

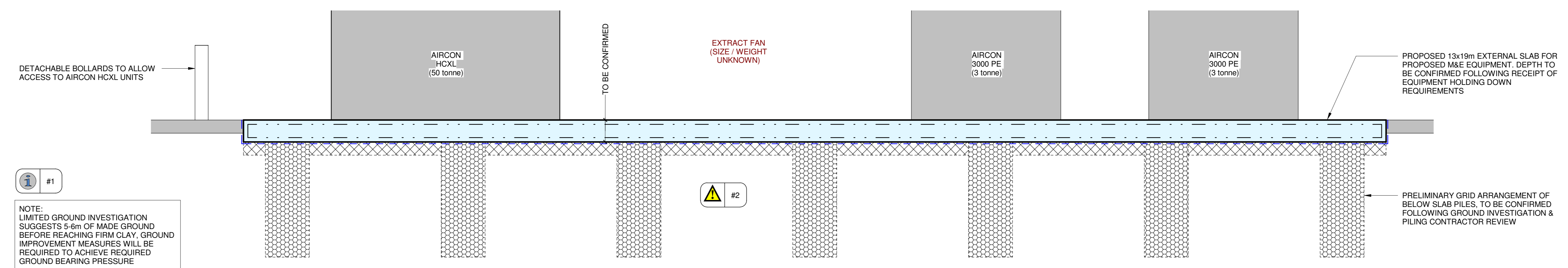
SAFETY HEALTH AND ENVIRONMENTAL INFORMATION	
IN ADDITION TO THE HAZARDS / RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING RISKS AND INFORMATION.	
RISKS LISTED HERE ARE NOT EXHAUSTIVE. REFER TO CURRENT CDM RISK ASSESSMENT REGISTERS	
KEY TO HEALTH AND SAFETY SYMBOLS	
	INDICATES A RESIDUAL RISK REQUIRING A COMPULSORY ACTION
	INDICATES A RESIDUAL RISK FOR INFORMATION
	INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION
	INDICATES A RESIDUAL RISK AS A WARNING
	INDICATES A POTENTIAL ENVIRONMENTAL RISK
SAFETY, HEALTH AND ENVIRONMENT INFORMATION	
NOTES BELOW ARE ADDITIONAL TO HAZARDS/RISKS NORMALLY ASSOCIATED WITH THIS TYPE OF WORK	
CONSTRUCTION	
1. EXISTING GROUND LIMITED GROUND INVESTIGATION SUGGESTS 5-6m OF MADE GROUND BEFORE REACHING FIRM CLAY. GROUND IMPROVEMENT MEASURES WILL BE REQUIRED TO ACHIEVE REQUIRED GROUND BEARING PRESSURE	
2. EXISTING SERVICES CONTRACTOR TO NOTE EXISTING BELOW GROUND AND OVERHEAD UTILITIES IN PROPOSED PILING AREA	
DEMOLITION	
FOR INFORMATION RELATING TO USE, CLEANING AND MAINTENANCE SEE THE HEALTH AND SAFETY FILE, AND CDM RISK REGISTER	
IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT	

NOTE PURPOSE OF DRAWING IS FOR REVIEW & COMMENT ONLY. FURTHER M&E INFORMATION IS REQUIRED FROM EXTERNAL SUBCONTRACTORS BEFORE DETAILED DESIGN OF EXTERNAL SLABS AND GROUND IMPROVEMENT CAN BEGIN

- EXTERNAL SLAB ASSUMPTIONS**
- NO BUNDS ARE REQUIRED TO ANY EXTERNAL EQUIPMENT
 - NO WASHDOWN REQUIRED TO ANY EXTERNAL EQUIPMENT. NO GULLIES ARE REQUIRED TO TAKE AWAY AND TREAT DIRTY WATER. ONLY RAINFALL WILL BE DESIGNED FOR.
 - FALLS ACROSS THE SLAB WITH BE INCORPORATED TO PREVENT STORM WATER FROM PONDING ON THE SLAB. IT IS ACCEPTABLE TO ALL EXTERNAL EQUIPMENT TO BE CAST ON A CROSS-FALL.
 - DETAILED DESIGN OF THE EXTERNAL SLABS IS DEPENDANT ON GROUND INVESTIGATION RESULTS AND ACHIEVABLE GROUND BEARING PRESSURE TO GROUND IMPROVEMENT SPECIALISTS DESIGN.
 - DETAILED DESIGN OF SUPPORTING STRUCTURE FOR M&E EQUIPMENT FROM BAGHOUSE INTO UNIT 3 TO BE CONFIRMED ON RECEIPT OF M&E REQUIREMENTS/LOADINGS.
 - NO DESIGN CHECK HAS BEEN MADE TO ENSURE ADEQUATE SPACE IS AVAILABLE FOR EXTERNAL EQUIPMENT ERECTION, INSTALLATION & MAINTENANCE.

- SUBSTRUCTURE OPTIONS**
- OPTION 1**
GROUND IMPROVEMENT TO ACHIEVE MINIMUM 100kPa REINFORCED GROUND BEARING SLAB 250mm THICK.
- OPTION 2**
250mm THICK RC SUSPENDED SLAB WITH H16 BARS AT 200mm CENTRES BOTH DIRECTIONS TOP & BOTTOM, ON 450mm DIA. CFA PILES APPROX 20m LONG AT MAXIMUM 5m CENTRES.
- PRELIMINARY ESTIMATES FOR REVIEW AND COMMENTS ONLY. TO BE CONFIRMED UPON CONFIRMATION OF:
- EQUIPMENT LOADING, LAYOUT, HOLDING DOWN REQUIREMENTS
- ACCESS REQUIREMENTS
- GROUND INVESTIGATION INTERPRETIVE REPORT AND PILING CONTRACTOR REVIEW

GROUND FLOOR GENERAL ARRANGEMENT PLAN
1:50



TYPICAL SECTION THROUGH EXTERNAL SLAB
1:25

REV	DESCRIPTION	DATE	BY
P1	FIRST ISSUE	15-09-23	JN

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CLIENT

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P1350

PROJECT TITLE
Ecobat Commercial Shredder

DRAWN BY: JN	POSITION: ST	DATE: 19-07-2023
CHECKED BY: Gavin Vickers	POSITION: Technical Director	DATE: 18/09/2023
APPROVED FOR ISSUE BY: Jon Schaff	POSITION: Architect	DATE: 18/09/2023

DRAWING TITLE
EXTERNAL WORKS PLAN

DRAWING STATUS:
S3 : SUITABLE FOR REVIEW & COMMENT

SCALE: DRAWING SIZE
As A0

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REVISION