

EMPLOYER:
 CHIEF EXECUTIVE OFFICER
 TANA WATER WORKS
 DEVELOPMENT AGENCY
 P.O.BOX 1292-00100 NYERI.

DESCRIPTION	REVISIONS	DATE

CONSULTANT:

HIGH SPACE LTD
 WATER AND SANITATION DIVISION, KIKUYU.
 P.O. BOX 20359 - 00200, NAIROBI KENYA
 CELL: +82 54 41 80
 EMAIL:highspace2010@gmail.com

SCALES:

AS SHOWN

PROJECT

CONSULTANCY SERVICES FOR DESIGN OF KAMBURU
 FLOATING INTAKE
 MBEERE SOUTH WATER PROJECT.
CONTRACT NO.000039/T/S/2020-2021

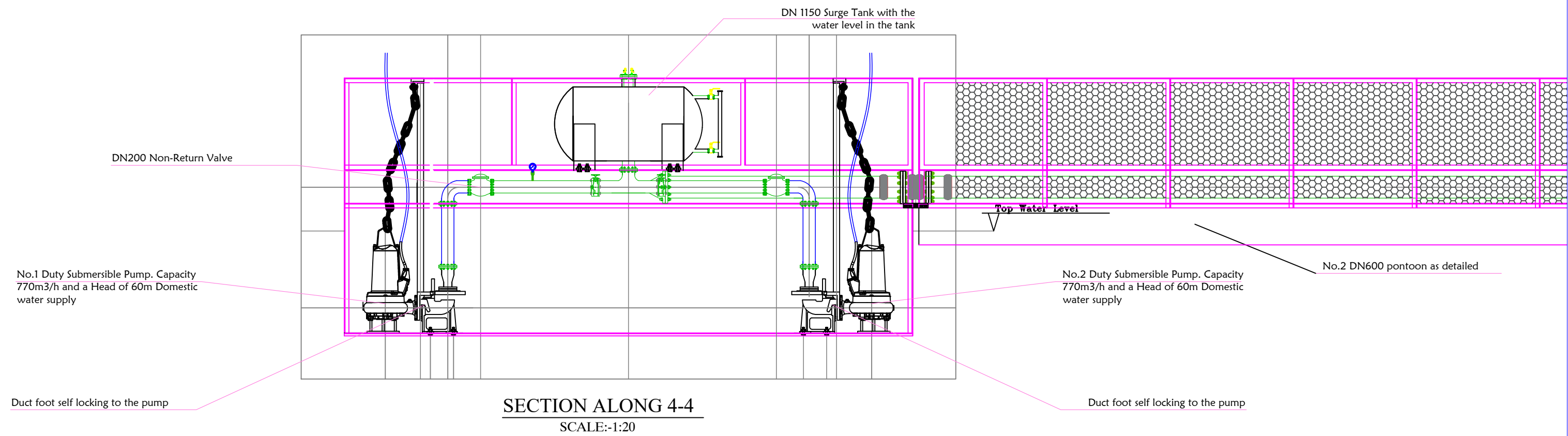
TITLE:

