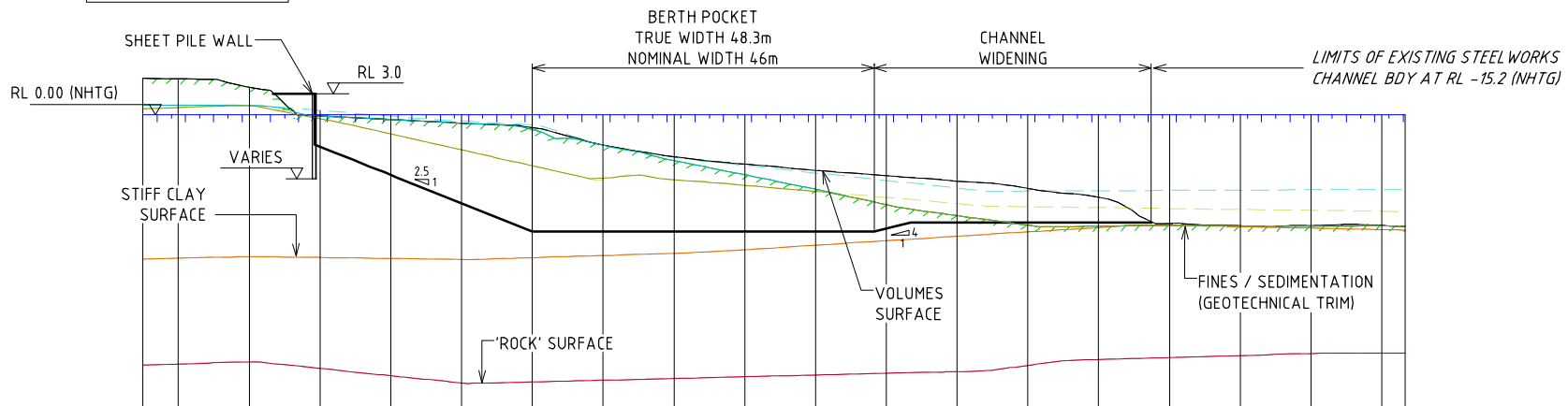


- LEGEND**
- BOUNDARY
 - EMBANKMENT (ROCK)
 - EMBANKMENT (OTHER)
 - STORMWATER OUTLET INTO HARBOUR
 - LAND (NOMINALLY ABOVE RL 0.0 (NHTG))
 - EXISTING NAVIGATION DEPTH RL 0.0 to -5.0m (NHTG)
 - EXISTING NAVIGATION DEPTH RL -5.0 to -10.0m (NHTG)
 - EXISTING NAVIGATION DEPTH BELOW RL -10.0m (NHTG)
 - EXISTING 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)

NOTE: ESTIMATED FILL BEHIND SHEET PILE WALL (TO RL 3.0) 3,100m³

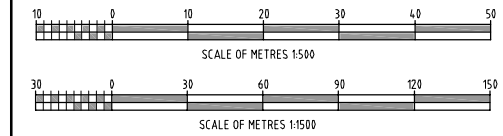


DATUM -43	DESIGN SURFACE	VOLUMES SURFACE (REFER PLAN GN-02)	FINES/SEDIMENTATION (GEOTECHNICAL TRIM)	CHAINAGE
	-4.48	5.14	5.14	00.00
	-8.47	5.08	5.08	00.05
	-12.49	3.91	3.91	40.00
	-16.50	-0.16	-0.16	30.00
	-16.50	-0.64	-0.64	20.00
	-16.50	-1.18	-1.18	10.00
	-16.50	-1.77	-2.13	00.00
	-16.50	-4.23	-4.23	10.00
	-16.50	-5.90	-6.46	20.00
	-16.50	-6.95	-8.49	30.00
	-16.50	-7.84	-8.41	00.07
	-16.07	-8.60	-12.69	50.00
	-15.20	-9.35	-12.71	00.09
	-15.20	-10.40	-15.60	00.00
	-15.20	-11.64	-15.72	80.00
	-15.20	-15.35	-15.60	90.00
	-15.66	-15.66	-17.51	00.001
	-15.63	-15.63	-15.71	110.00
	-15.62	-15.62	-15.63	120.00
	-15.75	-15.75	-15.75	123.29

DREDGING VOLUMES TABLE

WALSH POINT BERTH 3	
ALL VOLUMES ARE IN-SITU CUBIC METRES	TOTAL FOR DESIGN DEPTH
GENERAL FILL (LAND BASED)	0
SILTATION (POST DREDGING)	51681
FINES and SEDIMENTATION	5661
HARBOUR MUD	66015
SAND	150566
STIFF CLAY	63
ROCK	0
TOTAL	273986

- 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'.



DESIGN BERTH PROFILE - TYPICAL SECTION

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

A1 SHEET SCALE AS SHOWN @ A1
zero harm
Leadership in Innovation Safe Behaviour
WORLEY PARSONS PROJECT No.
301020-02685

Project Manager
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NEWCASTLE PORT CORPORATION
CAPITAL DREDGING PROJECT
WALSH POINT BERTH 3 PROPOSED BERTH POCKET PLAN AND DREDGING VOLUMES
DRG No 301020-02685-W3-02
REV B