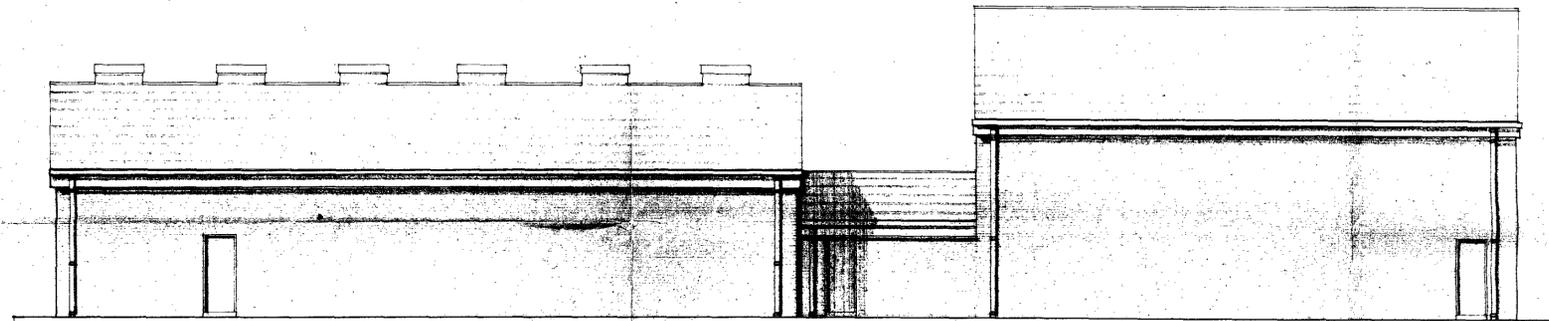




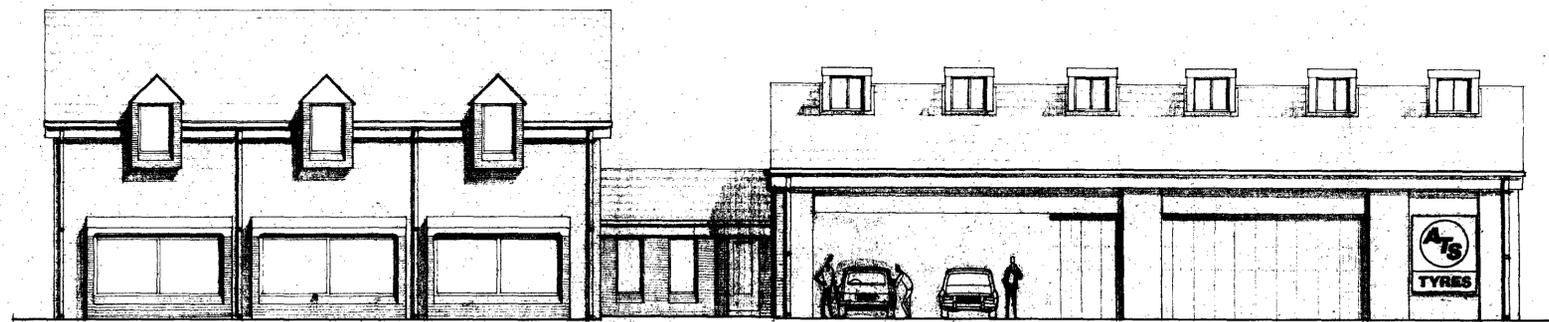
APPENDIX E EXISTING AND PROPOSED STRUCTURES INCLUDING LOADING INFORMATION



South Elevation



East Elevation



West Elevation

NOTES

LONDON BOROUGH OF CAMDEN
TOWN AND COUNTRY PLANNING ACT 1990
18 OCT 1983
PLANS APPROVED
ON BEHALF OF THE COUNCIL

CTP/12/10/D/13899

REVISIONS

TITLE
ROYAL COLLEGE STREET
CAMDEN
LONDON
proposed new depot
for Associated Tyre
Specialists (Southern) Ltd
elevations

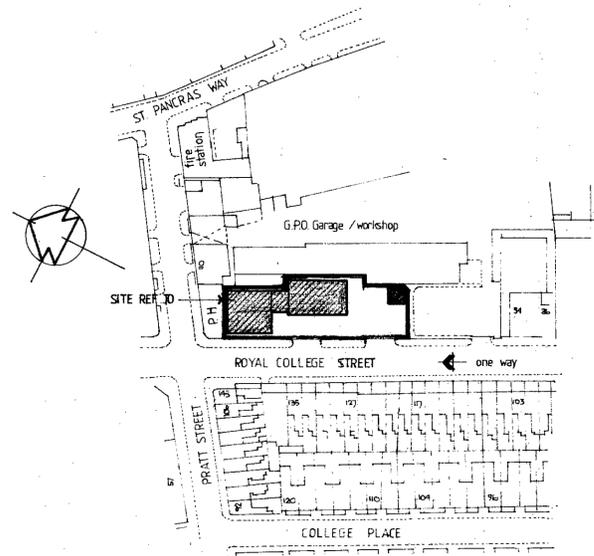


BUILDING DEPARTMENT
CLIFTON HOUSE UNION STREET
PENDLEBURY SWINTON
MANCHESTER M27 1DL
Telephone 061-793 6565

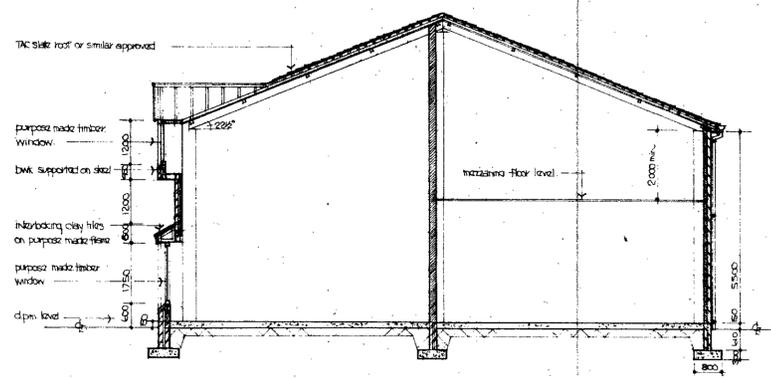
SCALE	1:100	DWG. No.	ATS.S83.276
DATE	4.4.83		
DRAWN BY	Alan Marsden		

NOTES

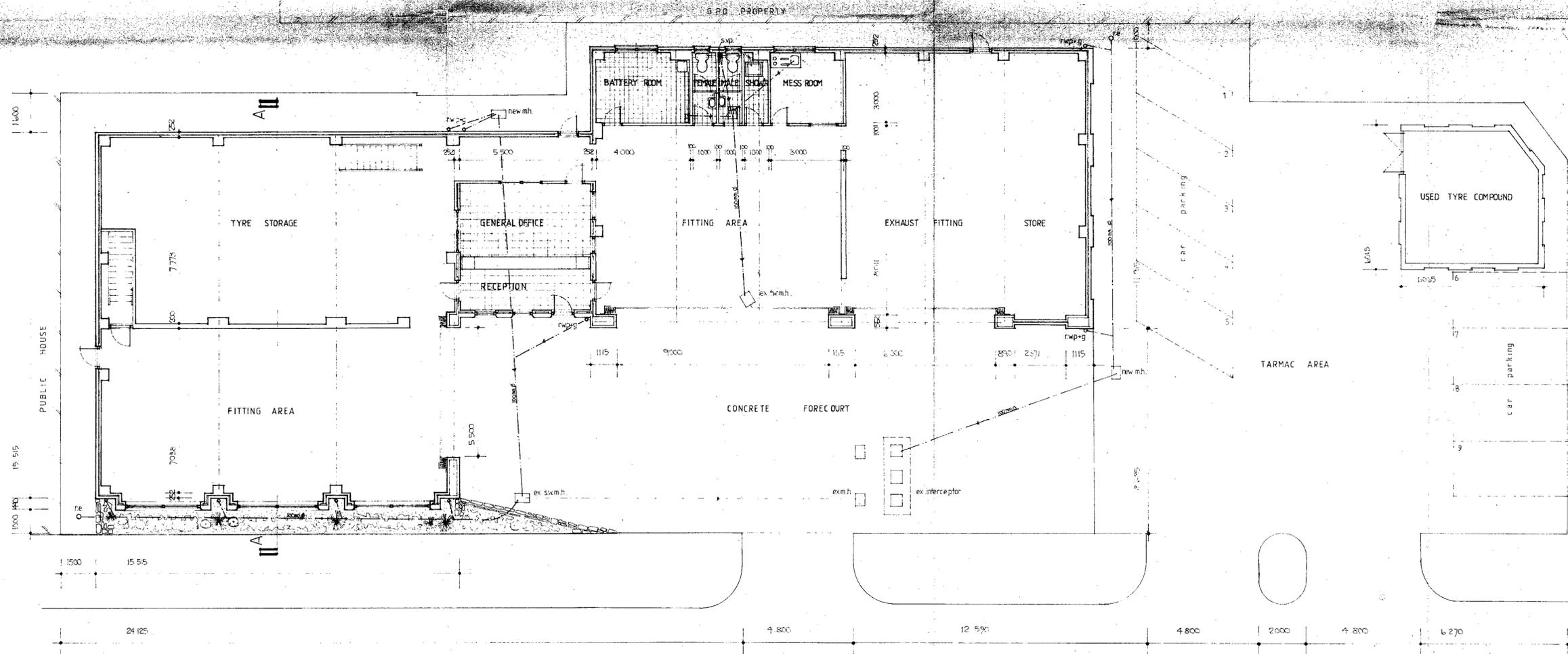
- EXTERNAL WALLS - all external walls constructed in cavity brick / block walling - all external brickwork to be to approval of Local Authority planning dept. prior to commencement of work.
- INTERNAL WALLS - unless otherwise specified all internal walls to be Class A cement concrete blockwork.
- STRUCTURAL - all structural steelwork and foundations to be designed by approved Consultant Structural Engineer. - all internal ground floors to be mesh reinforced concrete.
- ROOFS - all external roofs to be finished with TAC thurston slates or similar approved, colour to approval of Local Authority planning dept. prior to commencement of work.
- EXTERNAL WINDOWS / DOORS - all to be purpose made in softwood or in hardwood where specified and decorated to suit.
- INDUSTRIAL DOORS - sliding folding shutter doors in steel by Nordson Doors or similar approved manufactured to suit openings as shown.
- DRAINAGE - all new foul and storm water drains to connect to existing manholes situated on site in an approved manner to suit Building Regulation requirements. all drainage pipes to be in self-cleansing galvanneal with flexible joints and laid to falls of 1:40 or 1:60 to suit.
- USED TYRE COMPOUND - to be constructed in facing bricks to match those of main buildings to a height of 3.000m above g.l. - gates to be in close boarded timber.
- CROSS OVERS - to be constructed to suit requirements of Local Authority.



