



CONSTRAINTS
HISTORICAL BUILDINGS
SCALE: 1 : 400

C.D.M.
SIGNIFICANT RISKS AND HAZARDS: REFER TO WALSH CDM REGISTER
KEY DESIGN DECISIONS TO REDUCE OR ELIMINATE HAZARDS: -

- Notes
1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS IN METRES.
 2. THIS DRAWING TO BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
 3. THIS DRAWING HAS BEEN PRODUCED ELECTRONICALLY AND MAY HAVE BEEN PHOTO REDUCED OR ENLARGED WHEN COPIED. HENCE, DO NOT RELY ON ANY SCALES GIVEN. WORK ONLY TO FIGURED DIMENSIONS (DO NOT SCALE). ALL DIMENSIONS TO BE CHECKED ON SITE. ANY ERRORS OR OMISSIONS TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
 4. SITE BOUNDARY TAKEN FROM DRMA: SITE CONSTRAINTS PLAN PDF, TO BE CONFIRMED VIA DMC.
 5. TOPOGRAPHICAL SURVEY INFORMATION TAKEN FROM MICHAEL GALLIE AND PARTNERS REFERENCE 10042-03 TO 05.
 6. PECKHAM BUS GARAGE INFORMATION INFERRED FROM CONCRETE & CONSTRUCTIONAL ENGINEERING JOURNAL SEPT 1952 Ed.
 7. BOREHOLE INFORMATION TAKEN FROM BGS WEBSITE (ACCESSSED 03/03/22).

