

These strength interaction diagrams are based on AS3600-2001 Concrete Structures and apply to 285 dia / 100 kNm RC Marina Piles with :

Outer diameter = 285 mm.

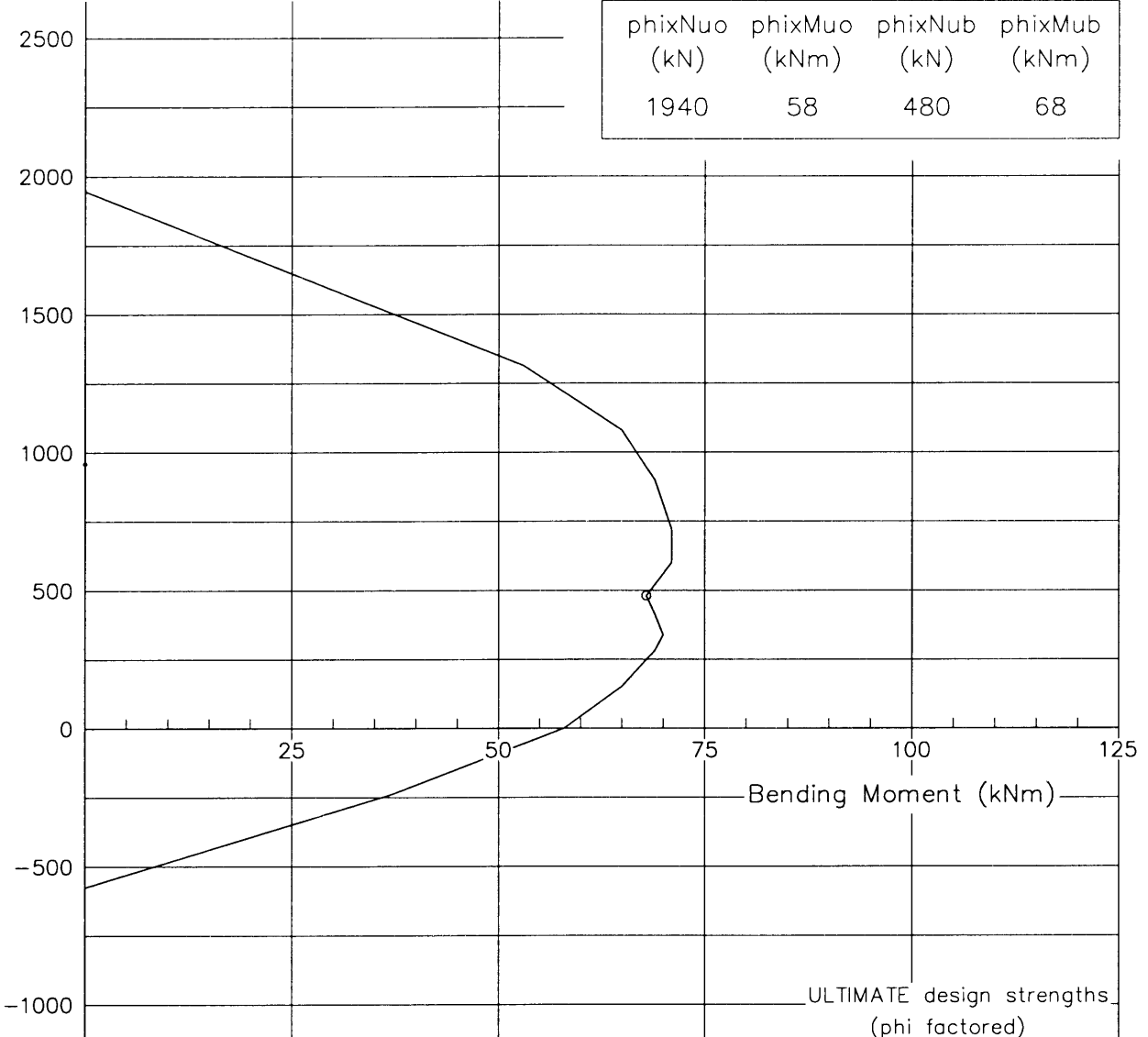
Structural details refer to Sheet 2.

$f'_c$  = 65 MPa (min spun concrete characteristic compressive strength).

external cover to reinforcement = 25 mm (minimum).

Axial Load (kN)

(compression)



(tension)

ULTIMATE design strengths (phi factored)

o  $k_u = 0.55$

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BENDING MOMENT / AXIAL LOAD strength INTERACTION diagrams for 285 dia / 100kNm Standard Marina Piles

ISSUE NOTES:

ORIGINAL ISSUE

APPD	C.CARTER	DATE	12/01/07
DESIGN ENG.	S.D.JUSUF	DATE	11/01/07
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REFERENCE

SCALE

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NTS

CODE	SIZE	DWG. No.	ISSUE
39	P	92548	A

SHEET 1 OF 2 SHEET