BATHROOM CENTRE SHOWROOM

WELSH WATER (DCWW) DISCHARGE CHAMBER

EXISTING DCWW OUTFALL HEADWALL AND HANDRAILING TO BE REMOVED. HANDRAILING AND REPLACED TO DCWW SPECIFICATION.

SHEET PILE (PU18) FLOOD WALL ALIGNMENT. REFER TO DRAWING 4021883-BUK-ZZ-00-DR-C-01250 FOR DETAILS.

0mAOD POST-CONSTRUCTION

2.4mAOD (MHWS) POST-CONSTRUCTION

FILTER DRAIN OUTFALL AND HEADWALL

FOR FLOOD GATE AND ACCESS DETAILS REFER TO DRAWING 4021883-BUK-ZZ-00-DR-C-71400 AND 71450.

1.000 BERM

EXISTING 600MM DIAMETER DI PIPE WITH ROCKERS SEE DCWW DRAWINGS FOR DETAILS

SURFACE WATER DRAIN IL 1.90MOD INTO DISCHARGE CHAMBER

ROAD SIGN

GULLY TO DRAIN ANY SURFACE WATER

REFER TO LANDSCAPING DRAWING 4021883-BUK-ZZ-00-DR-L-70201 FOR DETAILS.

2 NO. 100MM ELECTRIC CABLE DUCTS TO DISCHARGE CHAMBER. SEE DCWW DRAWING FOR DETAILS

LOCKABLE ACCESS INTO DCWW ASSET AREA

2NO. 500MM DUCTILE IRON DISCHARGE PIPES WITH PUDDLE FLANGE EXTENDED TO REACH NEW HEADWALL. BEDDING CLASS S PIPE SURROUND WITH 150MM THICK GEN3 MASS CONCRETE SLAB.

ACCESS TO HEADWALL ALONG EMBANKMENT BERM FROM ACCESS GATE

ALTHON SFA15A HEADWALL INCLUDING HANDRAILING

PROPOSED ENGINEERED RIVERBANK. REFER TO STANDARD CROSS SECTION ON DRAWING 4021883-BUK-ZZ-00-DR-C-05000 FOR DETAILS.

LAMP POST

REFER TO LANDSCAPING DRAWINGS FOR WALL DETAIL

RIVER TEIFI / AFON TEIFI (TIDAL)

PLAN

SCALE 1:50

EXISTING FENCING ON CHAMBER TO BE REPLACED TO ACCOMMODATE CHANGE IN ORIENTATION OF ACCESS STEPS

WELSH WATER (DCWW) DISCHARGE CHAMBER

EXISTING FENCING ON ROAD SIDE WALL TO BE REMOVED

EXISTING ROAD SIDE WALL TO BE RAISED AND EXTENDED TO PREVENT UNAUTHORISED ACCESS TO THE CHAMBER

EXISTING 600MM DIAMETER DI PIPE WITH ROCKERS SEE DCWW DRAWINGS FOR DETAILS

PAVING

PLANTING

EXISTING DCWW OUTFALL HEADWALL AND HANDRAILING TO BE REMOVED. HANDRAILING AND REPLACED TO DCWW SPECIFICATION.

DRY SIDE

WET SIDE

REFER TO LANDSCAPING DRAWING 4021883-BUK-ZZ-00-DR-L-71002 FOR FINISH DETAILS.

150MM THICK GEN3 MASS CONCRETE SLAB

COPING STONE. SEE DRAWING 4021883-BUK-ZZ-00-DR-C-05300 FOR DETAILS.

STONE CLADDING. SEE DRAWING 4021883-BUK-ZZ-00-DR-C-05200 FOR DETAILS.

PROPOSED SHEET PILE (PU18) WALL ALIGNMENT

ROCK ROLLS PACKED WITH TOPSOIL AND SEEDED

FOR FLOOD GATE AND ACCESS DETAILS REFER TO DRAWING 4021883-BUK-ZZ-00-DR-C-71400 AND 71450.

1.000 BERM

ALTHON SFA15A HEADWALL INCLUDING HANDRAILING

RIP RAP SCOUR PROTECTION TO HEAD WALL

GRANULAR FILL

500MM TIDEFLEX CHECKMATE INLINE VALVE

REMOVE EXISTING 75MM GEN1 BLINDING LAYER

EXISTING RIVER BED AND SOFT GROUND TO BE CLEARED BEFORE PLACEMENT OF FILL.

TOPO EXTENT

INDICATIVE BED

2NO. 500MM DUCTILE IRON DISCHARGE PIPES WITH PUDDLE FLANGE EXTENDED TO REACH NEW HEADWALL. BEDDING CLASS S PIPE SURROUND WITH 150MM THICK GEN3 MASS CONCRETE SLAB.

