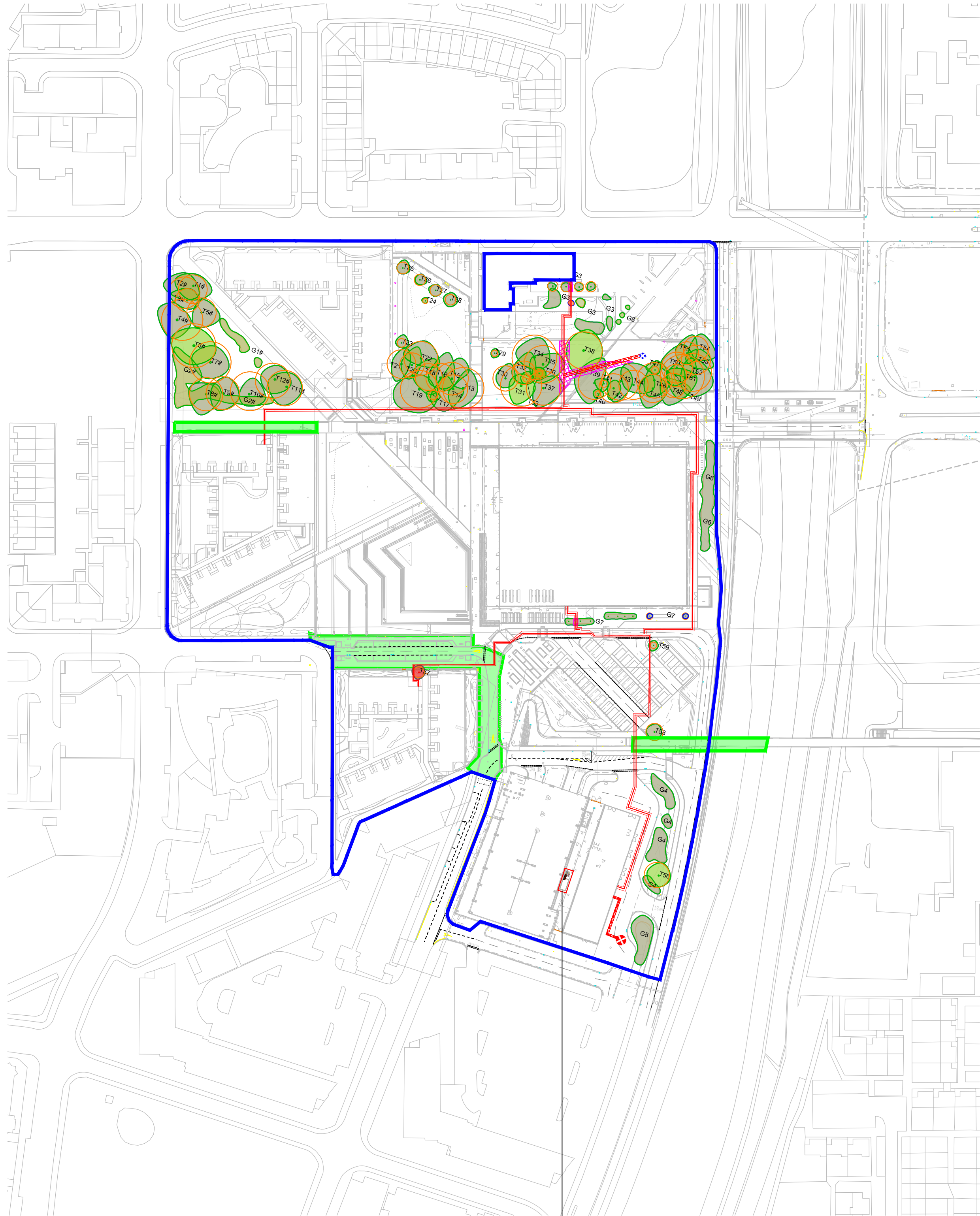
