## GENERAL

G1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH SPECIFICATIONS OTHER CONSULTANT'S DRAWINGS AND WITH WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT.

G2. ALL DISCREPANCIES SHALL BE REFERRED TO HABITATION AND BE RESOLVED BEFORE

G2. ALL DISCREPANCIES SHALL BE REFERRED TO HABITATION AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.

G3. ALL DIMENSIONS SHOWN SHALL BE VERIFIED BY THE BUILDER ON SITE. ENGINEER'S DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.

G4. ALL WORKMANSHIP, TESTING, WATERIALS AND SUPERVISION ARE TO BE IN ACCORDANCE WITH THESE SPECIFICATIONS, THE OCCUPATIONAL HEALTH AND SAFETY ACT 2000 ENFORCED BY THE WORKCOVER AUTHORITY AND CURRENT RELEVANT AUSTRALIAN STANDARDS.

G5. PROPRIEDARY TIEMS SPECIFIED SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN RECOMMENDATIONS. DO NOT VARY SPECIFIED PROPRIETARY PRODUCTS WITHOUT WRITTEN APPROVAL FROM THE ENGINEER.

G6. THESE DRAWINGS AND ISSUED WRITTEN INSTRUCTIONS DURING THE COURSE OF THE CONTRACT DEPICT THE COMPLETE STRUCTURE. THEY DO NOT DESCRIBE A WORK METHOD. THE ARRANGEMENT, DESIGN AND INSTALLATION OF TEMPORARY WORKS REMAIN THE RESPONSIBILITY OF THE

DESIGN AND INSTALLATION OF TEMPORARY WORKS REMAIN THE RESPONSIBILITY OF THE

CONTRACTOR.

67. THE DETERMINATION OF A SAFE WORK METHOD REMAINS THE RESPONSIBILITY OF THE CONTRACTOR. ANY ELEMENT OF THE PROJECT THAT POSES AN UNACCEPTABLE SAFETY RISK TO CONSTRUCT SHALL BE REFERRED TO THE ENGINEER.

68. NOTES ON ANY DRAWING APPLY TO ALL DRAWINGS IN THE SET U.N.O.

69. THE BUILDER SHALL PROVIDE CERTIFICATION OF ANY DESIGN AND CONSTRUCT COMPONENT BY

GB. THE BOILDER STRUCK PROVIDE CENTRICATION OF ANY DESIGN AND CONSTRUCT COMPONENT
AC CHARTERED (NPER) ENGINEER.
G10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL SERVICES IN THE

## PERFORMANCE PILE NOTES

EXILIN:
PP1. THE PERFORMANCE PILE PACKAGE COMPRISES THE DESIGN, SUPPLY, INSTALLATION AND
COMPLETION OF PILING. IT DOES NOT INCLUDE PILE CAPS.
PP2. THE DETERMINATION OF THE PILE DEPTHS IS THE RESPONSIBILITY OF THE PILING TENDERER.
DUE CONSIDERATION MUST BE GIVEN TO THE GEOTECHNICAL REPORT AND THE NATURE OF THE PROPOSED PILING SYSTEM.

LIFE:

PP3. PILES TO BE DESIGNED FOR A MINIMUM DESIGN LIFE OF 50 YEARS BASED ON THE
EXPOSURE CONDITIONS THAT EXIST ON THIS SITE, GENERAL DESIGN REQUIREMENTS SHALL
INCLUDE:

- ULTIMATE STRENGTH.
- SERVICEABILITY.

- DURABILITY.

VAVIATIONS:
PP4. NO VARIATIONS FOR ADDITIONAL PILING DEPTHS WILL BE CONSIDERED UNLESS IT CAN BE PROVEN THAT THE SUBSURFACE CONDITIONS ENCOUNTERED DIFFER MARKEDLY FROM THE GEOTECHNICAL BOREHOLES.

GEOTICCHNICAL BOWRHOLES.

