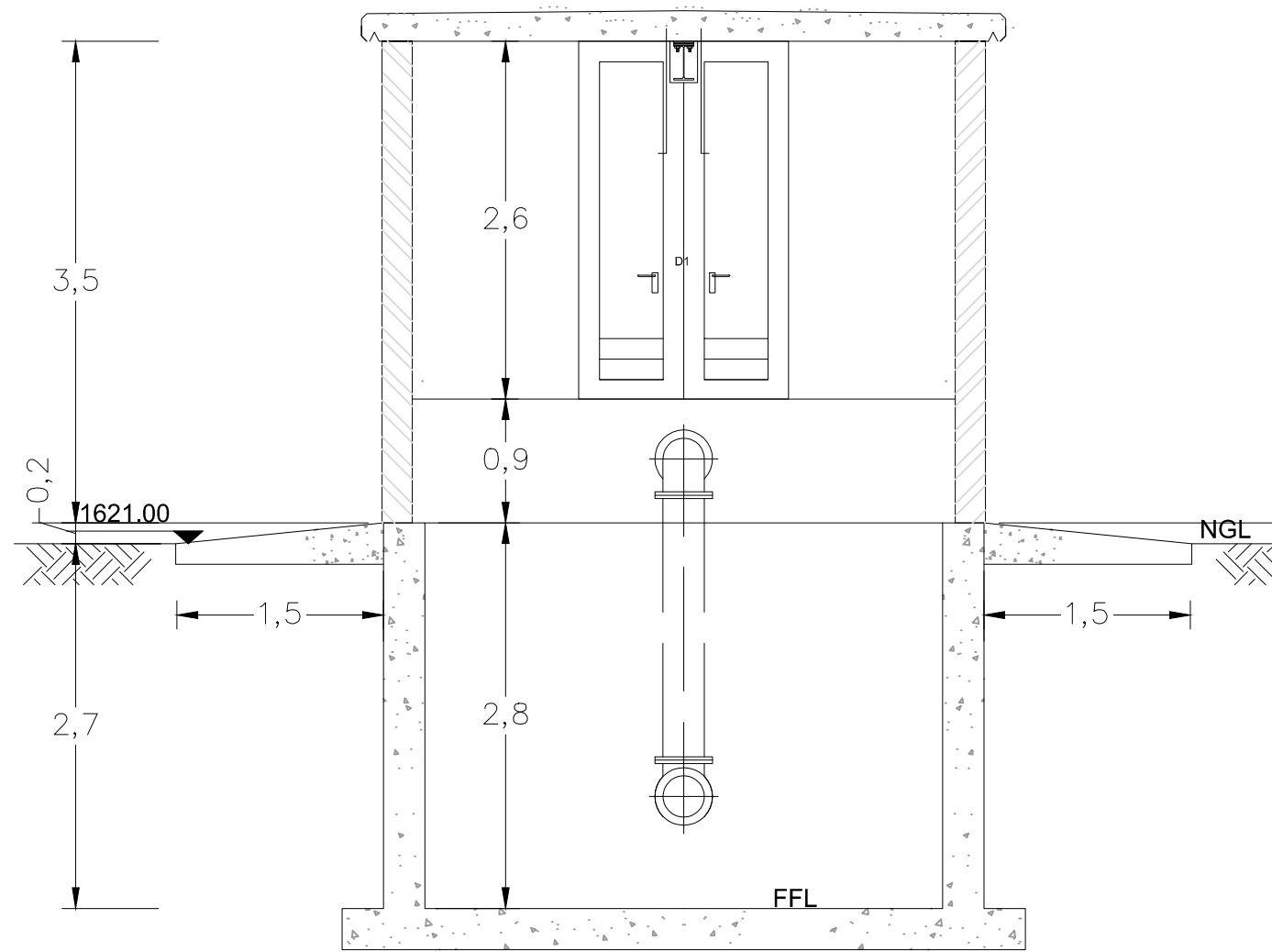
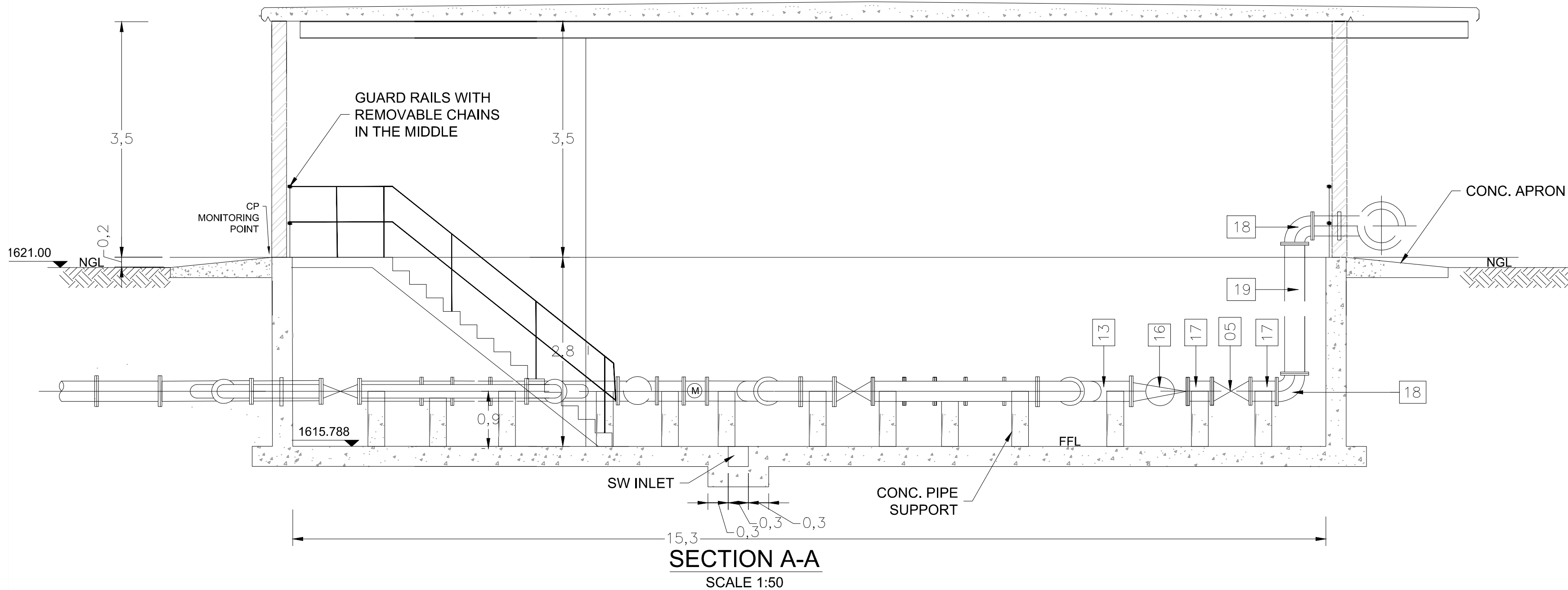
