

LETTABO RESERVOIR
BEND POINTS CO-ORDINATES LIST (PHASE1)

NO.	BEND NO.	CHAINAGE	Easting	Northing
1	BEND 1	155.948	1427.476	1427.476
2	BEND 2	156.000	1427.476	1427.476
3	BEND 3	156.052	1427.476	1427.476
4	BEND 4	156.104	1427.476	1427.476
5	BEND 5	156.156	1427.476	1427.476
6	BEND 6	156.208	1427.476	1427.476
7	BEND 7	156.260	1427.476	1427.476
8	BEND 8	156.312	1427.476	1427.476
9	BEND 9	156.364	1427.476	1427.476
10	BEND 10	156.416	1427.476	1427.476
11	BEND 11	156.468	1427.476	1427.476
12	BEND 12	156.520	1427.476	1427.476
13	BEND 13	156.572	1427.476	1427.476
14	BEND 14	156.624	1427.476	1427.476
15	BEND 15	156.676	1427.476	1427.476
16	BEND 16	156.728	1427.476	1427.476
17	BEND 17	156.780	1427.476	1427.476
18	BEND 18	156.832	1427.476	1427.476
19	BEND 19	156.884	1427.476	1427.476
20	BEND 20	156.936	1427.476	1427.476

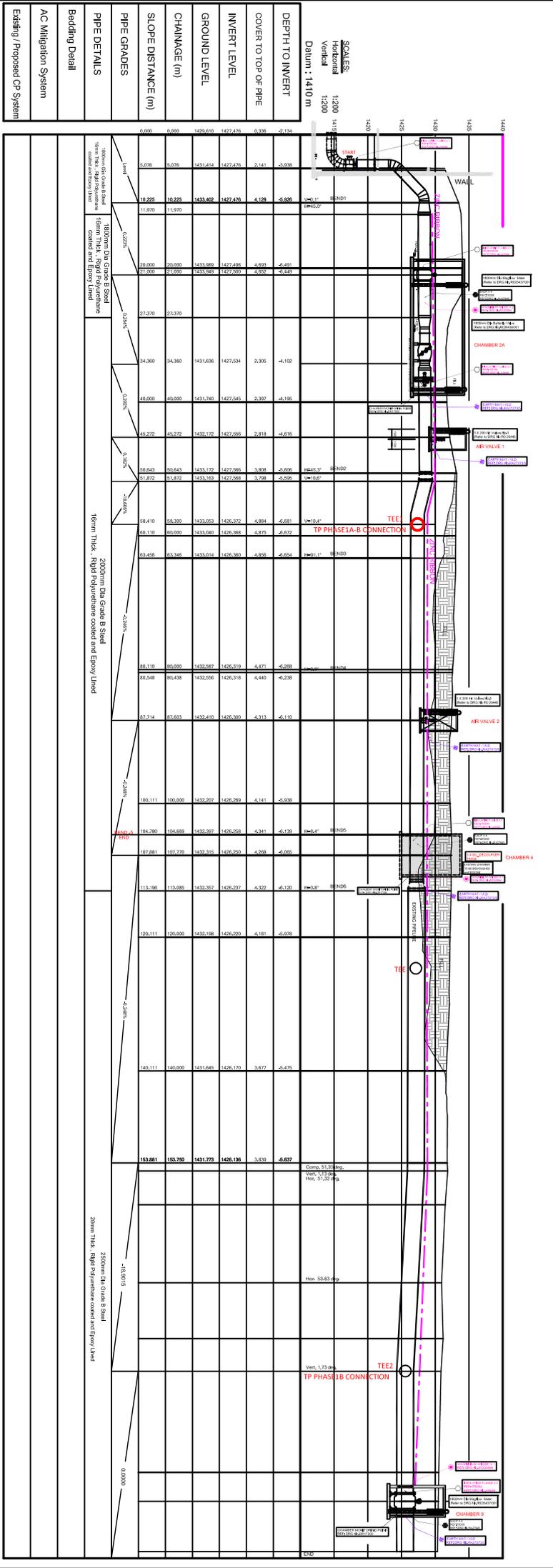
LETTABO PUMPING STATION
PH-1A VALVE CHAMBER (MG27)

