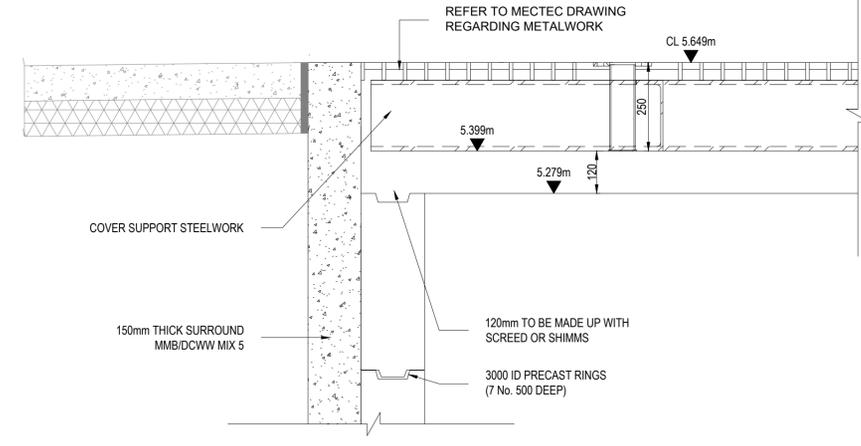
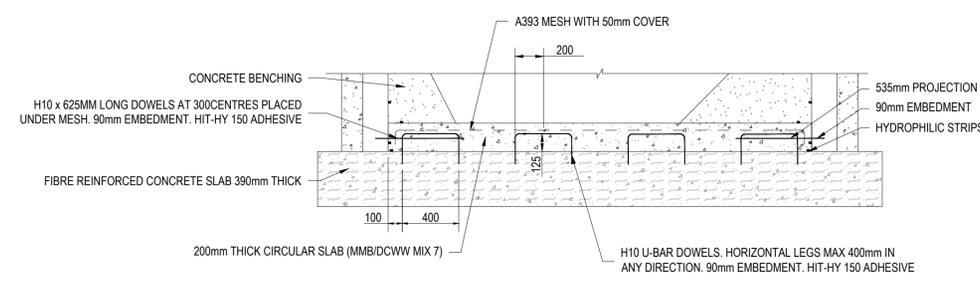


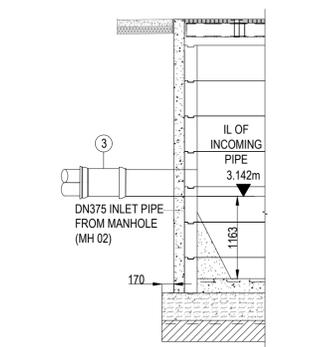
**SECTION A-A**  
SCALE 1:25



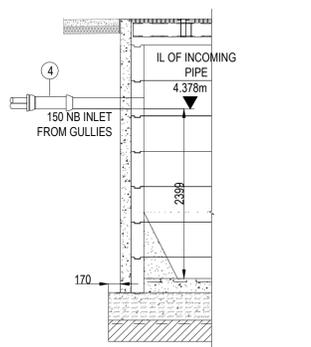
**REBATE DETAIL**  
SCALE 1:10



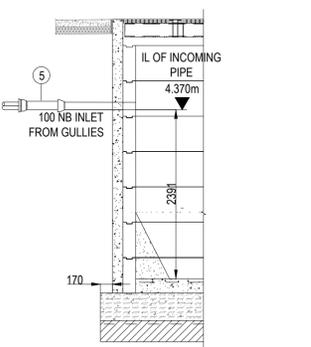
**REINFORCEMENT DETAIL**  
SCALE 1:25



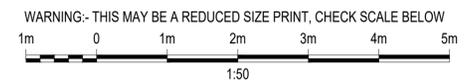
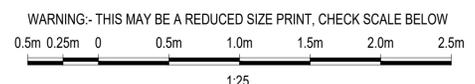
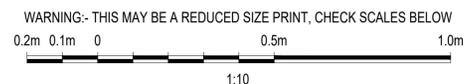
**SECTION B-B INLET PIPEWORK**  
SCALE 1:50