SECTION ALONG
 THE INATKE AND
 RAW WATER MAINS

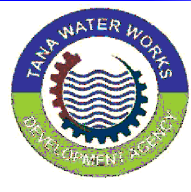
DATE: FEBRUARY 2024

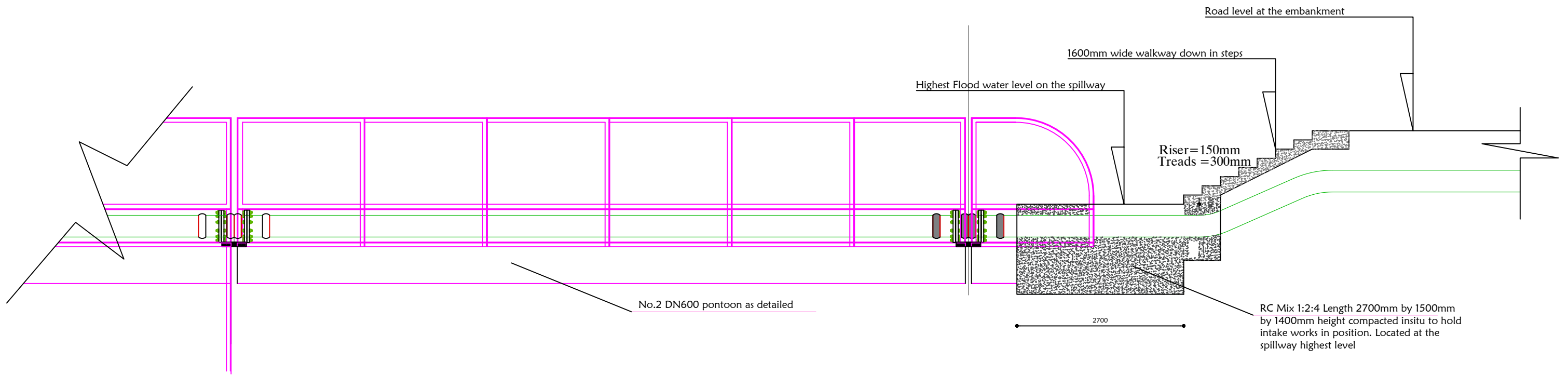
DRAWING NO: TW/WDA /GA/001

SHEET NO: 01 OF




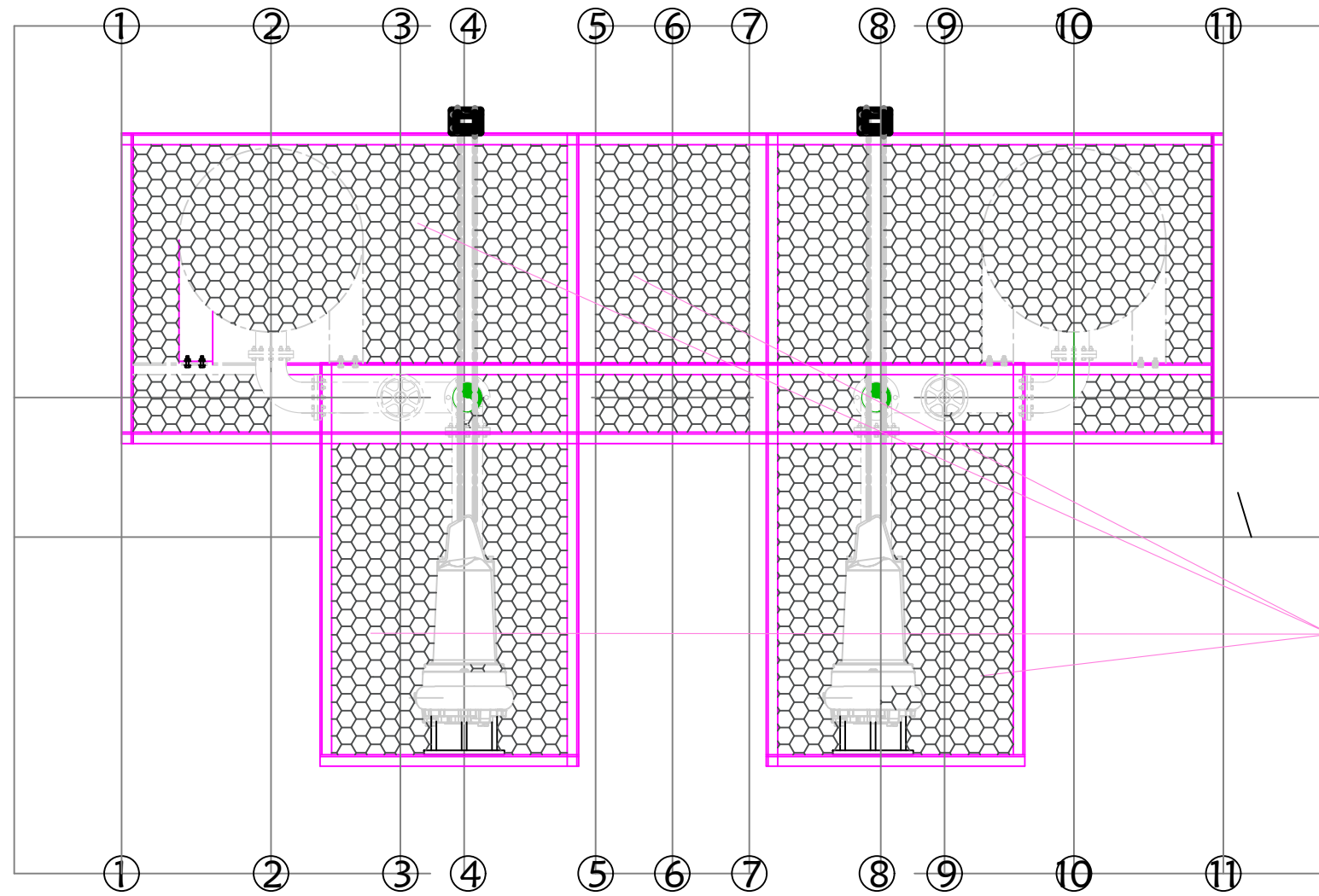
SECTION ALONG 4-4
SCALE:-1:20

 <p>EMPLOYER: CHIEF EXECUTIVE OFFICER TANA WATER WORKS DEVELOPMENT AGENCY P.O.BOX 1292-00100 NYERI.</p>	DESCRIPTION	REVISIONS	DATE	<p>CONSULTANT:</p> <p>HIGH SPACE LTD WATER AND SANITATION DIVISION, KIKUYU. P.O. BOX 20359 - 00200, NAIROBI KENYA CELL: +82 54 41 80 EMAIL:highspace2010@gmail.com</p>	<p>SCALES:</p> <p>AS