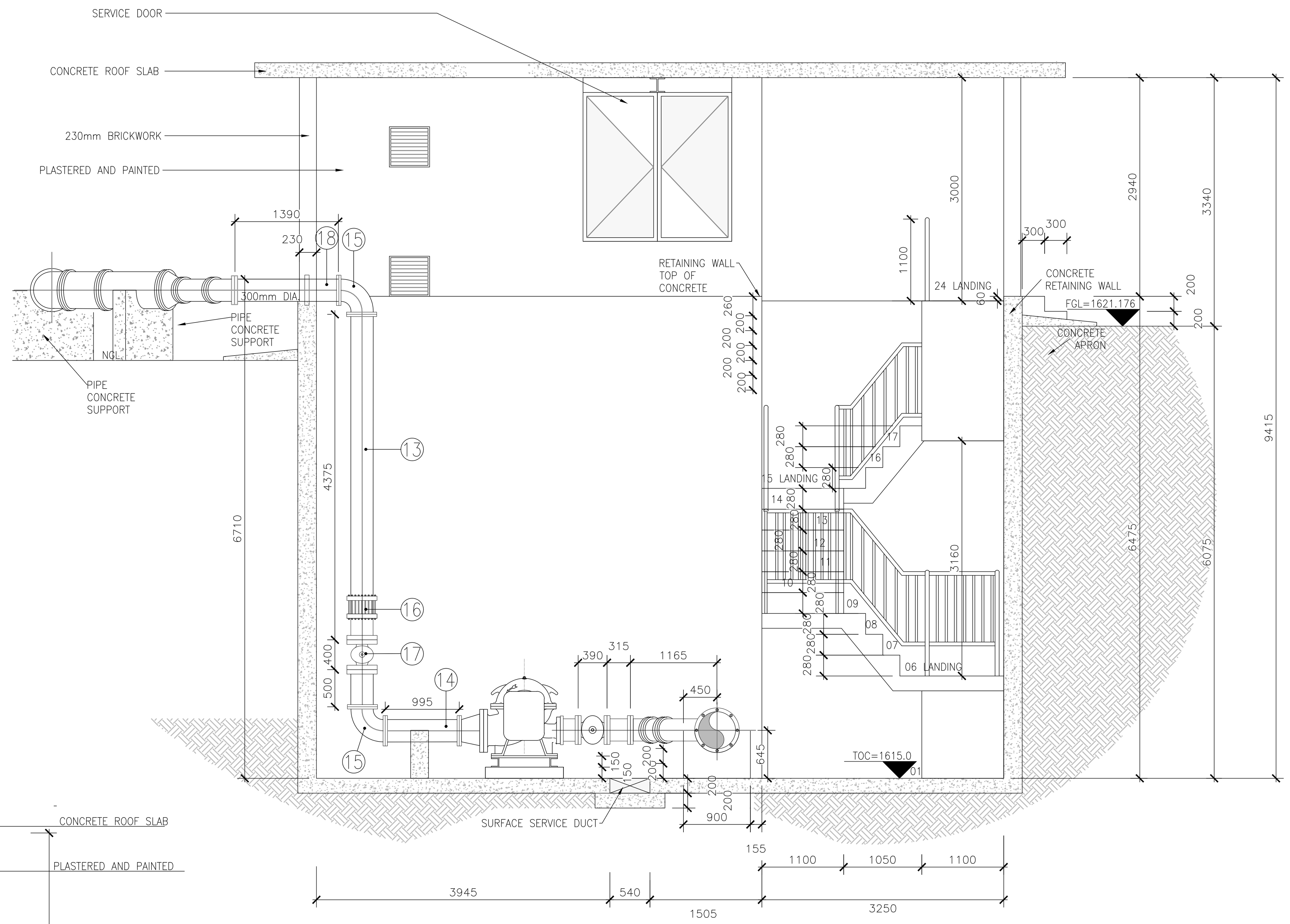