PPS. A GEOTECHNICAL INVESTIGATION HAS/HAS NOT BEEN UNDERTAKEN ON THE SITE, REFER TO FOUNDATION NOTES FI FOR REFERENCES. THIS REPORT IS PROVIDED TO ASSIST IN DESIGN OF THE PILES, IT WILL BE ASSUMED THAT ALL TENDERS HAVE READ THIS REPORT AND DRAWN THEIR OWN CONCLUSIONS AS TO SUB-SURFACE CONDITIONS.



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**NOLAN RESERVE** DEE WHY, NSW

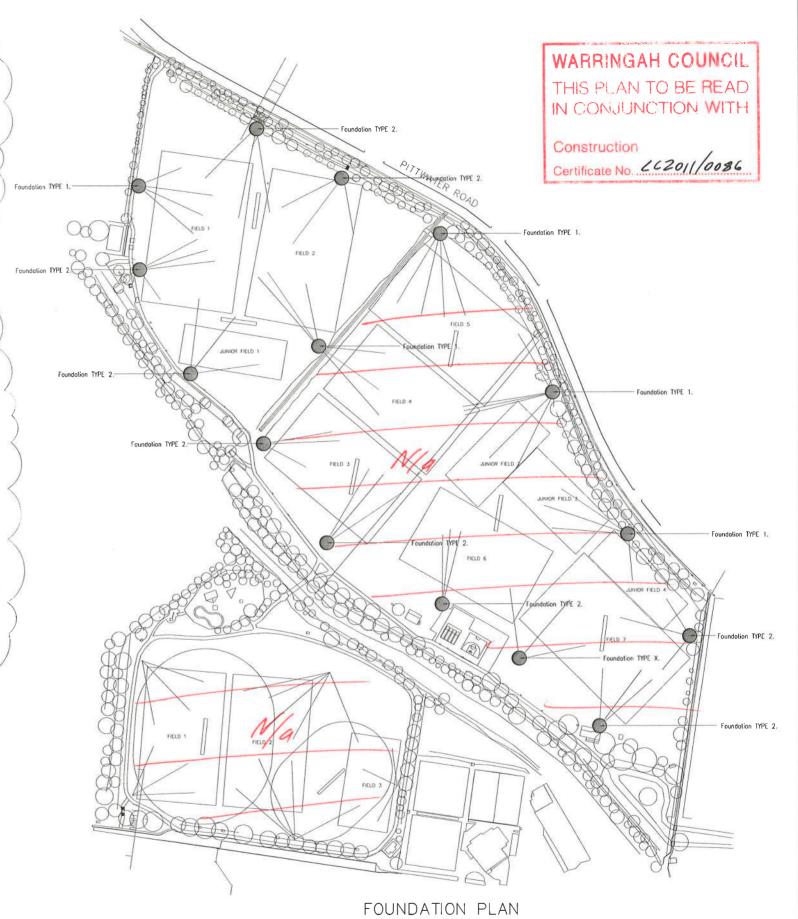
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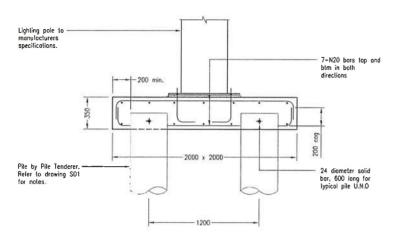
CONSTRUCTION NOTES