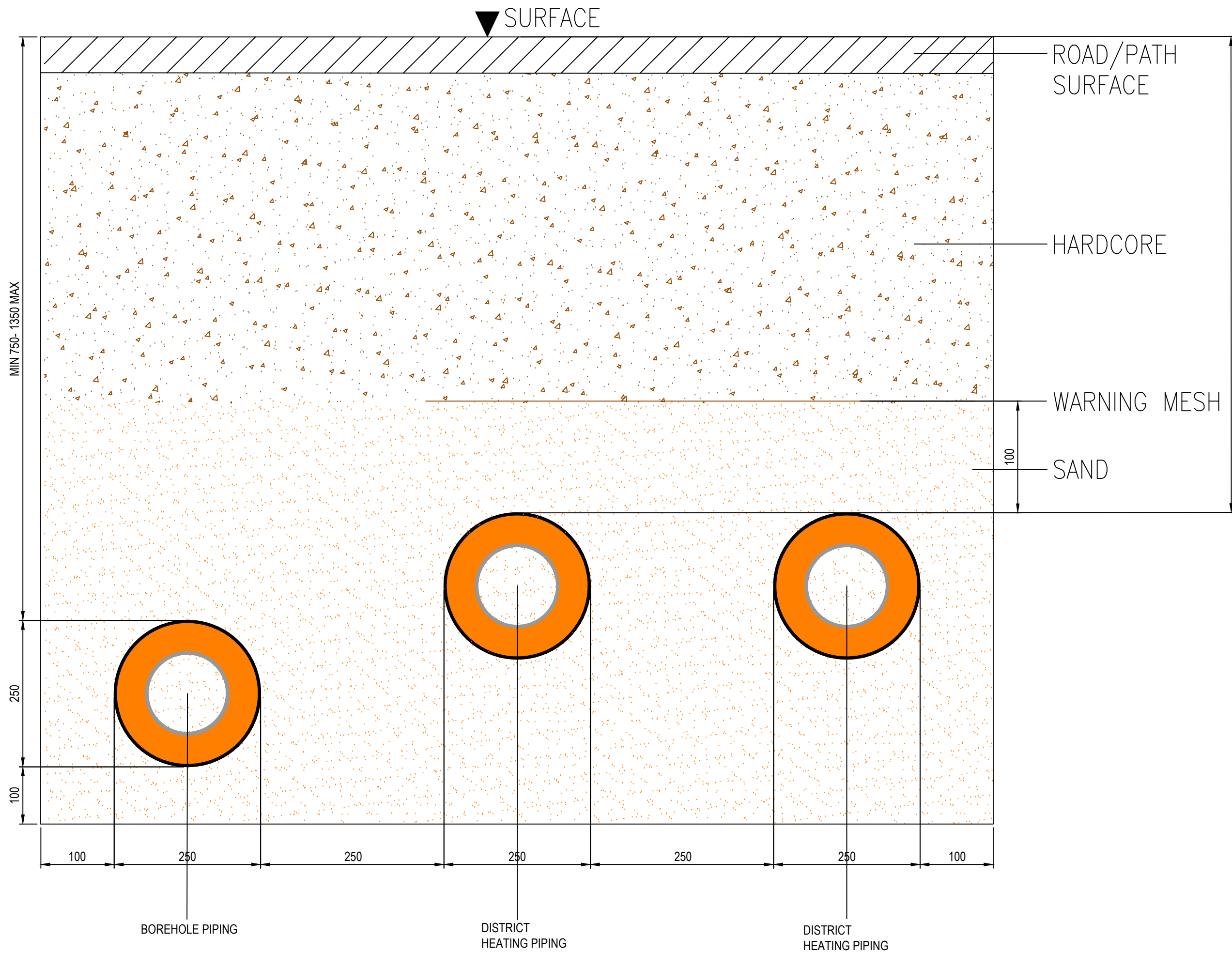


