

CDM 2015: RESIDUAL RISK

GROUND CONDITIONS MAY VARY ACROSS SITE AND THE STABILITY OF EXCAVATIONS MAY VARY. CONTRACTOR TO SEEK ADVICE FROM THE GEOTECHNICAL ENGINEER SHOULD GROUND CONDITIONS DIFFER FROM EXPECTED.

- 1

CONTRACTOR TO NOTE PRESENCE OF ADJACENT CANAL. ALL PARTY WALL AGREEMENTS TO BE IN PLACE PRIOR TO COMMENCING CONSTRUCTION.
- 2

CONTRACTOR TO NOTE PRESENCE OF BELOW GROUND SERVICES. THERE ARE CURRENTLY SOME CLASHES WHICH WILL REQUIRE REVIEWING. ALLOWANCE TO BE MADE FOR SERVICE DIVERSIONS OR ALTERNATIVELY A REVISED SITE LAYOUT.
- 3

SOME BULK ACM WAS FOUND WITHIN BHS. CONTRACTOR TO DEVELOP AND IMPLIMENT AN ASBESTOS MANAGEMENT PLAN THROUGHOUT THE SITE CONSTRUCTION PHASE.
- 4

POTENTIAL PRESENCE OF COAL TAR CONTAINING MATERIAL WAS FOUND WITHIN THE EXISTING ROAD BUILD UP. EXISTING ROAL LEVELS TO BE MAINTAINED WHERE POSSIBLE TO MITIGATE RISK OF CONTAMINATED WASTE REMOVAL.

FOUNDATION DEPTH KEY

- DENOTES SHALLOW TRENCH FOOTING FOUNDATION SYSTEM. ALLOWANCE TO BE MADE FOR 900mm DEEP MASS FILL CONCRETE (GEN3) ONTO FIRM TO STIFF CLAY AT APPROXIMATELY 1.5m BELOW EXISTING GROUND LEVEL.
- DENOTES CFA PILED FOUNDATION SYSTEM TO APARTMENT BLOCKS. SPECIALIST SUB-CONTRACTOR INPUT REQUIRED TO CONFIRM DIAMETER, DEPTH AND METHOD OF PILING.

WOULD SUGGEST WE CREATE A NEX EXTERNAL RETAINING WALL AND BANK UP TO HIGHWAY TO NEGATE ANY WORKS TO THE EXISTING WALL. NEW WALL WILL BE APPROXIMATELY 900mm HIGH WITH MAX 1 IN 3 BATTER UP TO BACK OF PAVEMENT LINE.

CURRENT LAYOUT CLASHES WITH EXISTING SERVICES. SITE LAYOUT TO BE REVIEWED.

DUE TO PRESENCE OF LOOSE SANDS IT IS PROPOSED THIS BLOCK OF HOUSES IS PILED. ALLOWANCE TO BE MADE FOR HEAVE PRECAUTIONS ADJACENT EXISTING TREES.

THE FOLLOWING SUMMARISES THE MAIN ISSUES HIGHLIGHTED BY THE LK GROUP SITE INVESTIGATION REPORT BUT MUST NOT BE CONSIDERED EXHAUSTIVE AND WILL BE UPDATED UPON RECEIPT OF FINAL REPORT

SUMMARY OF GROUND CONDITIONS AT SHALLOW DEPTH	VARIABLE DEPTHS OF MADE GROUND, OVER SOFT TO FIRM, TO VERY STIFF AT DEPTH, SANDY SILTY CLAY OVER VERY DENSE SANDS.
TREE INFLUENCE	UNDERLYING SOILS ARE COHESIVE AND WILL BE SUBJECT TO VOLUME CHANGE.
CLAY PLASTICITY	LOW TO MEDIUM VOLUME CHANGE POTENTIAL
GROUND WATER AND SHALLOW EXCAVATION STABILITY	SHALLOW GROUNDWATER NOT ENCOUNTERED DURING SI BUT MONITORED BETWEEN 0.5m AND 2.0m BGL. TRIAL PITS GENERALLY STABLE DURING SI WORKS
CONTAMINATION	RISK DUE TO ELEVATED CONCENTRATIONS OF PAHs IN MADE GROUND. 600mm CLEAN COVER TO GARDENS 300mm CLEAN COVER TO LANDSCAPED AREAS BULK ACM OBSERVED IN BH 5. ASBESTOS MANAGEMENT PLAN TO BE DEVELOPED/ADOPTED. WATER PIPELINE ASSESSMENT TO BE UNDERTAKEN. PRESENCE OF COAL TAR FOUND BENEATH EXISTING ROADS
OBSTRUCTIONS	NONE NOTED.
MINING	WITHIN A COAL AUTHORITY REPORTING AREA BUT NOT WITHIN A DEVELOPMENT HIGH RISK AREA.
GROUND GAS PROTECTION MEASURES	CHARACTERISTIC SITUATION 1 NO SPECIAL GAS PROTECTION MEASURES NECESSARY
RADON PROTECTION MEASURES	NO MEASURES CONSIDERED NECESSARY
DESIGN SULPHATE CLASS	DS-1
ACEC CLASS	AC-1s
SPECIAL REQUIREMENTS FOR SUBSTRUCTURE MASONRY	NONE
FLOOD RISK	FLOOD ZONE 1
BEARING CAPACITY	75kN/m2 AT 1.5m BGL IN FIRM TO STIFF CLAYS 100kN/m2 AT 2m BGL IN FIRM TO STIFF CLAYS
FURTHER INVESTIGATION REQUIRED	REFER TO HIGHLIGHTED AREA ON SK-S-0001

CURRENT LAYOUT CLASHES WITH EXISTING SERVICES. M&E ENGINEER TO ADVISE WHETHER SERVICES CAN BE DIVERTED.

P2	19.04.21	NB	NB	ISSUE FOR INFORMATION
P1	23.03.21	NB	NB	ISSUE FOR INFORMATION
No	DATE	DRAWN	REV'D. ENG	AMENDMENT

FOR INFORMATION

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CLIENT	ROWLINSON CONSTRUCTION		
PROJECT	SILK STREET, GORTON		
DRAWN BY	NB	ENGINEER	NB
TITLE	FOUNDATION ZONING PLAN		
SCALE	NTS	SHEET	A1
DRAWING No.	5015017-RDG-00-ZZ-SK-0002		ISSUE No.
			P2