LOCATION PLAN



SECTION A.A



PLAN

LONDON BOROUGH OF CAMDEN
TOWN AND COUNTRY PLANNING ACTS
18 OCT 1983
PLANS APPROVED
ON BEHALF OF THE COUNCIL

CTP/12/10/D/3899

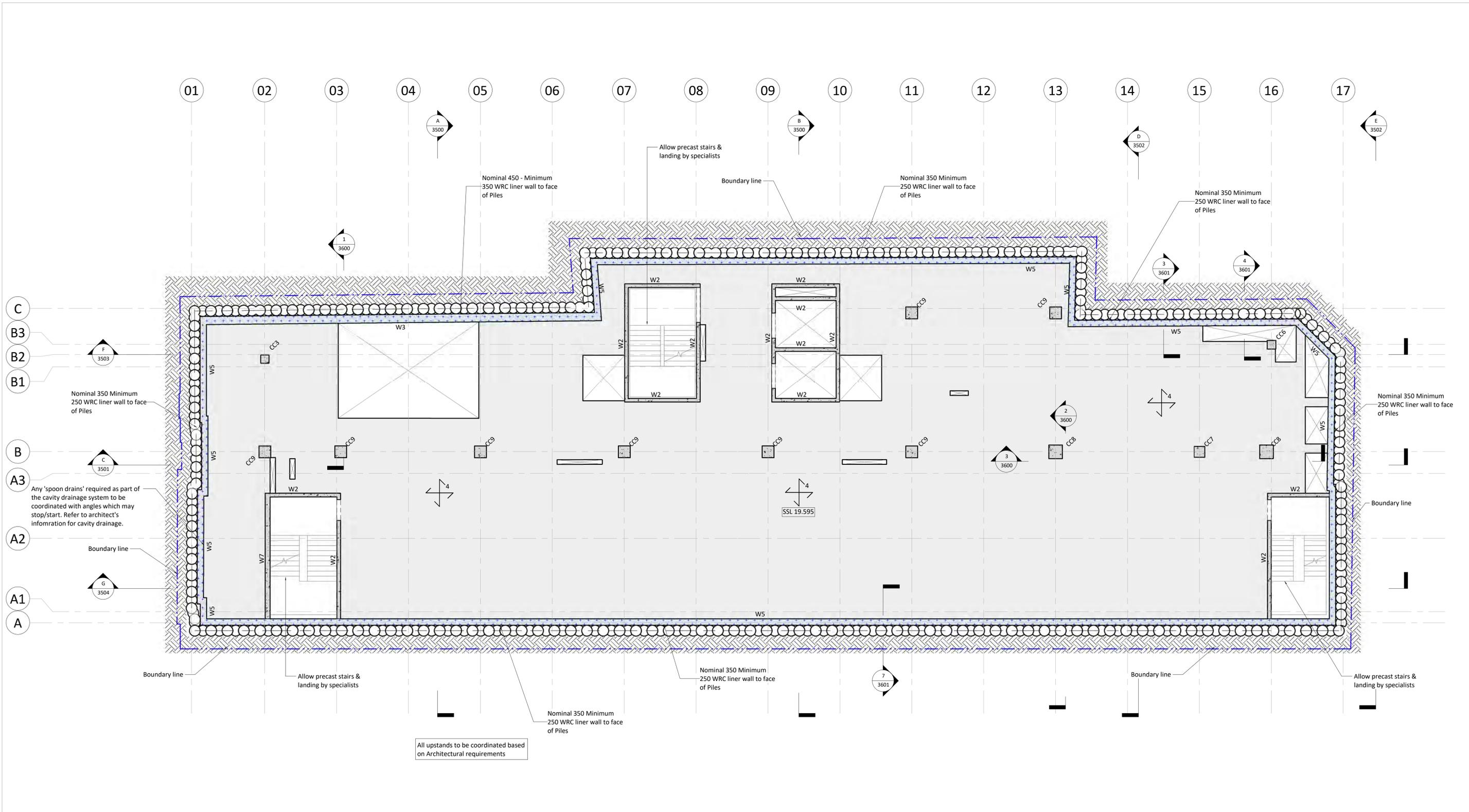
REVISIONS

A	18.8.83	Crossover altered to L.A. recommendations Section A.A. added. Specification added. Drainage added.
---	---------	---

TITLE
ROYAL COLLEGE STREET
CAMDEN
LONDON
proposed new depot
for Associated Tyre
Specialists (Sothern) Ltd
plans / sections

ATs
TYRES
BUILDING DEPARTMENT
CLIFTON HOUSE UNION STREET
PENDLEBURY SWINTON
MANCHESTER M27 1DL
Telephone 061-783 6566

SCALE	1:100 1:1250	OWG. No.	ATS. S83. 275 A
DATE	4.4.83	DRAWN BY	Alan Mans...



100mm @ A1 (50mm @ A3)

- This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
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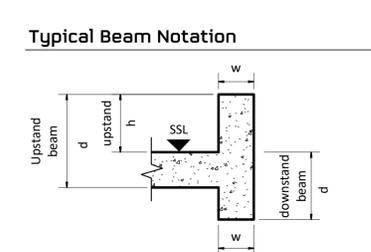
Column Schedule		
C1	114.3x6.3 CHS	CC3 450 x 450mm
C2	203x203x100 UC	CC4 425 x 425mm
C3	152x152x23 UC	CC5 350 x 350mm
C4	152x152x37 UC	CC6 475 x 475mm
C5	254x254x89 UC	CC7 600 x 600mm
C6	203x203x46 UC	CC8 750 x 750mm
CC2	550 x 550mm	CC9 650 x 650mm

Beam Schedule		
B1	152x89x16 UB	B11 254x254x73 UC
B3	457x191x106 UB	B12 203x203x71 UC
B4	203x203x52 UC	BR1 PFC125x65x15
B5	180x90x26 PFC	BR2 150x90x24 PFC
B6	300x90x41 PFC	BR3 200x90x30 PFC
B8	203x203x46 UC	CB1 200wd x 400dp
B9	152x152x37 UC	CB2 250 x 500dp
B10	203x133x25 UB	CB3 500wd x 500dp

Floor Schedule		
1	850 thk slab - (300 WRC + 550 RC)	
2	350 thk WRC slab	
3	500 thk RC slab	
4	350 thk RC slab	
5	300 thk RC slab	
6	250 thk RC slab	
7	220 thk RC slab	
8	130 thk profiled slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H12 bar per trough	

Wall Schedule		
Ref	Thk	Type
W1	300	WRC
W2	200	RC
W3	450	WRC
W4	250	RC
W5	350	WRC
W6	175	RC
W7	270	RC

Legend	
	Proposed RC structure
	Proposed WRC structure
	Proposed Steel Framing
	Red dimension TBC by architect
	ST Connection Strengthening
	M Moment connection
	B1 [25mm] Pre-camber
	C Crank
	S Splice
	TB Thermal Break
	BR Break in beam



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hts.uk.com

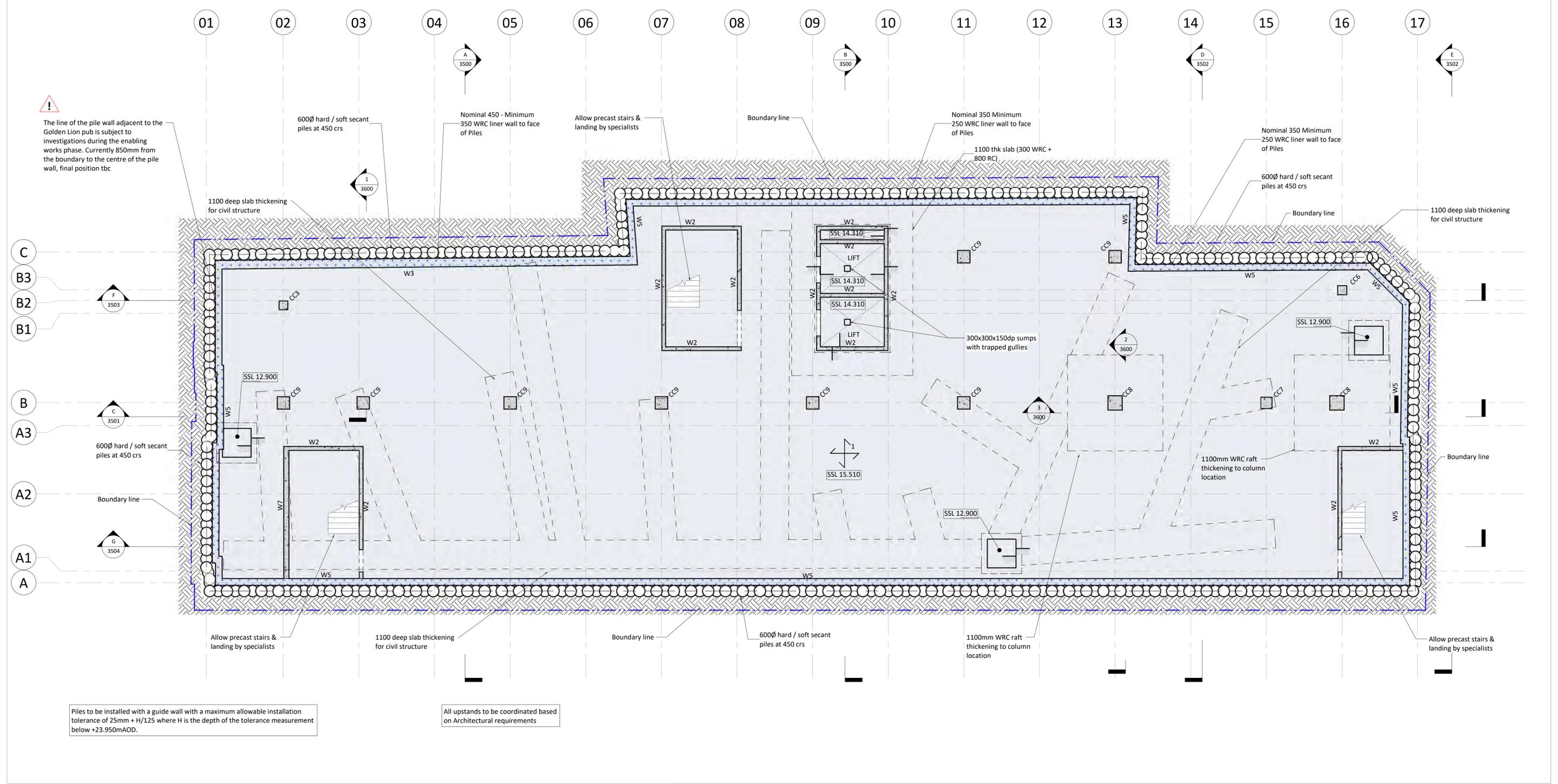
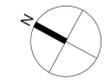
Job Name
60-86 Royal College Street

Drawing Title
Proposed Lower Mezzanine Floor Plan

Purpose of Issue **TENDER** Scale at A1 **1 : 100**

Rev	Date	By	Eng	Amendments
T1	27.11.20	IB	JMO	Tender Issue

Drng No **2222-HTS-XX-B1-DR-S-3090**



Piles to be installed with a guide wall with a maximum allowable installation tolerance of 25mm + H/125 where H is the depth of the tolerance measurement below +23.950mAOD.

All upstands to be coordinated based on Architectural requirements

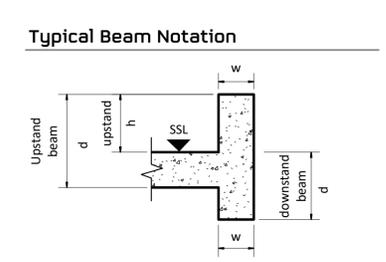
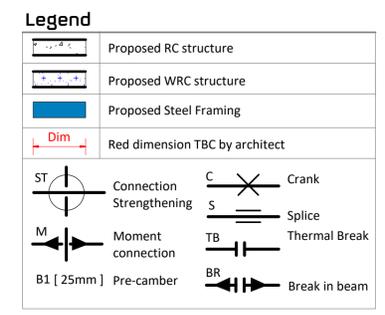
- 100mm @ A1 (50mm @ A3)
- This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
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Column Schedule		
C1	114.3x6.3 CHS	CC3 450 x 450mm
C2	203x203x100 UC	CC4 425 x 425mm
C3	152x152x23 UC	CC5 350 x 350mm
C4	152x152x37 UC	CC6 475 x 475mm
C5	254x254x89 UC	CC7 600 x 600mm
C6	203x203x46 UC	CC8 750 x 750mm
CC2	550 x 550mm	CC9 650 x 650mm

Beam Schedule		
B1	152x89x16 UB	B11 254x254x73 UC
B3	457x191x106 UB	B12 203x203x71 UC
B4	203x203x52 UC	BR1 PFC125x65x15
B5	180x90x26 PFC	BR2 150x90x24 PFC
B6	300x90x41 PFC	BR3 200x90x30 PFC
B8	203x203x46 UC	CB1 200wd x 400dp
B9	152x152x37 UC	CB2 250 x 500dp
B10	203x133x25 UB	CB3 500wd x 500dp

Floor Schedule		
1	850 thk slab - (300 WRC + 550 RC)	
2	350 thk WRC slab	
3	500 thk RC slab	
4	350 thk RC slab	
5	300 thk RC slab	
6	250 thk RC slab	
7	220 thk RC slab	
8	130 thk profiled slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H12 bar per trough	

Wall Schedule		
Ref	Thk	Type
W1	300	WRC
W2	200	RC
W3	450	WRC
W4	250	RC
Ref	Thk	Type
W5	350	WRC
W6	175	RC
W7	270	RC



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Job Name
60-86 Royal College Street