SHOWN</p>	<p>PROJECT CONSULTANCY SERVICES FOR DESIGN OF KAMBURU FLOATING INTAKE MBEERE SOUTH WATER PROJECT. CONTRACT NO.000039/T/S/2020-2021</p>	<p>TITLE: INATKE PUMPS DETAIL AND WALK WAY</p>	DATE: FEBRUARY 2024
								DRAWING NO: TW/WDA /GA/001
								SHEET NO: 02 OF



END OF WALK WAY DETAILS
SCALE:-1:20

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								DRAWING NO: TW/WDA /GA/001
								SHEET NO: 03 OF



EXPANDED METAL LAYOUT

SCALE:-1:20



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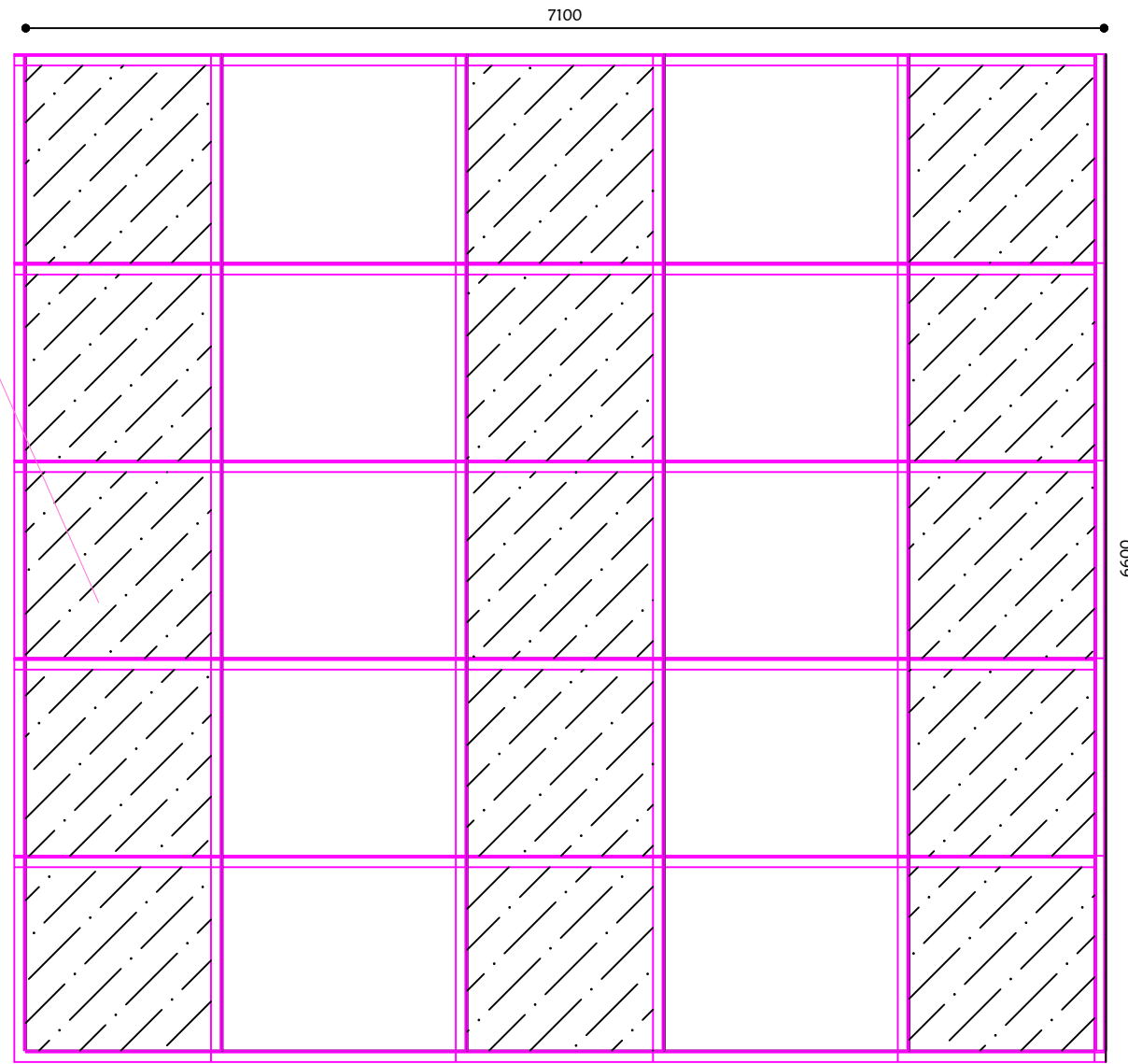
TITLE: PUMP DETAILS FIXING

