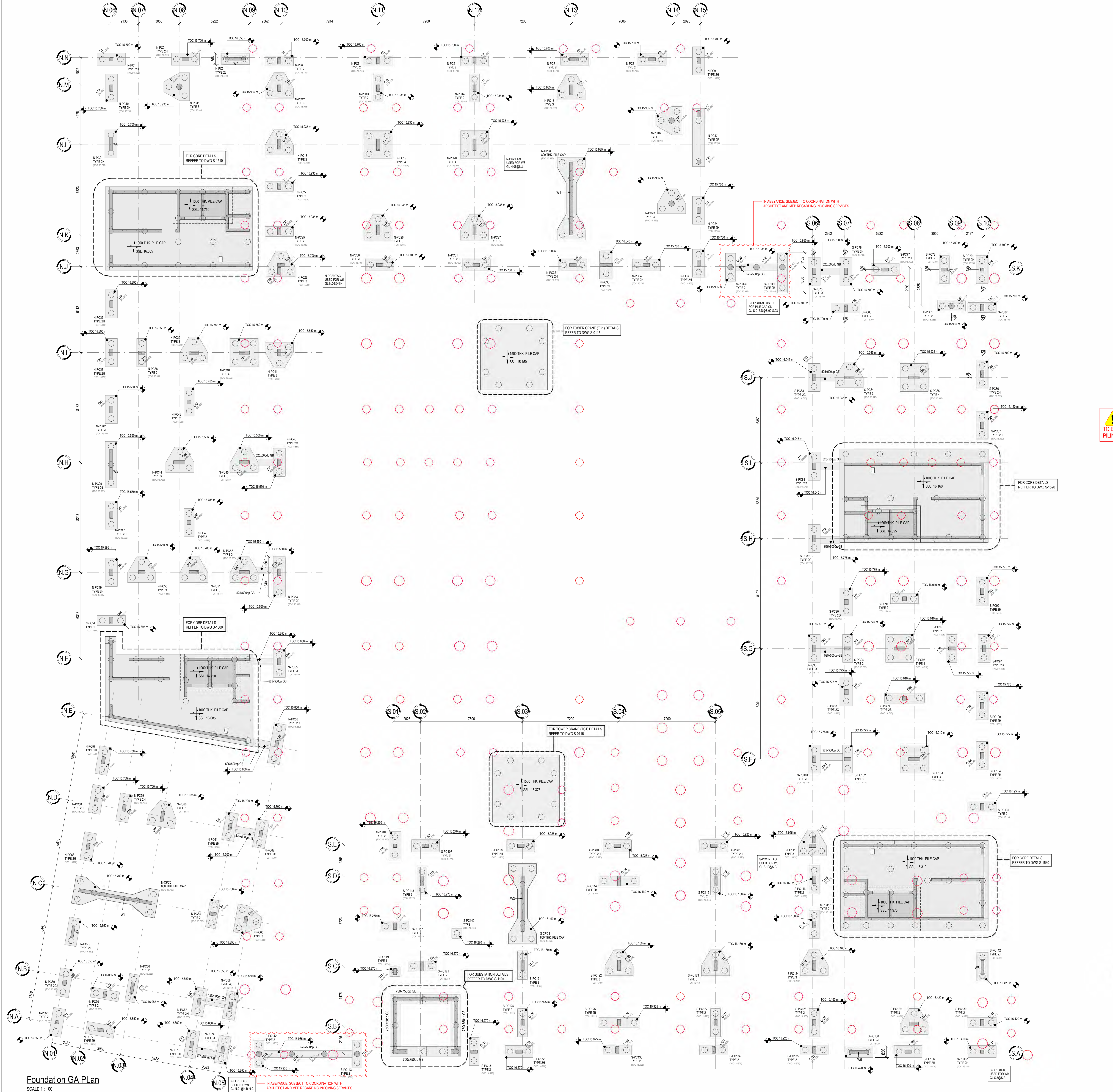




SEE MEP ENGINEERS DRAWING AND SPECIFICATIONS FOR LIGHTNING PROTECTION STRATEGY AND DETAILS.