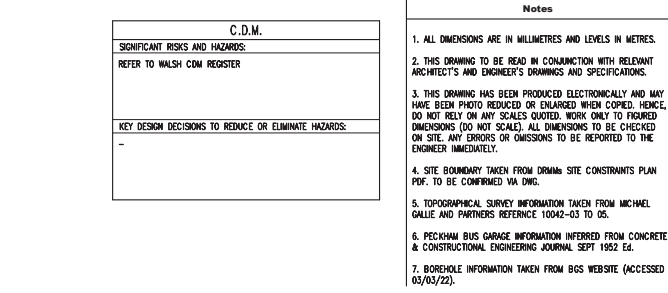
RISK ID:	RISK:	SEVERITY:	MITIGATION ACTION:
1.	ASBESTOS - UNITS 4 AND 10 OF AYLESHAM CENTRE IDENTIFIED AS HAVING ASBESTOS CONTAINING MATERIALS. REFERRED IN TESTING CONSULTING ASBESTOS REPORT (09/2019) - APPENDIX OF DELTA SIMONS PHASE 1 ENVIRONMENTAL ASSESSMENT REPORT (02/2021)(02/2021)	HIGH	SPECIALIST TO CARRY OUT AN ASBESTOS SURVEY AND PROPOSE DEMOLITION AND ASBESTOS REMOVAL STRATEGY TO BE INCORPORATED INTO THE DEMOLITION PHASE.
2.	BOREHOLES SUNK IN 1953 AND 1950s MAY REMAIN INSTU	HIGH	EXISTING CONDITION TO BE INVESTIGATED AS PART OF SITE INVESTIGATION SCOPE. MAY REQUIRE TO INFILLING AND CAPPING SUBJECT TO AGREEMENT WITH EA.
3.	GROUND CONTAMINATION SUCH AS HYDROCARBONS, PAH, PCBs, METALS AND ASBESTOS WITHIN UNDERLYING SOILS. LIKELY BURIED TANKS ON EXISTING PETROL FILLING SITE. POSSIBLE BURIED TANKS REMAIN FROM HISTORICAL USE (INDUSTRIAL/COMMERCIAL BUILDINGS OF UNSPECIFIED USE, PECKHAM BUS GARAGE, DRY CLEANERS AND ELECTRICITY SUBSTATION)	MODERATE	GEOTECHNICAL AND GEOTECHNICAL SURVEYS AND FINDING REPORTS TO BE COMMISSIONED. ALL SUBCONTRACTORS INVOLVED WITH GROUND WORKS TO PROVIDE METHOD STATEMENTS DEMONSTRATING UNDERSTANDING OF, & COMPLIANCE WITH, MEASURES OUTLINED IN SOIL REPORT AND USE OF APPROPRIATE PPE. POSSIBLE FURTHER SOIL TESTING AS NECESSARY.
4.	UNEXPLODED ORDNANCE (UXO) - PREVIOUS DESK STUDY REPORTS IDENTIFY THAT HISTORICAL MAPPING INDICATES THAT RUINS WERE PRESENT IN THE NORTH AND NORTHWEST OF THE SITE, LIKELY FROM WWI.	HIGH	A FULL UXO SURVEY FOR THE SITE IS REQUIRED TO DETERMINE THE RISKS AND CONTROLS REQUIRED FOR THE CONSTRUCTION STAGE. THERE MAY BE A REQUIREMENT FOR A WATCHING BRIEF AND UXO PROTECTION PLAN DURING THE CONSTRUCTION STAGE.
5.	EXISTING BELOW GROUND STRUCTURES INCLUDING THE AYLESHAM CENTRE'S EXISTING BASEMENT TO THE NORTHWEST OF SITE, PLUS WE UNDERSTAND SMO. BELOW GROUND TANKS FOR THE PFS. DESK STUDY IDENTIFIES HISTORICAL UNDERGROUND STRUCTURES THAT MAY STILL EXIST OR PARTIALLY EXIST, SUCH AS PECKHAM BUS GARAGE BASEMENT, SEAM-SUBMERGED BOILER HOUSE AND OIL STEEL TANKS.	HIGH	INDICATIVE LOCATIONS OF HISTORIC STRUCTURES PLOTTED INFORMATION TO BE COLLATED AND OVERLAIN, DEMO SCOPE TO INCLUDE BELOW GROUND STRUCTURES
6.	PHASING OF WORKS - PHASE 1 WORKS TO BE ADJACENT TO A LIVE SUPERMARKET AND CAR PARK	HIGH	SEQUENCING OF WORKS TO BE CAREFULLY REVIEWED AND PLANNED. SUFFICIENT CLEAR WIDTH TO BE INCORPORATED FOR SHOPPING CENTRE AND TEMPORARY CAR PARK.
7.	PHASE 2 EXISTING BASEMENT - ADJUSTMENTS TO RETENTION SYSTEM OF PUBLIC HIGHWAYS	HIGH	DEMOLITION OF EXISTING RYE LANE SUPERSTRUCTURE AND BASEMENT TO ENSURE HIGHWAY NOT IMPACTED DURING WORKS. BASEMENT INFILL DETAILS TO BE DEVELOPED. EXISTING STRUCTURE SURVEY TO BE PROVIDED TO DEMOLITION CONTRACTOR FOR INCORPORATION INTO DEMOLITION STRATEGY.
8.	DAMAGE TO HIGHWAYS DURING WORKS	HIGH	BASEMENT TO BE DESIGNED TO RETAIN PUBLIC HIGHWAY. AP TO BE AGREED WITH HIGHWAYS / TfL REGARDS THE EXISTING BUS STATION.
9.	PARTY WALLS - WILL IMPACT DEMOLITION STRATEGY AND PROPOSED SUBSTRUCTURE DESIGN. VIBRATION/MOVEMENT MONITORING MAY BE REQUIRED.	MODERATE	PARTY WALL SURVEY TO CONFIRM LOCATIONS WHERE PWA WILL BE REQUIRED. WALL/VRM TO PROVIDE SECTIONS TO BE SUBMITTED TO SURVEYORS.
10.	EXISTING BELOW GROUND SERVICES INCLUDING EXISTING SUBSTATION	HIGH	EXISTING SERVICES TO BE SURVEYED PRIOR TO COMMENCEMENT OF WORKS. SERVICE STOPPING UP AND DIVERSION AGREEMENTS PRIOR TO WORKS.
11.	ARCHAEOLOGY	MODERATE / LOW	DESK STUDY REPORT BY COLTSWOLD ARCHAEOLOGY SUGGESTS MONITORING OF GEOTECHNICAL INVESTIGATIONS AND SUBSEQUENT TRAIL TRENCHING MAY BE REQUIRED.
12.	EXISTING TREES WITH TREE PROTECTION ORDERS (TPO) IDENTIFIED BOTH ALONG THE SOUTH BOUNDARY OF SITE AND INSET WITHIN THE CURRENT CAR PARK	MODERATE	TREE PROTECTION ZONES TO BE CONFIRMED BY LANDSCAPE ARCHITECT/ARBORICULTURIST. WILL LIKELY IMPACT SUBSTRUCTURE AND BELOW GROUND SERVICES. CONTRACTOR TO ENSURE PROTECTION DURING CONSTRUCTION.
13.	EXISTING NORTHERN RETAINING WALL BETWEEN CAR PARK AND BUS STATION	HIGH	SITE SURVEY AND TRAIL PITS TO DETERMINE RETAINING WALL CAPACITY TO DETERMINE ALLOWABLE SURCHARGE DURING EARLY CONSTRUCTION WORKS PRIOR TO BASEMENT EXCAVATION. PROPOSED LEVELS ASSESSMENT AGAINST PILE WAT LEVEL TO DETERMINE WHETHER RETAINED HEIGHT COULD BE REDUCED PRIOR TO BASEMENT RETAINING WALL WORKS.