DATE: FEBRUARY 2024

DRAWING NO: TW/WDA /GA/001

SHEET NO: 04 OF

DN 1200 Pipe blanked on both side and be water tight fixed on the metal frame to provide the floating intake in place



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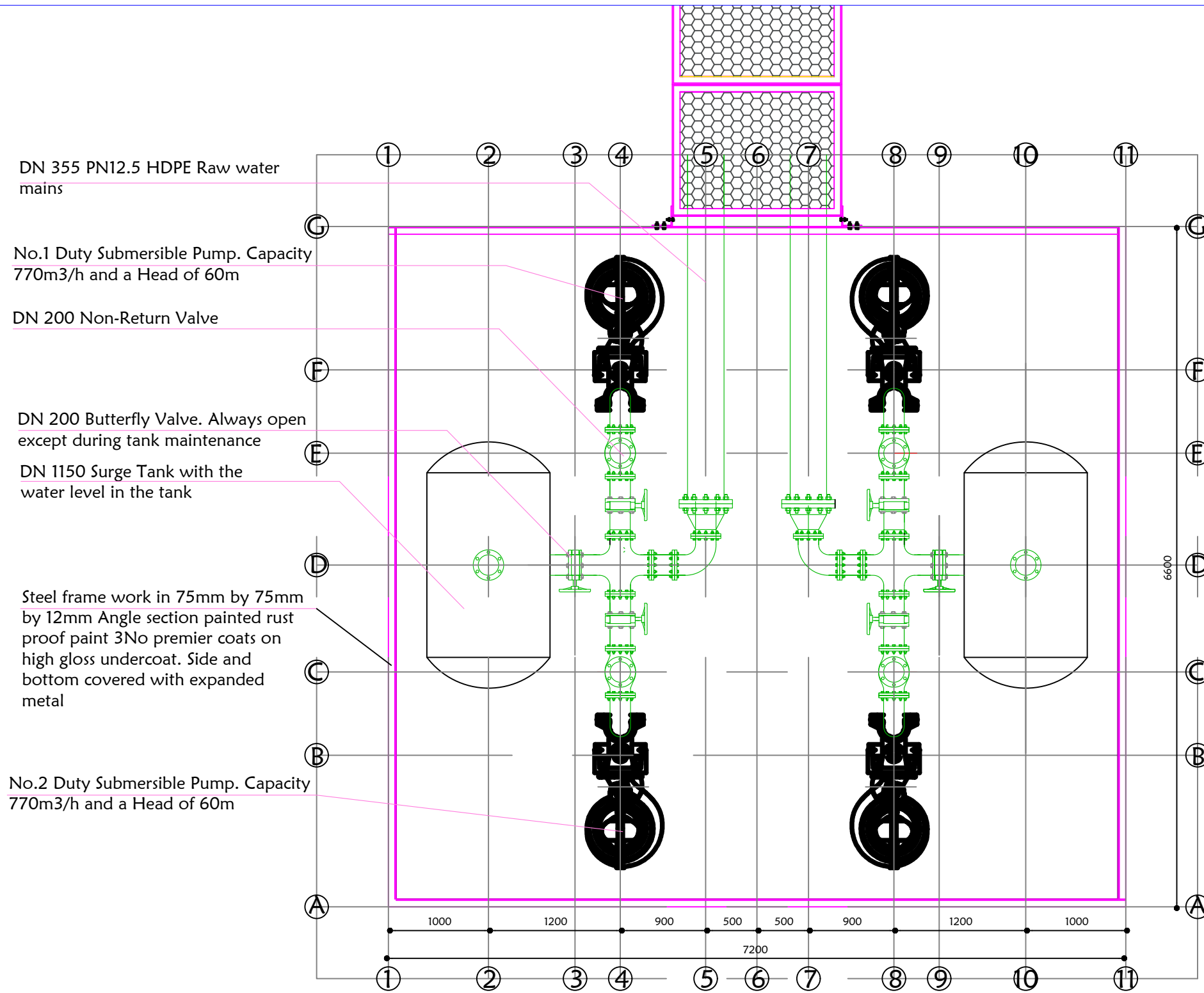
TITLE:

PONTOONS

DATE: FEBRUARY 2024

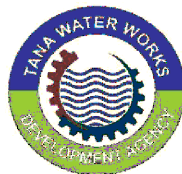
DRAWING NO: TW/WDA /GA/001

SHEET NO: 05 OF



LAYOUT PLAN OF INTAKE WORKS

SCALE:-1:20



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TITLE:

INTAKE LAYOUT PLAN

DATE: FEBRUARY 2024

DRAWING NO: TW/WDA /GA/001

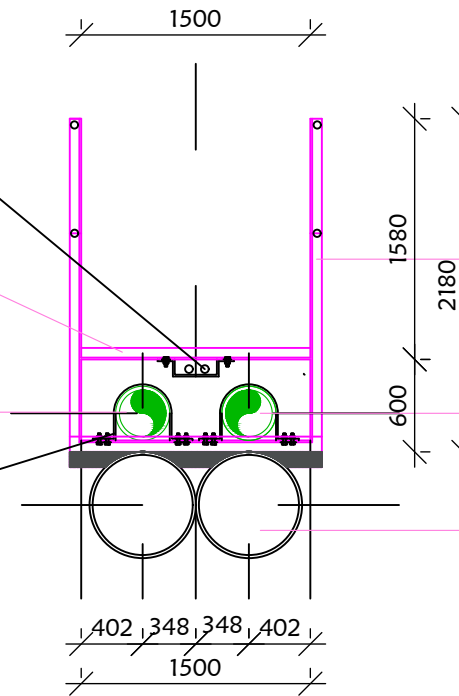
SHEET NO: 06 OF

Grid power and AC Solar Power cable control panel for pump from the inverter and solar system

Removable walk way cover in sections of 1200mm long sections along the walkway. The walk way cover frame covered with expanded metal

DN 355 PN12.5 HDPE Raising mains for Irrigation water to automatic filter and water treatment plant

12mm metal slip to hold pipe in position



Guard rail 75by75by12mm angle section for the walk way

DN355 PN12.5 hdpe Raising mains for domestic water to automatic filter and water treatment plant

2no. DN600 pipes (Pontoon) with welded HDPE end cap which is water tight

Section through walk way, the walk way pontoon raft and raw pipelines

SCALE:-1:20

Note:

1. The walk way is fixed with expanded metal on all sides to prevent crocodile and other reptiles attack on staff. The expanded metal is painted with rust proof paint.
2. The raw water main protected expanded metal from bottom, both sides. the walking section has remoble cover with expanded metal to allow for repair and other maintenance.



