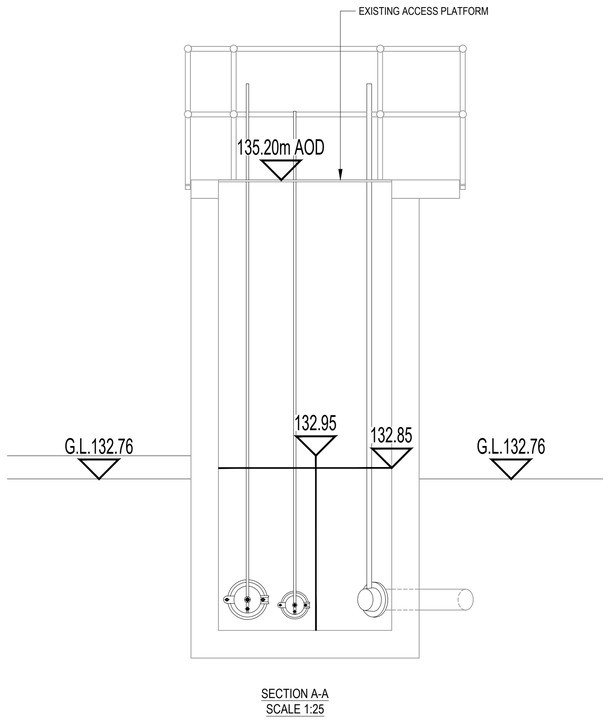
FITTING SCHEDULE

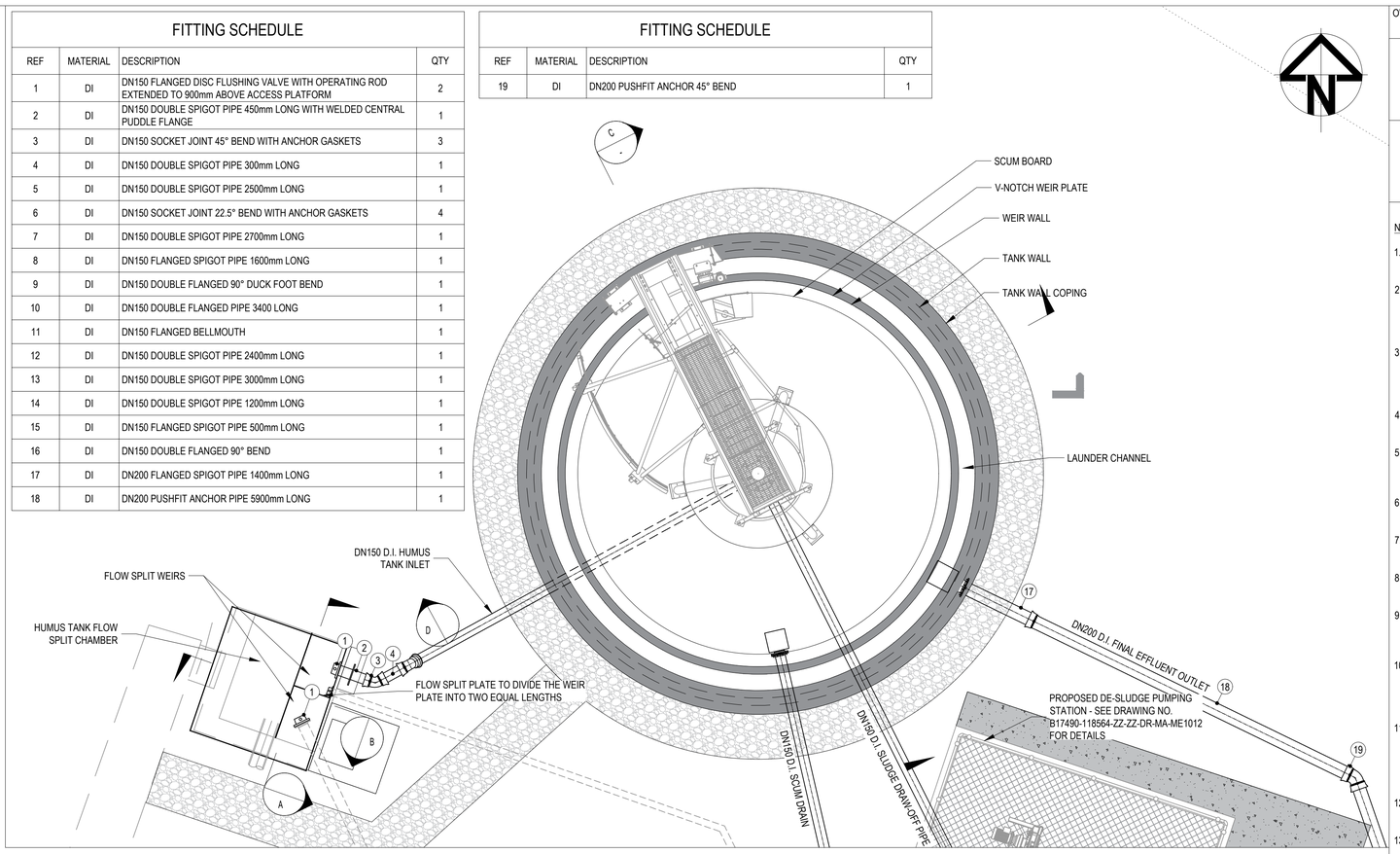
REF	MATERIAL	DESCRIPTION	QTY
1	DI	DN150 FLANGED DISC FLUSHING VALVE WITH OPERATING ROD EXTENDED TO 900mm ABOVE ACCESS PLATFORM	2
2	DI	DN150 DOUBLE SPIGOT PIPE 450mm LONG WITH WELDED CENTRAL PUDDLE FLANGE	1
3	DI	DN150 SOCKET JOINT 45° BEND WITH ANCHOR GASKETS	3
4	DI	DN150 DOUBLE SPIGOT PIPE 300mm LONG	1
5	DI	DN150 DOUBLE SPIGOT PIPE 2500mm LONG	1
6	DI	DN150 SOCKET JOINT 22.5° BEND WITH ANCHOR GASKETS	4
7	DI	DN150 DOUBLE SPIGOT PIPE 2700mm LONG	1
8	DI	DN150 FLANGED SPIGOT PIPE 1600mm LONG	1
9	DI	DN150 DOUBLE FLANGED 90° DUCK FOOT BEND	1
10	DI	DN150 DOUBLE FLANGED PIPE 3400 LONG	1
11	DI	DN150 FLANGED BELLMOUTH	1
12	DI	DN150 DOUBLE SPIGOT PIPE 2400mm LONG	1
13	DI	DN150 DOUBLE SPIGOT PIPE 3000mm LONG	1
14	DI	DN150 DOUBLE SPIGOT PIPE 1200mm LONG	1
15	DI	DN150 FLANGED SPIGOT PIPE 500mm LONG	1
16	DI	DN150 DOUBLE FLANGED 90° BEND	1
17	DI	DN200 FLANGED SPIGOT PIPE 1400mm LONG	1
18	DI	DN200 PUSHFIT ANCHOR PIPE 5900mm LONG	1