LEGEND:

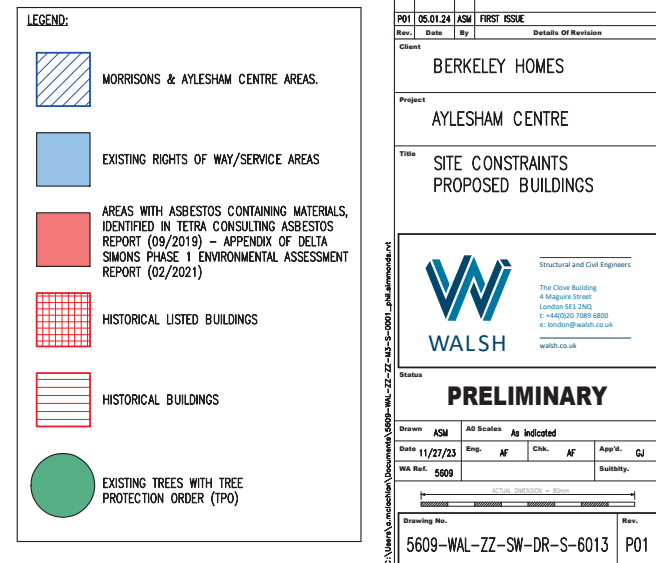
NOTE: THE DIFFERENT COLOURS DETERMINE WHEN STRUCTURES WERE FIRST IDENTIFIED ON HISTORIC MAPS.

- 1896 ONWARDS.
- 1916 ONWARDS
- 1953 ONWARDS
- 1985 ONWARDS
- 2003 ONWARDS
- 2022 (LATEST SURVEY INFORMATION)

