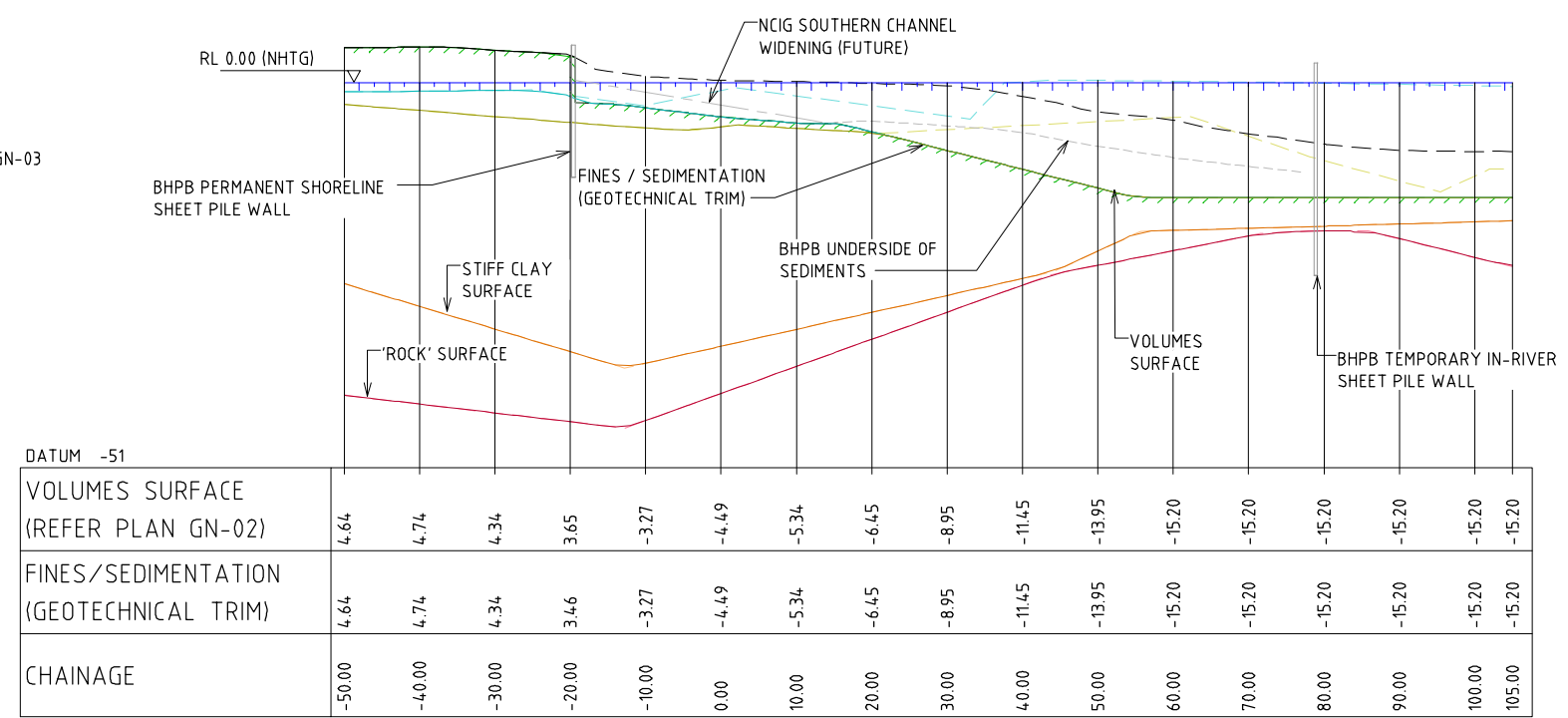
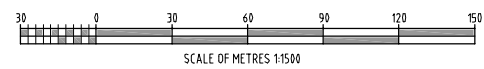


- NOTES**
- REFER TO PLAN 301020-02685-GN-01 FOR GENERAL NOTES
  - FOR SURVEY DETAILS AND NOTES REFER TO PLAN 301020-02685-GN-02
  - FOR FURTHER GEOTECHNICAL DETAILS AND NOTES REFER TO PLAN 301020-02685-GN-03

- 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



EXISTING HARBOUR PROFILE - TYPICAL SECTION

**NHTG TIDE CHART**

DATUMS AND TIDAL DATA

Metres +2.50

+2.25	+2.103 HAT
+2.000	+1.629 MHWS
+1.75	+1.378 MHWN
+1.50	+1.010 AHD
+1.25	+1.001 MSL
0.00 AHD	+0.624 MLWN
+0.75	+0.373 MLWS
+0.50	+0.120 ISLW
+0.25	+0.053 LAT
0.000	

Chart Datum (C.D.)  
ALL LEVELS CHART DATUM  
A.H.D. = AUSTRALIAN HEIGHT DATUM

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

Customer  
**NEWCASTLE PORT CORPORATION**  
Cnr Scott & Newcomen Sts  
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  
WORLEY PARSONS PROJECT No.  
301020-02685

Project Manager  
**WorleyParsons**  
resources & energy  
NEWCASTLE EAST  
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ABN 61 001 279 812

**NEWCASTLE PORT CORPORATION**  
CAPITAL DREDGING PROJECT  
MAYFIELD BERTHS 5, 6 and 7  
EXISTING SITE CONDITIONS  
DRG No  
301020-02685-MW-01  
REV  
B