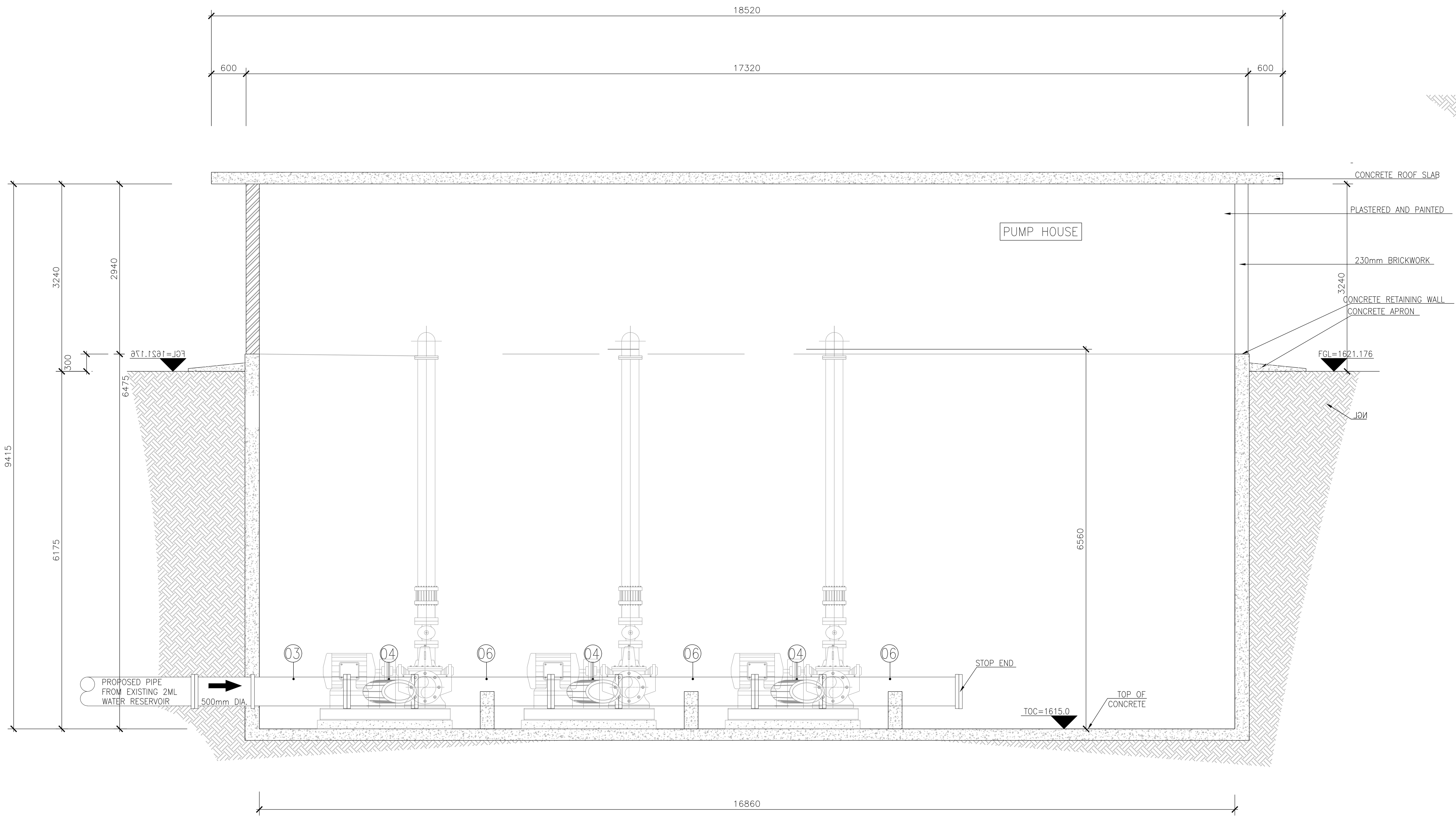