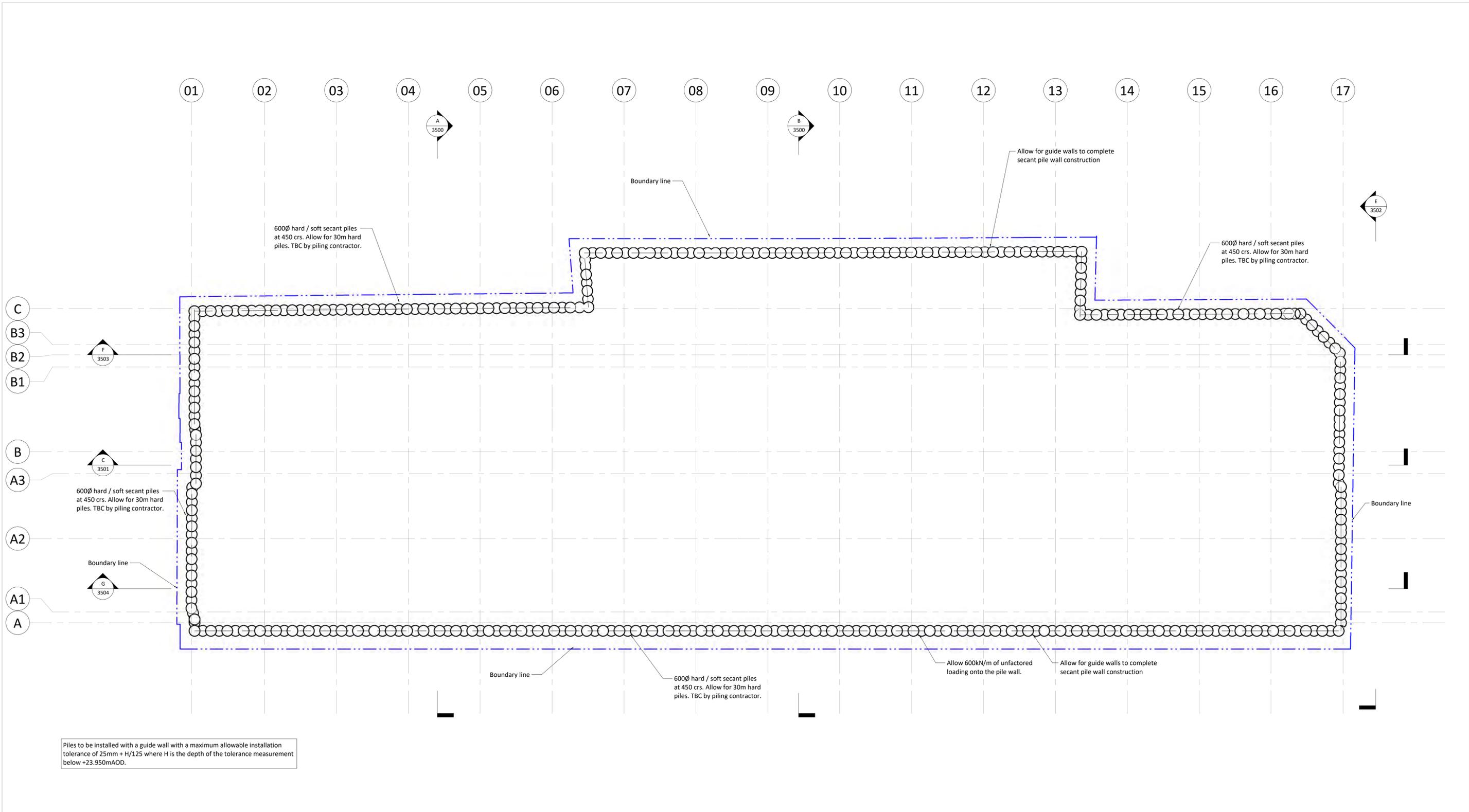
Drawing Title
Proposed Lower Ground Floor Plan

Rev	Date	By	Eng	Amendments
T1	27.11.20	IB	JMO	Tender Issue

Purpose of Issue **TENDER** Scale at A1 **1 : 100**

Drng No **2222-HTS-XX-B2-DR-S-3080**

Rev **T1**



Piles to be installed with a guide wall with a maximum allowable installation tolerance of 25mm + H/125 where H is the depth of the tolerance measurement below +23.950mAOD.

100mm @ A1 (50mm @ A3)

- This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
- Do not scale from this drawing in either paper or digital form. Use written dimensions only. To check drawing has been printed to the intended scale the above bar should be 100mm
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Column Schedule

C1	114.3x6.3 CHS	CC3	450 x 450mm
C2	203x203x100 UC	CC4	425 x 425mm
C3	152x152x23 UC	CC5	350 x 350mm
C4	152x152x37 UC	CC6	475 x 475mm
C5	254x254x89 UC	CC7	600 x 600mm
C6	203x203x46 UC	CC8	750 x 750mm
CC2	550 x 550mm	CC9	650 x 650mm

Beam Schedule

B1	152x89x16 UB	B11	254x254x73 UC
B3	457x191x106 UB	B12	203x203x71 UC
B4	203x203x52 UC	BR1	PFC125x65x15
B5	180x90x26 PFC	BR2	150x90x24 PFC
B6	300x90x41 PFC	BR3	200x90x30 PFC
B8	203x203x46 UC	CB1	200wd x 400dp
B9	152x152x37 UC	CB2	250 x 500dp
B10	203x133x25 UB	CB3	500wd x 500dp

Floor Schedule

Concrete Floor	Profiled deck	Timber Floor
1	850 thk slab - (300 WRC + 550 RC)	
2	350 thk WRC slab	
3	500 thk RC slab	
4	350 thk RC slab	
5	300 thk RC slab	
6	250 thk RC slab	
7	220 thk RC slab	
8	130 thk profiled slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H12 bar per trough	

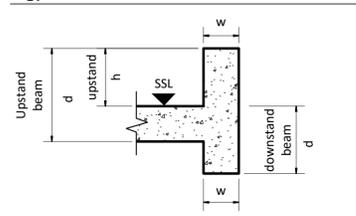
Wall Schedule

Ref	Thk	Type	Ref	Thk	Type
W1	300	WRC	W5	350	WRC
W2	200	RC	W6	175	RC
W3	450	WRC	W7	270	RC
W4	250	RC			

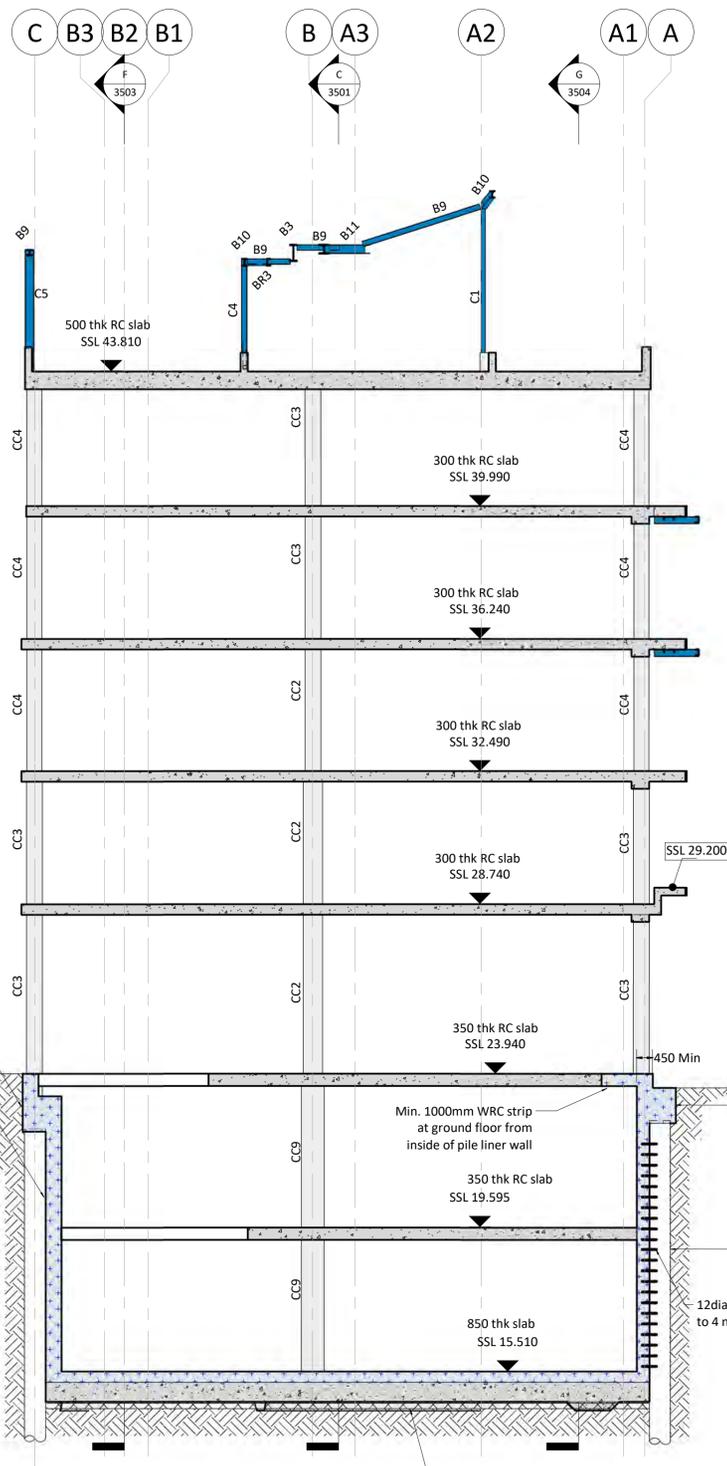
Legend

	Proposed RC structure		Crank
	Proposed WRC structure		Splice
	Proposed Steel Framing		Thermal Break
	Red dimension TBC by architect		Break in beam
	ST Connection Strengthening		
	Moment connection		
	B1 [25mm] Pre-camber		

Typical Beam Notation

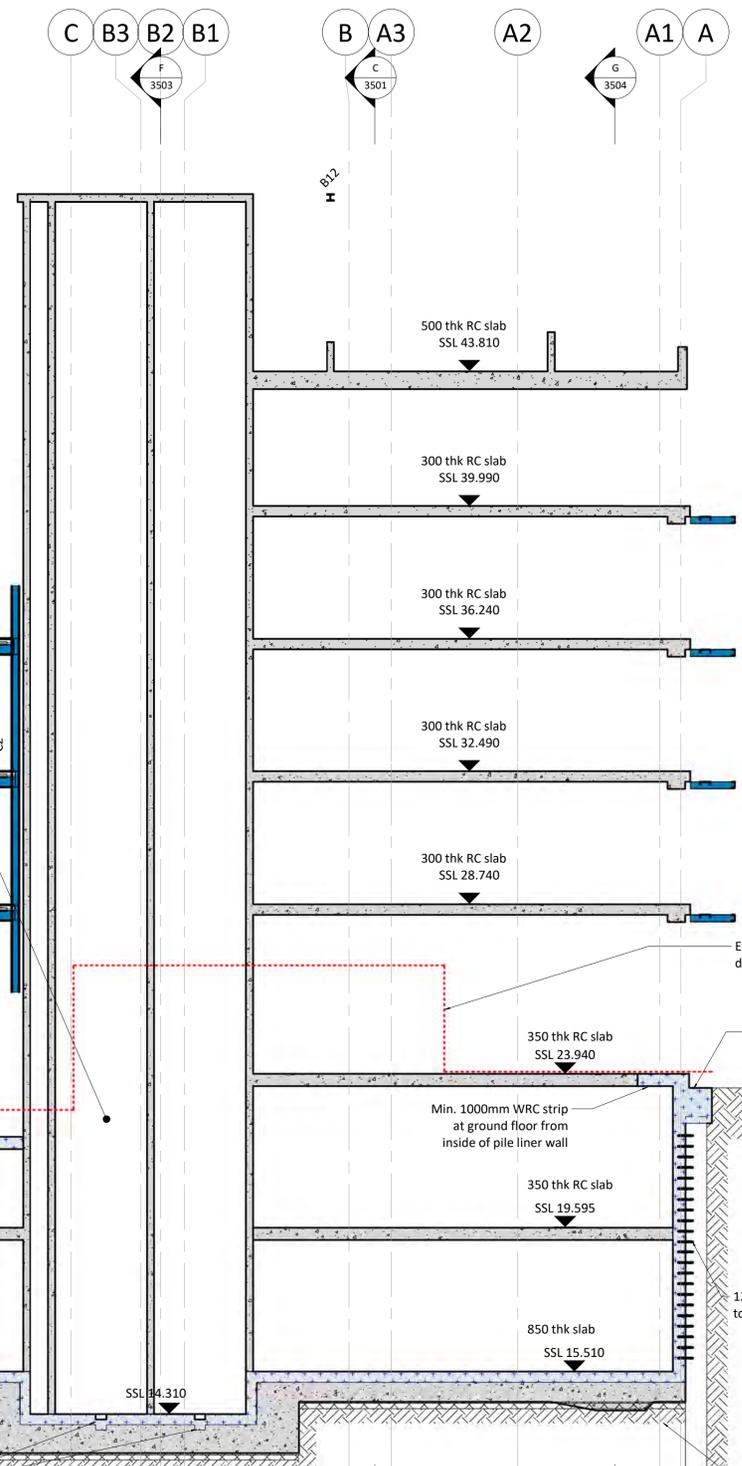


Rev	Date	By	Eng	Amendments
T1	27.11.20	IB	JMO	Tender Issue



DWG 3070
Section A-A
1 : 100

Note that site investigations suggest a thick layer of made ground including thick concrete sections which will need to be removed. Possible contamination to made ground



DWG 3070
Section B-B
1 : 100

- 100mm @ A1 (50mm @ A3)
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Column Schedule			
C1	114.3x6.3 CHS	CC3	450 x 450mm
C2	203x203x100 UC	CC4	425 x 425mm
C3	152x152x23 UC	CC5	350 x 350mm
C4	152x152x37 UC	CC6	475 x 475mm
C5	254x254x89 UC	CC7	600 x 600mm
C6	203x203x46 UC	CC8	750 x 750mm
CC2	550 x 550mm	CC9	650 x 650mm

