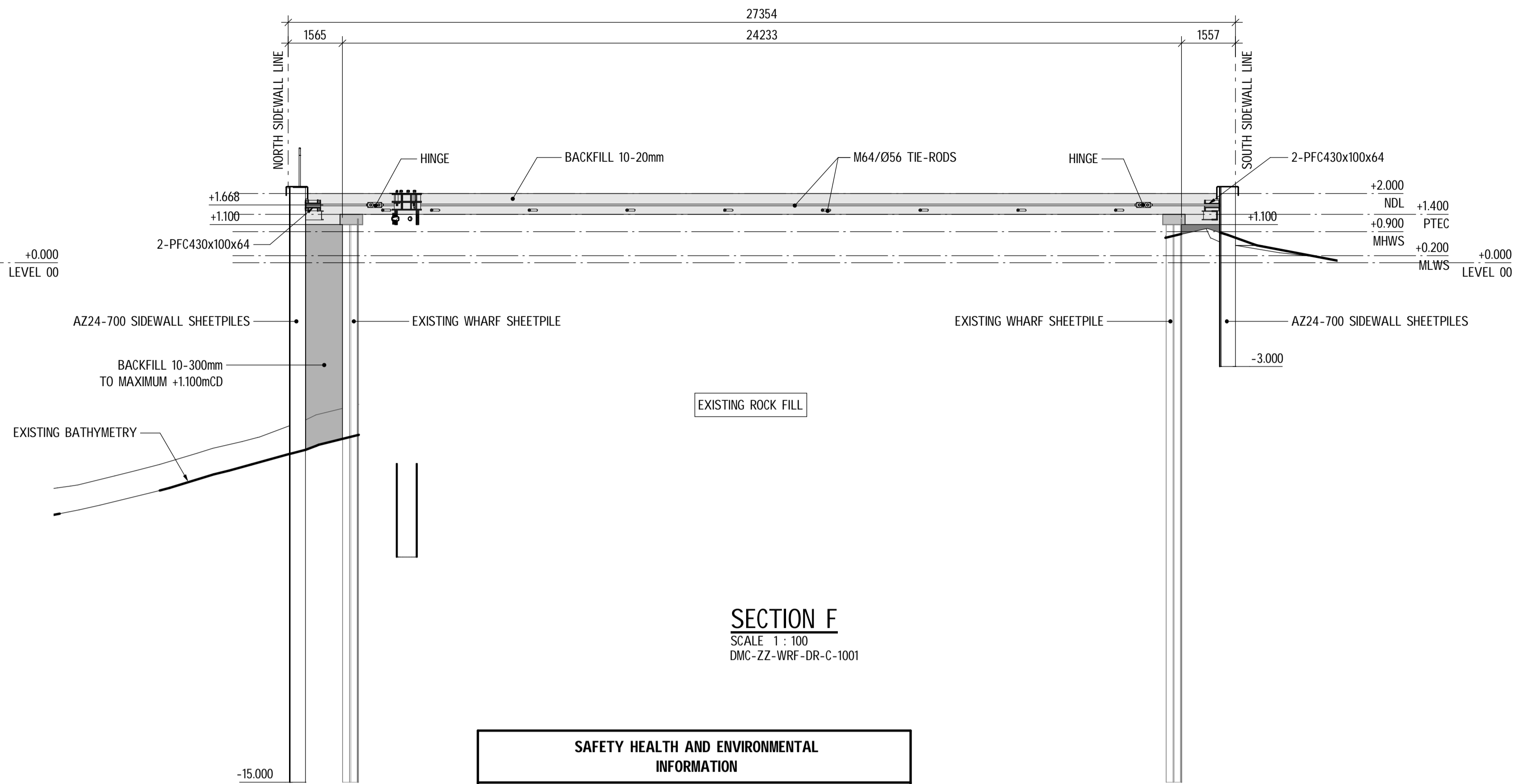


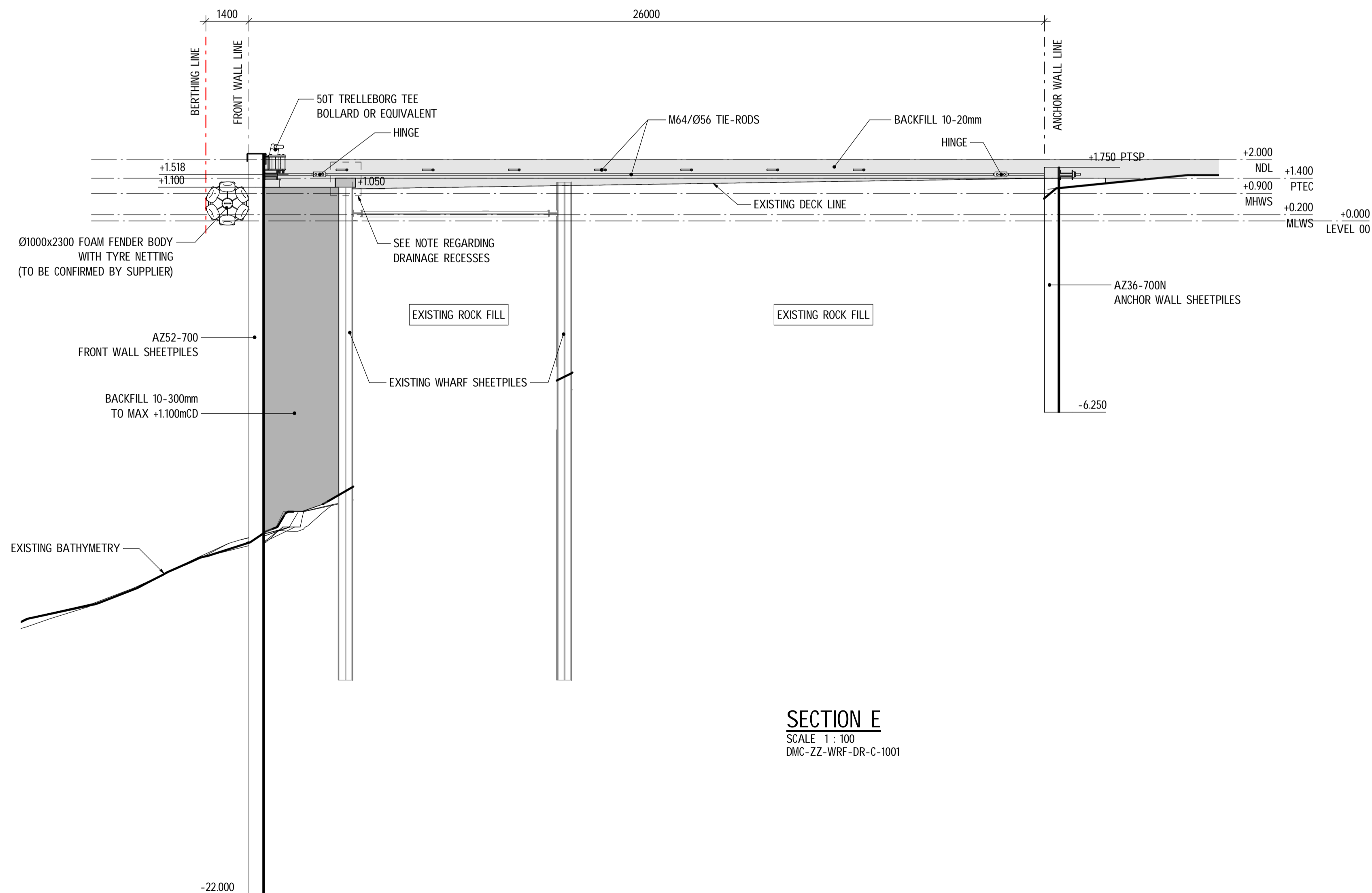
**ELEVATION D (ANCHOR WALL)**

SCALE 1 : 100  
DMC-ZZ-WRF-DR-C-1001



**SECTION F**

SCALE 1 : 100  
DMC-ZZ-WRF-DR-C-1001



**SECTION E**

SCALE 1 : 100  
DMC-ZZ-WRF-DR-C-1001

**SAFETY HEALTH AND ENVIRONMENTAL INFORMATION**

IN ADDITION TO THE HAZARDS, RISKS NORMALLY ASSOCIATED WITH THE TYPE OF CONSTRUCTION WORK OR RELATED STRUCTURAL WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING SIGNIFICANT RISKS AND INFORMATION.

RISKS LISTED HERE ARE SIGNIFICANT, AND ASSOCIATED WITH THE CONSTRUCTION WORK OR RELATED STRUCTURAL WORK. FOR DESIGN RISK REGISTER SEE BAA.4010-DMC-ZZ-WRF-RA-C-0001.

- THIS DRAWING CAN BE USED TO PREPARE FABRICATION AND SHOP DRAWINGS OF THE STEEL STRUCTURE.