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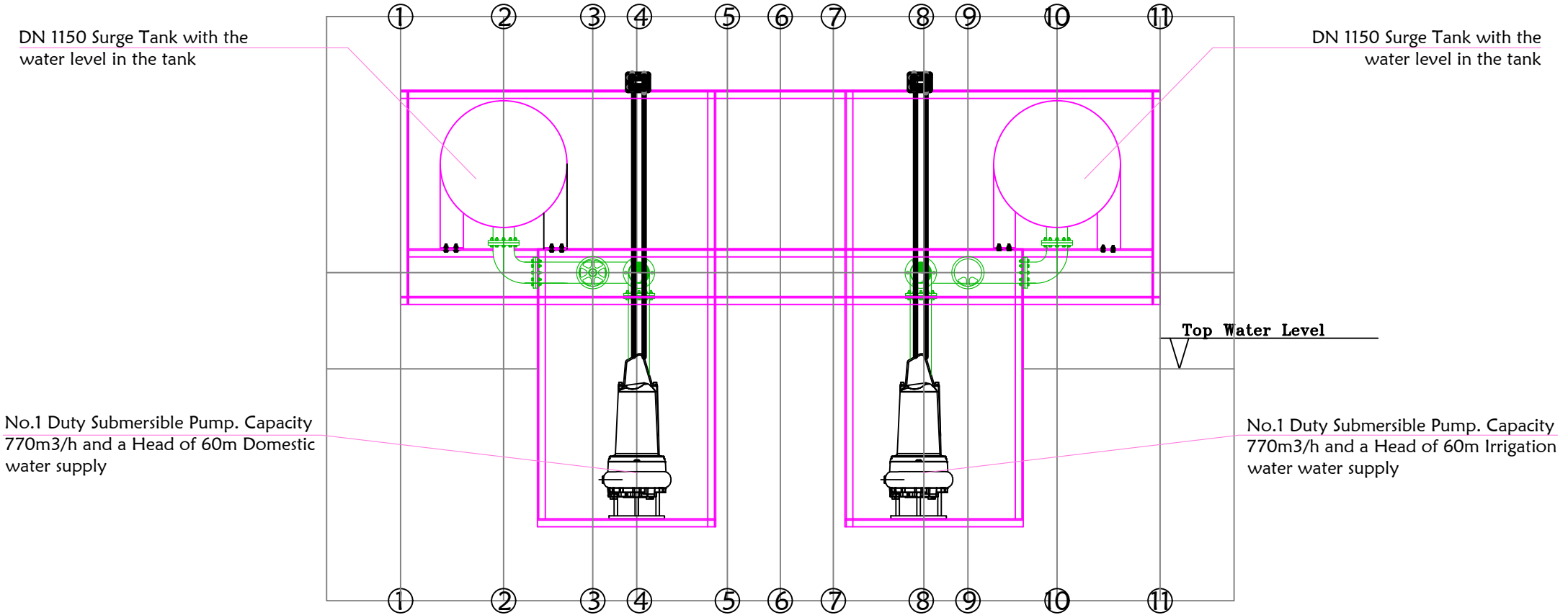
TITLE:

WALK WAY CROSS
SECTION

DATE: FEBRUARY 2024

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SHEET NO: 07 OF



SECTION ALONG B-B
SCALE:-1:20



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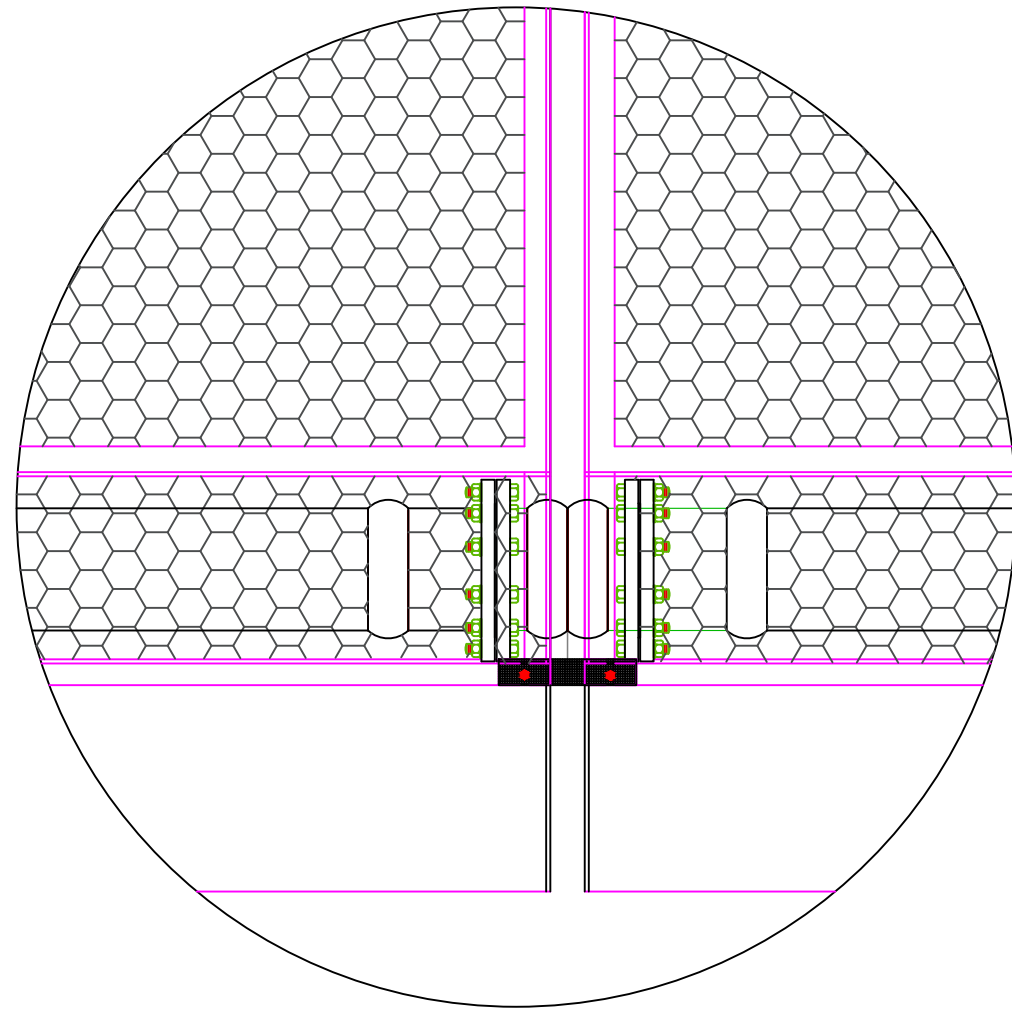
HIGH SPACE LTD
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CONTRACT NO.