**SECTION C-C INLET PIPEWORK**  
SCALE 1:50



**SECTION D-D INLET PIPEWORK**  
SCALE 1:50



- NO DIMENSIONS TO BE SCALED FROM THIS DRAWING.
- ALL DIMENSIONS ARE SHOWN IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
- ALL LEVELS ARE SHOWN IN METRES ABOVE ORDNANCE DATUM (mAOD) UNLESS NOTED OTHERWISE.
- ALL CIVIL WORK CARRIED OUT IN ACCORDANCE WITH CESWI (7TH EDITION), SUPPLEMENTED BY THE DCWW CIVIL ENGINEERING SPECIFICATION CS501A - VERSION 2 UNLESS STATED OTHERWISE.
- CONCRETE IN COMPLIANCE WITH THE MMB/DCWW STANDARD CONCRETE SPECIFICATION.
- ALL EXPOSED CONCRETE CORNERS HAVE 25mm 45° CHAMFERS.
- PENETRATION LOCATIONS ALONG THE PRECAST RINGS MADE WATERTIGHT WITH SIKA 4A POST INSTALLATION. OPEN MESH FLOORING HAS SUITABLE HINGED OPENINGS AND SAFETY GUARDS FOR PUMP REMOVAL AND INSTRUMENTATION MAINTENANCE.
- FIBRE REINFORCED CONCRETE IN COMPLIANCE WITH THE MMB/DCWW STANDARD SPECIFICATION.

**REFERENCE DRAWINGS:**

B14411-123532-XX-DR-CA-CI9000 - SECONDARY CONTAINMENT - GENERAL ARRANGEMENT  
 B16383-123532-XX-ZZ-DR-CC-CI0032 - SITE DRAINAGE PLAN  
 3491-S-213-MMB-00-XX-DR-CX-05072 - SITE RETURNS PUMPING STATION GENERAL ARRANGEMENT  
 3491-S-213-MMB-00-XX-DR-CX-05073 - SITE RETURNS PUMPING SECTIONS/PIPEWORK  
 B16383-123532-ZZ-BG-DR-CA-CI0028 - MANHOLE SCHEDULE  
 B16383-123532-09-BG-DR-CA-CI0050 - SITE RETURNS PUMPING STATION GENERAL ARRANGEMENT  
 B16383-123532-09-BG-DR-ZA-PR0049 - SITE RETURNS PUMPING STATION P&ID

**PEXA DRAWINGS:**

PB1056531 - QUEENSFERRY ANAEROBIC DIGESTER ATEX (PEXA) ZONE CLASSIFICATION  
 SV19-INC-000030 - PEXA QUEENSFERRY WWTW  
 B16383-123532-ZZ-ZR-OB-HD0099 - PEXA DRAWING

**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. RISK OF ELECTROCUTION: BURIED & ABOVE GROUND SERVICES
- 2. RISKS ASSOCIATED WITH VEHICLE TRAFFIC
- 3. PEXA ZONE

**MAINTENANCE / CLEANING / OPERATION**

**DECOMMISSIONING / DEMOLITION**

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

SITE RETURNS PUMPING STATION PIPE SCHEDULE					
UNIT	MATERIAL	SIZE NB	DESCRIPTION	LENGTH mm	QTY
01	STAINLESS STEEL	DN150	LONG FLANGE/SPIGOT PIPE	1970	2
02	STAINLESS STEEL	DN150	90° SHORT RADIUS BEND	N/A	2
03	TWINWALL	DN375	SOCKET TO OPEN END CONNECTION	600	1
04	uPVC	DN150	SOCKET TO OPEN END CONNECTION	600	1
05	uPVC	DN100	SOCKET TO OPEN END CONNECTION	600	1

Z01	18.10.22	GS	AS-BUILT	VC	RG	19.10.22
C01	01.09.22	SP	FOR CONSTRUCTION	JJRB	RG	16.05.22



Project Name: QUEENSFERRY WWTW - IED			
Drawing Title: SITE RETURNS PUMPING STATION SECTIONS/PIPEWORK			
Suitability: AS-BUILT		Suitability Code: AB	
Originator: AA	Designer: SM	Date: 14.04.22	
Internal Project Number: SV19	Scale: As indicated @ A1	Rev: Z01	
Drawing Number: B16383-123532-09-BG-DR-CA-CI0051			

Dwr Cymru Cŷ gives this information as to the position of its underground apparatus by way of general guidance only on the strict understanding that it is based on the best information available and no warranty as to its correctness is relied upon in the event of excavations or other works made in the vicinity of the company's apparatus and any one of locating the apparatus before carrying out any excavations rests entirely on you. It must be understood that the furnishing of the information is entirely without prejudice to the provision of the New Roads and Streetworks Act 1991 and of the Company's right to be compensated for any damage to its apparatus.

Dwr Cymru Cŷ has no duty to identify private apparatus and the information as to the position of the private apparatus is given by way of general guidance only on the strict understanding that it is based on the best information available and no warranty as to its correctness is relied upon. Not all private apparatus is identified but their presence should be anticipated.