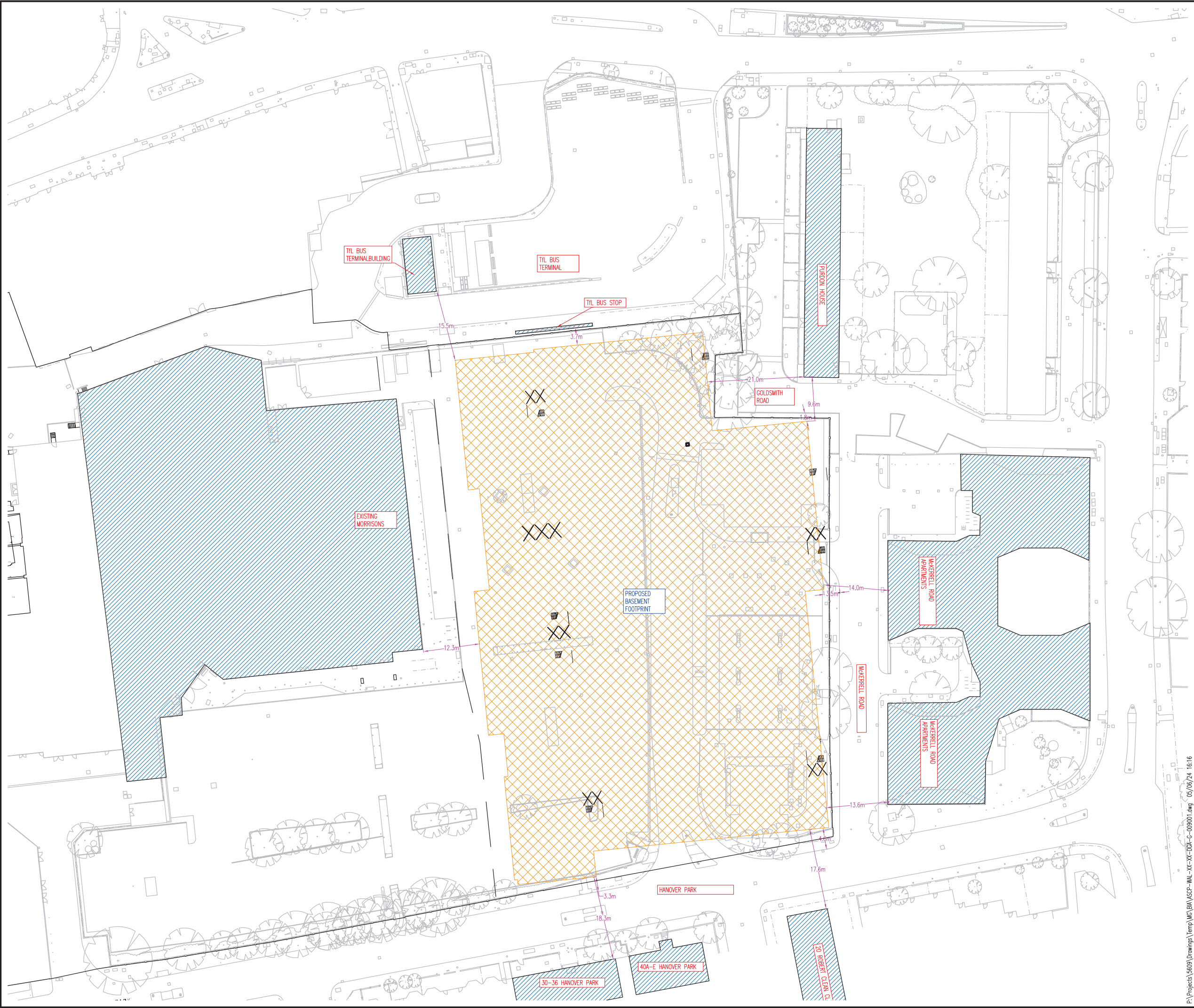
PO1	05.01.24	ASH	FIRST ISSUE
Rev.	Date	By	Details of Revision
Client	BERKELEY HOMES		
Project	AYLESHAM CENTRE		
Title	SITE CONSTRAINTS HISTORICAL BUILDINGS		
 Structural and Civil Engineers The Close Building 4 Magpie Street London SE13 2NG T: +44(0)20 7889 8800 e: london@walsh.co.uk walsh.co.uk			
Status	PRELIMINARY		
Drawn	ASH	All Scales	As Indicated
Date	11/24/23	Emp.	AF
Wk Ref.	0809	Chk.	AF
App'd.		App'd.	GI
Wk Ref.	0809	Wk Ref.	
Drawing No.	5609-WAL-ZZ-SW-DR-S-6012		
Rev.	PO1		