TITLE:
PUMPS

DATE: FEBRUARY 2024
DRAWING NO: TW/WDA /GA/001
SHEET NO: 08 OF



ROTATING JOINT AT THE FLEXIBLE JOINT

SCALE:-1:20



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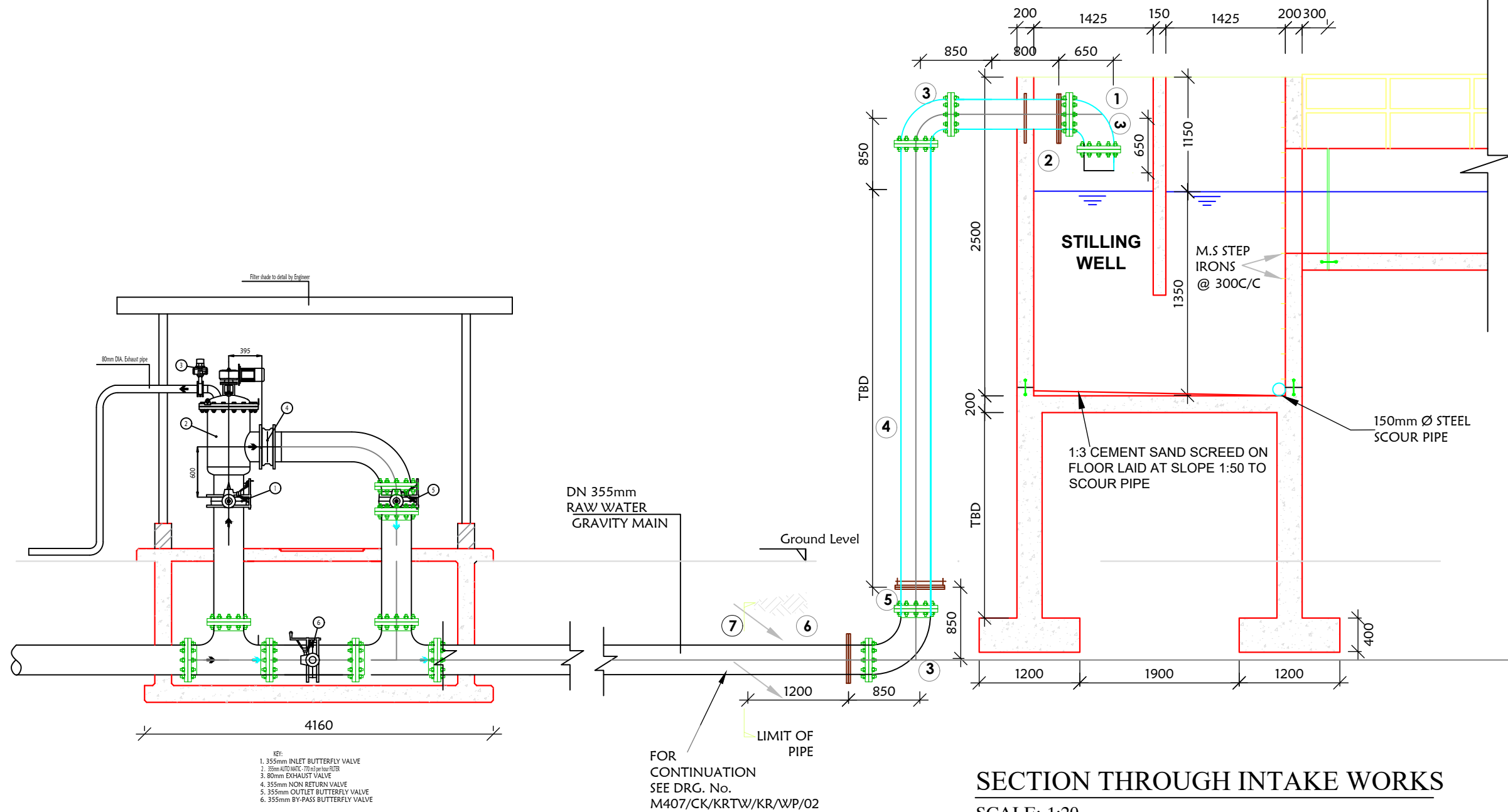
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WAKK WAY JOINT
JOINT

