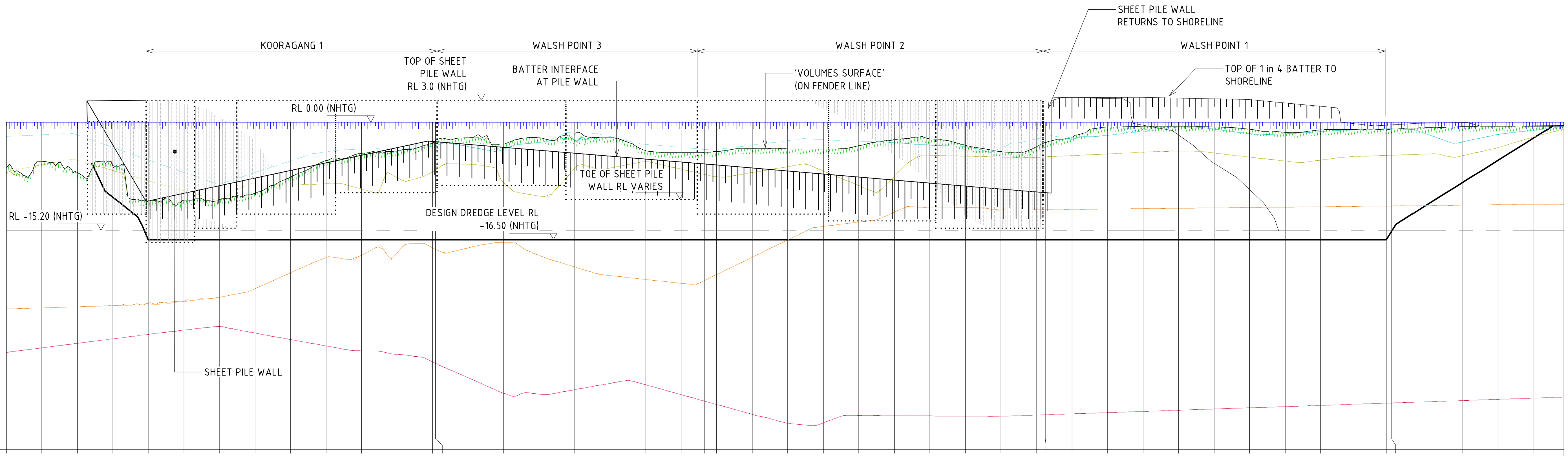

	0.00	25.00	50.00	75.00	100.00	125.00	150.00	175.00	200.00	225.00	250.00	275.00
DESIGN SURFACE				-10.54	-16.50	-16.50	-16.50	-16.50	-16.50	-16.50	-16.50	-16.50
VOL. SURFACE (GN-02)	-6.34	-5.50	-7.07	-6.13	-11.10	-11.00	-10.86	-9.97	-7.71	-5.38	-4.39	-4.05
FINES/SEDs (GEOT TRIM)	-6.34	-5.50	-7.07	-6.13	-11.10	-11.00	-10.86	-9.97	-7.71	-5.38	-4.39	-4.05
HARBOUR MUD (MODIFIED)	-6.34	-5.50	-7.07	-5.89	-11.10	-11.00	-10.86	-9.97	-7.71	-5.38	-4.39	-4.11
SAND (MODIFIED)	-7.24	-5.99	-7.07	-6.78	-11.10	-11.00	-10.94	-9.97	-8.71	-8.66	-9.39	-7.79
STIFF CLAY (MODIFIED)	-26.25	-26.10	-25.95	-25.80	-25.48	-25.21	-24.61	-23.41	-21.17	-19.03	-18.73	-18.38
ROCK (MODIFIED)	-32.36	-31.72	-31.08	-30.45	-29.84	-29.22	-28.70	-29.64	-30.55	-31.44	-32.14	-32.63
CHAINAGE	0.00	25.00	50.00	75.00	100.00	125.00	150.00	175.00	200.00	225.00	250.00	275.00

	300.00	301.96	325.00	350.00	375.00	400.00	425.00	450.00	475.00	491.13	500.00	525.00
DESIGN SURFACE	-16.50	-16.50	-16.50	-16.50	-16.50	-16.50	-16.50	-16.50	-16.50	-16.50	-16.50	-16.50
VOL. SURFACE (GN-02)	-2.99	-2.63	-2.19	-3.04	-2.19	-1.64	-2.20	-4.00	-4.28	-4.25	-4.12	-3.73
FINES/SEDs (GEOT TRIM)	-2.99	-2.65	-2.19	-3.04	-2.19	-2.53	-2.20	-4.00	-4.28	-4.25	-4.12	-3.73
HARBOUR MUD (MODIFIED)	-3.38	-3.33	-3.43	-3.80	-2.83	-2.55	-2.20	-4.00	-4.28	-4.25	-4.14	-3.73
SAND (MODIFIED)	-6.98	-6.78	-5.91	-8.49	-10.38	-6.52	-6.44	-5.50	-6.61	-7.34	-7.69	-7.08
STIFF CLAY (MODIFIED)	-17.67	-17.87	-17.66	-16.89	-18.72	-20.35	-21.56	-22.11	-22.65	-22.28	-21.41	-18.98
ROCK (MODIFIED)	-33.71	-33.90	-35.92	-38.10	-38.23	-37.60	-36.70	-36.92	-38.30	-39.19	-39.68	-41.06
CHAINAGE	300.00	301.96	325.00	350.00	375.00	400.00	425.00	450.00	475.00	491.13	500.00	525.00

