



PILING PLAN - QUAY FOR NORTHERN TRANSITION EDGE STRUCTURES
SCALE 1 : 200

TABLE 1: QUAY DECK, PILE TYPE AND LOCATION

PILE TYPE PILE NO. BAY NO.	SEASIDE PILE VERTICAL PILE (GRID LINE A) o	INTERNAL PILE VERTICAL PILE (GRID LINES B & C) b	LANDSIDE PILE VERTICAL PILE (GRID LINE D) c
QUAY FOR NORTHERN TRANSITION STRUCTURES	22-28	8-21	1-7

NOTES:

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRG. NO. 533.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SPECIFIED OTHERWISE.
- ALL LEVELS ARE IN METRES WITH REFERENCE TO PRINCIPAL DATUM.
- FOR PILE TYPES AND LOCATIONS REFER TABLE 1.

PILING NOTES:

- STEEL TUBULAR PILES SHALL BE GRADE S275 OR ABOVE TO BS EN 10113 UNLESS SPECIFIED OTHERWISE.
- PILES SHALL BE DRIVEN OPEN-ENDED.
- ALL PILES SHALL BE SUPPORTED AT TEMPORARY STAGE TO SUSTAIN ALL TEMPORARY LOADINGS THAT MAY BE EXPECTED DURING CONSTRUCTION AND LOAD TESTING.
- INFILL CONCRETE TO PILES SHALL BE GRADE 45/20.
- INTERNAL SURFACES OF PILE SHALL BE CLEANED PRIOR TO PLACING OF CONCRETE INFILL. WHEN POURING THE INFILL PLUG AT THE TOP OF EACH PILE THIS SECTION OF PILE (WHERE CONCRETE IS TO BE PLACED) SHALL BE PUMPED DRY PRIOR TO CONCRETING.
- MINIMUM COVER TO REINFORCEMENT TO BE 75mm.
- THE PILE FORCES AND MOMENTS SHOWN IN THE PILE LOADING SCHEDULE REFER TO VALUES AT TOP OF PILE HEAD.
- THE TENTATIVE PILE TOE LEVELS ARE ESTIMATED BASED ON LIMITED GEOLOGICAL INFORMATION AND ARE INDICATIVE ONLY. THE ACTUAL PILE TOE LEVELS SHALL BE DETERMINED ON SITE TO SUIT THE GEOLOGICAL CONDITIONS.

LEGEND:

- PILE NO. 1000mm O.D. x 19mm THICK VERTICAL STEEL TUBULAR PILE
- ⊙ PILE NO. 1200mm O.D. x 21mm THICK VERTICAL STEEL TUBULAR PILE
- LS LANDSIDE
- SS SEASIDE

PILE LOADING SCHEDULE

BAY	PILE TYPE	VERTICAL LOAD (kN)					MOMENT (kNm)	ALLOWABLE WORKING LOAD (kN)	
		DEAD LOAD	DEAD LOAD + LIVE LOAD (OPERATION)	DEAD LOAD + LIVE LOAD (EXTREME)	DEAD LOAD + UPLIFT (OPERATION)	DEAD LOAD + UPLIFT (EXTREME)		COMPRESSION	TENSION
QUAY FOR NORTHERN TRANSITION EDGE STRUCTURES	a	970	2740	2590	0	0	440	2740	0
	b	960	2720	2580	0	0	1110	2720	0
	c	950	2790	2810	0	0	2720	2810	0

TENTATIVE PILE TOE LEVEL

BAY	PILE NO.	PILE TOE LEVEL (mPD)
QUAY FOR NORTHERN TRANSITION EDGE STRUCTURES	1-28	-40.00

REV.	DESCRIPTION	CHKD.	P.L.C.	DATE

Civil Engineering and Development Department
KOWLOON DEVELOPMENT OFFICE



KA I TAK DEVELOPMENT
ENGINEERING STUDY CUM DESIGN AND
CONSTRUCTION OF ADVANCE WORKS - INVESTIGATION,
DESIGN AND CONSTRUCTION

SITE FORMATION CUM MARINE WORKS

NORTHERN TRANSITION EDGE STRUCTURES
QUAY - PILING PLAN

MAUNSELL | AECOM
Maunsell Consultants Asia Ltd.
茂盛(亞洲)工程顧問有限公司

DRG. NO. 532
圖紙編號

DESIGNED BY J.L. AGREEMENT NO. CE35/2006 (CE)
設計 合約編號

STATUS ZNL
圖紙

SCALE A1 AS SHOWN
DIMENSIONS ARE IN MILLIMETRES
圖紙比例
尺寸單位

© COPYRIGHT RESERVED
版權 所 有