RISK ID:	RISK:	SEVERITY:	MITIGATION ACTION:
1.	ASBESTOS – UNITS 4 AND 10 OF ALEKHAM CENTRE IDENTIFIED AS HAVING ASBESTOS CONTAINING MATERIALS. IDENTIFIED IN TERRA CONSULTING/ASBESTOS REPORT (09/2019) – APPROX OF DELTA SHOWS PHASE 1 ENVIRONMENTAL ASSESSMENT REPORT (02/2021/02/2021)	HIGH	SPECIALIST TO CARRY OUT AN ASBESTOS SURVEY AND PROPOSE DETERMINE AN ASBESTOS REMOVAL STRATEGY TO BE INCORPORATED INTO THE DEMOLITION PHASE.
2.	BORHOLES SUNK IN 1883 AND 1950s MAY REMAIN IN SITU	HIGH	EXISTING CONDITION TO BE INVESTIGATED AS PART OF SITE INVESTIGATION SCOPE. MAY REQUIRE TO INFILLING AND CAPPING SUBJECT TO AGREEMENT WITH EA.
3.	GROUND CONTAMINATION SUCH AS HYDROCARBONS, PAH, PCBs, METALS AND ASBESTOS WITHIN UNDERLYING SOILS. LIKELY BURIED TANKS ON EXISTING PETROL FILLING SITE. POSSIBLE BURIED TANKS REMAIN FROM HISTORICAL USE (INDUSTRIAL/COMMERCIAL BUILDINGS OF UNSPECIFIED USE, PETROLWASH CAR GARAGE, DRY CLEANERS AND ELECTRICITY SUBSTATION)	MODERATE	GEOTECHNICAL AND GEOTECHNICAL SURVEYS AND FINING REPORTS TO BE COMMISSIONED. ALL SUBCONTRACTORS INVOLVED WITH GROUND WORKS TO PROVIDE METHOD STATEMENTS DEMONSTRATING UNDERSTANDING OF, & COMPLIANCE WITH, MEASURES OUTLINED IN SOIL REPORT AND USE OF APPROPRIATE PPE. POSSIBLE FURTHER SOIL TESTING AS NECESSARY.
4.	UNEXPLODED ORDNANCE (UO) – PREVIOUS DESK STUDY REPORTS IDENTIFY THAT HISTORICAL MAPPING INDICATES THAT RUNGS WERE PRESENT IN THE NORTH AND NORTHWEST OF THE SITE, LIKELY FROM WW1.	HIGH	A FULL UO SURVEY FOR THE SITE IS REQUIRED TO DETERMINE THE RISKS AND CONTROLS REQUIRED FOR THE CONSTRUCTION STAGE. THERE MAY BE A REQUIREMENT FOR A WATCHING BRIEF AND UO PROTECTION PLAN DURING THE CONSTRUCTION STAGE.
5.	EXISTING BELOW GROUND STRUCTURES INCLUDING THE ALEKHAM CENTRE'S EXISTING BASEMENT TO THE NORTHWEST OF SITE, PLUS WE UNDERSTAND, BELOW GROUND TANKS FOR THE PFS. DESK STUDY IDENTIFIES HISTORICAL UNDERGROUND STRUCTURES THAT MAY STILL EXIST OR PARTIALLY EXIST, SUCH AS PETROLWASH CAR GARAGE, BASEMENT, SEMI-SUBMERGED BOILER HOUSE AND OIL STEEL TANKS.	HIGH	INDICATE LOCATIONS OF HISTORIC STRUCTURES PLOTTED ON SITE CONSTRAINTS PLAN. EXISTING SURVEY INFORMATION TO BE COLLATED WITH ALEKHAM DEMO SCOPE TO INCLUDE BELOW GROUND STRUCTURES
6.	PHASING OF WORKS – PHASE 1 WORKS TO BE ADJACENT TO A LANE SUPERMARKET AND CAR PARK	HIGH	SEQUENCING OF WORKS TO BE CAREFULLY REVIEWED AND PLANNED. SUFFICIENT CLEAR WIDTH TO BE INCORPORATED FOR SHOPPING CENTRE AND TEMPORARY CAR PARK.
7.	PHASE 2 EXISTING BASEMENT – ADJUSTMENTS TO RETENTION SYSTEM OF PUBLIC HIGHWAYS	HIGH	DEMOLITION OF EXISTING REEF LANE SUPERSTRUCTURE AND BASEMENT TO ENSURE HIGHWAY NOT IMPACTED DURING WORKS. BASEMENT INFILL DETAILS TO BE DEVELOPED. EXISTING STRUCTURES SURVEY TO BE PROVIDED TO DEMOLITION CONTRACTOR FOR INCORPORATION INTO DEMOLITION STRATEGY.
8.	DAMAGE TO HIGHWAYS DURING WORKS	HIGH	BASEMENT TO BE DESIGNED TO RETAIN PUBLIC HIGHWAY. AP TO BE AGREED WITH HIGHWAYS / TfL REGARDS THE EXISTING BUS STATION.
9.	PARTY WALLS – WILL IMPACT EXISTING STANLEY AND PROPOSED SUBSTRUCTURE DESIGN. VIBRATION/MONITORING MAY BE REQUIRED.	MODERATE	PARTY WALL SURVEY TO CONFIRM LOCATIONS WHERE PWA WILL BE REQUIRED. W/L/DRM TO PRODUCE SECTIONS TO BE SUBMITTED TO SURVEYORS.
10.	EXISTING BELOW GROUND SERVICES INCLUDING EXISTING SUBSTATION	HIGH	EXISTING SERVICES TO BE SURVEYED PRIOR TO COMMENCEMENT OF WORKS. SERVICE STOPPING UP AND DIVERSION AGREEMENTS PRIOR TO WORKS.
11.	ARCHAEOLOGY	MODERATE /LOW	DESK STUDY REPORT BY COLTOWD ARCHAEOLOGY SUGGESTS MONITORING OF GEOTECHNICAL INVESTIGATIONS AND SUBSEQUENT TREAT TRENCHING MAY BE REQUIRED.
12.	EXISTING TREES WITH TREE PROTECTION ORDERS (TPOs) IDENTIFIED BOTH ALONG THE SOUTH BOUNDARY OF SITE AND INSIDE WITHIN THE CURRENT CAR PARK.	MODERATE	TREE PROTECTION ZONES TO BE CONFIRMED BY LANDSCAPE ARCHITECT/ARBORICULTURIST. WILL LIKELY IMPACT SUBSTRUCTURE AND BELOW GROUND SERVICES. CONSTRUCTION TO ENSURE PROTECTION DURING CONSTRUCTION.
13.	EXISTING NORTHERN RETAINING WALL BETWEEN CAR PARK AND BUS STATION	HIGH	SITE SURVEY AND TRIAL PITS TO DETERMINE RETAINING WALL CAPACITY TO DETERMINE ALLOWABLE SURCHARGE DURING EARLY CONSTRUCTION WORKS PRIOR TO BASEMENT EXCAVATION. PROPOSED LEVELS ASSESSMENT AGAINST PILE MAY LEAD TO DETERMINE WHETHER RETAINING HEIGHT COULD BE REDUCED PRIOR TO BASEMENT RETAINED WALL WORKS.



