



INSTANT FOUNDATIONS
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STANDARD UNDERPINNING DETAIL FOR
 DOMESTIC HOUSING – SWL 50kN
 INSTALLATION TORQUE 5000Nm

PROJECT

CONSULTING ENGINEER

Drawing No.	UNDER50A
Certified:	
Date:	DEC '99
Scale:	1:20

DESIGN NOTES

- STRUCTURAL ENGINEER TO CONFIRM THAT EXISTING FOOTING /SLAB CONFIGURATION HAS THE CAPACITY TO SPAN BETWEEN THE SPECIFIED PILE CENTERS.
- APPLIED SWL OF 50kN PER PILE (MAXIMUM)
- MAXIMUM PILE DEPTH OF 4.0m.
- SOIL CONDITIONS ASSUMED TO BE MEDIUM DENSE SANDS WITH A 'n' VALUE > 10 OR CLAYS WITH A 'Cu' VALUE OF > 150.
- DESIGN LIFE IS 75 YEARS MINIMUM IN ACCORDANCE WITH AS2159.
- ALL STEELWORK TO COMPLY WITH AS4100.
- NO SECOND HAND STEEL TUBE TO BE USED.
- ALL CONCRETE WORK TO COMPLY WITH AS3600.
- INSTALLATION IS TO BE CONDUCTED BY AN APPROVED ACCREDITED INSTANT FOUNDATIONS INSTALLER HOLDING A CURRENT INSTALLING CERTIFICATE.