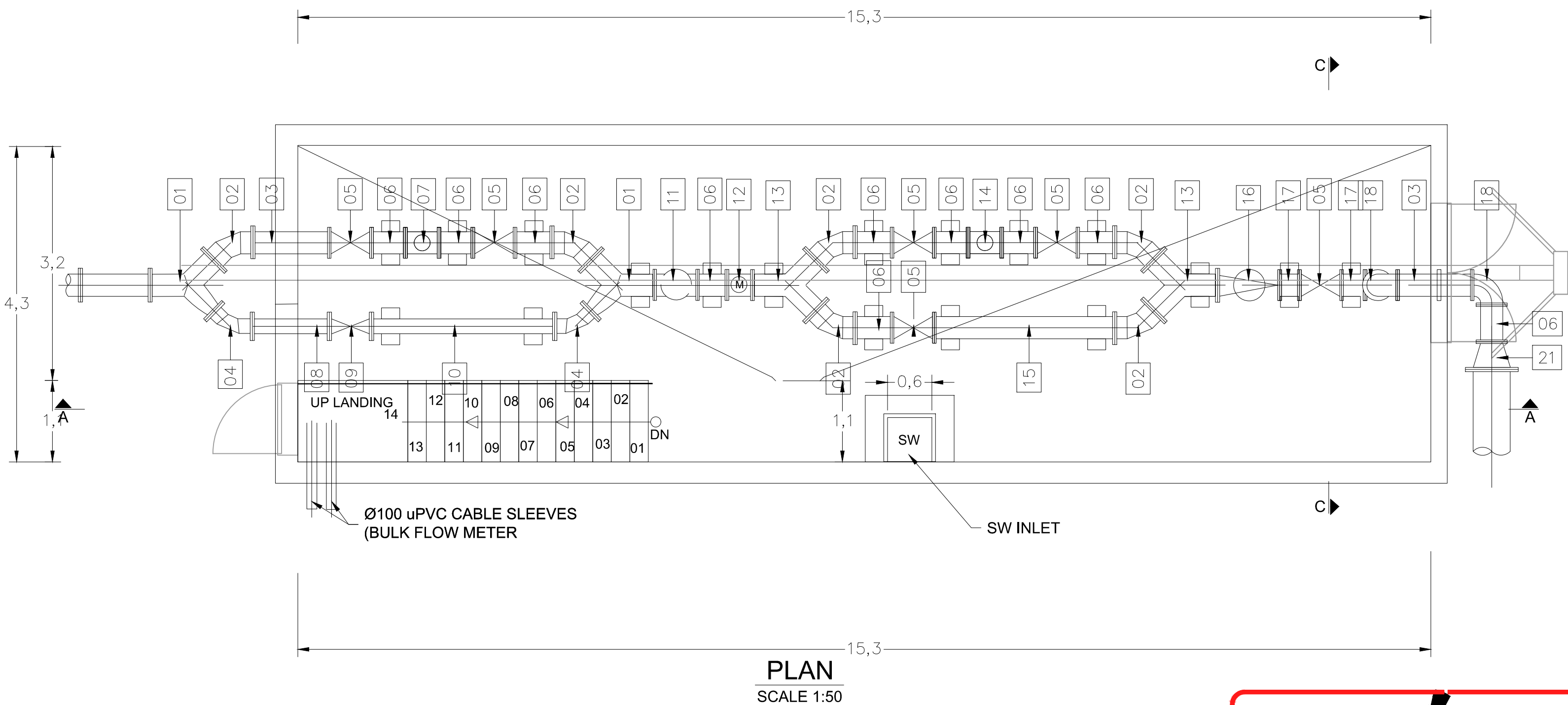