Appendix B Ground Movement Assessment Drawings



Notes

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE AND LEVELS IN METRES.

2. THIS DRAWING TO BE READ IN CONJUNCTION WITH RELEVANT ARCHITECT'S AND ENGINEER'S DRAWINGS AND SPECIFICATIONS.

3. THIS DRAWING HAS BEEN PRODUCED ELECTRONICALLY AND MAY HAVE BEEN PHOTO REDUCED OR ENLARGED WHEN COPIED. HENCE, DO NOT RELY ON ANY SCALES QUOTED. WORK ONLY TO FIGURED DIMENSIONS (DO NOT SCALE). ALL DIMENSIONS TO BE CHECKED ON SITE. ANY ERRORS OR OMISSIONS TO BE REPORTED TO THE ENGINEER IMMEDIATELY.

C.D.M.

SIGNIFICANT RISKS AND HAZARDS:

KEY DESIGN DECISIONS TO REDUCE OR ELIMINATE HAZARDS:

P02

05/06/24

MG

BASEMENT PLAN UPDATED

P01

26/04/24

MG

FIRST ISSUE

Rev.

Date

By

Details Of Revision

Client

BERKELEY HOMES

Project

THE AYLESHAM CENTRE

Title

GROUND MOVEMENT ASSESSMENT CONSTRAINTS

W

WALSH

Structural and Civil Engineers

The Clove Building
4 Maguire Street
London SE1 2NQ
t: +44(0)20 7089 6800
e: london@walsh.co.uk
walsh.co.uk

Status

PRELIMINARY

Drawn

MG

A3 Scales

NTS

Date

26/04/24

Eng.

MG

Chk.

RB

App'd.

RB

WA Ref.

5609

Suitability

FOR INFO

ACTUAL DIMENSION = 50mm

Drawing No.

