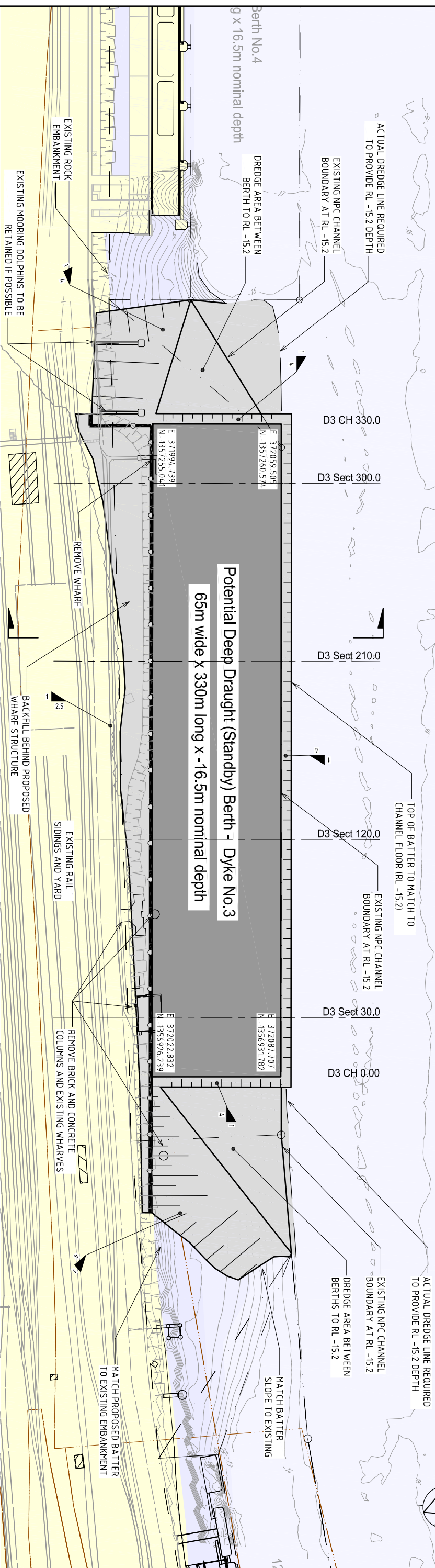


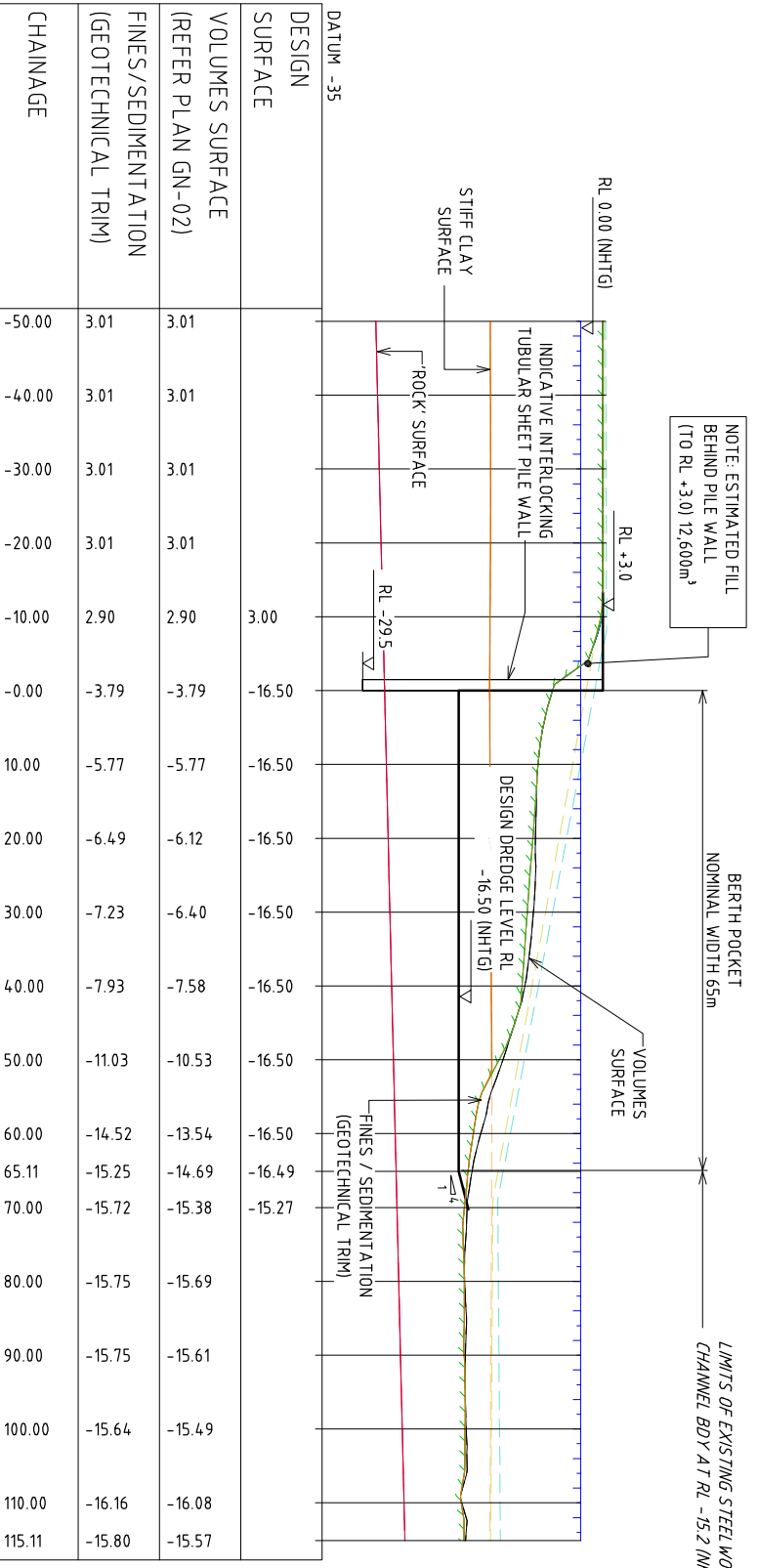
Steelworks Channel

Channel 15.2m nominal depth

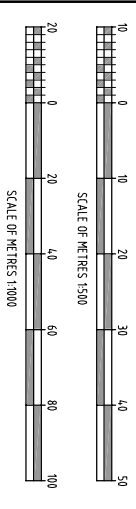


DREDGING VOLUMES TABLE

ALL VOLUMES ARE IN-SITU CUBIC METRES	TOTAL FOR DESIGN DEPTH
GENERAL FILL (LAND BASED)	0
SILTATION (POST DREDGING)	24219
FINES and SEDIMENTATION	0
HARBOUR MUD	3
SAND	104426
STIFF CLAY	111453
ROCK	0
TOTAL	240101



DESIGN BERTH PROFILE - TYPICAL SECTION



- LEGEND**
- BOUNDARY
 - EMBANKMENT (ROCK)
 - EMBANKMENT (OTHER)
 - STORMWATER OUTLET INTO HARBOUR
 - LAND (NOMINALLY ABOVE RL 0.0 (NHGT))
 - EXISTING NAVIGATION DEPTH RL 0.0 to -5.0m (NHGT)
 - EXISTING NAVIGATION DEPTH RL -5.0 to -10.0m (NHGT)
 - EXISTING NAVIGATION DEPTH BELOW RL -10.0m (NHGT)
 - 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 (NHGT) MATCH TO EXISTING CHANNEL
 - PROPOSED BATTER SLOPE (VARIES) REFER PLAN
 - EXTENT OF PROPOSED DREDGING
 - EXTENT OF PROPOSED DREDGING (BERTH POCKET ONLY)

REV	DATE	ISSUED FOR INTERNAL REVIEW AND COMMENT	REVISION DESCRIPTION	DRAWN	DRAFT CHK	DESIGNED	APPROVED	CUSTOMER