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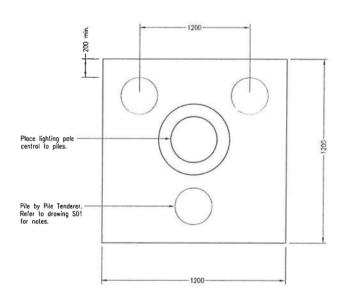
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FC F1. 21// F2. LINEI F3. OR R THE TO GON, F5. TREM GR F6.	NITY OF THE WORKS. ANY SERVICES SHOWN TRACTOR SHALL CONFIRM THE LOCATION OF RESPONSIBLE FOR THE REPAIR OF ANY DAM/RRED AS A RESULT OF THE DAMAGE TO AN DESIGN CRITERIA:  PORTANCE LEVEL.  LIMATE WIND ACTIONS:  -REGION  -ANNUAL PROBABILITY OF EXCEDENCE  -REGIONAL WIND SPEED V'  -TERRAIN GATEGORY  -TERRAIN MULTIPLIER MS.  -TOPOGRAPHIC MULTIPLIER MI  -SITE WIND SPEED  DUNDATIONS  TWO GEOTECHNICAL REPORT HAVE BEEN CAR MATER HAS BEEN ENCOUNTERED AT 0.5M TC RS TO PIERS OR DEWARTERING WHERE POSS OBTAIN ENGINEER'S WRITTEN APPROVAL OF FILE CONTRACTOR IS TO ENGAGE A QUALIFIER FOUNDATIONS.  ENSURE STABILITY OF ADJACENT BUILDINGS ISTRUCTION.  DO NOT ALLOW EXCAVATED MATERIAL TO STO	= 1.  = A1. = 1/200. = 43m/s. = 2. = 1.10. = 1.0. = 1.0. = 47.30m/s.  RIED OUT, REFER TO REPORT No.  0.1.0M DEPTHS. TENDERS TO ALLOW FOR FOR HIBLE.  OUNDING MATERIAL BEFORE PLACING CONCRETE 0 (NPER) CEOTECHNICAL ENGINEER TO APPROVE IN WRITING TO THE CONSULTING ENGINEER PRIOR S MAINTAINED DURING ALL STAGES OF  CKEPILE STAND WITHIN 1500mm OF FOOTING TO FALL INTO THE FOOTING TRENCHES BEFORE  NFORM TO THE FOLLOWING REGARDLESS OF  FOOTING  FOOTING  FOOTING	TOLERANCES:  PP7.  LEYEL OF CUT-OFF: — 25mm;  CENTRE OF SHAFT AT CUT-OFF: +/-50mm FROM THE DESIGN COMPROVALS:  PP8. ALL PROPOSED PILING METHODS WILL BE SUBJECT TO THE ENGING THE FOLLOWING FOR APPROVAL:  — DESIGN CALCULATIONS PREPARED BY A CHARTERED (NPER) ENGING RECENT LOAD TESTS FOR SIMILAR PILES IN SIMILAR SOILS. — STATEMENTS IN SUPPORT OF DURABILITY. — INSTALLATION METHODOLOGY. — STATEMENTS IN SUPPORT OF DURABILITY.  THIS SHALL NOT RELIEVE THE PILING CONTRACTOR FROM ANY OBLIGATION CONTRACTOR SHALL REMAIN COMPLETELY LIABLE FOR THE PILE WORKS.  SETTLEMENTS:  PP9. PILES TO BE DESIGNED TO LIMIT SETTLEMENTS OVER THE LIFE OF TOTAL SETTLEMENT OF ANY PILE <20mm UNDER FULL IN-SERVICLED FOR THE PILE OF THE PILE	UT-OFF LEVEL.  EER'S APPROVAL. SUBMIT  EER.  DNS, AND THE PILING  THE STRUCTURE TO: E WORKING LOADS.  OWN.  NORTHROP ENGINEERS ARE  INFICATE FOR THE PILES RHEAD CERTIFYING THE DON CERTIFICATE FOR THE SIN REQUIREMENTS TALLATION OF PILES ALITY CONTROL.  SEP PILES ONLY) IN INCE WITH AS 2159.  IN CHARTERED (NPER) PILES HAVE BEEN DESIGNED THE DESIGN LOADS  NO NATSPEC CONCRETE
A Constru B Revised	Amendment Date  **pary Issue 68.10.0  **thion Issue 67.12.1  **UNITH NEW GEOTECH REPORT 21.03	9 G.M.  109 G.M.  109 G.M.  100 G.M.	_	ARCHITECTURE / LANDSCAPE ARCHITECTUR HABITATION And Preparation (2007) Principles and Carrier (2

