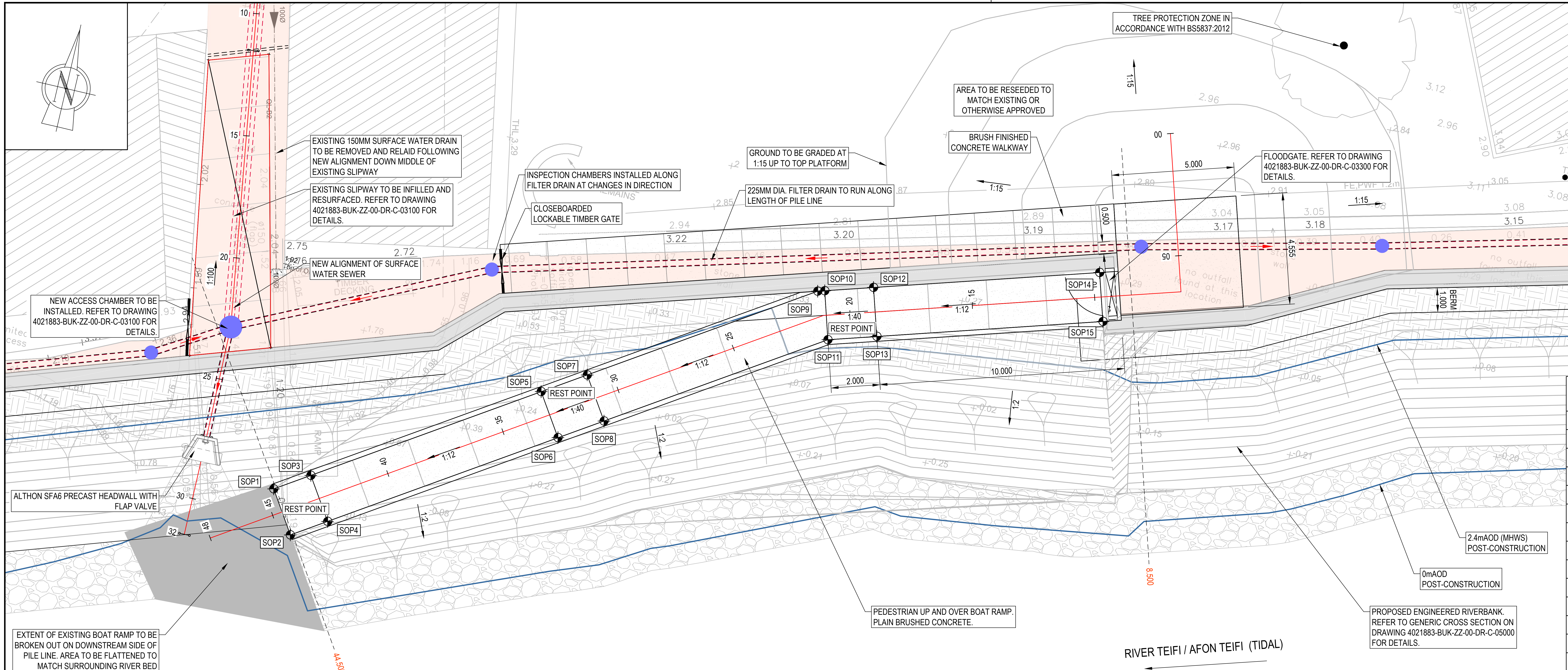

EXISTING 150MM SURFACE WATER DRAIN TO BE REMOVED AND RELAID FOLLOWING NEW ALIGNMENT DOWN MIDDLE OF EXISTING SLIPWAY
EXISTING SLIPWAY TO BE INFILLED AND RESURFACED. REFER TO DRAWING 4021883-BUK-ZZ-00-DR-C-03100 FOR DETAILS.
NEW ALIGNMENT OF SURFACE WATER SEWER
NEW ACCESS CHAMBER TO BE INSTALLED. REFER TO DRAWING 4021883-BUK-ZZ-00-DR-C-03100 FOR DETAILS.
INSPECTION CHAMBERS INSTALLED ALONG FILTER DRAIN AT CHANGES IN DIRECTION
CLOSEBOARDED LOCKABLE TIMBER GATE
GROUND TO BE GRADED AT 1:15 UP TO TOP PLATFORM
225MM DIA. FILTER DRAIN TO RUN ALONG LENGTH OF PILE LINE
AREA TO BE RESEEDED TO MATCH EXISTING OR OTHERWISE APPROVED
BRUSH FINISHED CONCRETE WALKWAY
TREE PROTECTION ZONE IN ACCORDANCE WITH BS5837:2012
FLOODGATE. REFER TO DRAWING 4021883-BUK-ZZ-00-DR-C-03300 FOR DETAILS.
ALTHON SFA6 PRECAST HEADWALL WITH FLAP VALVE
EXTENT OF EXISTING BOAT RAMP TO BE BROKEN OUT ON DOWNSTREAM SIDE OF PILE LINE. AREA TO BE FLATTENED TO MATCH SURROUNDING RIVER BED LEVELS AND DEBRIS REMOVED
PEDESTRIAN UP AND OVER BOAT RAMP. PLAIN BRUSHED CONCRETE.
2.4mAOD (MHWS) POST-CONSTRUCTION
0mAOD POST-CONSTRUCTION
PROPOSED ENGINEERED RIVERBANK. REFER TO GENERIC CROSS SECTION ON DRAWING 4021883-BUK-ZZ-00-DR-C-05000 FOR DETAILS.
RIVER TEIFI / AFON TEIFI (TIDAL)
SOP1
SOP2
SOP3
SOP4
SOP5
SOP6
SOP7
SOP8
SOP9
SOP10
SOP11
SOP12
SOP13
SOP14
SOP15
REST POINT