- ONLY TYPICAL DETAILS HAVE BEEN CONSIDERED IN THE DESIGN DRAWINGS. DETAILS NEED TO BE FURTHER DEVELOPED BY STEEL FABRICATOR/SUPPLIER AND SEND TO BAM/DMC FOR REVIEW. AS RESULT OF THIS, FINAL DETAILS MAY DIFFER A BIT FROM THE ONES INDICATED ON THIS DRAWING.
- WATER LEVEL DIFFERENCES DUE TO PUMPING OF WATER ARE NOT ACCOUNTED FOR DURING DESIGN.
- ALL INFORMATION REGARDING EXISTING WHARF STRUCTURE TO BE CHECKED ON SITE.
- MINIMUM FILL THICKNESS OF 300mm ABOVE TIE-RODS TO BE MAINTAINED AT ALL TIMES. EXPOSED TIE-RODS TO BE COVERED ASAP. TO ENSURE PROPER DRAINAGE, RECESSES ARE TO BE MADE IN THE EXISTING CONCRETE CAPPING BEAM CTC 1.40m AND COINCIDING WITH FRONT WALL TIE-RODS. RECESS WIDTH MIN 200mm & DEPTH TO EXISTING DECK LEVEL.
- WALER BEAMS ARE TO BE PROPERLY SUPPORTED ON THE BACKFILL. THE UNDERLYING BACKFILL SHOULD BE LEVEL AND WITHOUT CAVITIES TO ENSURE UNIFORM SUPPORT.