EXISTING BEDDING IS CLASS S PIPE SURROUND TO BE REMOVED WITH EXISTING DISCHARGE PIPES THEN REINSTATED TO SURROUND NEW EXTENDED PIPES

REMOVE PRE-FILLED ROCK MATTRESSES AND SOFT GROUND TO A DEPTH OF 250MM.

CONCRETE FOUNDATIONS TO SUPPORT CLADDING. REFER TO DRAWING 4021883-BUK-ZZ-00-DR-C-05200.

75MM GEN1 BLINDING LAYER IF GROUND CONDITIONS NECESSITATE

LONGITUDINAL SECTION

(DCWW OUTFALL)

CHAINAGE: 0 TO 24

DATUM: -2.00m AOD

CHAINAGE	00.000	05.000	10.000	15.000	20.000	24.000
GROUND LEVEL (EXISTING)		0.04	1.21	0.45		

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. VEGETATION CLEARANCE REQUIRED ACROSS AREA 1. HIGHWAY WALL NEXT TO BRIDGE WILL REQUIRE REPOINTING FOLLOWING VEGETATION CLEARANCE AND NEW WALL TIE IN.
3. LOCAL GROUND LEVEL CHANGES BUT WALL HEIGHT REMAINS CONSISTENT ACROSS ALL AREAS.
4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE DISCHARGE CHAMBER PLAN AND SECTION ISSUED FOR CONSTRUCTION 4392_S_216-ARP-01-BG-DR-CX-05006. NO AS BUILT DRAWINGS HAVE BEEN PROVIDED AND IT IS ASSUMED THAT THE DRAWING ISSUED FOR CONSTRUCTION REPRESENTS THE EXISTING OUTFALL STRUCTURE.

LEGEND:

- FLOOD DEFENCE WALL ALIGNMENT
- FINISHED GROUND PROFILE (FGL)
- NEW SURFACE AMENDMENTS
- COPING
- CLADDING
- PILE
- ENGINEERED RIVERBANK
- EXISTING GROUND PROFILE (EGL)
- EXISTING EMBANKMENT EXTENT
- EXISTING RAINWATER PIPES
- PROPOSED SURFACE WATER SEWER NETWORK

EXISTING SERVICES LEGEND (FROM RECORD):

- SEWER - COMBINED (NEWLY BUILT RISING MAIN)
- SEWER - COMBINED
- SEWER - COMBINED (RISING MAIN)
- SEWER - SURFACE WATER (DCWW)
- SEWER - SURFACE WATER (CCC)
- WATER MAIN - POTABLE
- GIP - GAS MAIN - INTERMEDIATE PRESSURE
- GLP - GAS MAIN - LOW PRESSURE
- ELEC - ELECTRIC - UNSPECIFIED
- HV - ELECTRIC - HIGH VOLTAGE
- LV - ELECTRIC - LOW VOLTAGE
- LVo - ELECTRIC - LOW VOLTAGE (OVERHEAD)
- SL - ELECTRIC - STREET LIGHTING
- BT - BT

EXISTING SERVICES LEGEND (GPR):

- ELECTRICITY
- ELECTRICITY FROM RECORDS
- OVERHEAD ELECTRICITY
- GAS FROM RECORDS
- COMBINED DRAINAGE
- COMBINED DRAINAGE FROM RECORDS
- FOUL DRAINAGE
- FOUL DRAINAGE FROM RECORDS
- SURFACE DRAINAGE
- SURFACE DRAINAGE FROM RECORDS
- WATER FROM RECORDS
- UNKNOWN ROUTE
- UNKNOWN ROUTE LOCATED BY GPR

1m 0m 1m 2m 3m

Scale 1:50

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.2 POTENTIAL CLASHES WITH UNCHARTERED SERVICES
B.10 CONFINED SPACE
C.5 LIFTING OPERATIONS
E.23 BUILD UP OF DEBRIS AND VEGETATION
E.25 RISK OF FLOODING
F.6 SAC/SSSI SITES OF NATIONAL AND INTERNATIONAL SIGNIFICANCE - REFER TO SUPPORTING ENVIRONMENTAL LITERATURE

MAINTENANCE, CLEANING AND OPERATION:

N/A

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.

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

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Project: CARDIGAN TIDAL FRMS DETAILED DESIGN

Drawing title: AREA 1 DCWW OUTFALL

Drawing scale: 1:200 Sheet size: A1

Drawing no.: 4021883-BUK-ZZ-00-DR-C-01300 Revision: P03

Parent Model: SHEET NAME

ON PROJECTWISE

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