A	30/10	ISSUED FOR INTERNAL REVIEW AND COMMENT		MLC	MLC	MLC		
B	30/07/10	ISSUED FOR CLIENT REVIEW		MLC	MLC	MLC		

INITIALS SHOWN IN THE ADJACENT ISSUE RECORDS INDICATE THE STAGES UNDER TAKEN IN THE DRAWING APPROVAL PROCESS. DRAWINGS ARE ONLY TO BE USED FOR INFORMATIONAL PURPOSES AND THEREFORE NO NOTED FOR DRG STATUS. THE ORIGINAL SIGNATURES CAN BE FOUND ON THE REVERSE SIDE OF THE ORIGINAL OF THE DRG.

Customer: NEWCASTLE PORT CORPORATION
 Mr Scott & Newcomen Site
 Newcastle 2300
 Tel: (08) 496 2222 Fax: (08) 496 2200

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

MS SHEET SCALE AS SHOWN @ A1
 Worley Parsons Project No. 301020-02685

Project Manager: Worley Parsons resources & energy
 Newcastle East
 4/4, HEDDING ST
 NEWCASTLE EAST
 NSW 1510
 Tel: (08) 497 3330
 Fax: (08) 497 3339

WorleyParsons Services Pty Ltd
 Copyright ©
 ABRN 61001 279 872

NEWCASTLE PORT CORPORATION
 CAPITAL DREDGING PROJECT
 DYKE BERTH 3 - PROPOSED BERTH POCKET
 PLAN AND DREDGING VOLUMES
 DRG No. 301020-02685-D3-02