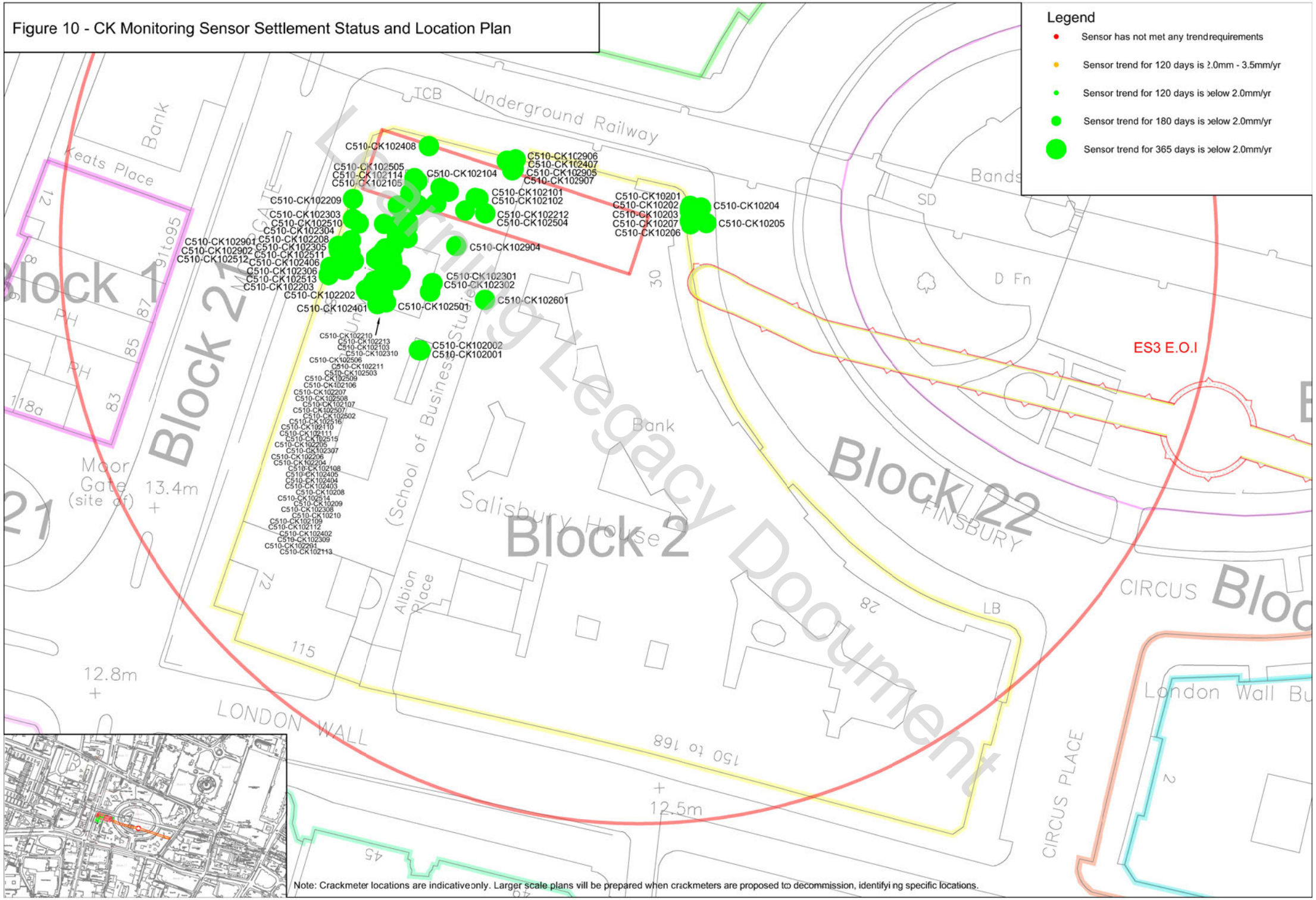


Figure 10 - CK Monitoring Sensor Settlement Status and Location Plan



Note: Crackmeter locations are indicative only. Larger scale plans will be prepared when crackmeters are proposed to decommission, identifying specific locations.

Figure 11 - TB Monitoring Sensor Settlement Status and Location Plan