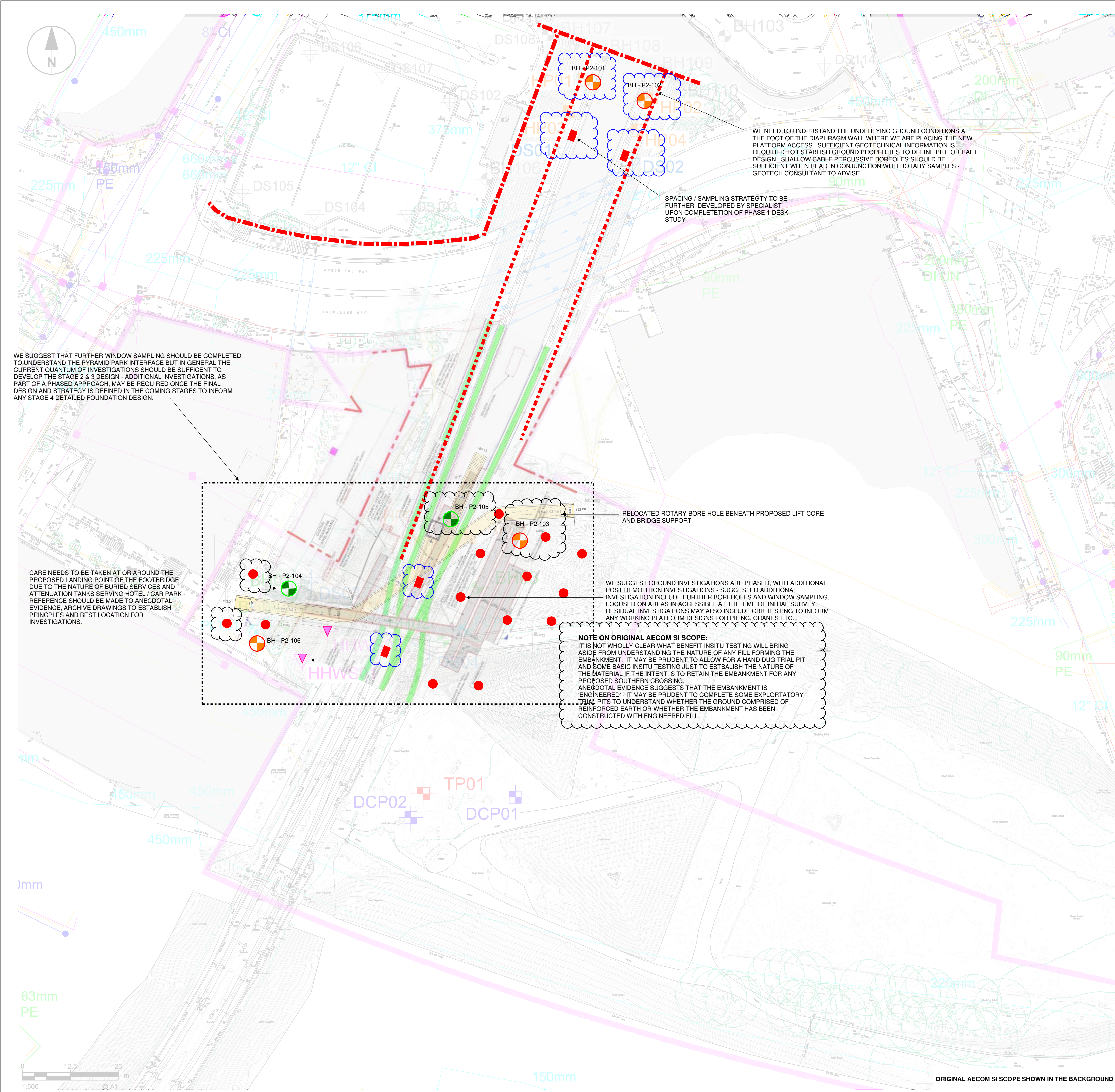




GENERAL NOTES

GEOTECHNICAL SPECIALIST TO DEFINE THE DETAILED SAMPLING REGIME FOR THE WORKS.

FROM A HIGH LEVEL PERSPECTIVE, GIVEN THE OPERATIONAL NATURE OF THE SITE, ANY INVESTIGATIONS ARE LIKELY TO BE PHASED TO ESTABLISH THE EXACT NATURE OF THE GEO TECHNICAL AND GEO ENVIRONMENTAL CONDITIONS ACROSS THE SITE.

A MULTI PHASESD APPROACH SHOULD BE CONSIDERED TO BOTH THE GEOTECHNICAL AND GEO ENVIRONMENTAL GROUND CONDITIONS.

FURTHER INVESTIGATIONS MAY BE REQUIRED TO UNDERSTAND ANY RECORDED HOT SPOTS AND TO SAMPLE AREAS CURRENTLY OCCUPIED BY STRUCTURES.

GEO ENVIRONMENTAL

THE GEO ENVIRONMENTAL INVESTIGATION AND TESTING REGIME SHOULD BE DEVELOPED TO REFLECT THE NATURE OF THE PROPOSED CONSTRUCTION, TOGETHER WITH A CONCEPTUAL GROUND MODEL RISK DEFINING PONTENTIAL SOURCES OF CONTAMINATION AND RECEPTORS IE PUBLIC, CONSTRUCTION OPERATIVES AND WIDER SENSITIVITIES AROUND THE SITE. THIS INVESTIGATION SHOULD TARGET ANY ANALOGOUS HISTORIC CONSTRUCTION RECORDED AS PART OF A DETAILED PHASE 1 DESK STUDY THAT MAY FORM A RESIDUAL RISK OF CONTAMINATION.