REST POINT
REST POINT
1:12
1:40
1:15
1:100
1:2
5.000
2.000
10.000
0.500
4.555
BERM 1.000
8.500
44.500
00
05
10
15
20
25
30
35
40
45
48

PLAN

SCALE 1:100

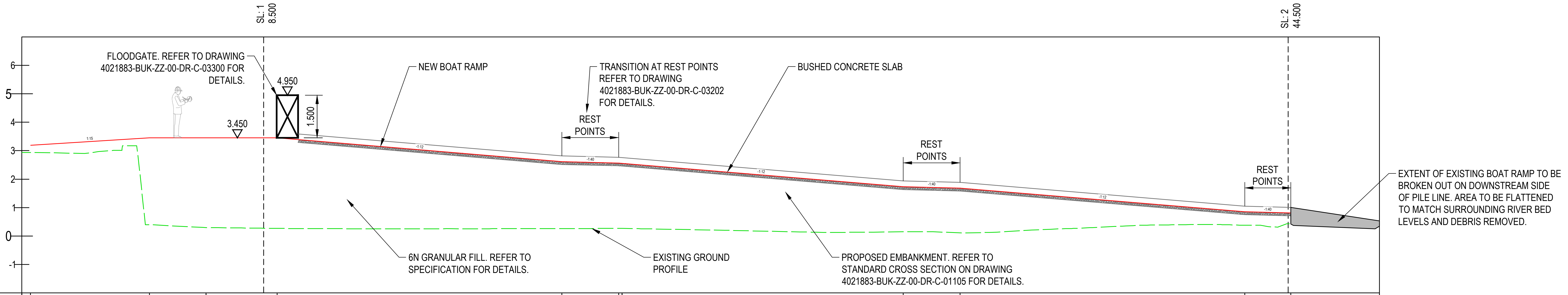
BOAT RAMP SETTING OUT POINTS		
POINT	EASTING	NORTHING
SOP1	217918.918	245928.990
SOP2	217920.013	245927.315
SOP3	217920.270	245929.874
SOP4	217921.364	245928.200
SOP5	217928.640	245935.345
SOP6	217929.735	245933.671
SOP7	217930.315	245936.440
SOP8	217931.409	245934.766
SOP9	217938.690	245941.914
SOP10	217938.962	245941.997
SOP11	217939.546	245940.084
SOP12	217940.875	245942.581
SOP13	217941.459	245940.668
SOP14	217949.717	245945.282
SOP15	217950.302	245943.369

LONGITUDINAL SECTION

(UP AND OVER)

CHAINAGE: 0 TO 48
SCALE: H 1:50, V 1:50

DATUM: -2.00m AOD


SL: 1 8.500
SL: 2 44.500
FLOODGATE. REFER TO DRAWING 4021883-BUK-ZZ-00-DR-C-03300 FOR DETAILS.
NEW BOAT RAMP
TRANSITION AT REST POINTS REFER TO DRAWING 4021883-BUK-ZZ-00-DR-C-03202 FOR DETAILS.
BUSHED CONCRETE SLAB
REST POINTS
REST POINTS
REST POINTS
4.950
3.450
1.500
6N GRANULAR FILL. REFER TO SPECIFICATION FOR DETAILS.
EXISTING GROUND PROFILE
PROPOSED EMBANKMENT. REFER TO STANDARD CROSS SECTION ON DRAWING 4021883-BUK-ZZ-00-DR-C-01105 FOR DETAILS.
EXTENT OF EXISTING BOAT RAMP TO BE BROKEN OUT ON DOWNSTREAM SIDE OF PILE LINE. AREA TO BE FLATTENED TO MATCH SURROUNDING RIVER BED LEVELS AND DEBRIS REMOVED.
6
5
4
3
2
1
0
-1