Beam Schedule			
B1	152x89x16 UB	B11	254x254x73 UC
B3	457x191x106 UB	B12	203x203x71 UC
B4	203x203x52 UC	BR1	PFC125x65x15
B5	180x90x26 PFC	BR2	150x90x24 PFC
B6	300x90x41 PFC	BR3	200x90x30 PFC
B8	203x203x46 UC	CB1	200wd x 400dp
B9	152x152x37 UC	CB2	250 x 500dp
B10	203x133x25 UB	CB3	500wd x 500dp

Floor Schedule			
1	850 thk slab - (300 WRC + 550 RC)		
2	350 thk WRC slab		
3	500 thk RC slab		
4	350 thk RC slab		
5	300 thk RC slab		
6	250 thk RC slab		
7	220 thk RC slab		
8	130 thk profiled slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H12 bar per trough		

Wall Schedule			
Ref	Thk	Type	Type
W1	300	WRC	W5 350 WRC
W2	200	RC	W6 175 RC
W3	450	WRC	W7 270 RC
W4	250	RC	

Legend

- Proposed RC structure
- Proposed WRC structure
- Proposed Steel Framing
- Red dimension TBC by architect

ST Connection Strengthening

M Moment connection

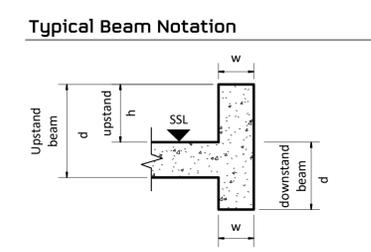
B1 [25mm] Pre-camber

C Crank

S Splice

TB Thermal Break

BR Break in beam



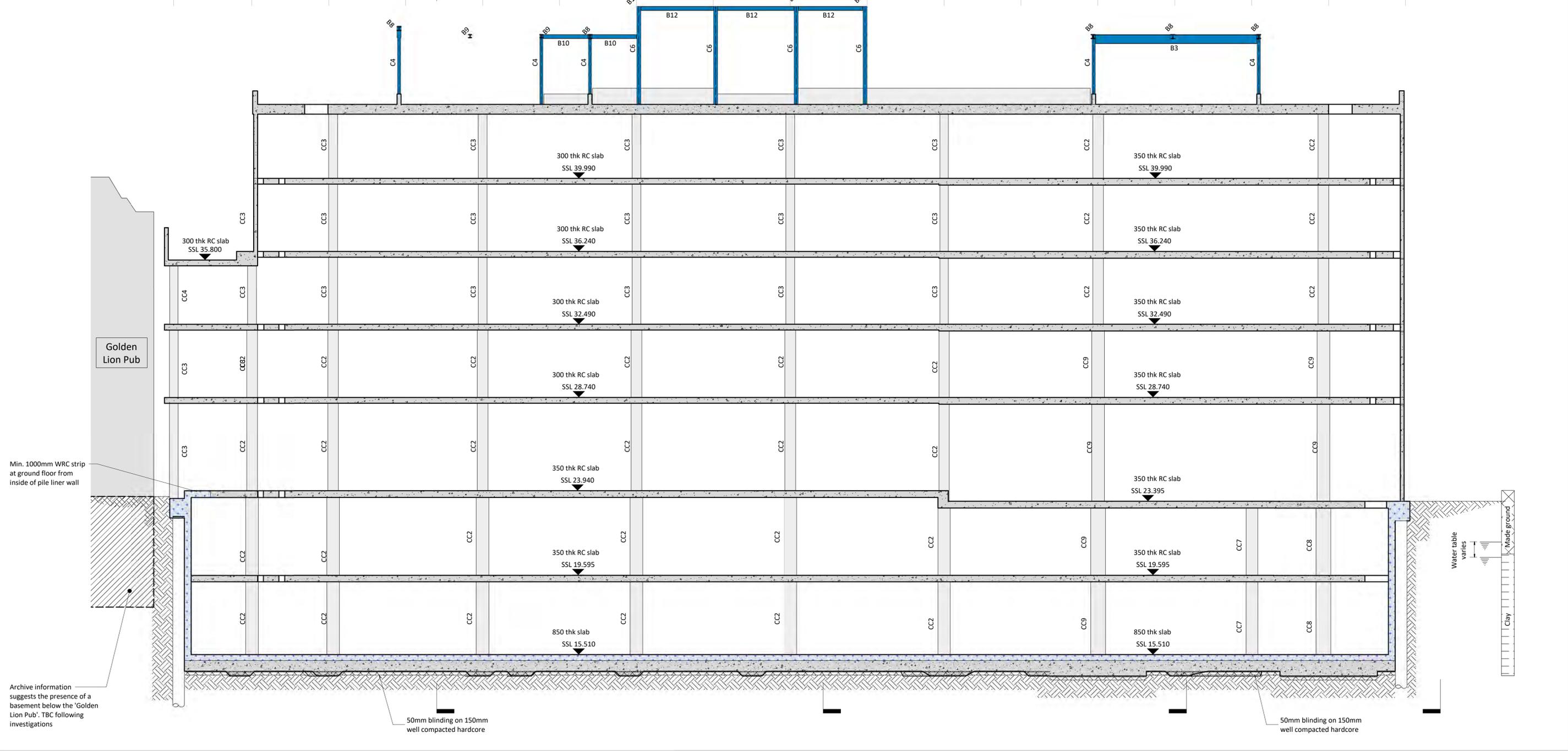
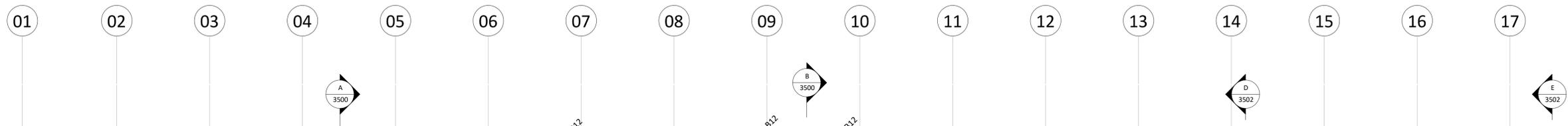
Job Name
60-86 Royal College Street

Drawing Title
Proposed Building Sections A-A and B-B

Purpose of Issue **TENDER** Scale at A1 **1 : 100**

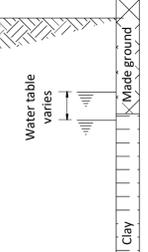
T1	27.11.20	IB	JMO	Tender Issue
Rev	Date	By	Eng	Amendments

Drg No **2222-HTS-XX-ZZ-DR-S-3500**



Min. 1000mm WRC strip at ground floor from inside of pile liner wall

Archive information suggests the presence of a basement below the 'Golden Lion Pub'. TBC following investigations



100mm @ A1 (50mm @ A3)

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Column Schedule		
C1	114.3x6.3 CHS	CC3 450 x 450mm
C2	203x203x100 UC	CC4 425 x 425mm
C3	152x152x23 UC	CC5 350 x 350mm
C4	152x152x37 UC	CC6 475 x 475mm
C5	254x254x89 UC	CC7 600 x 600mm
C6	203x203x46 UC	CC8 750 x 750mm
CC2	550 x 550mm	CC9 650 x 650mm

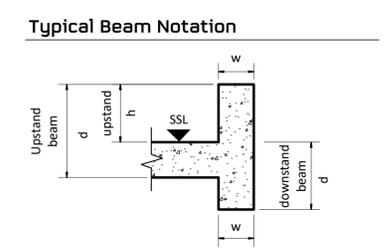
Beam Schedule		
B1	152x89x16 UB	B11 254x254x73 UC
B3	457x191x106 UB	B12 203x203x71 UC
B4	203x203x52 UC	BR1 PFC125x65x15
B5	180x90x26 PFC	BR2 150x90x24 PFC
B6	300x90x41 PFC	BR3 200x90x30 PFC
B8	203x203x46 UC	CB1 200wd x 400dp
B9	152x152x37 UC	CB2 250 x 500dp
B10	203x133x25 UB	CB3 500wd x 500dp

Floor Schedule		
1	850 thk slab - (300 WRC + 550 RC)	
2	350 thk WRC slab	
3	500 thk RC slab	
4	350 thk RC slab	
5	300 thk RC slab	
6	250 thk RC slab	
7	220 thk RC slab	
8	130 thk profiled slab on TATA Comflor 60 1.0 mm gauge deck with A193 mesh top and 1 no. H12 bar per trough	

Wall Schedule		
Ref	Thk	Type
W1	300	WRC
W2	200	RC
W3	450	WRC
W4	250	RC
Ref	Thk	Type
W5	350	WRC
W6	175	RC
W7	270	RC

Legend

- Proposed RC structure
- Proposed WRC structure
- Proposed Steel Framing
- Red dimension TBC by architect
- ST Connection Strengthening
- M Moment connection
- B1 [25mm] Pre-camber
- C Crank
- S Splice
- TB Thermal Break
- BR Break in beam



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Job Name
60-86 Royal College Street

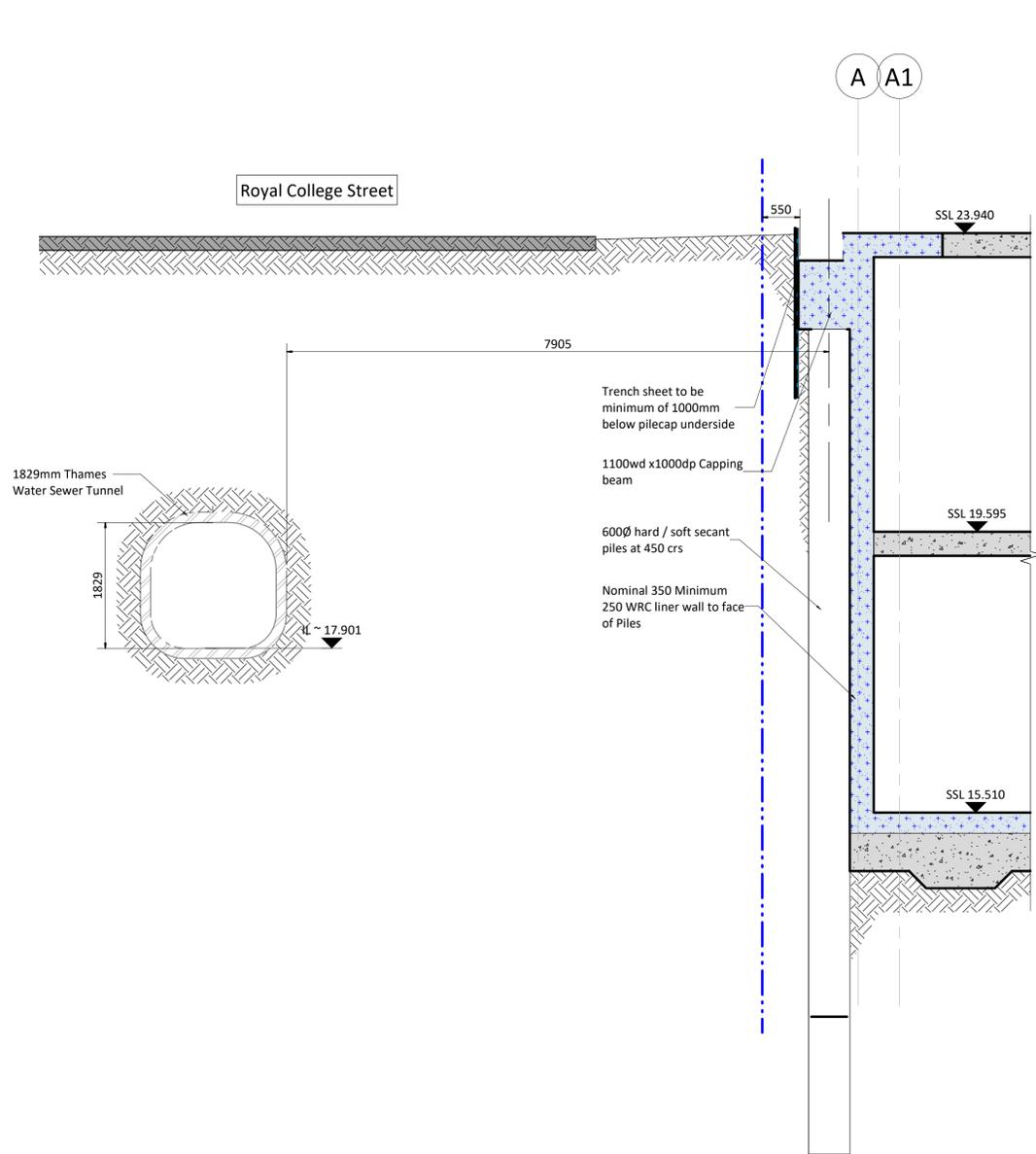
Drawing Title
Proposed Building Section C-C