- NO APPLICATION AND/OR MAINTENANCE OF COATING IS FORESEEN ON THE STEEL STRUCTURES. A CORROSION ALLOWANCE IS INCLUDED IN THE MATERIAL THICKNESS.
- CARGO/SURCHARGE LIMITATIONS APPLY AFTER FLOODING OF WHARF DUE TO HIGH WATER LEVELS OR WAVE ACTION. REFER TO O & M MANUAL FOR FURTHER GUIDANCE.
- ALL STEEL ELEMENTS HAVE A DESIGN LIFE OF 50 YEARS. AFTER THIS PERIOD THE STRUCTURE NEEDS TO BE DISMANTLED OR THE REMAINING STRUCTURE INTEGRITY SHOULD BE RE-ASSESSED.
- WEEPHOLES SHOULD BE INSPECTED AND ANY MARINE GROWTH / CORROSION NEEDS TO BE REMOVED FOR FURTHER GUIDANCE. SEE O & M MANUAL.
- MONITORING AND REPAIR OF SCOUR HOLES IN ACCORDANCE WITH THE O & M MANUAL.

FOR DESIGN - CONSTRUCTION INTERFACE REQUIREMENTS SEE METHOD STATEMENT BAA.4010- BAM-ZZ-YYY-MS-W-0001.