	550.00	575.00	600.00	625.00	650.00	675.00	700.00	725.00	731.13	750.00	775.00	800.00
DESIGN SURFACE	-16.50	-16.50	-16.50	-16.50	-16.50	-16.50	-16.50	-16.50	-16.50	-16.50	-16.50	-16.50
VOL. SURFACE (GN-02)	-3.75	-3.76	-3.32	-2.43	-2.33	-3.26	-4.14	-3.45	-2.87	-2.16	-0.67	-0.58
FINES/SEDs (GEOT TRIM)	-3.75	-3.76	-3.32	-2.43	-2.33	-3.26	-4.14	-3.45	-2.87	-2.16	-0.67	-0.58
HARBOUR MUD (MODIFIED)	-3.75	-3.76	-3.32	-2.88	-3.22	-3.43	-4.14	-3.45	-2.87	-2.33	-1.84	-1.00
SAND (MODIFIED)	-6.25	-6.85	-8.91	-7.60	-4.66	-4.78	-4.91	-4.92	-4.88	-4.70	-4.46	-4.22
STIFF CLAY (MODIFIED)	-16.55	-14.65	-14.04	-12.65	-12.03	-12.01	-12.35	-12.32	-12.31	-12.27	-12.21	-12.16
ROCK (MODIFIED)	-42.31	-42.28	-41.22	-41.25	-41.29	-41.32	-41.33	-41.17	-41.13	-41.00	-40.83	-40.66
CHAINAGE	550.00	575.00	600.00	625.00	650.00	675.00	700.00	725.00	731.13	750.00	775.00	800.00

	825.00	850.00	875.00	900.00	925.00	950.00	971.13	975.00	1000.00	1025.00	1050.00	1075.00
DESIGN SURFACE	-16.50	-16.50	-16.50	-16.50	-16.50	-16.50	-16.50	-15.29	-11.59	-8.47	-5.34	-2.22
VOL. SURFACE (GN-02)	-0.57	-0.67	-1.00	-1.42	-1.08	-1.01	-1.00	-1.00	-0.77	-0.64	-0.57	-0.57
FINES/SEDs (GEOT TRIM)	-0.57	-0.67	-1.00	-1.42	-1.08	-1.01	-1.00	-1.00	-0.77	-0.64	-0.57	-0.57
HARBOUR MUD (MODIFIED)	-0.69	-0.98	-1.61	-1.62	-1.32	-1.07	-1.00	-1.00	-1.70	-2.77	-1.71	-1.12
SAND (MODIFIED)	-4.07	-4.32	-4.91	-5.46	-5.32	-4.83	-4.67	-4.65	-4.46	-4.71	-3.56	-2.06
STIFF CLAY (MODIFIED)	-12.10	-12.05	-11.99	-11.94	-11.88	-11.83	-11.78	-11.77	-11.72	-11.66	-11.61	-11.55
ROCK (MODIFIED)	-40.49	-40.32	-40.15	-39.98	-39.81	-39.64	-39.49	-39.47	-39.30	-39.13	-38.96	-38.79
CHAINAGE	825.00	850.00	875.00	900.00	925.00	950.00	971.13	975.00	1000.00	1025.00	1050.00	1075.00

KOORAGANG BERTH 1 and WALSH POINT BERTHS 1, 2 and 3 FENDER LINE LONGITUDINAL SECTION

SCALE HORIZONTAL 1:1500
SCALE VERTICAL 1:300

30 0 30 60 90 120 150
SCALE OF METRES 1:1500

6 0 6 12 18 24 30
SCALE OF METRES 1:300

REV	DATE	REVISION DESCRIPTION	DRAWN	DRAFT CHK	DESIGNED	ENG CHK	APPROVED	CUSTOMER
B	30.07.10	ISSUED FOR CLIENT REVIEW	MLC	MLC	NPC	MP	-	-
A	20.7.10	ISSUED FOR INTERNAL REVIEW AND COMMENT	MLC	MLC	NPC	MP	-	-

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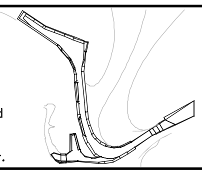
NEWCASTLE 2300
Ph (02) 4985 8222 FAX (02) 4985 8309

KEY



Co-ordinate System:
Integrated SurveyGrid
Zone 56/1
Central Meridian
151 degrees East.

A1 SHEET | SCALE AS SHOWN @ A1

Zero Harm — Leadership, No Incidents, Safe Behaviour

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301020-02685

Project Manager
WorleyParsons resources & energy
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8-14 TELFORD ST
Ph: (02) 4907 5300
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NEWCASTLE PORT CORPORATION
CAPITAL DREDGING PROJECT
KOORAGANG 1 AND WALSH POINT BERTHS 1, 2 & 3 FENDER LINE LONGITUDINAL SECTION

DRG No 301020-02685-KW-03 | REV B

LOCATION: N:\301020\02685 NPC Capital Dredging Project(MC)\Cad\301020-02685-KW-.dwg
USER NAME:
DATE & TIME: 05/08/2010 10:39:05 AM