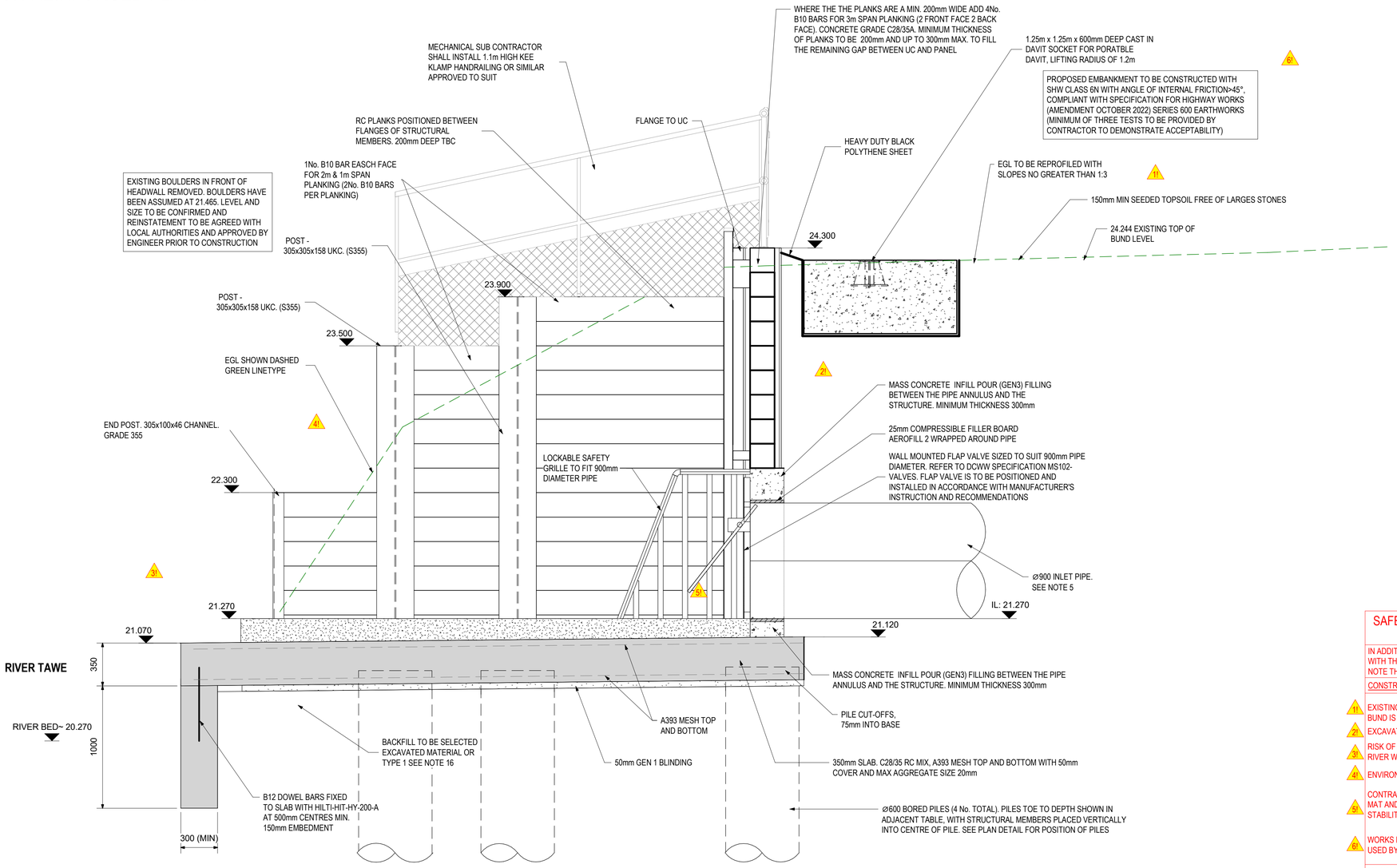


BENDING SCHEDULE FOR 3m SPAN CONCRETE PLANK. DIMENSION A IS CUT TO SUIT ON SITE FOR SHORTER PLANKS
MORGAN SINDALL TO DETERMINE FULL ORDER TO SUIT FINAL HEIGHTS OF HEADWALL

Location	Bar mark	Type and size		Number of members	Number in each	Total number	Length of each bar mm	Shape code	All bending dimensions are in accordance with BS 8666					REV
		type	Ø mm						A mm	B mm	C mm	D mm	E/R mm	
Concrete plank	13	B	10	1	4	4	3350	13	3300	90	305			

PLAN ON REINFORCED PLANK

1 : 5



SECTION 1-1

1 : 20

0 0.1 0.2 0.3 0.4 0.5 1.0 1.5 2.0
SCALE 1:20

NOTES:

A1

1. ALL LEVELS & DIMENSIONS IN METRES UNLESS NOTED OTHERWISE (U.N.O).
2. REFER TO GENERAL NOTES DRAWING FOR DETAILS OF CONCRETE GRADES, COVER, BLINDING, FINISHES ETC.
3. EXISTING SERVICES TAKEN FROM AS BUILT RECORDS AND CANNOT BE RELIED UPON FOR ACCURACY. SERVICES HAVE BEEN OBSERVED ON SITE WHERE NO RECORDS ARE AVAILABLE.
4. LINE & LEVEL OF EXISTING UTILITIES TO BE CONFIRMED AT START OF CONSTRUCTION.
5. PIPE BEDDING TO BE CLASS S AS PER DCWW DETAIL SDC 2003/001.
6. TRENCH AND ROAD TO BE REINSTATED AS PER DCWW STANDARD DETAIL SDC 2002 SERIES.
7. ALL PIPEWORK WITHIN GRASSLAND WITH LESS THAN 0.9m COVER TO BE ENCASED IN MIN 150mm CONCRETE SURROUND AS PER SDC DETAIL 2003/ 003.
8. ALL PIPEWORK WITHIN ROAD AND VERGE WITH LESS THAN 1.2m COVER TO BE ENCASED IN MIN 150mm CONCRETE SURROUND AS PER SDC DETAIL 2003/ 003.
9. VEGETATION CLEARANCE REQUIRED FOR THE INSTALLATION OF THE NEW HEADWALL. JAPANESE KNOTWEED HAS BEEN NOTED ON THE RIVER BANKS - APPROPRIATE MANAGEMENT PLAN OF INVASIVE SPECIES IS REQUIRED BY THE NRW.
10. A FRAP IS REQUIRED PRIOR TO ANY CONSTRUCTION WORKS COMMENCING.
11. ANY TEMPORARY OR PERMANENT FOOTPATH DIVERSIONS ARE TO BE ARRANGED BY THE CONTRACTOR.
12. THE PRECISE LOCATION OF THE HEADWALL IS TO BE AGREED ON SITE WITH THE ENGINEER FOLLOWING VEGETATION CLEARANCE. ONCE AGREED, SETTING OUT INFORMATION FOR PILES/APRON CAN BE ADJUSTED.
13. CONCRETE STRENGTH CLASS: C28/35; DC CLASS: DC-2.
14. CONCRETE FOOTPATH SHOULD HAVE SLIP-RESISTANT SURFACES. SURFACES SHALL BE SCREEDED WITH A LIGHTLY BRUSHED MARKED FINISH. DEPTH OF ENGINEERED FILL TO BE DESIGNED SUBJECT TO PREVAILING GROUND CONDITIONS. STEP TO BE ARRANGED TO PREVENT PONDING OF WATER. WHERE APPROPRIATE. DIMENSIONS AND SURFACE FINISH TO MEET THE REQUIREMENTS OF BS5395-1:2010. HANDRAILS TO BE PROVIDED IN ACCORDANCE WITH THE DIMENSIONAL REQUIREMENTS OF BS8300:2009 + A2010 AND BS5395-1:2010
16. UNTIL THE PROPERTIES OF THE EXCAVATED MATERIAL ARE KNOWN, TYPE 1 MATERIAL SHOULD BE ASSUMED FOR ALL BACKFILL.

REFERENCE DRAWINGS:

- B16241-103503-01-ZZ-DR-CA-CI5060 PIPE NETWORK FINAL EFFLUENT TO OUTFALL, PLAN & PROFILE
- B16421-102503-ZZ-ZZ-DR-CA-CI5010 HEADWALL GENERAL NOTES
- B16421-102503-XX-XX-SP-SA-CI5401 CONCRETE PILING SPECIFICATION
- B16241-102503-01-ZZ-DR-CA-CI5062 HEADWALL OUTFALL PLAN & DETAILS
- B16241-102503-01-ZZ-DR-CA-CI5064 HEADWALL OUTFALL SECTION 2-2
- B16241-102503-01-ZZ-DR-CA-CI5065 HEADWALL OUTFALL SECTIONS 3-3 & 4-4

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING:

CONSTRUCTION:

1! EXISTING GROUND STABILITY AND MAKE UP OF THE FLOOD BUND IS UNKNOWN.

2! EXCAVATED MATERIAL COULD BE CONTAMINATED.

3! RISK OF DROWNING - WORKING CLOSE TO & WITHIN THE RIVER WITH FLUCTUATING WATER LEVELS.

4! ENVIRONMENTAL RISK OF WORKING NEAR A WATERCOURSE.

5! CONTRACTOR TO DETERMINE REQUIREMENT FOR PILING MAT AND OTHER TEMPORARY WORKS AND ASSESS STABILITY OF RIVERBANK FOR THEIR SELECTED PLANT

6! WORKS LOCATED WITHING CLOSE PROXIMITY OF FOOTPATH USED BY GENERAL PUBLIC

MAINTENANCE / CLEANING / OPERATION:

DECOMMISSIONING / DEMOLITION:

REFER TO THE DESIGN RISK REGISTER FOR FURTHER DETAILS. IT IS ASSUMED THAT ALL THE WORKS ON THIS SRAWING WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WHO HAS CARRIED OUT A COMPREHENSIVE RISK ASSESSMENT.

Rev.	Description.	Drawn.	Chkd.	Appd.	Issue Date.
P01	FOR PLANNING	SSJ	GS	BMB	04/06/24

Capital Delivery Alliance
Cynghrair Cyflawni Cyfalaf
Ty Awen, Spooner Close, Coed Kernew, Newport, NP108FZ

Project Name. TREBANOS WwTW

Drawing Title. HEADWALL OUTFALL SECTION 1-1

Suitability. FOR PLANNING | Suitability Code PL

Originator.	Designer.	Date.
SSJ	GS	MARCH 24
Internal Project Number. 275281	Scale. As indicated@ A1	Rev. P01

Drawing Number. B16241-102503-01-ZZ-DR-CA-CI5063

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Halcrow Planning v1