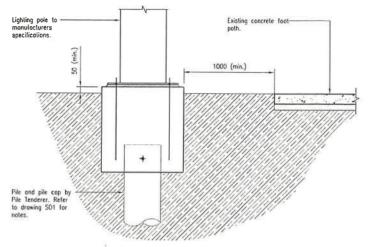




TYPICAL PILE CAP ELEVATION 3 PILE CONFIGURATION



TYPICAL PILE CAP PLAN 3 PILE CONFIGURATION



BUILDING ADJACENT TO FOOT PATHS

# WARRINGAH COUNCIL THIS PLAN TO BE READ IN CONJUNCTION WITH

Construction

Certificate No. C(2011/0086

## TABLE 1 - PILE DESIGN LOADS

	1716		-			JIV LO	7705		
		SIN	IGLE	PILE	SUP	PORT			
MADK	AXIAL FORCE		SHE	SHEAR FORCE			BENDING MOMENT		
MARK	DEAD	WIND	TOTAL	DEAD	WIND	TOTAL	DEAD	WIND	TOTAL
TYPE 1	33kN	-	33kN	-	15kN	15kN	-	158kNm	158kNm
TYPE 2	41kN	-	41kN	-	19kN	19kN		244kNm	244kNm
TYPE 3	42kN	-	42kN	-	21kN	21kN	-	278kNm	278kNm
	3 PILI	SU	PPOR	T -	DOW	N FO	RCES		
MARK	AXIAL FORCE		SHEAR FORCE		BENDING MOMENT				
	DEAD	WIND	TOTAL	DEAD	WIND	TOTAL	DEAD	WIND	TOTA
TYPE 1	18kN	132kN	149kN	-	8kN	BkN	-	-	-
TYPE 2	21kN	203kN	224kN	-	10kN	10kN	-	-	-
TYPE 3	22kN	231kN	253kN	-	10kN	10kN	-	-	-
	3	PILE	SUP	PORT	-	UPLIF	T		
MARK	AXIAL FORCE		SHEAR FORCE		BENDING MOMENT				
	DEAD	WIND	TOTAL	DEAD	WIND	TOTAL	DEAD	WIND	TOTA
TYPE 1	18kN	-132kN	-114kN	-	8kN	8kN	-	-	-
						10111			-1
TYPE 2	21kN	-203kN	-182kN	-	10kN	10kN			-

### NOTES:

- For Pile Performance notes refer to drawing S01.
   Confirm lighting configuration with electrical engineer prior to setting out foundation types.
   Ensure not to undermine foundations of adjacent buildings.

- All loads are "working loads"
- Total = 1.0(DEAD) + 1.0(WIND)
- For single pier support, loads in table are at base of light pole. For 3 pier support, loads in table are at top of pier.

0	200	400	600	800	1000
L				_	
		DETA	LS		

Issue	Amendment	Date	Drawn	ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE MAKING SHIP	
1	Preliminary Issue	08.10.09	6.M.	DRAWINGS OR COMMENCING ANY WORK THE IDEAS, INFORMATION AND	
A	Construction Issue	7.12.09 18.08.10	G.M. G.M.	CONCEPTS CONTAINED IN THIS SOCIAL ASE THE PROPERTY OF CONDUCT ASE THE PROPERTY OF CONDUCTOR THIS PROTOCOLOGY THIS SOCIAL AND PASSING 11 DATE OFFICE VITAGIT THE	
	Revision				
C	Revision with new Geotech Report	21.03.11	G.M.		
				CONSULTING PTY LTD IS AN INFRINGENCY OF COPPERAT AND	
				IT A BREACH OF CONDULA CONSULTING S RIGHTS BRICE THE COMMONWEATH ACT OF 1966 (SECTION 10)	

ELECTRICAL ENGINEER
Bucklon Lysenko Consulling Engineers
Buda 301, Bulding 18s. Drummoyne 2047
Pec 1023 4716-3709. Fen. 1023 4716-3711.



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**NOLAN RESERVE** DEE WHY, NSW

FOUNDATION DETAILS

09426 Drawing Number

S02 C