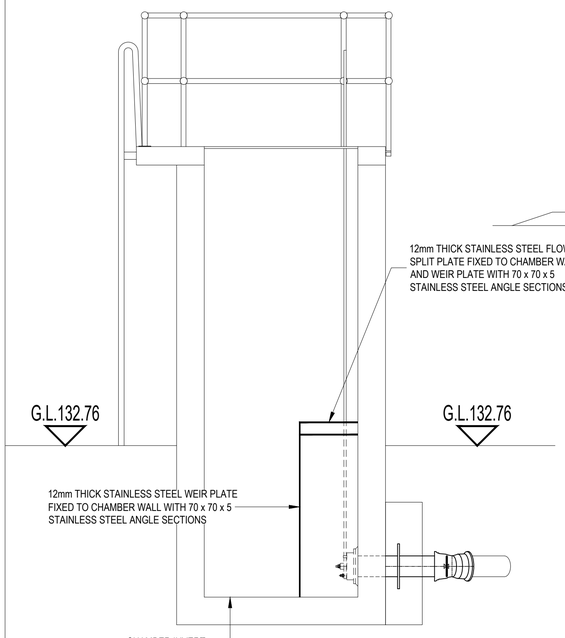
FITTING SCHEDULE

REF	MATERIAL	DESCRIPTION	QTY
19	DI	DN200 PUSHFIT ANCHOR 45° BEND	1

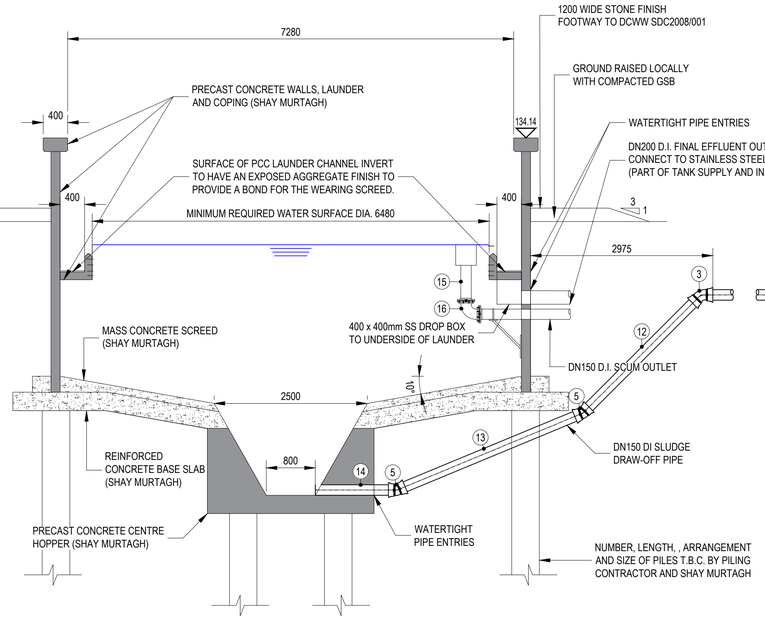


SECTION A-A
SCALE 1:25

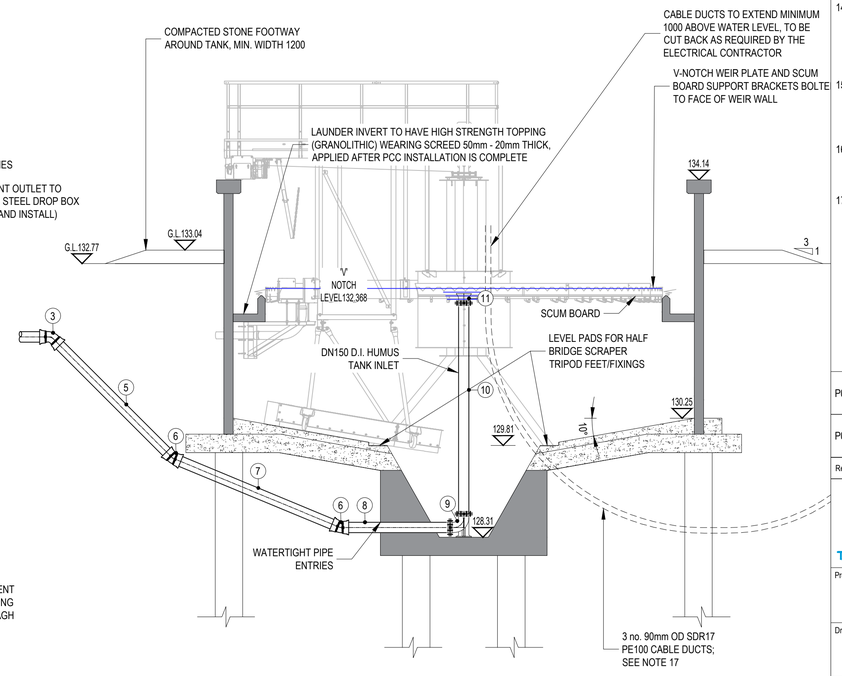




SECTION B-B
SCALE 1:25



SECTION C-C
SCALE 1:50



SECTION D-D
SCALE 1:50

1:25 | 250 | 500 | 750 | 1000 | 1250 | 1500 | 1750 | 2000 | 2250 | 2500

1:50 | 500 | 1000 | 1500 | 2000 | 2500 | 3000 | 3500 | 4000 | 4500 | 5000

OWNER

A1

Waterco Consultants
Eden Court
11 Lon Parcwr. Ruthin LL15 1NJ
Tel: 01824 702220
www.waterco.co.uk

Eric Wright Water
Unit 506 Green Place
Bamber Bridge. Preston PR5 8AY
Tel: 01772 698822
Fax: 01772 628811
www.ericwright.co.uk