Purpose of Issue **TENDER** Scale at A1 **1 : 100**

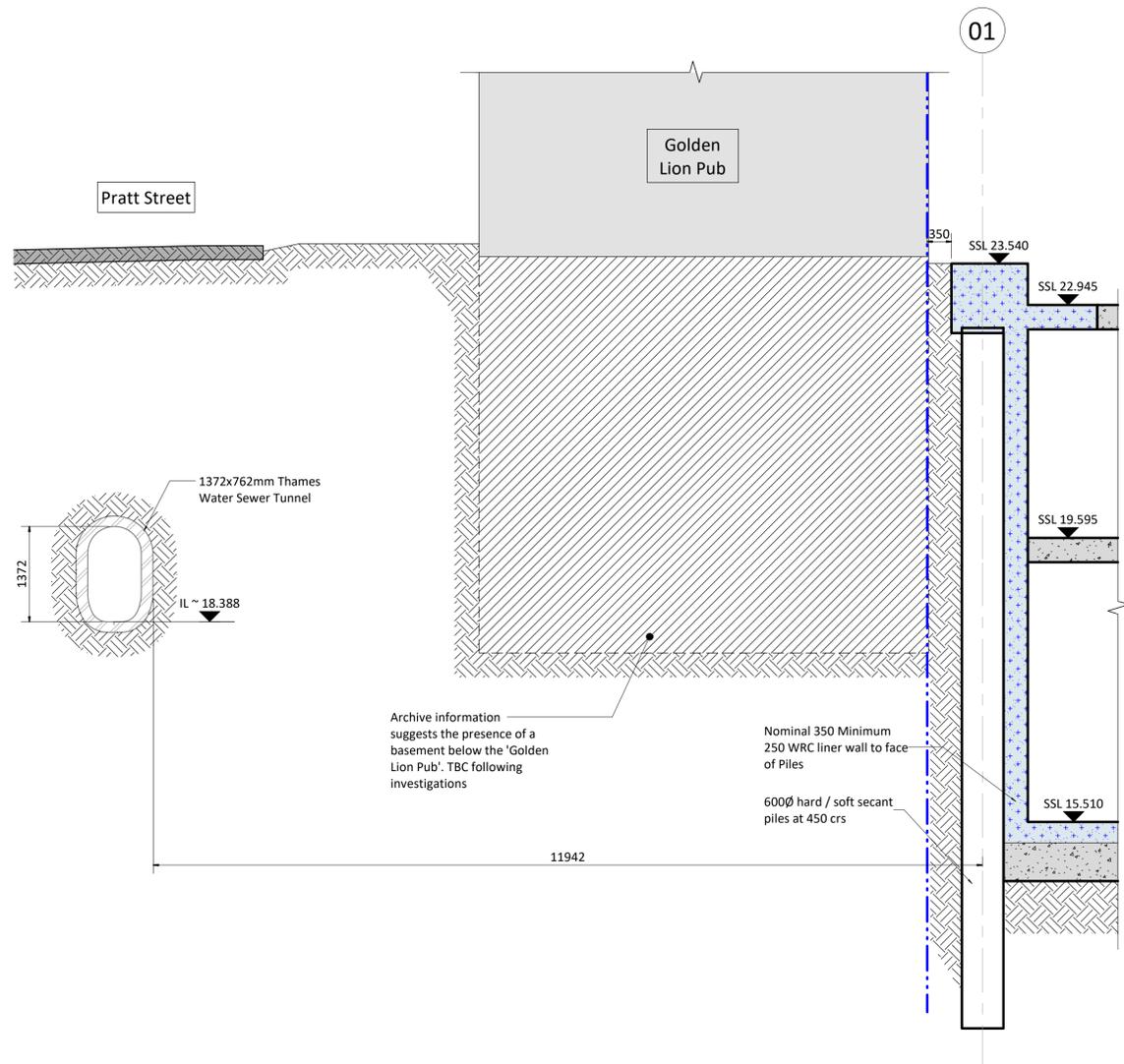
Rev	Date	By	Eng	Amendments
T1	27.11.20	IB	JMO	Tender Issue

Drg No **2222-HTS-XX-ZZ-DR-S-3501**

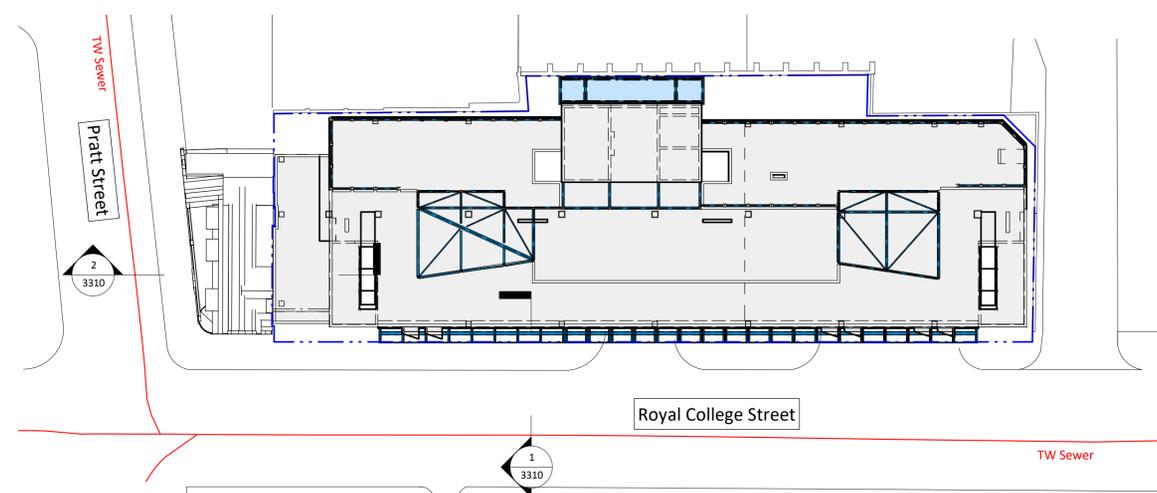
- 1 This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
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DWG 3070 **Section 1 through TW Sewer**
1 : 50



DWG 3070 **Section 2 through TW Sewer**
1 : 50



Keyplan
1 : 300

Rev	Date	By	Eng	Amendments
P1	11.02.21	MT	JMO	Preliminary Issue

HEYNE TILLET STEEL STRUCTURAL ENGINEERS
hts.uk.com

Job Name
60-86 Royal College Street

Drawing Title
Proposed Site Constraints Sections

Purpose of Issue **Preliminary** Scale at A1 **As indicated**

Drg No **2222-HTS-XX-00-DR-S-3310**

Rev **P1**



APPENDIX F CONDITION SURVEY



Project

Project Name: CTS-MC 0082 20-21 Royal College Street
Project Description: CCTV Walk Through Survey
Project Number: CTS-MC 0082 20-21
Project Status: Complete
Project Date: 11/12/2020
Inspection Standard: MSCC5 Sewers & Drainage GB (SRM5 Scoring)



Table of Contents

Project Name	Project Number	Project Date
CTS-MC 0082 20-21 Royal College Street	CTS-MC 0082 20-21	11/12/2020

Project Information	P-1
Scoring Summary	P-4
Section Profile	P-5
Section Summary	P-6
Section: 1; MC1372 > MH3814 (MC1372X)	1
Section: 2; MH4902A > MC1829 (MH4902AX)	23
Damage overview	29
Damage overview	30
WinCan	31

Project Information

Project Name	Project Number	Project Date
CTS-MC 0082 20-21 Royal College Street	CTS-MC 0082 20-21	11/12/2020

Client

Company: McAllister Group
Description: McAllister Group Civils, Survey Company
Contact: <https://www.mcallistergroup.com/contact-us/>
Department: CCTV Inspection - Survey Department
Street: Unit B, Horton Trading Estate Stanwell Road
Town or City: Horton
County: Slough
Post Code: SL3 9PF
Phone: 01753 376884
Email: <https://www.mcallistergroup.com/contact-us/>

Site

Company: McAllister Group
Description: McAllister Group Civils, Survey Company
Contact: Perry Ewens (Assistant Project Manager)
Department: CCTV Inspection - Survey Department
Street: Unit B, Horton Trading Estate Stanwell Road
Town or City: Horton
County: Slough
Post Code: SL3 9PF
Phone: 01753 376884
Mobile: 07799395703
Email: perry.ewens@mcallistergroup.com

Contractor

Company: CTS Ltd
Description: Cable Tracing Services Limited
Contact: Joseph Marland-Brown
Department: CCTV Division
Street: WildOaks, Clapgate, Chivers Road
Town or City: Stondon Massey
County: Essex
Post Code: CM15 0LH
Phone: 01277 822102
Mobile: 07920429070
Email: joseph@ctsltd.info

Project Information

Project Name	Project Number	Project Date
CTS-MC 0082 20-21 Royal College Street	CTS-MC 0082 20-21	11/12/2020

Project Notes

CCTV Walk Through Survey using a Gopro Max to record the condition, Structure and Laterals of the brick built sewers



Project Information

Project Name CTS-MC 0082 20-21 Royal College Street	Project Number CTS-MC 0082 20-21	Project Date 11/12/2020
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Drawing Legend

	Buchan Trap		Oil Separator		Soakaway Surface Water
	Catchpit		Petrol Interceptor		Soil & Vent Pipe
	Cesspit		Pipe Run		Survey Abandoned
	Combined SVP & RWP		Pump Chamber		Toilet Manhole
	Connection Point		Rainwater Pipe		Toilet
	Grease Trap		River		Tree Summer
	Gully		Road Gully		Tree Winter
	Inspection Chamber		Rodding Eye		Urinal
	Linear Drain Outlet		Sea		Water Flow
	Main Sewer		Septic Tank		Winer Trap
	Manhole		Soakaway Foul Water		

Scoring Summary

Project Name
CTS-MC 0082 20-21 Royal College Street

Project Number
CTS-MC 0082 20-21

Project Date
11/12/2020

Structural Defects

Section	PLR	Grade	Description
All inspected pipes are in an acceptable structural condition (< grade 3).			

Service / Operational Condition

Section	PLR	Grade	Description
All inspected pipes are in an acceptable service condition (< grade 3).			

Abandoned Surveys

Section	PLR	Description
2	MH4902AX	Survey abandoned

Information

These scoring summaries are based on the SRM grading from the WRc.

Section Profile

Project Name CTS-MC 0082 20-21 Royal College Street	Project Number CTS-MC 0082 20-21	Project Date 11/12/2020
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Circular, 1829 mm, 1829 mm

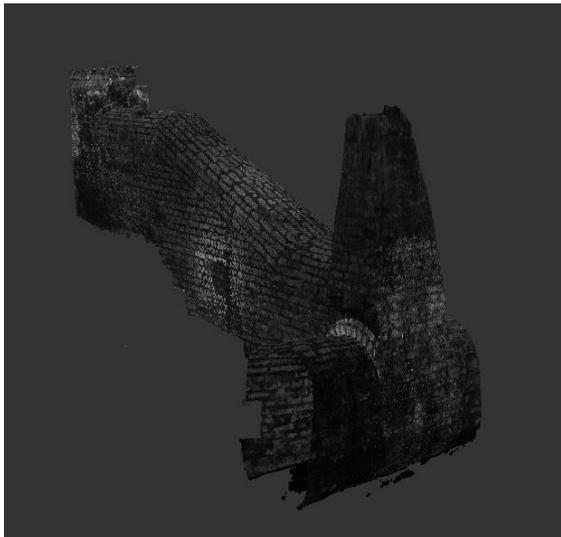
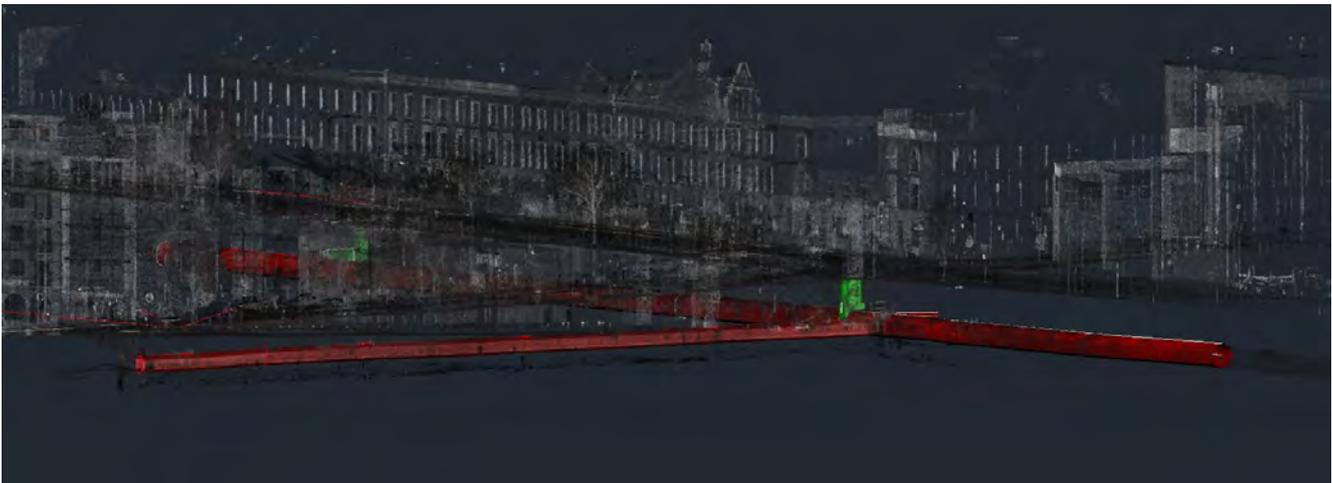
Section	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
1	MC1372	MH3814	11/12/2020	Royal College St, London NW1 0TH	Brick	83.00 m	83.00 m

