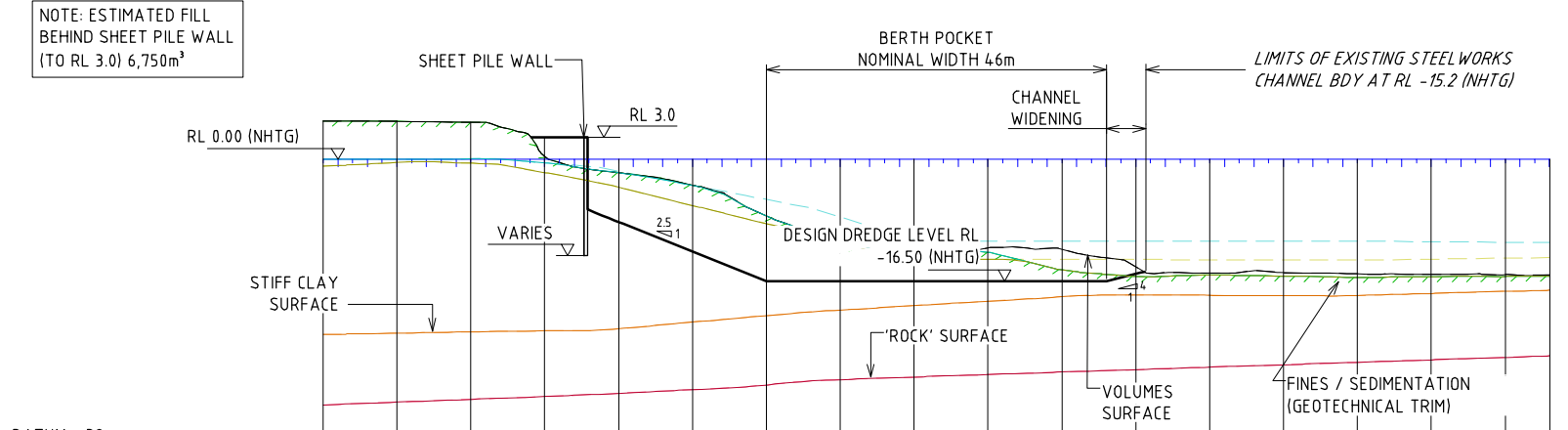
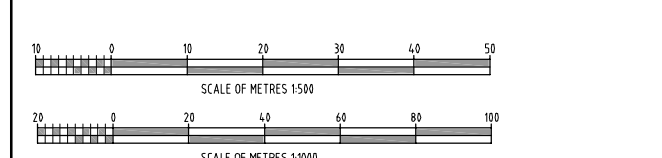


LEGEND

- BOUNDARY
- EMBANKMENT (ROCK)
- EMBANKMENT (OTHER)
- STORMWATER OUTLET INTO HARBOUR
- LAND (NOMINALLY ABOVE RL 0.0 (NHTG))
- EXISTING NAVIGATION DEPTH RL 0.0 to -5.0m (NHTG)
- EXISTING NAVIGATION DEPTH RL -5.0 to -10.0m (NHTG)
- EXISTING NAVIGATION DEPTH BELOW RL -10.0m (NHTG)
- EXISTING HARBOUR NAVIGATION AIDS
- NPC PORT CHANNEL BOUNDARY (MODIFIED FOR K8/K9)
- NAVIGATION AIDS / LEAD LINES
- EXISTING SHEET PILE WALL
- BORE HOLE AND REFERENCE
- PROPOSED PILE WALL (REFER PLAN AND SECTIONS)
- RL -15.2 (NHTG) MATCH TO EXISTING CHANNEL
- PROPOSED BATTER SLOPE (VARIES) REFER PLAN
- EXTENT OF PROPOSED DREDGING
- EXTENT OF PROPOSED DREDGING (BERTH POCKET ONLY)



DATUM -39																		
DESIGN SURFACE				3.01	-8.48	-12.49	-16.49	-16.50	-16.50	-16.50	-16.50	-15.50						
VOLUMES SURFACE (REFER PLAN GN-02)	5.22	5.14	5.02	0.42	-1.82	-3.49	-7.70	-11.67	-11.83	-11.99	-12.15	-14.53	-15.41	-15.36	-15.53	-15.60	-15.61	-15.69
FINES/SEDIMENTATION (GEOTECHNICAL TRIM)	5.22	5.14	5.02	0.42	-1.82	-3.49	-7.70	-11.67	-11.83	-12.60	-14.98	-15.88	-15.66	-15.81	-15.98	-15.90	-15.84	-15.80
CHAINAGE	-60.00	-50.00	-40.00	-30.00	-20.00	-10.00	0.00	10.00	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00	110.00

DESIGN BERTH PROFILE - TYPICAL SECTION
SCALE HORIZONTAL 1:500
SCALE VERTICAL 1:500

DREDGING VOLUMES TABLE

KOORAGANG BERTH 1	
ALL VOLUMES ARE IN-SITU CUBIC METRES	TOTAL FOR DESIGN DEPTH
GENERAL FILL (LAND BASED)	0
SILTATION (POST DREDGING)	18006
FINES and SEDIMENTATION	2638
HARBOUR MUD	24822
SAND	83843
STIFF CLAY	0
ROCK	0
TOTAL	129309

- NOTES**
- REFER TO PLAN 301020-02685-GN-01 FOR GENERAL NOTES
 - FOR SURVEY DETAILS AND NOTES REFER TO PLAN 301020-02685-GN-02
 - FOR FURTHER GEOTECHNICAL DETAILS AND NOTES REFER TO PLAN 301020-02685-GN-03
 - VOLUMES ARE TO DESIGN LEVELS SHOWN IN THE DREDGE VOLUME TABLES AND BASED ON THE 'VOLUME SURFACE', ALL VOLUMES SHOWN ARE IN-SITU 'CUT' VOLUMES IN CUBIC METRES.
 - 'GENERAL FILL' VOLUME INCLUDES MATERIAL THAT IS ABOVE 'SAND' AND ON THE LANDWARD SIDE OF THE SHORELINE (OR RL 0.0 NHTG).
 - POST DREDGING SILTATION IS THE VOLUME BETWEEN THE LOWEST KNOWN SURVEY LEVEL ('GEOTECHNICAL TRIM' SURFACE) AND THE 'VOLUMES SURFACE'.

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	-	-

INITIALS SHOWN IN THE ADJACENT ISSUE RECORDS INDICATE THE STAGES UNDERTAKEN IN THE DRAWING APPROVAL PROCESS. DRAWINGS ARE ONLY TO BE USED WHEN APPROVED BY WORLEY PARSONS AND THEN ONLY AS NOTED FOR DRG STATUS. THE ORIGINAL SIGNATURES CAN BE FOUND ON THE REVERSE SIDE OF THE ORIGINAL OF THE DRG REGISTER/TRANSMITTAL FORM No.5.2.2. HELD BY WORLEY PARSONS

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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
WORLEY PARSONS PROJECT No.
301020-02685

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NEWCASTLE PORT CORPORATION
CAPITAL DREDGING PROJECT
KOORAGANG BERTH 1 - PROPOSED BERTH POCKET PLAN AND DREDGING VOLUMES
DRG No 301020-02685-K1-02
REV B