MAIN COLUMN REINFORCEMENT TO BE USED FOR LIGHTNING PROTECTION. BARS TO BE PAINTED AND CONTINUALLY ENCASED.

RC COLUMN

COPPER TAPE CONNECTION OF COLUMN REINFORCEMENT TO PILE REINFORCEMENT.

RC SLAB

DPM TO ARCHITECTS SPEC. AND DESIGN

50mm BLINDING

50mm BLINDING

PILE CAP

50mm BLINDING

50mm BLINDING

TYP. LIGHTNING PROTECTION DETAIL

SCALE 1 : 25

NOTE: EXISTING PILES TO BE CUT DOWN BY 50MM BELOW TOP OF PROPOSED CAP TO ENSURE THAT EXISTING PILES ARE NOT LOADED.

NOTE: MIN. FACE TO FACE DISTANCE BETWEEN EXISTING AND PROPOSED PILES TO BE 200mm (MIN. AS ADVISED BY PILING DESIGNER - TBC BY PILING CONTRACTOR/DESIGNER).

TYPICAL SECTION SHOWING THE INTERACTION BETWEEN EXISTING AND PROPOSED PILES

SCALE 1 : 25

STRUCTURAL FOUNDATION SCHEDULE FOR BLOCK A & B

PILE CAP TYPE	PILE CAP THICKNESS	COUNT
TYPE 1	800	2
TYPE 2	800	41
TYPE 3B	800	4
TYPE 3C	800	12
TYPE 3D	800	2
TYPE 3E	800	1
TYPE 3F	800	1
TYPE 3G	800	3
TYPE 3H	800	43
TYPE 3I	800	4
TYPE 3J	800	24
TYPE 3K	800	1
TYPE 4	800	6