**CONSTRUCTION SEQUENCING:**

- DEVIATIONS FROM THE SUGGESTED CONSTRUCTION SEQUENCE TO BE AGREED WITH THE DESIGNER.
- ANCHOR WALL SHEETPILES.
- PLATFORM SHEETPILES.
- TIE-RODS FRONT WALL THEN SIDE WALLS.
- SLIPWAY SHEETPILES.
- BACKFILLING PLATFORM.
- BACKFILLING SLIPWAY:
  - PLATFORM BACKFILLING TO COMMENCE AFTER TIE-RODS ARE SECURED AND FASTENED.
  - FILL OF THE LOADING PLATFORM SHOULD NOT EXCEED LEVEL -6.5mCD PRIOR TO INSTALLATION OF THE SLIPWAY SHEETPILES.

**NOTES:**

- ALL DIMENSIONS IN mm UNLESS NOTED OTHERWISE.
- ALL LEVELS IN m RELATED TO CD UNLESS NOTED OTHERWISE.
- STEEL GRADE SHEETPILES: AS PER AZ SHEETPILE SCHEDULE.
- STEEL GRADE TIE-RODS: ASD0500 OR EQUIVALENT.
- STEEL GRADE WALING: S355J2.
- STEEL GRADE STEEL PLATES S355J2 UNLESS NOTED OTHERWISE.
- BACKFILL GRADE 10-300mm TO MAX +1.10mCD.
- USE BACKFILL GRADE 10-20mm ABOVE +1.10mCD AND LOCALLY AROUND WALER VERTICAL SUPPORTS.
- COMPACTION OF FILL IS NOT REQUIRED.
- TIE-ROD HINGES AND TURNBUCKLES BY TIE-ROD PROVIDER.
- EACH TIE-ROD INSTALLED WITH 2 HINGES, CORNER TIE-ROD WITH 1 HINGE.
- NO TENSIONING OF TIE-RODS REQUIRED BEYOND REMOVAL OF SLACK.
- DESIGN TOE LEVEL IN ACCORDANCE TO DESIGN REPORT FOR FRONT WALL AZ52-700 AND AZ42-700, -21mCD AND -19mCD RESPECTIVELY. 1m ADDITIONAL PENETRATION TO ALLOW SOME SCOUR.
- ALL SHEETPILES EXCEPT ANCHOR WALL SHEETS TO BE PROVIDED WITH WEEP HOLES, SEE DRAWING BAA.4010-DMC-ZZ-WRF-DR-C-1006.

**LEGEND:**

- NDL - NEW DECK LEVEL
- MHWS - MEAN HIGH WATER SPRING
- MLWS - MEAN LOW WATER SPRING
- PTEC - PLATFORM TOP OF EXISTING COPING (APPR)
- PTSP - PLATFORM TOP OF ANCHOR WALL SHEETPILES
- PA - PLATFORM ANCHOR WALL SHEETPILES

Client:	BRITISH ANTARCTIC SURVEY		
Project:	KING EDWARD POINT WHARF UPGRADE		
Description:	DETAILED DESIGN LOADING PLATFORM CROSS SECTIONS		
	Scale:	1:100	Author: MSG / ETZ
	Paper size:	A1	Checked: MKE
Office:	H.J. Norderhorststraat 1 2801 SC Gouda The Netherlands P.O. Box 248 2800 AG Gouda +31 (0) 182 590 410 www.dmc.nl / dmc@dmcc.nl	Released:	Signature:
Postal address:		Signature:	Signature:
Phone:		Signature:	Signature:
Internet:		Signature:	Signature:
Drawing number:	BAA.4010-DMC-ZZ-WRF-DR-C-1003		
BAM Drawing number:			
Status:	FOR CONSTRUCTION	Revision:	C02
Suitability:	A	Date:	21/11/19
BIM 360://CEP.02722 - King Edward Point Wharf Upgrade/BAA4010-DMC-ZZ-WRF-M3-C-0001.rvt			