



OUTGOING WATER PIPE LAYOUT
SCALE 1: 50

PIPE SCHEDULE			
ITEM No.	TOTAL	PIPE DIA.	DESCRIPTION
1	2	500	Cut length pipe, 1000mm long, both sides flanged
2	2	500	135° long radius bend, flanged ends
3	1	500	Puddle pipe, 2700mm long, flanged both side, with puddle flange
4	3	500/300	Custom made 135° reducing Y-piece, flanged all ends
5	3	250	PN16 cast iron Non Return Valve swing type
6	3	500	Cut length pipe, 2360mm long, both sides flanged
7	2	500	Flanged end cap
8	3	300	Cut length pipe, 265mm long, both sides flanged
9	3	300	135° short radius bend, flanged ends
10	3	300	Cut length pipe, 315mm long, both sides flanged
11	3	300	Non-rising class 16 anti-clockwise closing wedge gate valve with cap top
12	3	300	Cut length pipe, 150mm long, both sides flanged
13	6	250	Cut length pipe, 3755mm long, both sides flanged
14	3	250	Cut length pipe, 400mm long, both sides flanged
15	6	250	90° short radius bend, flanged ends
16	3	250	Dismantling joint
17	3	250	Cut length pipe, 500mm long, both sides flanged
18	3	250	Cut length pipe, 1175mm long, flanged all sides, with puddle flange
19	3	250	135° short radius bend, flanged ends
20	3	250	Cut length pipe, 580mm long, both sides flanged
21	3	500/250	Concetric reducer, flanged both end
22	1	500	Cut length pipe, 1950mm long, both sides flanged
23	1	500	135° short radius bend, flanged ends
24	1	500	Cut length pipe, 2080mm long, both sides flanged
25	3	500	Custom made 135° Y-piece, flanged all ends
26	3	250	Cut length pipe, 1885mm long, both sides flanged
27	2	500	Cut length pipe, 1240mm long, both sides flanged

ISSUED FOR
TENDER

Engineer:
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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 PRECEDENCE.

ON ORIGINAL
0 5 10 15 20 30 40 50MM

Engineer:
T. CHONGO Pr Eng (201400010)
Drawn By: T. POOPEDI
Designed By: T. CHONGO
Checked By: T. CHONGO
Signature: [Signature]
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 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
RFL - REDUCED LEVEL
NOTE 2:
2.1 ALL DRILLED FLANGES TO SANS 1123 TYPE 8 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 LAYOUT

Issued For:
TENDER

Size: A1

Scale: 1: 500

Sheet No: 1 OF 12

Original Date: AUGUST 2023

Project No: C01486

Drawing No: GL03

Revision: T0