VE-A1-V13 Prepared By: Thea Conliffe on 18/07/2024 at 10:23 AM

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GRP ENCLOSURE
AND TRANSFORMER



TYPICAL TRENCH DETAIL FOR DISTRICT
HEATING PIPE WORK AND BOREHOLE
PIPE WORK

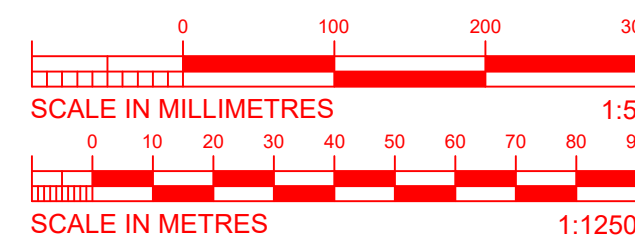
Tree Quality Categorisation
(Based on BS 5837:2012 Trees in relation to design, demolition
and construction - Recommendations)

- Category A (High quality)
- Category B (Moderate quality)
- Category C (Low quality)
- Category U (Unsuitable for retention)

HEALTH AND SAFETY INFORMATION
ALL WORKS SHALL BE CARRIED OUT BY COMPETENT PEOPLE. IN ADDITION TO THE HAZARDS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, THE DESIGNERS HAVE REVIEWED THE H&S RISKS AND DEVELOPED A DESIGNERS RISK ASSESSMENT. THE CONTRACTOR SHALL REFER TO THE CONSTRUCTION PHASE PLAN AND ADOPT THE H&S AND DESIGNERS RISK ASSESSMENT FINDINGS IN THE DEVELOPMENT OF THEIR RAMS, BEFORE UNDERTAKING ANY WORKS. PLEASE ALSO NOTE THE FOLLOWING -
DIFFICULT TO MANAGE THESE MAY BE COMMON RISKS BUT BE IN ANKWARD LOCATIONS, EG. SCAFFOLDING, DELIVERIES, PROXIMITY OF GAS MAINS OR POWER LINES, WORKING IN CLOSE PROXIMITY TO THE PUBLIC ETC.
UNUSUAL THESE MAY BE COMMON RISKS OCCURRING IN UNUSUAL CIRCUMSTANCES. THEY MIGHT ALSO BE UNUSUAL BECAUSE OF THE NATURE OF THE CONSTRUCTION METHODS OR SITE CONDITIONS, EG. UNSTABLE OR CONTAMINATED GROUND, ASBESTOS, LEAD PAINT, SILICA DUST ETC.
NOT LIKELY TO BE OBVIOUS TO A CONTRACTOR OR DESIGNER. THE CONTRACTOR, AT THE PRICING STAGE, AS WELL AS DURING THE DESIGN CYCLE MAY NOT BE AWARE OF SOME OF THE LESS OBVIOUS RISKS EG. STRUCTURAL ISSUES ASSOCIATED WITH WORKING AROUND EXISTING FOUNDATIONS, FRAGILE ROOFS OR FRAGILE SURFACES ETC.
OPERATIONAL ACCESS - HORIZONTAL, VERTICAL, PEDESTRIAN, VEHICLE / PLANT ARE THERE SIGNIFICANT ISSUES REGARDING ACCESS? IF YES OUTLINE BELOW OR REFER TO APPROPRIATE DOCUMENT ETC.
OPERATIONAL HANDLING / LIFTING STRATEGY HAVE YOU IN SO FAR AS REASONABLY PRACTICABLE REDUCED MANUAL LIFTING? IDENTIFY ANY ITEMS THAT MAY REQUIRE EXCESSIVE LIFTING ARRANGEMENTS TO BE PUT IN PLACE AS WELL AS IDENTIFY ANY UNUSUAL RISKS ASSOCIATED WITH HANDLING AND LIFTING.
HEALTH AND SAFETY FILE INCLUSIONS IDENTIFY ANY HAZARDS / SIGNIFICANT RISKS ASSOCIATED WITH MAINTENANCE OR REMOVAL / DEMOLITION OF THE CONTENTS OF THIS DRAWING AT A LATER DATE.

- KEY
- CLIENT/ LANDLORD BOUNDARY
 - DOTTED RED LINE DENOTES PROPOSED TRENCH FOR DISTRICT HEAT PIPING AND BOREHOLE PIPING, APPROX WIDTH OF 1.5M, WITH AN ADDITIONAL 1M WORKING WIDTH REQUIRED EACH SIDE
 - ADOPTED HIGHWAY/ PATHWAY
 - NEW RE-INJECTION BOREHOLE
 - NEW ABSTRACTION BOREHOLE
 - T1/G1/W1 Trees
 - Root Protection Area (RPA)
 - Approximate tree location

ISSUED FOR INFORMATION



PA3	18.01.24	UPDATED TRENCH ROUTE	TC	OW	JM
PA2	11.01.24	UPDATED TRENCH ROUTE	TC	OW	JM
PA1	18.12.23	ISSUED FOR INFORMATION	TC	OW	JM
REV	DATE	DESCRIPTION	DRN	CHK	APP

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Project: MMU BIRLEY FIELDS	
Title: TRENCH DETAILS FOR DISTRICT HEATING AND BOREHOLE PIPING	
DATE: 18.01.2024	SCALE: N.T.S.
SHEET: INFORMATION	Status: S2
Stage: 4	Rev: PA3
50744-VE-XX-XX-SI-M-5003	