Total: 1 Inspection x Circular 1829 mm, 1829 mm = 83.00 m Total Length and 83.00 m Inspected Length

Total: 1 Inspection = 83.00 m Total Length and 83.00 m Inspected Length

Total: 2 Inspection x Circular 1372 mm, 1372 mm = 75.00 m Total Length and 75.00 m Inspected Length

Total: 2 Inspection = 75.00 m Total Length and 75.00 m Inspected Length



Section Summary

Project Name CTS-MC 0082 20-21 Royal College Street	Project Number CTS-MC 0082 20-21	Project Date 11/12/2020
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Number of sections	2
Total length of sewer network	158.00 m
Total length of inspections	158.00 m
Total length of abandoned inspections	0.00 m
Total abandoned inspections	1
Number of section inspection photos	76
Number of section inspection videos	2
Number of section inspection scans	0
Number of section inclination measurements	0

PLR: MC1372X	Upstream Node: MC1372
Inspection Direction: Downstream	Downstream Node: MH3814
Inspected Length: 83.00 m	Dia/Height: 1,829 mm
Total Length: 83.00 m	Material: Brick

No.	m+	Code	Observation
1	0.00	CN	Connection other than junction at 9 o'clock, diameter: 1372mm
2	2.50	CN	Connection other than junction at 3 o'clock, diameter: 1295mm
3	5.00	GP	General photograph taken at this point
4	5.10	CN	Connection other than junction at 3 o'clock, diameter: 150mm
5	8.40	CN	Connection other than junction at 9 o'clock, diameter: 150mm
6	10.00	CN	Connection other than junction at 9 o'clock, diameter: 150mm
7	15.00	CM	Cracks, multiple from 8 o'clock to 11 o'clock
8	15.50	CN	Connection other than junction at 9 o'clock, diameter: 150mm
9	16.00	CN	Connection other than junction at 9 o'clock, diameter: 300mm
10	21.00	CN	Connection other than junction at 9 o'clock, diameter: 150mm
11	24.00	CN	Connection other than junction at 3 o'clock, diameter: 150mm
12	26.00	CN	Connection other than junction at 9 o'clock, diameter: 150mm
13	31.00	CN	Connection other than junction at 9 o'clock, diameter: 150mm
14	36.00	CN	Connection other than junction at 3 o'clock, diameter: 150mm
15	36.50	CN	Connection other than junction at 9 o'clock, diameter: 150mm
16	36.50	CN	Connection other than junction at 3 o'clock, diameter: 100mm
17	40.50	CN	Connection other than junction at 9 o'clock, diameter: 150mm
18	41.00	CN	Connection other than junction at 3 o'clock, diameter: 150mm
19	42.00	CN	Connection other than junction at 9 o'clock, diameter: 150mm
20	45.00	CN	Connection other than junction at 9 o'clock, diameter: 150mm
21	46.00	CN	Connection other than junction at 3 o'clock, diameter: 150mm

Section Summary

Project Name CTS-MC 0082 20-21 Royal College Street	Project Number CTS-MC 0082 20-21	Project Date 11/12/2020
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No.	m+	Code	Observation
22	46.50	CN	Connection other than junction at 9 o'clock, diameter: 150mm
23	47.00	GP	General photograph taken at this point
24	50.00	CN	Connection other than junction at 9 o'clock, diameter: 150mm
25	51.00	CN	Connection other than junction at 3 o'clock, diameter: 100mm
26	52.00	CN	Connection other than junction at 9 o'clock, diameter: 300mm
27	54.00	CN	Connection other than junction at 9 o'clock, diameter: 150mm
28	61.00	CN	Connection other than junction at 9 o'clock, diameter: 300mm
29	62.00	CN	Connection other than junction at 3 o'clock, diameter: 100mm
30	67.00	CN	Connection other than junction at 3 o'clock, diameter: 100mm
31	68.00	CN	Connection other than junction at 9 o'clock, diameter: 300mm
32	70.50	CN	Connection other than junction at 3 o'clock, diameter: 300mm
33	72.00	CN	Connection other than junction at 3 o'clock, diameter: 100mm
34	73.50	CN	Connection other than junction at 9 o'clock, diameter: 100mm
35	76.00	CN	Connection other than junction at 3 o'clock, diameter: 100mm
36	80.50	CN	Connection other than junction at 9 o'clock, diameter: 150mm
37	81.00	CN	Connection other than junction at 3 o'clock, diameter: 150mm
38	82.00	CN	Connection other than junction at 9 o'clock, diameter: 300mm
39	83.00	MHF	Finish node type, manhole, reference number: MH3814

PLR: MH4902AX	Upstream Node: MH4902A
Inspection Direction: Downstream	Downstream Node: MC1829
Inspected Length: 76.00 m	Dia/Height: 1,372 mm
Total Length: 75.00 m	Material: Brick

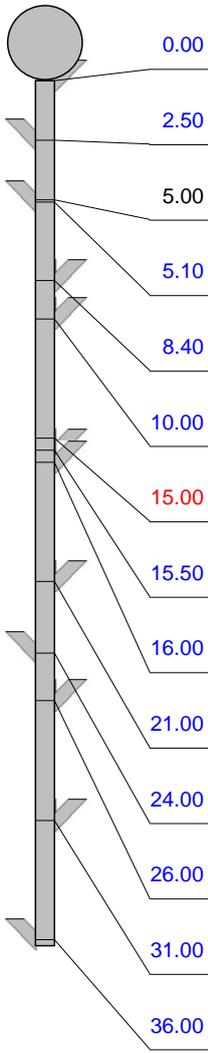
No.	m+	Code	Observation
1	-1.00	CN	Connection other than junction at 6 o'clock, diameter: 500mm
2	0.00	MH	Start node type, manhole, reference number: MH4902A
3	0.00	WL	Water level, 10% of the vertical dimension
4	3.70	GP	General photograph taken at this point
5	4.50	CN	Connection other than junction at 9 o'clock, diameter: 300mm
6	12.50	CN	Connection other than junction at 9 o'clock, diameter: 150mm
7	13.50	CN	Connection other than junction at 9 o'clock, diameter: 150mm
8	22.00	GP	General photograph taken at this point
9	30.00	CN	Connection other than junction at 9 o'clock, diameter: 300mm
10	32.00	CN	Connection other than junction at 9 o'clock, diameter: 500mm
11	38.00	GP	General photograph taken at this point
12	42.50	CN	Connection other than junction at 9 o'clock, diameter: 350mm
13	44.00	CN	Connection other than junction at 3 o'clock, diameter: 300mm
14	58.00	GP	General photograph taken at this point
15	75.00	SA	Survey abandoned

Section Inspection - 11/12/2020 - MC1372X

Section 1	Inspection 1	Date 11/12/20	Time 7:18	Client's Job Ref Royal College	Weather No Rain Or Snow	Pre Cleaned No	PLR MC1372X
Operator JM		Vehicle RV67OTE		Camera Gopro Max 360	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID Not Specified

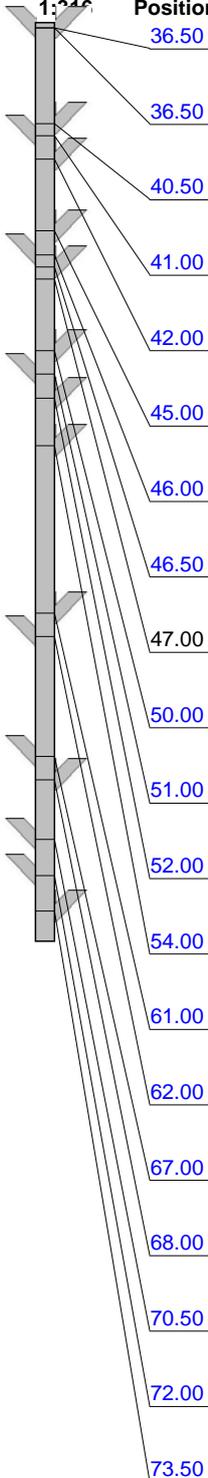
Town or Village:	London	Inspection Direction:	Downstream	Upstream Node:	MC1372
Road:	Royal College St, London Nw1 0Th	Inspected Length:	83.00 m	Upstream Pipe Depth:	3.909 m
Location:	Road	Total Length:	83.00 m	Downstream Node:	MH3814
Surface Type:		Joint Length:	0.00 m	Downstream Pipe Depth:	4.363 m
Use:	Foul	Pipe Shape:	Circular	Dia/Height:	1,829 mm Width: 1,829 mm
Type of Pipe:	Gravity drain/sewer	Material:	Brick	Lining Type:	No Lining
Year Constructed:		Lining Material:	No Lining		
Flow Control:	No flow control				
Inspection Purpose:	Routine inspection				

Comments:
Recommendations: None

Scale: 1:316	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 3.91 m MC1372						
	0.00	CN	Connection other than junction at 9 o'clock, diameter: 1372mm: Survey Started at Major Connection	00:00:00	MC1372X _9ccdda8a-0027-49e	
	2.50	CN	Connection other than junction at 3 o'clock, diameter: 1295mm: 1295	00:00:18	MC1372X _ca62217f-7c62-4be	
	5.00	GP	General photograph taken at this point: Shaft	00:00:35	MC1372X _42b3b7a0-db67-4d	
	5.10	CN	Connection other than junction at 3 o'clock, diameter: 150mm: 150mm Con	00:00:42	MC1372X _e06d5bec-4515-411	
	8.40	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:00:48	MC1372X _d366990a-91b8-45	
	10.00	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 2x150mm Con	00:01:01	MC1372X _4a32519d-50ee-4e	
	15.00	CM	Cracks, multiple from 8 o'clock to 11 o'clock: No Mortar in Joints, Displaced Bricks	00:01:23	MC1372X _90d155ff-6dba-407b	2 / 2
	15.50	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:01:27	MC1372X _5bdb327f-c81f-4cb9	
	16.00	CN	Connection other than junction at 9 o'clock, diameter: 300mm: 300mm Con	00:01:32	MC1372X _14286ca7-d6f0-4db7	
	21.00	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:01:53	MC1372X _f5f9b591-c2c0-4ae3	
	24.00	CN	Connection other than junction at 3 o'clock, diameter: 150mm: 150mm Con	00:02:00	MC1372X _6ec3dd75-4ecb-4f60	
	26.00	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:02:19	MC1372X _50b41e9d-f88b-42f	
	31.00	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:02:35	MC1372X _f3975fd1-76df-4afa-	
	36.00	CN	Connection other than junction at 3 o'clock, diameter: 150mm: 150mm Con	00:02:45	MC1372X _f9e2ad22-d417-431	

Section Inspection - 11/12/2020 - MC1372X

Section 1	Inspection 1	Date 11/12/20	Time 7:18	Client's Job Ref Royal College	Weather No Rain Or Snow	Pre Cleaned No	PLR MC1372X
Operator JM		Vehicle RV67OTE		Camera Gopro Max 360	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID Not Specified