ASCP-WAL-XX-XX-DGA-G-009001

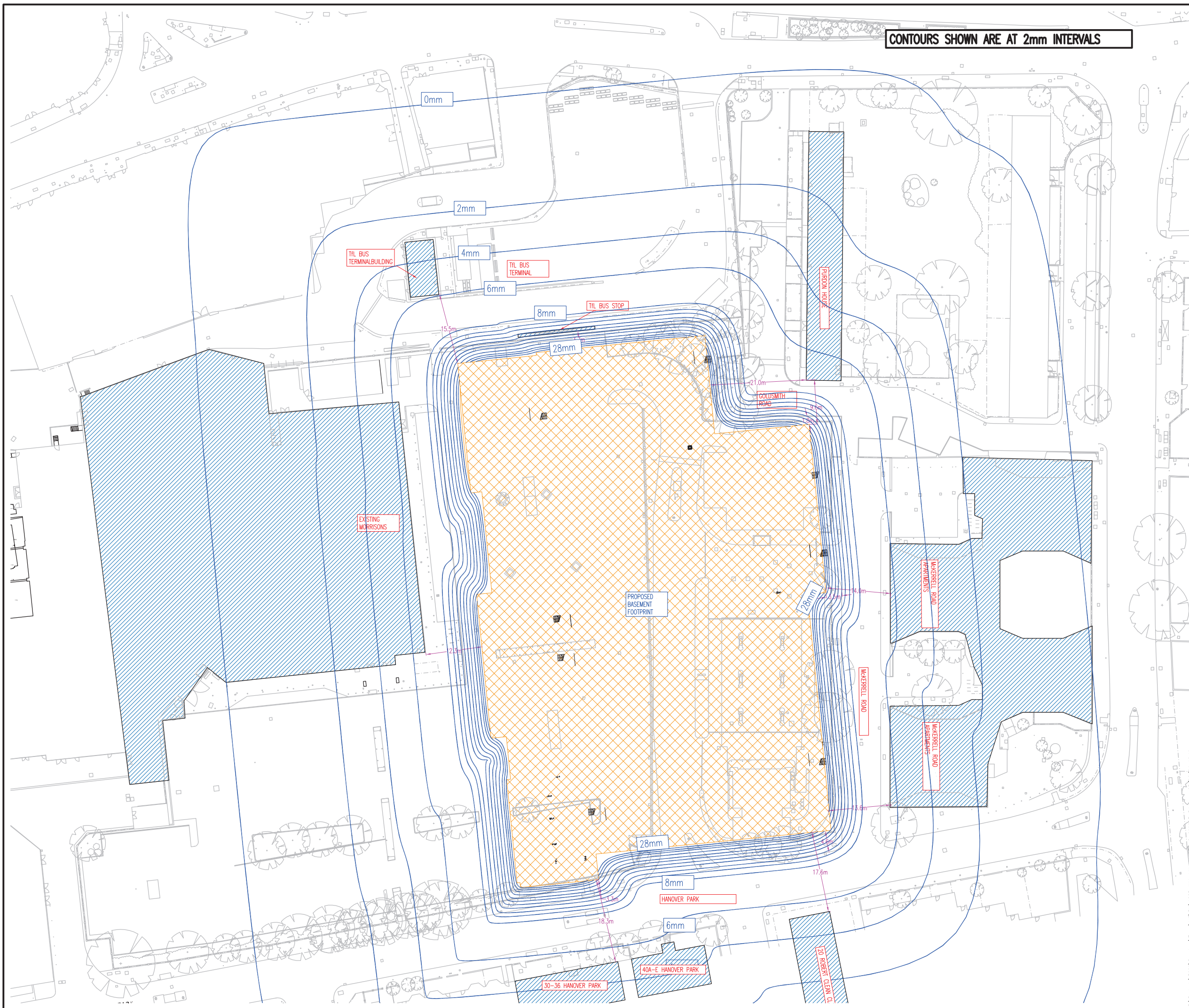
Rev.

P02

P:\Projects\5609\Drawings\Temp\MG\BA\SCP-WAL-XX-XX-DGA-G-009001.dwg

05/06/24

16:16



Notes

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE AND LEVELS IN METRES.
2. THIS DRAWING TO BE READ IN CONJUNCTION WITH RELEVANT ARCHITECT'S AND ENGINEER'S DRAWINGS AND SPECIFICATIONS.
3. THIS DRAWING HAS BEEN PRODUCED ELECTRONICALLY AND MAY HAVE BEEN PHOTO REDUCED OR ENLARGED WHEN COPIED. HENCE, DO NOT RELY ON ANY SCALES QUOTED. WORK ONLY TO FIGURED DIMENSIONS (DO NOT SCALE). ALL DIMENSIONS TO BE CHECKED ON SITE. ANY ERRORS OR OMISSIONS TO BE REPORTED TO THE ENGINEER IMMEDIATELY.

C.D.M.

SIGNIFICANT RISKS AND HAZARDS:

KEY DESIGN DECISIONS TO REDUCE OR ELIMINATE HAZARDS:

P02	05.06.24	MG	BASEMENT UPDATE
P01	26/04/24	MG	FIRST ISSUE
Rev.	Date	By	Details Of Revision

Client

BERKELEY HOMES

Project

THE AYLESHAM CENTRE

Title

INSTALLATION AND DEFLECTION GROUND MOVEMENT CONTOURS



Structural and Civil Engineers

The Clove Building
4 Maguire Street
London SE1 2NQ
t: +44(0)20 7089 6800
e: london@walsh.co.uk

walsh.co.uk

Status

PRELIMINARY

Drawn	MG	A3 Scales				NTS	
Date	26/04/24	Eng.	MG	Chk.	RB	App'd.	RB
WA Ref.	5609					Suitability	FOR INFO

