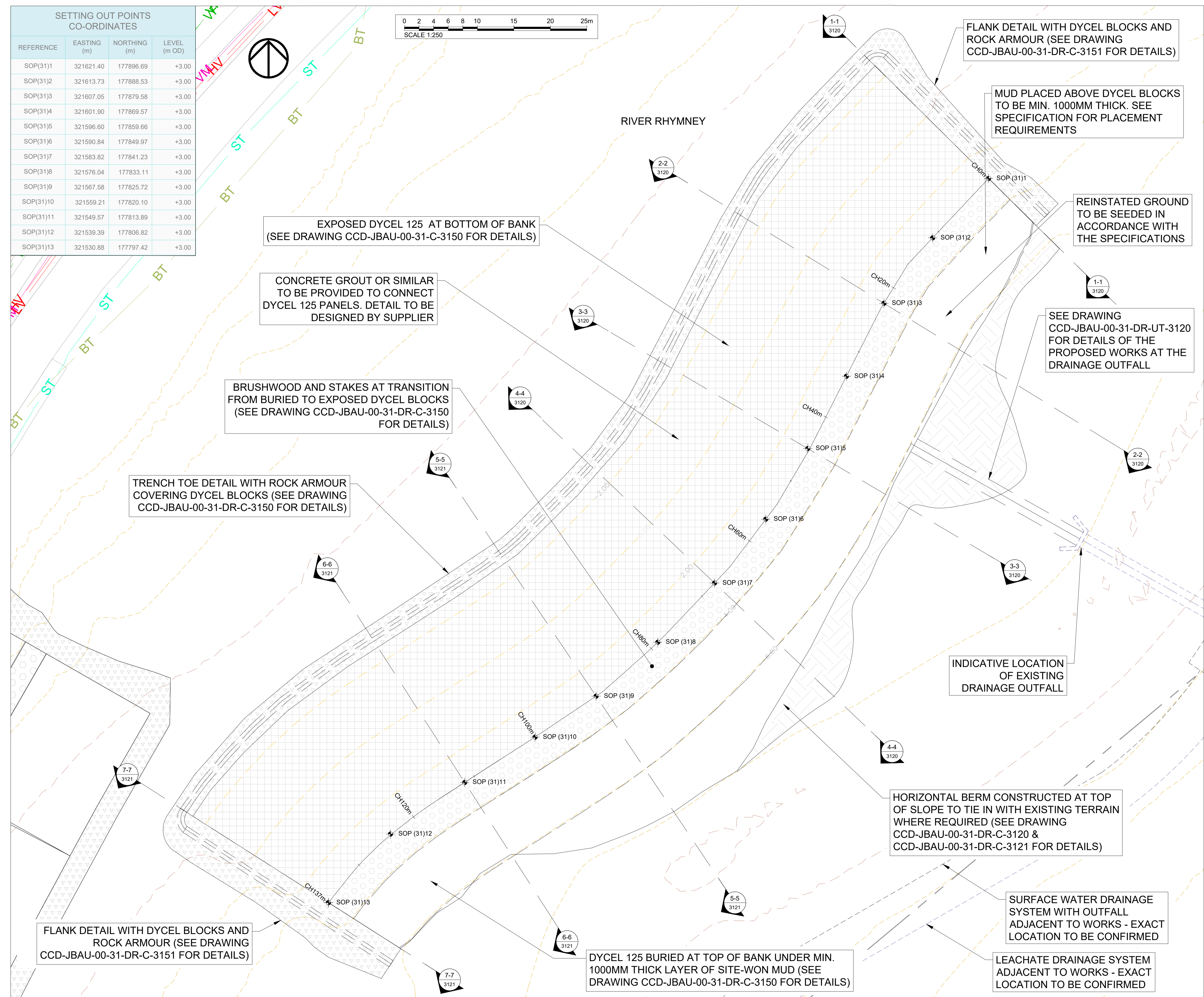
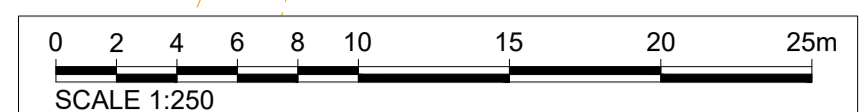


SETTING OUT POINTS CO-ORDINATES			
REFERENCE	EASTING (m)	NORTHING (m)	LEVEL (m OD)
SOP(31)1	321621.40	177896.69	+3.00
SOP(31)2	321613.73	177888.53	+3.00
SOP(31)3	321607.05	177879.58	+3.00
SOP(31)4	321601.90	177869.57	+3.00
SOP(31)5	321596.60	177859.66	+3.00
SOP(31)6	321590.84	177849.97	+3.00
SOP(31)7	321583.82	177841.23	+3.00
SOP(31)8	321576.04	177833.11	+3.00
SOP(31)9	321567.58	177825.72	+3.00
SOP(31)10	321559.21	177820.10	+3.00
SOP(31)11	321549.57	177813.89	+3.00
SOP(31)12	321539.39	177806.82	+3.00
SOP(31)13	321530.88	177797.42	+3.00



EXPOSED DYCEL 125 AT BOTTOM OF BANK (SEE DRAWING CCD-JBAU-00-31-C-3150 FOR DETAILS)