Scale:	Position [m]	Code	Observation	MPEG	Photo	Grade
	36.50	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:02:54	MC1372X_2c8b068a-b2da-495	
	36.50	CN	Connection other than junction at 3 o'clock, diameter: 100mm: 100mm Con	00:02:58	MC1372X_0ff68e86-f9b9-4945-	
	40.50	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:03:10	MC1372X_df11cacb-bd16-47ff-	
	41.00	CN	Connection other than junction at 3 o'clock, diameter: 150mm: 150mm Con	00:03:12	MC1372X_486bcbaa-083d-46c	
	42.00	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:03:17	MC1372X_375c7da9-a297-449	
	45.00	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:03:21	MC1372X_4a2c48a5-ed82-409	
	46.00	CN	Connection other than junction at 3 o'clock, diameter: 150mm: 150mm Con	00:03:29	MC1372X_ddd5c455-3e51-4cbf	
	46.50	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:03:33	MC1372X_7ba566d-e-626a-49	
	47.00	GP	General photograph taken at this point: Water Level	00:03:37	MC1372X_4e0719d7-5573-4cf	
	50.00	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:03:46	MC1372X_39a4ac3b-32a0-468	
	51.00	CN	Connection other than junction at 3 o'clock, diameter: 100mm: 100mm Con	00:03:55	MC1372X_334ff55d-9186-482f-	
	52.00	CN	Connection other than junction at 9 o'clock, diameter: 300mm: 300mm Con	00:03:59	MC1372X_c0e9f8c0-f9ac-4c95-	
	54.00	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:04:04	MC1372X_c119eab8-7a9b-429	
	61.00	CN	Connection other than junction at 9 o'clock, diameter: 300mm: 300mm Con	00:04:23	MC1372X_6bead8d8-16f8-432	
	62.00	CN	Connection other than junction at 3 o'clock, diameter: 100mm: 100mm Con	00:04:30	MC1372X_c3aa8cd9-c622-4d0	
	67.00	CN	Connection other than junction at 3 o'clock, diameter: 100mm: 100mm Con	00:04:42	MC1372X_2c6d2def-1b86-4ea	
	68.00	CN	Connection other than junction at 9 o'clock, diameter: 300mm: 300mm Con	00:04:47	MC1372X_cca8e6e6-c386-425	
70.50	CN	Connection other than junction at 3 o'clock, diameter: 300mm: 300mm Con	00:04:54	MC1372X_8f797520-370e-442		
72.00	CN	Connection other than junction at 3 o'clock, diameter: 100mm: 100mm Con	00:05:02	MC1372X_da1af70b-da46-4b4		
73.50	CN	Connection other than junction at 9 o'clock, diameter: 100mm: 100mm Con	00:05:10	MC1372X_dfd98799-947a-44e		

Section Inspection - 11/12/2020 - MC1372X

Section 1	Inspection 1	Date 11/12/20	Time 7:18	Client's Job Ref Royal College	Weather No Rain Or Snow	Pre Cleaned No	PLR MC1372X
Operator JM		Vehicle RV67OTE		Camera Gopro Max 360	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID Not Specified

Scale:	1:316	Position [m]	Code	Observation	MPEG	Photo	Grade
<p>Depth: 4.36 m</p>	76.00	CN	Connection other than junction at 3 o'clock, diameter: 100mm: 100mm Con	00:05:18	MC1372X _1be12a3 3-8c6e-48		
	80.50	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:05:28	MC1372X _255841d a-4d39-4a		
	81.00	CN	Connection other than junction at 3 o'clock, diameter: 150mm: 150mm Con	00:05:33	MC1372X _75524d5 2-5761-4b		
	82.00	CN	Connection other than junction at 9 o'clock, diameter: 300mm: 300mm Con	00:05:38	MC1372X _ff0b1625- 9f03-48eb-		
	83.00	MHF	Finish node type, manhole, reference number: MH3814: Side Entry	00:05:48	MC1372X _5beb776 4-3d33-4a		

Construction Features

Structural Defects

Miscellaneous Features

Service & Operational Observations

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	20.0	0.2	20.0	2.0	1	1.0	0.0	1.0	2.0

Section Pictures - 11/12/2020 - MC1372X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream	MC1372X	Royal College	



MC1372X_9ccdda8a-0027-49e0-b13b-13d06551b40f_202012
11_095638_393.jpg, 00:00:00, 0.00 m
Connection other than junction at 9 o'clock, diameter: 1372mm,
Survey Started at Major Connection



0.00m 1829mm Sewer Looking Upstream



0.00m 1829mm Sewer Looking Downstream



2.50m 1295mm Sewer Connection



5.00m Shaft

Section Pictures - 11/12/2020 - MC1372X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream	MC1372X	Royal College	



5.10m Connection at 3 o Clock 150mm



8.40m Connection at 9 o Clock 150mm



10.00 2xConnection at 9 o Clock 150mm



15m Multiple cracks, Mortar Missing



15.50m Connection at 9 o Clock 150mm



16.00m Connection at 9 o Clock 300mm

Section Pictures - 11/12/2020 - MC1372X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream	MC1372X	Royal College	



21.00m Connection at 9 o Clock 150mm



24.00m Connection at 3 o Clock 150mm



26.00m Connection at 3 o Clock 150mm



31.00m Connection at 9 o Clock 150mm



36.00m Connection at 9 o Clock 150mm



36.50m Connection at 3 o Clock 100mm

Section Pictures - 11/12/2020 - MC1372X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream	MC1372X	Royal College	



40.50m Connection at 3 o Clock 100mm



41.00m Connection at 3 o Clock 150mm



42.00 Connection at 9 o Clock 150mm



45.00 Connection at 9 o Clock 150mm



46.00 Connection at 3 o Clock 150mm



46.50 Connection at 9 o Clock 150mm

Section Pictures - 11/12/2020 - MC1372X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream	MC1372X	Royal College	



47.00 General Photograph of 1829mm



50.00 Connection at 9 o Clock 150mm



51.00 Connection at 9 o Clock 150mm



52.00 Connection at 9 o Clock 300mm



54.00 Connection at 9 o Clock 150mm



61.00 Connection at 9 o Clock 300mm

Section Pictures - 11/12/2020 - MC1372X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream	MC1372X	Royal College	



62.00 Connection at 3 o Clock 100mm



67.00 Connection at 3 o Clock 100mm



68.00 Connection at 3 o Clock 300mm

Section Pictures - 11/12/2020 - MC1372X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream	MC1372X	Royal College	



MC1372X_8f797520-370e-4426-9533-694a1b1234c2_202012
11_093350_105.jpg, 00:04:54, 70.50 m
Connection other than junction at 3 o'clock, diameter: 300mm,
300mm Con

Section Pictures - 11/12/2020 - MC1372X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream	MC1372X	Royal College	



MC1372X_ad6c27c3-8903-491a-ac5f-d8c64a6fac75_20201211_093421_672.jpg, 00:04:54, 70.50 m
Connection other than junction at 3 o'clock, diameter: 300mm, 300mm Con



MC1372X_da1af70b-da46-4b46-97f2-af952ad57fbd_20201211_095221_007.jpg, 00:05:02, 72.00 m
Connection other than junction at 3 o'clock, diameter: 100mm, 100mm Con



MC1372X_4a48244c-9874-4c19-9f77-3f0de7a4905e_20201211_093458_943.jpg, 00:05:02, 72.00 m
Connection other than junction at 3 o'clock, diameter: 100mm, 100mm Con



MC1372X_dfd98799-947a-44e5-b673-f282a016c85f_20201211_095145_141.jpg, 00:05:10, 73.50 m
Connection other than junction at 9 o'clock, diameter: 100mm, 100mm Con

Section Pictures - 11/12/2020 - MC1372X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream	MC1372X	Royal College	



MC1372X_1be12a33-8c6e-482e-826f-43f91534fd60_20201211_095130_087.jpg, 00:05:18, 76.00 m
Connection other than junction at 3 o'clock, diameter: 100mm, 100mm Con



MC1372X_8c0d3c0a-3aed-4716-b126-d2b10da15604_20201211_095136_945.jpg, 00:05:18, 76.00 m
Connection other than junction at 3 o'clock, diameter: 100mm, 100mm Con



MC1372X_255841da-4d39-4a5b-8d0d-b8e8aa3a0e70_20201211_095120_913.jpg, 00:05:28, 80.50 m
Connection other than junction at 9 o'clock, diameter: 150mm, 150mm Con



MC1372X_75524d52-5761-4bd6-970a-1e21beacc377_20201211_100236_953.jpg, 00:05:33, 81.00 m
Connection other than junction at 3 o'clock, diameter: 150mm, 150mm Con

Section Pictures - 11/12/2020 - MC1372X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream	MC1372X	Royal College	



MC1372X_791222b5-4c31-4d7c-aada-64337ead35e7_20201211_095108_447.jpg, 00:05:33, 81.00 m
Connection other than junction at 3 o'clock, diameter: 150mm, 150mm Con



MC1372X_ff0b1625-9f03-48eb-a23b-cea71a467b17_20201211_100206_157.jpg, 00:05:38, 82.00 m
Connection other than junction at 9 o'clock, diameter: 300mm, 300mm Con



MC1372X_a62d66cd-b0cf-4c23-8340-b6bdc12f9507_20201211_095051_276.jpg, 00:05:38, 82.00 m
Connection other than junction at 9 o'clock, diameter: 300mm, 300mm Con



MC1372X_5beb7764-3d33-4ab3-bbdd-f376f7f97452_20201211_100157_501.jpg, 00:05:48, 83.00 m
Finish node type, manhole, reference number: MH3814, Side Entry

Section Pictures - 11/12/2020 - MC1372X

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream	MC1372X	Royal College	



MC1372X_a6d1e395-0f32-4c1d-88e5-ac4798432c02_20201211_100057_699.jpg, 00:05:48, 83.00 m
Finish node type, manhole, reference number: MH3814, Side Entry

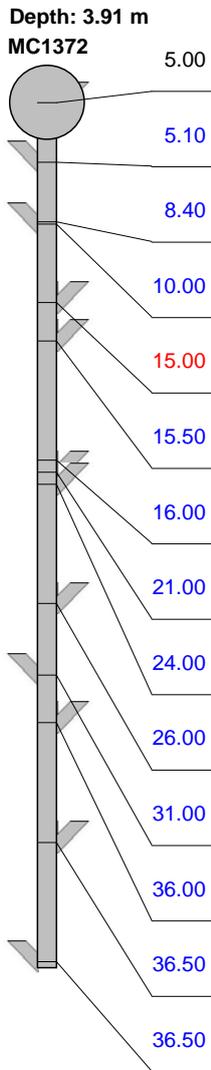
Section Rehab - 11/12/2020 - MC1372X

Section 1	Inspection 1	Date 11/12/20	Time 7:18	Client's Job Ref Royal College	Weather No Rain Or Snow	Pre Cleaned No	PLR MC1372X
Operator JM		Vehicle RV67OTE		Camera Gopro Max 360	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID Not Specified

Town or Village:	London	Inspection Direction:	Downstream	Upstream Node:	MC1372
Road:	Royal College St, London Nw1 0Th	Inspected Length:	83.00 m	Upstream Pipe Depth:	3.909 m
Location:	Road	Total Length:	83.00 m	Downstream Node:	MH3814
Surface Type:		Joint Length:	0.00 m	Downstream Pipe Depth:	4.363 m

Comments:
Recommendations: None

Scale: 1:316	Position [m]	Code	Observation	MPEG	Photo	Grade
	0.00	CN	Connection other than junction at 9 o'clock, diameter: 1372mm: Survey Started at Major Connection	00:00:00		
	2.50	CN	Connection other than junction at 3 o'clock, diameter: 1295mm: 1295	00:00:18		
	5.00	GP	General photograph taken at this point: Shaft	00:00:35		
	5.10	CN	Connection other than junction at 3 o'clock, diameter: 150mm: 150mm Con	00:00:42		
	8.40	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:00:48		
	10.00	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 2x150mm Con	00:01:01		
	15.00	CM	Cracks, multiple from 8 o'clock to 11 o'clock: No Mortar in Joints, Displaced Bricks	00:01:23		2 / 2
	15.50	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:01:27		
	16.00	CN	Connection other than junction at 9 o'clock, diameter: 300mm: 300mm Con	00:01:32		
	21.00	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:01:53		
	24.00	CN	Connection other than junction at 3 o'clock, diameter: 150mm: 150mm Con	00:02:00		
	26.00	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:02:19		
	31.00	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:02:35		
	36.00	CN	Connection other than junction at 3 o'clock, diameter: 150mm: 150mm Con	00:02:45		
	36.50	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:02:54		
	36.50	CN	Connection other than junction at 3 o'clock, diameter: 100mm: 100mm Con	00:02:58		



Section Rehab - 11/12/2020 - MC1372X

Section 1	Inspection 1	Date 11/12/20	Time 7:18	Client's Job Ref Royal College	Weather No Rain Or Snow	Pre Cleaned No	PLR MC1372X
Operator JM		Vehicle RV67OTE		Camera Gopro Max 360	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID Not Specified