PIPE FITTINGS SCHEDULE

Item No.	Total	Dia (mm)	Description
1	2	300	Special gusset Y-piece, flanged one end, plain ended on the two branch sides, one branch with concentric reducer to 200mm
2	6	300	135° short radius bend, flanged ends
3	2	300	1000mm long Puddle pipe, , flanged one side, plain ended the other side, with puddle flange
4	2	200	135° short radius bend, flanged ends
5	6	300	Non-rising class 16 anti-clockwise closing wedge gate valve with cap top
6	10	300	Cut length pipe, 400mm long, both sides flanged
7	1	300	Pressure Reducing Valve81200Cut length pipe, 1100mm long, both sides flanged
9	1	200	Non-rising class 16 anti-clockwise closing wedge gate valve with cap top
10	1	200	Cut length pipe, 2550mm long, both sides flanged
11	1	300	PN16 flanged strainer with flanges drilled to SANS 1123-1600
12	1	300	PN16 dynamic turbine flowmeter with flanges drilled to SANS 1123-1600132300Special gusset Y-piece, flanged all sides
14	1	300	Singer 106-A Type 4 with Differential Control One-Way Flow Altitude Valve or Equivalent
15	1	300	Cut length pipe, 2500mm long, both sides flanged
16	1	300	PN16 cast iron Non Return Valve swing type
17	2	300	Cut length pipe, 300mm long, both sides flanged18330090° short radius bend, flanged both ends
19	1	300	Cut length pipe, 1900mm long, both sides flanged
20	1	600/300	600 x 300mmp concentric reducer, 500mm long, flanged both ends



SECTION C-C
SCALE 1:50



PLAN
SCALE 1:50

ISSUED FOR
TENDER

Engineer:

KEON >
CONSULTING ENGINEERS
TECHNO
DESIGNS
Civil Structural & Transport Engineers

TECHNO DESIGNS
ENGINEERING
34 Dana Street Glen Austin
Midland
TELEPHONE: (011) 045 2532
CELL: (072) 307 8811
EMAIL: engineer@technodesigns.co.za
WEBSITE: www.technodesigns.co.za

KEON CONSULTING
ENGINEERS
5th Avenue Office Park,
640 5th Avenue Newton
Port Elizabeth
TELEPHONE: +27 41 96301189
WEBSITE: www.keon.co.za

Client:

Johannesburg Water

JOHANNESBURG WATER
Turbine Hall,
65 Ntshini Pillao Street,
Newtown, Johannesburg

THESE NOTES SERVE AS AN ADDENDUM TO THE SPECIFICATION IN THE BILL OF MATERIALS (BOM) IN THOSE CASES WHERE THE BOM SPECIFICATIONS DIFFER FROM THESE NOTES. THESE NOTES SHALL TAKE PRECEDENCE.

ON ORIGINAL

0 5 10 20 30 40 50MM

Engineer:

T. CHONGO P/Eng (201400010)

Drawn By: T. POOPEDI
Designed By: T. CHONGO
Checked By: T. CHONGO

Signature: _____
Date: April 2023

Signature: _____
Date: April 2023

Signature: _____
Date: April 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 SCALE 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:

Project:
JW14406 LINBRO PUMP STATION

Description:
CHAMBER 12_PRV CHAMBER
PLAN & SECTIONS

Issued For:
TENDER

Size: A1
Scale: As Shown
Sheet No: 1 OF 4
Original Date: AUGUST 2023

Project No: C01486
Drawing No: PS07
Revision: T0