



STANDARD UNDERPINNING DETAIL FOR DOMESTIC HOUSING – SHEAR HEAD OPTION

INSTANT FOUNDATIONS PO BOX 198 OSBORNE PARK, WA 6917 TEL: (08) 9371 7711 FAX (08) 9371 7722 MOB: 0408 071 581	SWL	PILE SHAFT	HELIX	*(3 BARS)	INSTALLING TORQUE
	50 KN 75 KN	89 CHS 5.5 – G350 89 CHS 5.5 – G350	1/250 1/300	3-Y16 3-Y20	5000 Nm 7500 Nm

PROJECT	<h3>DESIGN NOTES</h3> <ul style="list-style-type: none"> - STRUCTURAL ENGINEER TO CONFIRM THAT EXISTING FOOTING /SLAB CONFIGURATION HAS THE CAPACITY TO SPAN BETWEEN THE SPECIFIED PILE CENTERS. - APPLIED SWL OF 50kN OR 75kN 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.
CONSULTING ENGINEER	
Drawing No. SHEARA	
Certified:	
Date: DEC '99	
Scale: 1:20	