PROPOSED LEVEL		3.189	3.450	3.450	3.450	2.617	2.567	1.733	1.683	0.850	0.810	
EXISTING LEVEL	2.94	2.94	0.40	0.30	0.27	0.26	0.27	0.15	0.11	0.38	0.42	0.35
LEVEL DIFFERENCE		0.253	3.055	3.154	3.183	2.353	2.299	1.583	1.571	0.468	0.385	
CHAINAGE	00	00.30	04.48	06.47	08.97	18.97	20.97	30.97	32.97	42.97	44.59	47.71

HORIZONTAL ALIGNMENT	L:6.47	R:0.00 L:0.00	L:2.50	L:12.12	R:0.00 L:0.00	L:26.62		
VERTICAL ALIGNMENT	G:1:16.0 L:4.18	G:Horizontal L:4.49	G:-1:12.0 L:10.00	G:-1:40.0 L:2.00	G:-1:12.0 L:10.00	G:-1:40.0 L:2.00	G:-1:12.0 L:10.00	G:-1:40.0 L:1.62

Note: The limits, including the height and depths of the Works, shown in this drawing are not to be taken as limiting the obligations of the contractor under Contract.

NOTES:
1. ALL DIMENSIONS IN METRES AND ALL LEVELS IN METRES AOD, UNLESS NOTED OTHERWISE.
2. LOCAL GROUND LEVEL CHANGES BUT WALL HEIGHT REMAINS CONSISTENT ACROSS ALL AREAS.

LEGEND:
- FLOOD DEFENCE WALL ALIGNMENT
- FINISHED GROUND PROFILE (FGL)
- NEW SURFACE AMENDMENTS
- BRUSHED CONCRETE FINISH
- }ENGINEERED RIVERBANK
- EXISTING GROUND PROFILE (EGL)
- EXISTING EMBANKMENT EXTENT
- EXISTING RAINWATER PIPES
- PROPOSED SURFACE WATER FILTER DRAIN

EXISTING SERVICES LEGEND (GPR):
- — sws — sws — SURFACE DRAINAGE

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION:
IN ADDITION TO THE HAZARDS OR RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, THE FOLLOWING SIGNIFICANT RESIDUAL RISKS SHOULD BE NOTED. FURTHER DETAILS ARE INCLUDED IN THE CDM DESIGN RISK MANAGEMENT REGISTER
CONSTRUCTION:
B.3 POTENTIAL FOR ARCHAEOLOGICAL FINDS B.6 POOR GROUND CONDITIONS E.25 RISK OF FLOODING F.6 SAC/SSSI SITES OF NATIONAL AND INTERNATIONAL SIGNIFICANCE - REFER TO SUPPORTING ENVIRONMENTAL LITERATURE
MAINTENANCE, CLEANING AND OPERATION:
S.8 (J.1) - OPERATION OF FLOOD GATES OTHER RISKS ARE LIKELY TO BE SIMILAR TO THE CONSTRUCTION STAGE
DECOMMISSIONING OR DEMOLITION:
RISKS ARE LIKELY TO BE SIMILAR TO THE CONSTRUCTION STAGE BUT SHOULD BE RECONSIDERED IN ADVANCE OF DECOMMISSIONING, DEMOLITION, FUTURE REFURBISHMENT OR REPLACEMENT.

4m 3m 2m 1m 0m 2m 4m
Scale 1:100

Rev	Drawn	Chkd	Rvwd	Apprvd	Date	Description
P01	CF	ES	AJ	AH	16/01/26	80% Design Issue
P02	CF	LJM	AJ	AH	18/03/26	PLANNING PRE-APP ISSUE
P03	CF	AJ	APH	AH	25/09/26	PLANNING ISSUE

Designed by: Date:

Status
S3 Suitable for Review and Comment

Client
Cyfoeth Naturiol Cymru
Natural Resources Wales

Client Project No.
Revision

Binnies UK Limited
Spring Lodge, 172 Chester Road, Helsby, Cheshire, WA6 0AR, UK.
Tel: +44(0)1737 774155

Project
CARDIGAN TIDAL FRMS
DETAILED DESIGN

Drawing title
AREA 3
BOAT RAMP PLAN AND LONGSECTION

Drawing scale: 1:100
Sheet size: A1

Drawing no.
4021883-BUK-ZZ-00-DR-C-03200

Revision
P03

Parent Model: SHEET NAME

ON PROJECTWISE

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