ACTUAL DIMENSION = 50mm

Drawing No.	Rev.
ASCP-WAL-XX-XX-DGA-G-009003	P02



Contact

Walsh - Structural, Civil & Geotechnical Engineers

London Office

The Clove Building
4 Maguire Street
London, SE1 2NQ

+44 (0)20 7089 6800

Birmingham Office

156 Great Charles Street
Birmingham
B3 3HN

+44 (0)121 281 9681

contact@walsh.co.uk

www.walsh.co.uk



Appendix: Ground Conditions and Land Contamination

Annex 1: Legislation and Planning Policy

Annex 2: Phase 1 Land Contamination Assessment (Phase 1 LCA) (RMA Environmental; December 2023)

Annex 3: Basement Impact Assessment (Walsh 2024)

Annex 4: Utilities Survey (Plowman Craven; 2018)

Job Reference: KAS/37515
Date: 19/01/18

AYLESHAM CENTRE INVESTIGATION OF UNDERGROUND SERVICES

GENERAL

Record drawings were obtained for drainage, water, gas, electricity and British Telecom and have been used to supplement the electronically traced information. No local record drawings were available for the centre

DRAINAGE

All manhole covers were lifted where possible with pipe sizes and main outlet invert depths recorded and connections proved to source or destination by resonance or dye testing. Where necessary, a transmitting probe was inserted into the pipe and the route traced electronically. Chambers have been plotted to scale where significantly larger than the cover.

Drainage from the south side of Morrisons flows to the east into the southern service yard via interceptor 108 the collects foul drainage before connecting to an internal manhole via manhole 115.

Drainage on the north service yard flows via manhole 105 to an internal manhole.

Storm drainage on the west side of the carpark flows to interceptor 133. This cover was buried.

All drainage from the petrol station flows into a Thames Water manhole in McKerrell Road.

The storm drainage passes through an interceptor first.

WATER

Electronic connections were made to all water surface features and pipes traced where possible. Non-metallic mains and services have been plotted from ground penetrating radar, trench scars, verbal information or record drawings, where possible. Pipe sizes were measured at access points or taken from records.

There were no Thames Water mains within the pavements of the site except for a short length of main to a fire hydrant just south of the petrol station. Service connections crossing the pavement have not been shown as the routes of the service mains are not necessarily perpendicular the building.

GAS

Electronic connections were made to all gas surface features and pipes traced where possible. Non-metallic mains and services have been plotted from ground penetrating radar, trench scars, verbal information or record drawings, where possible. Pipe sizes were measured at access points or taken from records.

No gas mains that were shown on the record drawings could be electronically traced.

Head Office

Plowman Craven House,
2 Lea Business Park,
Lower Luton Road,
Harpenden, Herts AL5 5EQ
Tel: **+44 (0)1582 765566**

London Office

115 Southwark Bridge Road,
London SE1 0AX
Tel: **+44 (0)20 7490 7700**

Email: post@plowmancraven.co.uk
Web: www.plowmancraven.co.uk

- Scan to BIM
- BIM Consultancy
- Construction Verification
- Measured Building Surveys
- Underground Utilities Mapping
- Topographical Surveys
- Correlation Surveys
- Aerial Surveys & Inspection
- Surveys for Planning & Rights of Light
- Structural & Environmental Monitoring
- Area Referencing
- Building Surveys & Technical Due Diligence
- Estate Data Management Services
- Lease Plan & Boundary Surveys
- Infrastructure Surveys
- Rail Surveys
- Line and Level Surveys



Plowman Craven Limited.
Registered in England No: 06429056.
Registered Office: Plowman Craven House,
2 Lea Business Park, Lower Luton Road,
Harpenden, Herts AL5 5EQ
VAT Registration No: 972 4566 88.

ELECTRICITY

Electricity cables have been traced from access points such as cable risers, cable pits and other electrical features such as lamp posts. The identification of electricity cables is made by association with the feature it was traced from or taken by correlating the traced services with the record drawing. In general cable routes traced agreed with those shown on the record drawing. It was not clear from the record drawings if there was high voltage running with the low voltage in the pavement of Rye Lane.

BRITISH TELECOM

Inspection covers were lifted with details recorded and duct routes traced where possible. Duct routes were traced as shown on the record drawings.

GROUND PENERTATING RADAR

Any service routes that could not be identified were drawn in ground penetrating unknown service layer.

CAUTIONARY NOTES

Electro-detection techniques have been used in the location of underground services. The results are not infallible and trial excavations must be carried out to confirm service identification, positions and particularly depths. Although all reasonable effort has been made in searching available record drawings, the completeness of the underground services information cannot be guaranteed.