SECTION C–C

SCALE 1: 50



SECTION B–B

SCALE 1: 50

ISSUED FOR TENDER

Engineer:

KEON CONSULTING ENGINEERS

TECHNO DESIGNS

Civil Structural & Transport Engineers

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JOHANNESBURG WATER
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THESE NOTES SERVE AS AN ADDENDUM TO THE SPECIFICATION IN THE BILL OF QUANTITIES (BOQ). IN THOSE CASES WHERE THE BOQ SPECIFICATIONS DIFFER FROM THESE NOTES, THESE NOTES SHALL TAKE PREFERENCE

ON ORIGINAL

0 5 10 15 20 25 30 40 50MM

Engineer:

T. CHONGO Pr Eng (201400010)

Drawn By:	Designed By:	Checked By:
T. POOPEDI	T. CHONGO	T. CHONGO
Signture:	Signture:	Signture:
Date: AUGUST 2023	Date: AUGUST 2023	Date: AUGUST 2023

GENERAL NOTES:

ALL LEVELS TO BE CONFIRMED ON SITE.

1.1 THIS DRAWING MUST BE READ IN CONJUNCTION WITH RELEVANT ENGINEERING DRAWINGS.
1.2 DO NOT STALE THIS DRAWING, USE ONLY CALCULATED AND WRITTEN DIMENSIONS.
1.3 ALL EXCAVATIONS SHOULD BE INSPECTED AND APPROVED BY THE ENGINEER ON SITE.
1.4 ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.
1.5 ALL PIPE ITEMS ENCASED IN THE CHAMBER SHALL BE FILLED WITH ANCHOR FLANGES PLAIN ENDED FLANGES WILL ONLY BE USED OUTSIDE THE CHAMBER.
1.6 ALL STEEL PIPES WILL BE MEDIUM CLASS WITH WALL THICKNESS OF 4.3mm FOR 165mm AND 150mm PIPES.
1.7 LOOSE FLANGES WILL BE CUT AND WELDED ON SITE.
1.8 ALL COATING AND LINING TO BE REPAIRED ACCORDING TO SPECIFICATION.
1.9 POSITION OF CHAMBERS MUST BE DECIDED ON SITE ACCORDING TO THE TERRAIN.

ABBREVIATIONS:

NGL - NATURAL GROUND LEVEL
PIL - PIPE INVERT LEVEL
RP - REDUCED LEVEL

NOTE 2:

2.1 ALL DRILLED FLANGES TO SANS 1123 TYPE 3. FOR CLASSIFICATION REFER TO THE RELEVANT DRAWING.

2.2 PUDDLE FLANGES: SAME TYPE AND OD AS DRILLED FLANGES, FLAT FACED, NO DRILLING.

2.3 ANCHOR / TRUST FLANGES: SAME OD & " AS DRILLED FLANGES FLAT FACED.

2.4 COUPLINGS BERRIED IN SOIL TO BE PROTECTED IN ACCORDANCE WITH WS 9900, SECTION 13 (COATING SYSTEM PLUS PETROLATUM WRAPPING.

3. CORROSION PROTECTION
3.1 LINING: STEEL PIPES WILL BE PROTECTED INTERNALLY BY SOLVENT BORNE LIQUID EPOXY LINING WITH A MINIMUM THICKNESS OF 500 MICRONS.

3.2 COATING: EXTERNAL CORROSION PROTECTION WILL CONSIST OF A SINTAKOT 11 FUSION BONDED POLYETHYLENE COATING FOR PIPES INSTALLED UNDERGROUND. PIPES INSTALLED IN CHAMBER, RESERVOIR AND IN PUMP STATION WILL HAVE A SOLVENT FREE EPOXY COATING WITH MINIMUM THICKNESS OF 500 MICRONS.

3.3 FLANGES FACES: ALL FLANGES UNDERGROUND TO BE WRAPPED WITH DENSO-TAPE.

Refer To Drawing No:

Key Plan:

No	Date	Details	Chd	Appd

Revisions

Project: JW14406 LINBRO PUMP STATION

Description: PUMP STATION OUTLET PIPELINE SECTION B-B & C-C

Issued For: TENDER

Size:	Scale:	Sheet No:	Original Date:
A1	As Shown	4 OF 12	AUGUST 2023

Project No:	Drawing No:	Revision:
C01486	PS03	T0