CONCRETE GROUT OR SIMILAR TO BE PROVIDED TO CONNECT DYCEL 125 PANELS. DETAIL TO BE DESIGNED BY SUPPLIER

BRUSHWOOD AND STAKES AT TRANSITION FROM BURIED TO EXPOSED DYCEL BLOCKS (SEE DRAWING CCD-JBAU-00-31-DR-C-3150 FOR DETAILS)

TRENCH TOE DETAIL WITH ROCK ARMOUR COVERING DYCEL BLOCKS (SEE DRAWING CCD-JBAU-00-31-DR-C-3150 FOR DETAILS)

FLANK DETAIL WITH DYCEL BLOCKS AND ROCK ARMOUR (SEE DRAWING CCD-JBAU-00-31-DR-C-3151 FOR DETAILS)

DYCEL 125 BURIED AT TOP OF BANK UNDER MIN. 1000MM THICK LAYER OF SITE-WON MUD (SEE DRAWING CCD-JBAU-00-31-DR-C-3150 FOR DETAILS)

FLANK DETAIL WITH DYCEL BLOCKS AND ROCK ARMOUR (SEE DRAWING CCD-JBAU-00-31-DR-C-3151 FOR DETAILS)

MUD PLACED ABOVE DYCEL BLOCKS TO BE MIN. 1000MM THICK. SEE SPECIFICATION FOR PLACEMENT REQUIREMENTS

REINSTATED GROUND TO BE SEED IN ACCORDANCE WITH THE SPECIFICATIONS

SEE DRAWING CCD-JBAU-00-31-DR-UT-3120 FOR DETAILS OF THE PROPOSED WORKS AT THE DRAINAGE OUTFALL

INDICATIVE LOCATION OF EXISTING DRAINAGE OUTFALL

HORIZONTAL BERM CONSTRUCTED AT TOP OF SLOPE TO TIE IN WITH EXISTING TERRAIN WHERE REQUIRED (SEE DRAWING CCD-JBAU-00-31-DR-C-3120 & CCD-JBAU-00-31-DR-C-3121 FOR DETAILS)

SURFACE WATER DRAINAGE SYSTEM WITH OUTFALL ADJACENT TO WORKS - EXACT LOCATION TO BE CONFIRMED

LEACHATE DRAINAGE SYSTEM ADJACENT TO WORKS - EXACT LOCATION TO BE CONFIRMED

Safety, Health and Environment information

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant risks

Code	Icon	Description
CON4	⚠	Soft ground
CON5	⚠	Excavation works stability
CON8	⚠	Lifting operations
CON13	⚠	Public access
CON28	⚠	Working in/near water
CON29	⚠	Drainage outfall
Operations & Maintenance		
O&M5	⚠	Alterations to navigated watercourse
Environment		
ENV8	⚠	Exposing tip waste
ENV9	⚠	Movement of tip waste into dynamic environment

- General Notes**
- All dimensions are shown in millimetres unless otherwise stated and levels are in metres to Ordnance Datum.
 - Do not scale from drawings.
 - For information relating to utilities refer to utility plans and sections.
 - Contains Ordnance Survey data © Crown copyright and database right 2020.
 - Levels and contours shown on drawing are taken from the DTM provided by Future Aerial following their Drone Survey in 2016.
 - See drawing CCD-JBAU-00-31-DR-C-3150 for typical section.
 - Drawings shall be read in conjunction with the project specification.
 - River levels may vary from those shown due to natural fluvial processes.
 - Works and working methods shall conform with all relevant permits and adhere to the pollution prevention guidelines

Legend

Exposed Dycel blocks	Soil fill	Brushwood and stakes
Buried Dycel blocks	Horizontal berm	

UTILITY SERVICES INVESTIGATION GAUGE TO PAS 128

TYPE D	TYPE C	TYPE B	TYPE A
TYPE D: DESK STUDY	TYPE C: DESK STUDY AND SITE RECONNAISSANCE	TYPE B: DESK STUDY WITH SITE RECON AND UTILITY DETECTION SURVEY	TYPE A: DESK STUDY WITH SITE RECON, UTILITY DETECTION SURVEY & TRIAL HOLES
02/04/19			

THE POSITION OF ANY EXISTING PUBLIC OR PRIVATE SEWERS, UTILITY SERVICES, PLANT OR APPARATUS SHOWN ON THIS DRAWING HAS BEEN OBTAINED FROM STATUTORY RECORDS. THE INFORMATION SHOWN IS BELIEVED TO BE CORRECT BUT NO WARRANTY TO THIS IS EXPRESSED OR IMPLIED. OTHER SUCH PLANT OR APPARATUS MAY ALSO BE PRESENT BUT NOT SHOWN. INVESTIGATIONS SHOULD BE UNDERTAKEN ON SITE CONFIRMING LOCATIONS BEFORE BREAKING GROUND.

NOT FOR CONSTRUCTION

Rev.:	Date	Drawn	Designed	Checked	Approved

Client Approval

A - Approved
B - Approved with Revisions
C - Do Not Use

Purpose of Issue: Detailed design - for comment
Status: S3

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CARDIFF COASTAL DEFENCES

EROSION PROTECTION WORKS
LOCATION 31
GENERAL ARRANGEMENT - SHEET 1 OF 1

for

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Scale:	Drawn: K. Jenkins	29/06/21
1:250 @ A1	Designed: J. Villagra Sar	12/07/21
	Checked: D. Potts	14/07/21
	Approved: G. Kenn	15/07/21

Digital File Name: CCD-JBAU-00-31-DR-C-3101
Drawing Number: CCD-JBAU-00-31-DR-C-3101
Revision: P01