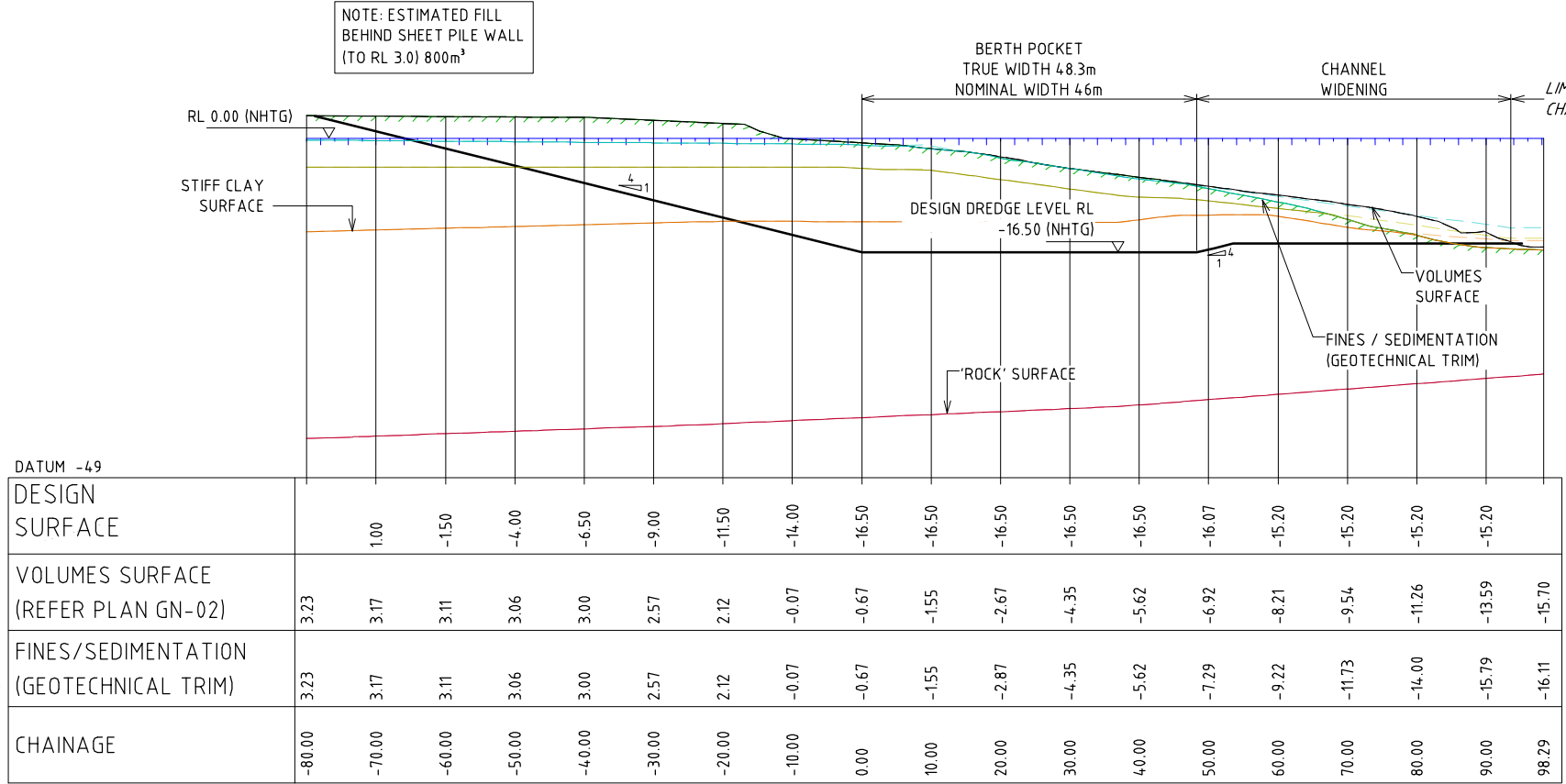
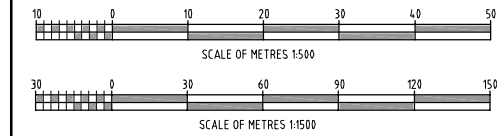


- LEGEND**
- BOUNDARY
 - EMBANKMENT (ROCK)
 - EMBANKMENT (OTHER)
 - STORMWATER OUTLET INTO HARBOUR
 - LAND (NOMINALLY ABOVE RL 0.0 (NHTG))
 - EXISTING NAVIGATION DEPTH RL 0.0 to -5.0m (NHTG)
 - EXISTING NAVIGATION DEPTH RL -5.0 to -10.0m (NHTG)
 - EXISTING NAVIGATION DEPTH BELOW RL -10.0m (NHTG)
 - EXISTING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



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

DREDGING VOLUMES TABLE

WALSH POINT BERTH 1	
ALL VOLUMES ARE IN-SITU CUBIC METRES	TOTAL FOR DESIGN DEPTH
GENERAL FILL (LAND BASED)	53090
SILTATION (POST DREDGING)	52069
FINES and SEDIMENTATION	12851
HARBOUR MUD	82303
SAND	193996
STIFF CLAY	137684
ROCK	0
TOTAL	531993

- 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 ('GEO TECHNICAL 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

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
WorleyParsons
resources & energy
WORLD PARSONS PROJECT No.
301020-02685

Project Manager
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ABN 61 001 279 812

NEWCASTLE PORT CORPORATION
CAPITAL DREDGING PROJECT
WALSH POINT BERTH 1 PROPOSED BERTH
POCKET PLAN AND DREDGING VOLUMES
DRG No 301020-02685-W1-02
REV B

LOCATION: N:\301020\02685 NPC Capital Dredging Project\MC\Ca0301020-02685-W1.dwg
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