NOTES

1. ALL DIMENSIONS IN MILLIMETRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS SHOWN OTHERWISE.
2. DRAWING TO BE READ IN CONJUNCTION WITH SCHEME REGISTER, DOCUMENT REFERENCE B17490-118564-ZZ-ZZ-RB-ZG-DH0001 TO ESTABLISH ALL SUPPORTING INFORMATION.
3. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH CESWI 7 ['CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY (7TH EDITION)'] SUPPLEMENTED BY THE 'DCWW CIVIL ENGINEERING SPECIFICATION CS501A'.
4. THE PRECAST CONCRETE TANK SHALL COMPLY WITH THE REQUIREMENTS OF BS EN 1992-3.
5. THE CONCRETE STRUCTURE SHALL BE DESIGNED FOR SEVERE EXPOSURE CATEGORY, AND ALSO CONTINUOUS CONTACT WITH SEWAGE DOSED WITH FERRIC SULPHATE.
6. THE COMPLETED TANK SHALL BE WATERTIGHT AND MUST PASS A FULL HYDROSTATIC TEST BEFORE IT IS ACCEPTED.
7. CONCRETE TO BE PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS OF BS EN 206:2013, CESWI 7TH EDITION.
8. CONCRETE GRADES PROVIDED IN ACCORDANCE WITH THE RECOMMENDATIONS OF BS 8500-1:2015+A2:2019.
9. THE SITE IS SUBJECT TO FLOODING TO A LEVEL134.14MAOD; THE TANK SHALL BE DESIGNED TO HAVE A FOS OF 1.1 AGAINST FLOTATION WHEN THE SITE IS FLOODED.
10. THE BASE OF THE TANK WILL BE CONTINUOUSLY SWEPT BY SLUDGE SCRAPER BLADES; ANY JOINTS IN THE TANK BASE SHALL BE FLUSH WITH A MAXIMUM ALLOWABLE STEP OF 1mm BETWEEN ADJACENT PANELS.
11. THE SCRAPER BRIDGE DRIVE UNIT WILL RUN ON THE COPING OF THE EXTERNAL WALL OF THE TANK; ANY VERTICAL JOINTS IN THE EXTERNAL WALL SHALL BE FLUSH ACROSS THE COPING, WITH A MAXIMUM ALLOWABLE STEP OF 1mm BETWEEN ADJACENT PANELS.
12. MAXIMUM ALLOWABLE TOLERANCE ON DIMENSIONS AND LEVELS IS +/- 5mm.
13. WEIR PLATES, SCUM BOARDS, SCRAPER BRIDGE TRIPOD AND PIPEWORK TO BE SUPPLIED AND INSTALLED BY OTHERS. PIPE ENTRIES TO BE CAST-IN OVER-SIZED HOLES TO ALLOW FOR 'LINK-SEAL COUPLINGS' TO BE USED WITH PIPES.
14. SURFACE FINISHES TO COMPLY WITH CESWI 7TH EDITION. HORIZONTAL SURFACES OF STRUCTURAL CONCRETE TO HAVE STEEL FLOAT FINISH UNLESS NOTED OTHERWISE. VERTICAL SURFACES TO HAVE FAIR FACED FINISH TO BS 8110 UNLESS NOTED OTHERWISE.
15. CONCRETE CONSTRUCTION (WORKMANSHIP AND EXECUTION) SHOULD BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF BS EN 13670:2009 EXECUTION OF CONCRETE STRUCTURES.
16. TANK STRUCTURE DESIGNED AND PROVIDED BY SHAY MURTAGH, AS SHOWN ON THEIR DRAWING NO. 99.05.24.04.S02.SMPL.GA.1000.P01 (11.06.24).
17. CABLE DUCTS SHALL BE FORMED OF A CONTINUOUS LENGTH OF PE PIPE, WITH NO JOINTS PERMITTED. PE PIPE TO BE LAID TO A CURVE ON SITE AS REQUIRED TO ACHIEVE AN ACCEPTABLE INSTALLATION, MINIMUM BEND RADIUS 25x PIPE OD.

Rev.	Date.	Drawn.	Description.	Rvd.	Chkd.	Appd.	Date.
P02	23/12/24	CJC	FLOW SPLIT CHAMBER DETAILED	DRD	CJ	TM	23/12/24
P01	28/06/24	CJC	FIRST ISSUE	CJC	CJ	TM	28/06/24

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

Project Name.
CORWEN WwTW PHOSPHATE REMOVAL SCHEME

Drawing Title.
PROPOSED HUMUS SETTLEMENT TANK
GENERAL ARRANGEMENT

Suitability.	Suitability Code.
PRELIMINARY	S4

Originator.	Designer.	Date.
CJC	CJ	28/06/2024

Internal Project Number.	Scale.	Rev.
-	1 : 50	P02

Drawing Number.
B17490-118564-ZZ-ZZ-DR-CA-CI2103