IT WOULD BE PRUDENT TO COMPLETE SUFFICIENT GEO-ENVIRONMENTAL INVESTIGATIONS TO UNDERSTAND THE NATURE OF CONTAMINATION ON SITE TO INFORM EARTHWORKS, REMEDIATION STRATEGY AND MATERIALS MANAGEMENT IE CHEMICAL CLASSIFICATION OF THE UNDERLYING STRATA - HAZARDOUS / NON HAZARDOUS / INERT.

GEOTECHNICAL

THE CABLE PERCUSSIVE BOREHOLES ARE REQUIRED TO ESTABLISH THE GEOTECHNICAL PROGRESSION BENEATH THE SITE. THE INTENT OF ANY INVESTIGATION WOULD BE TO CAPTURE THE PROPERTIES OF THE GROUND THROUGH SAMPLING AND LABORATORY TESTING TO INFORM THE FOUNDATION DESIGN FOR THE PRIMARY STRUCTURE BASED ON A PILED, GROUND IMPROVED OR RAFT FOUNDATION SOLUTION.

ANY BOREHOLEINVESTIGATIONS SHOULD EXTEND TO APPROXIMATELY 5M BEYOND THE DEPTH OF A PILED FOUNDATION DESIGN. FROM REFERENCE TO EXISTING PUBLISHED BORE HOLE DATA SHALES / MUDSTONES ARE RECORDED AT AROUND 15-20m DEPTH. ANY ROTARY BORHOLES MAY BE APPROXIMATELY 20-25m IN DEPTH.

A NUMBER OF MONITORING POINTS WITHIN THE BOREHOLES WILL BE REQUIRED ACROSS THE SITE TO ESTABLISH GROUND WATER LEVELS AND ALSO TO MONITOR GROUND GAS TO INFORM ANY FOUNDATION CONSTRUCTION TECHNIQUES, PROTECTION MEASURES ETC....

ISOLATED CBR TESTS MAY BE OF VALUE TO INFORM TEMPORARY WORKS BUT IT WOULD BE MORE PRUDENT TO COMPLETE THESE AS PART OF ANY SPECIFIC WORKS AHEAD OF ANY TEMPORARY WORKING PLATFORM DESIGN IE AFTER DEMOLITION AND CLEARANCE OF THE SITE.

NOTES:

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S AND ENGINEER'S DRAWINGS AND SPECIFICATIONS.
2. DO NOT SCALE FROM THIS DRAWING. ANY AMBIGUITIES OR ERRORS ON DRAWING SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY. ALL DIMENSIONS TO BE CHECKED / VERIFIED ON SITE.
3. ALL LEVELS ARE IN METRES, ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
4. FOR GENERAL NOTES REFER TO DRAWING XXX-REN-XXX-XX-DR-S-0010.
5. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DESIGN PHILOSOPHY, RENAISSANCE DOCUMENT REFERENCE XXX-REN-XXX-XX-RP-S-0001.
6. GEOTECHNICAL SPECIALIST TO ENSURE PROPOSED INVESTIGATIONS ALIGN WITH MINIMUM REQUIREMENTS FOR SAMPLING AND SPACING TO EC7 PART 2 APPROPRIATE TO THE NATURE OF THE DEVELOPMENTS CONSIDERED.
7. SAMPLING LOCATIONS TO BE VERIFIED ON SITE BY GEO TECHNICAL SPECIALIST TAKING INTO CONSIDERATION BURIED AND OVERHEAD SERVICES - APPROPRIATE H AND S / RAMS TO BE COORDINATED WITH VARIOUS STATUTORY UNDERTAKERS, LANDOWNERS AND MAIN CONTRACTOR, INCLUDING METRO LINK APPROVALS AHEAD OF WORKS. WORKS TO BE COORDINATED BY MAIN CONTRACTOR.

FOR THE PURPOSES OF THE GEOTECHNICAL INVESTIGATIONS IT IS ASSUMED GEOTECHNICAL SPECIALIST WILL ACT AS PRINCIPAL CONTRACTOR UNDER CDM REGULATIONS.

KEY

- WINDOW SAMPLE
- CABLE PERCUSSIVE BORE HOLE
- CABLE PERCUSSIVE BORE HOLE WITH ROTARY FOLLOW ON TO DEFINE ROCK QUALITY
- TRIAL PITS TO ESTABLISH NATURE OF FOUNDATIONS OF RETAINED STRUCTURES.
- INDICATES INITIAL INVESTIGATIONS THAT WERE COMPLETE BY TIER 03.11.24

P04	ISSUED FOR INFORMATION	25.11.24	BH	SHi
P03	UPDATED TO REFLECT MTG COMMENTS 14.10.25	31.10.24	AI	DW
P02	ISSUED FOR INFORMATION	11.10.24	AI	DW
P01	ISSUED FOR INFORMATION	10.09.24	AI	DW
Rev:	Description:	Date:	By:	Chkd:



Renaissance Associates Ltd
Carvers Warehouse
77 Dale Street
Manchester
M1 2HG

Project:

BURY INTERCHANGE

Drawing Title:

**SITE INVESTIGATION
PHASE 1 SITE**

Status:

PRELIMINARY

Size:	Date:	Drawn By:	Designed By:	Checked By:			
A1	JAN'22	BH	AI	SHi			
Scale:	NTS	Project No:	2401-09				
Project:	Originator:	Volume:	Level:	Type:	Role:	Category / Number:	Rev:

BURY - REN- XX -XX-SK-S-01001 P04