NOTES - EXISTING PILES

- **UNCONFIRMED EXISTING PILES:** THE LOCATIONS OF EXISTING PILES SHOWN ON THIS DRAWING ARE INDICATIVE ONLY, BASED ON PRELIMINARY INFORMATION RECEIVED AT THE TENDER STAGE. A DETAILED PILE SURVEY TO CONFIRM THEIR EXACT NATURE AND POSITION HAS NOT BEEN UNDERTAKEN.
- **CONTRACTOR AND PILING CONTRACTOR'S DUE DILIGENCE:** PRIOR TO COMMENCING ANY EXCAVATION OR PILING WORKS, THE CONTRACTOR SHALL UNDERTAKE ALL NECESSARY INVESTIGATIONS (E.G., DETAILED PILE SURVEY, TRIAL PITTING, PROBING, NON-DESTRUCTIVE TESTING) TO ACCURATELY LOCATE AND CONFIRM THE NATURE, EXTENT, AND CONDITION OF ALL EXISTING PILES AND OTHER BURIED OBSTRUCTIONS WITHIN AND ADJACENT TO THE PROPOSED WORKS FOOTPRINT. ALL FINDINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.
- **OBSTRUCTION RISK TO NEW PILING:** THE PRESENCE OF EXISTING PILES POSES A SIGNIFICANT RISK OF OBSTRUCTION TO THE INSTALLATION OF NEW CFA PILES. THE CONTRACTOR SHALL DEVELOP AND SUBMIT A DETAILED METHODOLOGY FOR MANAGING POTENTIAL OBSTRUCTIONS, INCLUDING CONTINGENCY PLANS FOR PILE REFUSAL, SIGNIFICANT DEVIATION, OR DAMAGE TO PILING EQUIPMENT. THIS MAY NECESSITATE PRE-DRILLING, BREAKING OUT OBSTRUCTIONS, OR RE-SEQUENCING OF PILING WORKS.
- **EXISTING PILE CUT-BACK METHODOLOGY:** EXISTING PILES IDENTIFIED WITHIN THE PROPOSED WORKS AREA (INCLUDING BELOW PROPOSED PILE CAPS) ARE TO BE CUT BACK TO A MINIMUM DEPTH OF 500MM BELOW THE UNDERSIDE OF THE PROPOSED 800MM DEEP PILE CAPS. THE CONTRACTOR SHALL SUBMIT A SAFE AND EFFICIENT METHODOLOGY FOR EXCAVATION AROUND AND BREAKING OUT OF EXISTING PILES FOR THE ENGINEER'S REVIEW.
- **DESIGN DEVIATIONS & CONTINGENCY:** SHOULD EXISTING PILES OR OTHER OBSTRUCTIONS PREVENT THE INSTALLATION OF NEW CFA PILES AS PER THE CURRENT DESIGN LAYOUT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER. A REVISED PILING LAYOUT, ALTERNATIVE FOUNDATION SOLUTION, OR LOCAL REDESIGN OF PILE CAPS MAY BE REQUIRED, WHICH COULD IMPACT THE PROGRAMME AND COST.
- **BROWNFIELD GROUND CONDITIONS:** AS A BROWNFIELD SITE, VARIABLE GROUND CONDITIONS, UNFORESEEN BURIED OBSTRUCTIONS (E.G., FORMER FOUNDATIONS, SERVICES, CONTAMINATION), AND ASSOCIATED CHALLENGES SHOULD BE ANTICIPATED. THE CONTRACTOR SHALL REVIEW ALL AVAILABLE GROUND INVESTIGATION REPORTS AND ALLOW FOR POTENTIAL IMPACTS DURING ALL GROUNDWORKS AND PILING OPERATIONS.
- **PROGRAMME & COST IMPLICATIONS:** THE CONTRACTOR SHALL ALLOW FOR ALL POTENTIAL DELAYS, ADDITIONAL COSTS, AND RESOURCES REQUIRED TO IDENTIFY, MANAGE, AND OVERCOME CHALLENGES ASSOCIATED WITH EXISTING PILES, UNKNOWN OBSTRUCTIONS, AND VARIABLE GROUND CONDITIONS INHERENT TO A BROWNFIELD SITE.

GENERAL DRAWING REFERENCES:

1. FOR SITE CONDITIONS REFER TO DWG 2005-010
2. FOR EXISTING PILES REFER TO DWG 2005-008
3. FOR WATERPROOF CONCRETE DETAILS REFER TO DWG 2005-010
4. FOR GENERAL NOTES REFER TO DWG 2005-008
5. FOR GENERAL ARRANGEMENTS REFER TO DWG 2005-1100 SERIES
6. FOR PILING SCHEDULES REFER TO DWG 2005-100
7. FOR PILING SCHEDULES REFER TO DWG 2005-100
8. FOR PILE CAP DETAILS REFER TO DWG 2005-1401 & 1402
9. FOR PILING SUPPORT DETAILS REFER TO DWG 2005-1403
10. FOR CORE DETAILS REFER TO DWG 2005-1000 SERIES
11. FOR PILING PLAN DETAILS REFER TO DWG 2005-1000 SERIES
12. FOR DRIVING DRAWINGS REFER TO DWG 2005-1000 SERIES

PILING NOTES:

1. ALL PILES TO BE CONSTRUCTED USING THE CFA METHOD TO PILING CONTRACTORS SPECIFICATION. PILING CONTRACTOR TO ADVISE IF ALTERNATIVE PILING METHOD IS REQUIRED.
2. PILE DIAMETERS SHOWN AS PER PILING CONTRACTORS DESIGN PILING CONTRACTOR TO SUBMIT DESIGN TO ENGINEER FOR REVIEW.
3. PILES TO BE DESIGNED BY PILING CONTRACTOR USING THE SOIL INVESTIGATION REPORTS BY V&A REPORT REF. 020802 DATED AUGUST 2021.
4. ALL PILES TO BE DESIGNED IN ACCORDANCE WITH THE EUROPEAN ICE FIRM SPECIFICATION.
5. ALL PILES TO BE DESIGNED IN ACCORDANCE WITH RELEVANT EUROCODES (E.C.1) FOR FACTORS OF SAFETY ON PILES.
6. PILES TO BE DESIGNED WITH MINIMUM REINFORCEMENT BARS PER PILE REINFORCEMENT TO BE LEFT PROJECTING FULL ANCHORAGE LENGTH ABOVE TOP OF PILE CAP.
7. ALL PILES ARE TO BE CONCRETED WITH CONCRETE OF MINIMUM GRADE C30/37 OR EQUIVALENT. ALL PILES TO BE CONCRETED IN ONE POUR.
8. ANY MODIFICATIONS TO BE CARRIED OUT PRIOR TO PILING WORKS. BEFORE COMMENCING WORK.
9. PILE DESIGN TO BE SUBMITTED TO WALCHUP WALSH & PARTNERS FOR COMMENT PRIOR TO COMMENCEMENT OF ANY WORK, AT LEAST 2 WEEKS BEFORE PILING WORK.
10. NO WORK TO BE COMMENCED WITHOUT PRIOR APPROVAL OF WALCHUP WALSH & PARTNERS.
11. PILE PROTECT TO BE MINIMUM OF 300mm PILE DIAMETER.
12. PILE PROTECT TO BE CARRIED OUT ON SITE BY CONTRACTOR TO ENSURE ANY OBSTRUCTIONS.
13. CONCRETE DESIGN CHEMICAL CLASS AC-4 DESIGN SULPHATE CLASS FOR PILES IS A-100 TO BE USED.
14. ALL TEMPORARY PROPPING TO PILES TO CONTRACTORS DETAIL.
15. PILING MUST BE CONSTRUCTED TO DESIGN DETAIL.
16. OUT-OF-LEVEL FOR PILES TO BE DETERMINED BY CONTRACTOR ON SITE ALONG WITH PROPOSED PILE CUT OFF LEVELS.
17. PILE REFUSAL, SETTLEMENT, AND/OR PILES TO BE LESS THAN 5mm.
18. ALL SETTING OUT OF PILES TO BE REVIEWED BY PILING CONTRACTOR & ANY CONCERNS TO BE IDENTIFIED TO WALCHUP WALSH & PARTNERS.
19. BUILT SURVEY TO BE PROVIDED FOR PILES BY CONTRACTOR PRIOR TO CONSTRUCTION OF FOUNDATION.
20. EMBEDEDMENT / ANCHORAGE OF PILE REINFORCEMENT INTO PILE CAPS IS THE RESPONSIBILITY OF THE PILE DESIGNER. MIN ANCHORAGE TO BE 400mm.

PILING LEGEND:

P PILING CONTRACTOR'S PILE DESIGN TO PILING CONTRACTORS DESIGN AND SPECIFICATIONS.

--- SITE BOUNDARY LINE

EXISTING PILES - TO BE CUT BACK BY 500 mm BELOW CAP TOP. PILE DESIGNER TO TAKE INTO ACCOUNT PROXIMITY OF EXISTING PILES.

NOTE: ALL FOUNDATION LEVELS ARE GIVEN AS TOC (TOP OF CAP) AND ALL GROUND FLOOR SLAB ARE GIVEN AS SSL.

NOTE: PILES ADJACENT TO EXISTING BOUNDARIES TO BE REVIEWED BY PILING CONTRACTOR PRIOR TO PILE INSTALLATION.

3D VIEW

SCALE

Foundation GA Plan

SCALE 1 : 100

Foundation Plan

CLIENT: Formation D&B Ltd

PROJECT: Tanager

DATE: 06/02/25

REVISION: 1

DESCRIPTION: FOR INFORMATION

SCALE: As indicated

REVISION: 2

DESCRIPTION: FOR INFORMATION

SCALE: As indicated

REVISION: 3

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