Scale:	Position [m]	Code	Observation	MPEG	Photo	Grade
	40.50	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:03:10		
	41.00	CN	Connection other than junction at 3 o'clock, diameter: 150mm: 150mm Con	00:03:12		
	42.00	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:03:17		
	45.00	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:03:21		
	46.00	CN	Connection other than junction at 3 o'clock, diameter: 150mm: 150mm Con	00:03:29		
	46.50	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:03:33		
	47.00	GP	General photograph taken at this point: Water Level	00:03:37		
	50.00	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:03:46		
	51.00	CN	Connection other than junction at 3 o'clock, diameter: 100mm: 100mm Con	00:03:55		
	52.00	CN	Connection other than junction at 9 o'clock, diameter: 300mm: 300mm Con	00:03:59		
	54.00	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:04:04		
	61.00	CN	Connection other than junction at 9 o'clock, diameter: 300mm: 300mm Con	00:04:23		
	62.00	CN	Connection other than junction at 3 o'clock, diameter: 100mm: 100mm Con	00:04:30		
	67.00	CN	Connection other than junction at 3 o'clock, diameter: 100mm: 100mm Con	00:04:42		
	68.00	CN	Connection other than junction at 9 o'clock, diameter: 300mm: 300mm Con	00:04:47		
	70.50	CN	Connection other than junction at 3 o'clock, diameter: 300mm: 300mm Con	00:04:54		
	72.00	CN	Connection other than junction at 3 o'clock, diameter: 100mm: 100mm Con	00:05:02		
	73.50	CN	Connection other than junction at 9 o'clock, diameter: 100mm: 100mm Con	00:05:10		
76.00	CN	Connection other than junction at 3 o'clock, diameter: 100mm: 100mm Con	00:05:18			

Section Rehab - 11/12/2020 - MC1372X

Section 1	Inspection 1	Date 11/12/20	Time 7:18	Client's Job Ref Royal College	Weather No Rain Or Snow	Pre Cleaned No	PLR MC1372X
Operator JM		Vehicle RV67OTE		Camera Gopro Max 360	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID Not Specified

Scale: 1:316	Position [m]	Code	Observation	MPEG	Photo	Grade
<p>Depth: 4.36 m</p>	80.50	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:05:28		
	81.00	CN	Connection other than junction at 3 o'clock, diameter: 150mm: 150mm Con	00:05:33		
	82.00	CN	Connection other than junction at 9 o'clock, diameter: 300mm: 300mm Con	00:05:38		
	83.00	MHF	Finish node type, manhole, reference number: MH3814: Side Entry	00:05:48		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	20.0	0.2	20.0	2.0	1	1.0	0.0	1.0	2.0

Section Inspection - 11/12/2020 - MH4902AX

Section 2	Inspection 1	Date 11/12/20	Time 7:26	Client's Job Ref Royal College	Weather No Rain Or Snow	Pre Cleaned No	PLR MH4902AX
Operator JM		Vehicle RV67OTE		Camera Gopro Max 360	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID Not Specified

Town or Village:	London	Inspection Direction:	Downstream	Upstream Node:	MH4902A
Road:	Royal College St, London Nw1 0Th	Inspected Length:	76.00 m	Upstream Pipe Depth:	2.453 m
Location:	Road	Total Length:	75.00 m	Downstream Node:	MC1829
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	4.005 m
Use:	Foul	Pipe Shape:	Egg shaped	Year Constructed:	
Type of Pipe:	Gravity drain/sewer	Dia/Height:	1,372 mm Width: 762 mm	Flow Control:	No flow control
Material:		Lining Type:	No Lining	Inspection Purpose:	Routine inspection
Lining Material:		Lining Material:	No Lining		

Comments:
Recommendations: None

Scale: 1:653	Position [m]	Code	Observation	MPEG	Photo	Grade
	-1.00	CN	Connection other than junction at 6 o'clock, diameter: 500mm: Multiple connections	00:00:24	MH4902A X_2e4a78 a2-b4d2-4	
	0.00	MH	Start node type, manhole, reference number: MH4902A: Side Entry	00:00:00	MH4902A X_54fbf77 1-f746-4aa	
	0.00	WL	Water level, 10% of the vertical dimension	00:00:19	MH4902A X_037fe4b a-2f61-4ce	
	3.70	GP	General photograph taken at this point: Shaft	00:00:52	MH4902A X_02d655 16-ea01-4	
	4.50	CN	Connection other than junction at 9 o'clock, diameter: 300mm: 300mm Con	00:01:09	MH4902A X_f9e2094 9-0140-40	
	12.50	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:01:44	MH4902A X_1c442c 76-bf5d-4a	
	13.50	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:01:55	MH4902A X_8ea247 67-af20-46	
	22.00	GP	General photograph taken at this point: Shaft	00:02:31	MH4902A X_796529 40-8021-4	
	30.00	CN	Connection other than junction at 9 o'clock, diameter: 300mm: 300mm Con	00:03:03	MH4902A X_e64501 aa-a185-4f	
	32.00	CN	Connection other than junction at 9 o'clock, diameter: 500mm: 500mm Con	00:03:17	MH4902A X_e815aaf 6-adf2-441	
	38.00	GP	General photograph taken at this point: Shaft	00:03:41	MH4902A X_1e033f0 1-da3c-4fe	
	42.50	CN	Connection other than junction at 9 o'clock, diameter: 350mm: 350mm Con	00:03:58	MH4902A X_fefc3b2 3-0cf1-438	
	44.00	CN	Connection other than junction at 3 o'clock, diameter: 300mm: 300mm Con	00:04:09	MH4902A X_77eb93 a6-188a-4	
	58.00	GP	General photograph taken at this point: Shaft	00:04:49	MH4902A X_28d4eb 8f-0f81-4a	
	75.00	SA	Survey abandoned: MC1829	00:05:39	MH4902A X_5a40feb a-2ce7-44	

Construction Features

Structural Defects

Miscellaneous Features

Service & Operational Observations

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 11/12/2020 - MH4902AX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
2	Downstream	MH4902AX	Royal College	



-1.00 Multiple Connections



0.00 Side Entry Manhole



0.00 Water Level at 10%



3.70 Shaft



4.50 Connection at 9 o Clock 300mm



12.50 Connection at 9 o Clock 150mm

Section Pictures - 11/12/2020 - MH4902AX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
2	Downstream	MH4902AX	Royal College	



13.50 Connection at 9 o Clock 150mm



22.00 Shaft



30.00 Connection at 9 o Clock 300mm



32.00 Connection at 9 o Clock 500mm



38.00 Shaft



42.50 Connection at 9 o Clock 350mm

Section Pictures - 11/12/2020 - MH4902AX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
2	Downstream	MH4902AX	Royal College	



MH4902AX_fefc3b23-0cf1-438b-8c47-fb4c2a833447_20201211_1_104448_310.jpg, 00:03:58, 42.50 m
Connection other than junction at 9 o'clock, diameter: 350mm,
350mm Con

Section Pictures - 11/12/2020 - MH4902AX

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
2	Downstream	MH4902AX	Royal College	



MH4902AX_77eb93a6-188a-40db-958c-24779720c49c_20201
211_104653_141.jpg, 00:04:09, 44.00 m
Connection other than junction at 3 o'clock, diameter: 300mm,
300mm Con



MH4902AX_28d4eb8f-0f81-4ad8-9c1d-fa07cfad99d2_2020121
1_104755_434.jpg, 00:04:49, 58.00 m
General photograph taken at this point, Shaft



MH4902AX_5a40feba-2ce7-4410-bb6d-a401aa99b51b_20201
211_105051_512.jpg, 00:05:39, 75.00 m
Survey abandoned, MC1829

Section Rehab - 11/12/2020 - MH4902AX

Section 2	Inspection 1	Date 11/12/20	Time 7:26	Client's Job Ref Royal College	Weather No Rain Or Snow	Pre Cleaned No	PLR MH4902AX
Operator JM		Vehicle RV67OTE		Camera Gopro Max 360	Preset Length Not Specified	Legal Status Private Sewer	Alternative ID Not Specified

Town or Village:	London	Inspection Direction:	Downstream	Upstream Node:	MH4902A
Road:	Royal College St, London Nw1 0Th	Inspected Length:	76.00 m	Upstream Pipe Depth:	2.453 m
Location:	Road	Total Length:	75.00 m	Downstream Node:	MC1829
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	4.005 m

Comments:
Recommendations: None

Scale: 1:653	Position [m]	Code	Observation	MPEG	Photo	Grade
	-1.00	CN	Connection other than junction at 6 o'clock, diameter: 500mm: Multiple connections	00:00:24		
	0.00	MH	Start node type, manhole, reference number: MH4902A: Side Entry	00:00:00		
	0.00	WL	Water level, 10% of the vertical dimension	00:00:19		
	3.70	GP	General photograph taken at this point: Shaft	00:00:52		
	4.50	CN	Connection other than junction at 9 o'clock, diameter: 300mm: 300mm Con	00:01:09		
	12.50	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:01:44		
	13.50	CN	Connection other than junction at 9 o'clock, diameter: 150mm: 150mm Con	00:01:55		
	22.00	GP	General photograph taken at this point: Shaft	00:02:31		
	30.00	CN	Connection other than junction at 9 o'clock, diameter: 300mm: 300mm Con	00:03:03		
	32.00	CN	Connection other than junction at 9 o'clock, diameter: 500mm: 500mm Con	00:03:17		
	38.00	GP	General photograph taken at this point: Shaft	00:03:41		
	42.50	CN	Connection other than junction at 9 o'clock, diameter: 350mm: 350mm Con	00:03:58		
	44.00	CN	Connection other than junction at 3 o'clock, diameter: 300mm: 300mm Con	00:04:09		
	58.00	GP	General photograph taken at this point: Shaft	00:04:49		
	75.00	SA	Survey abandoned: MC1829	00:05:39		

Construction Features

Structural Defects

Miscellaneous Features

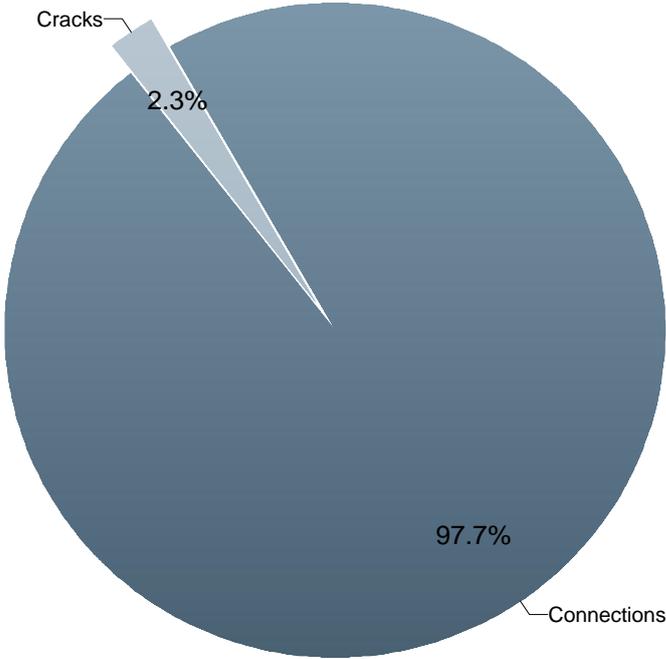
Service & Operational Observations

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Damage overview

Project Name CTS-MC 0082 20-21 Royal College Street	Project Number CTS-MC 0082 20-21	Project Date 11/12/2020
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Group	Count
Connections	43
Cracks	1



Inspection Summary

Project Name CTS-MC 0082 20-21 Royal College Street	Project Number CTS-MC 0082 20-21	Project Date 11/12/2020
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	Node from:	MC1372	MH4902A	Total
	Node to:	MH3814	MC1829	
	Section height:	1829.00	1372.00	
	Section length:	83.00	75.00	158.00
	Inspected length:	83.00	76.00	159.00
	Abandoned:		X	
	Connections:	35	8	43
	Cracks:	1	0	1
	Total:	36	8	44

WinCan

Notes:

Thank you for choosing to use WinCan to carry out your drainage investigation works.

The results and views carried in this report are those of the engineer(s) appointed to carry out the investigation and are considered relevant on the day of the survey. Drain and sewer performance is known to alter over time, so liability cannot be accepted for differences between the recorded data and the actual data at a time after this report was generated.

This survey has been created in accordance with the drainage standard used in the country and language settings for this PC.

If a DVD has been supplied with this report, please note that it can only be used in a Windows based PC. Please browse the DVD and navigate to the PDF folder to find project-based documents such as drawings, engineer's site notes and survey specifications amongst others.

CCTV subsidence investigations do not account for the water tightness of the pipes and are merely a visual inspection of inside of the drains. CCTV drainage engineers are generally not qualified to comment on the causes of subsidence, and can only suggest required remedial actions for the pipes, and not the affected buildings.

Subsidence is a building structural failure, which can occur for many reasons. Although drainage failures can contribute to subsidence problems, other causes should always be investigated as part of a considered approach. In order to eliminate drains from suspicion, WinCan suggests that all pipes within at least 10m of the subsidence area be pressure tested over and above a CCTV inspection, and remedial suggestions considered based on the findings.

Unless otherwise specified in an associated task order (or similar), the data gathered in this report may not be suitable for use as a pre-lining investigation. WinCan are happy to carry out such surveys, but this must be agreed prior to the commencement of the works, and the client must specify the data they wish to capture and the acceptable tolerances.

Where GPS coordinates and heights have been issued within this report, they are to 1m accuracy, and 2m accuracy for heights. Greater accuracy can be provided on request.