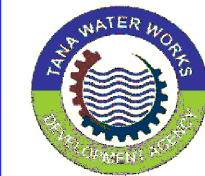
DATE: FEBRUARY 2024

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AUTOMATIC FILTER INSTALLATION
SCALE:-1:20



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TITLE:

AUTOMATIC FILTER

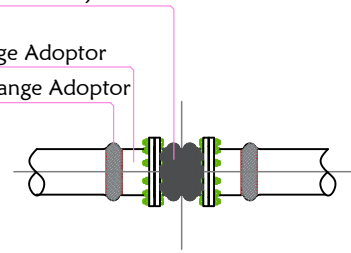
DATE: FEBRUARY 2024

DRAWING NO: TW/WDA /GA/001

SHEET NO: 10 OF

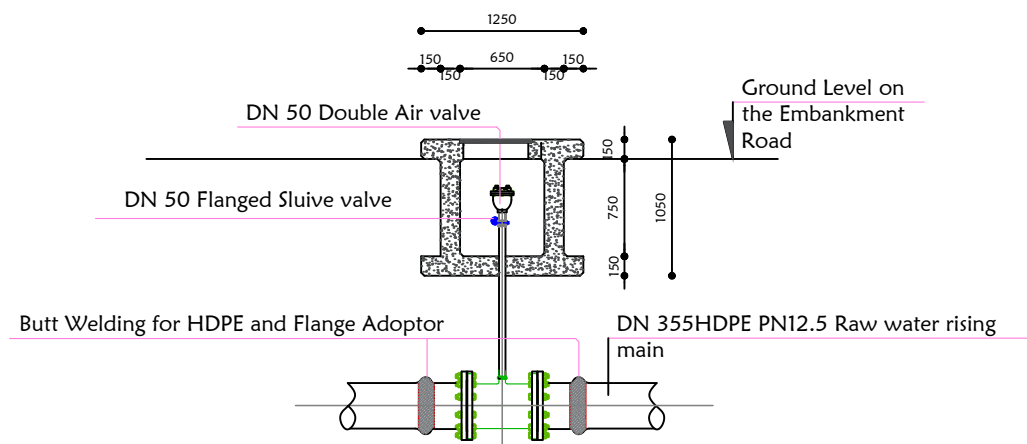
DN 355 PN12.5 HDPE Flexible Rubber joint

DN 355 PN12.5 HDPE Flange Adaptor
Butt Welding for HDPE and Flange Adaptor



RISING MAIN FLEXIBLE JOINT DETAILS

SCALE:-1:20



AIR VALVE ON THE RISING MAIN

SCALE:-1:20



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CONTRACT NO.

TITLE:

AIR VALE AND FLEXIBLE
JOINT

DATE: FEBRUARY 2024

DRAWING NO: TW/WDA /GA/001

SHEET NO: 11 OF