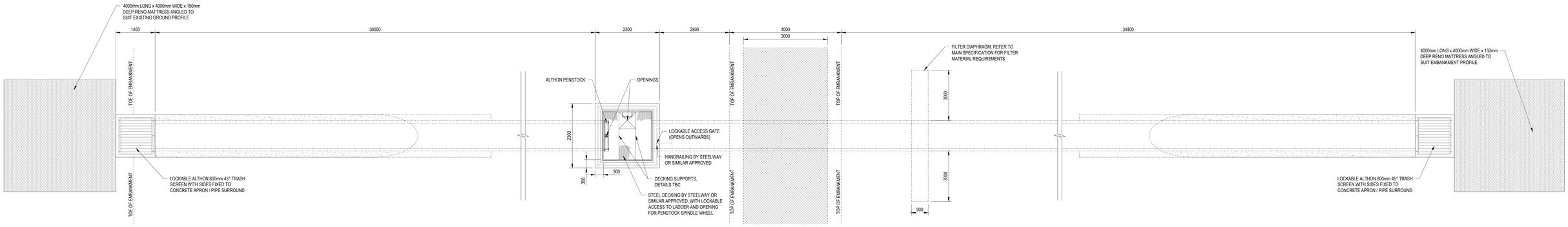
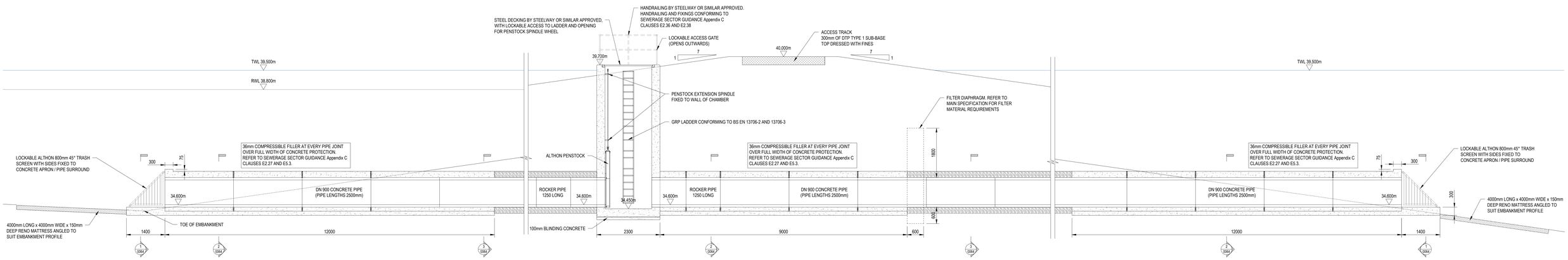


PLAN OF PENSTOCK CHAMBER AND ACCESS TRACK BUND.
SCALE 1:50



CROSS SECTION THROUGH PENSTOCK CHAMBER AND ACCESS TRACK BUND.
SCALE 1:50

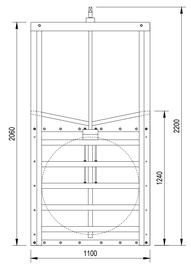
0 500 1000 1500 2000 2500mm
SCALE 1:50 AT ORIGINAL SIZE

ALTHON PRA-G 900 HDPE/SS PENSTOCK SPECIFICATION INFORMATION

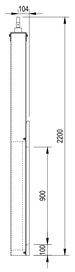
- THE PENSTOCK HAS A NON-RISING SPINDLE AS STANDARD
- WITH AN OLG SPINDLE BEARING AND AN HDPE BACK PLATE
- WITH AN HDPE MOVING PLATE PROVIDED WITH RVS316L STIFFENERS WITH POM SPINDLE BLOCK
- THE MOUNTING MATERIAL AND THE SPINDLE ARE MADE OF SS316
- THE SEAL BETWEEN THE MOVING AND BACK PLATE CONSISTS OF AN INTEGRAL EPDM LIP SEAL, WHICH DOES NOT REQUIRE ANY ADJUSTMENT AFTER INSTALLATION

MATERIAL: HDPE, SS316, EPDM AND POM
MAX. LOAD (ON/OFF SEATING): 5 MWC FROM BOTTOM INVERT LEVEL (B.I.L)
NUMBER OF CHEMICAL ANCHORS: M8 10PCS
NUMBER OF COUNTERSUNK HEAD SCREWS: M10 12PCS
BARE SHAFT: Ø20mm
CONICAL SQUARE SOCKET REMOVED WHEN USING SPINDLE EXTENSION

PLAN.

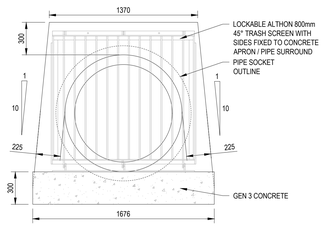


ELEVATION.

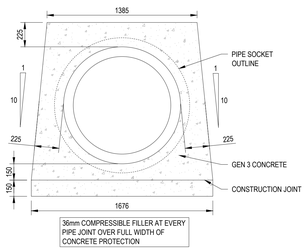


SECTION.

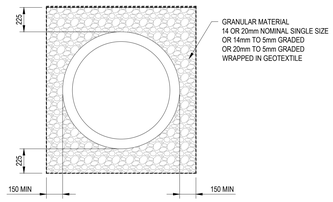
ALTHON 900mm HDPE PENSTOCK.
SCALE 1:20



SECTION 1 - TRASH SCREEN APRON.
SCALE 1:20



SECTION 2 - CONCRETE PROTECTION TO PIPE.
SCALE 1:20



SECTION 3 - CLASS S BEDDING DETAIL FOR 900mm DIA PIPE.
SCALE 1:20

0 200 400 600 800 1000mm
SCALE 1:20 AT ORIGINAL SIZE

Rev	Description	Checked	Approved	Date
P08	DRAWING NUMBER AND EMBANKMENT SLOPE UPDATED	LJG	TG	15.02.24
P07	REVIEW 414 COMMENTS	LJG	JR	01.02.24

Author PAR Drafting Check LJG
Designer PAR / LJG Design Check LJG

NOTES
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE (UNO).
2. ALL LEVELS ARE IN METRES TO ORDNANCE DATUM UNO.
3. ALL CO-ORDINATES ARE RELATIVE TO OS NATIONAL GRID.

Telephone: Havant (023) 9249 9888
Fax: Havant (023) 9245 3632
Website: www.portsmouthwater.co.uk
Registered Office: PO Box 8 West Street
Havant Hampshire PO9 1LG
REGISTERED IN ENGLAND No. 2536455

Portsmouth Water

Future Water MJJV Ltd

GHD

Project No. 12547181

Client PORTSMOUTH WATER
Project HAVANT THICKET RESERVOIR
Status FOR APPROVAL
Status Code S4

Drawing Title WETLANDS RETAINING STRUCTURE ACTIVE WATER CONTROL PENSTOCK CHAMBER DETAILS COMPARTMENT 2

Size A0
Drawing No. HTR-GHD-WL-ZZ-DR-S-0064
Rev P08