NAME	DESCRIPTION	NO.	Easting	Northing
PH-1A VALVE	VALVE	1	1427.476	1427.476
PH-1A VALVE	VALVE	2	1427.476	1427.476
PH-1A VALVE	VALVE	3	1427.476	1427.476
PH-1A VALVE	VALVE	4	1427.476	1427.476
PH-1A VALVE	VALVE	5	1427.476	1427.476
PH-1A VALVE	VALVE	6	1427.476	1427.476
PH-1A VALVE	VALVE	7	1427.476	1427.476
PH-1A VALVE	VALVE	8	1427.476	1427.476
PH-1A VALVE	VALVE	9	1427.476	1427.476
PH-1A VALVE	VALVE	10	1427.476	1427.476
PH-1A VALVE	VALVE	11	1427.476	1427.476
PH-1A VALVE	VALVE	12	1427.476	1427.476
PH-1A VALVE	VALVE	13	1427.476	1427.476
PH-1A VALVE	VALVE	14	1427.476	1427.476
PH-1A VALVE	VALVE	15	1427.476	1427.476
PH-1A VALVE	VALVE	16	1427.476	1427.476
PH-1A VALVE	VALVE	17	1427.476	1427.476
PH-1A VALVE	VALVE	18	1427.476	1427.476
PH-1A VALVE	VALVE	19	1427.476	1427.476
PH-1A VALVE	VALVE	20	1427.476	1427.476

LETTABO PUMPING STATION
PH-1-MF VALVE CHAMBER (MG27)

POINT NAME	DESCRIPTION	NO.	Easting	Northing
PH-1-MF VALVE	VALVE	1	1427.476	1427.476
PH-1-MF VALVE	VALVE	2	1427.476	1427.476
PH-1-MF VALVE	VALVE	3	1427.476	1427.476
PH-1-MF VALVE	VALVE	4	1427.476	1427.476
PH-1-MF VALVE	VALVE	5	1427.476	1427.476
PH-1-MF VALVE	VALVE	6	1427.476	1427.476
PH-1-MF VALVE	VALVE	7	1427.476	1427.476
PH-1-MF VALVE	VALVE	8	1427.476	1427.476
PH-1-MF VALVE	VALVE	9	1427.476	1427.476
PH-1-MF VALVE	VALVE	10	1427.476	1427.476
PH-1-MF VALVE	VALVE	11	1427.476	1427.476
PH-1-MF VALVE	VALVE	12	1427.476	1427.476
PH-1-MF VALVE	VALVE	13	1427.476	1427.476
PH-1-MF VALVE	VALVE	14	1427.476	1427.476
PH-1-MF VALVE	VALVE	15	1427.476	1427.476
PH-1-MF VALVE	VALVE	16	1427.476	1427.476
PH-1-MF VALVE	VALVE	17	1427.476	1427.476
PH-1-MF VALVE	VALVE	18	1427.476	1427.476
PH-1-MF VALVE	VALVE	19	1427.476	1427.476
PH-1-MF VALVE	VALVE	20	1427.476	1427.476

ZINC RIBBON



LETTABO PUMPING STATION
LONG SECTION PHASE 1A
CH 0 TO CH 211.84m

FOR TENDER

NOTES:

1. ALL DIMENSIONS SHOWN FROM THE CENTER LINE OF PIPELINE.
2. HORIZONTAL DIMENSIONS ARE SQUARE FEET.
3. COVER HEAD ELECTRICAL PANELS - REMAINS OF UNDERGROUND UTILITIES AND CABLES REMAINS PIPES.
4. EXISTING ACCESS TO PROPERTIES ARE AVAILABLE WHERE SHOWN AND ARE ATTACHED.
5. FROM CONCRETE ENCLOSURE REIGRS TO DIM. DRAWINGS.
6. ALL UTILITIES ARE UNDERGROUND UNLESS OTHERWISE NOTED TO BE ABOVE GROUND. ALL UTILITIES ARE UNDERGROUND UNLESS OTHERWISE NOTED TO BE ABOVE GROUND. ALL UTILITIES ARE UNDERGROUND UNLESS OTHERWISE NOTED TO BE ABOVE GROUND.

LEGEND:

EXISTING / PROPOSED CP SYSTEM

PIPE DETAILS:

AC Mitigation System

Bedding Detail

REFERENCE EXAMPLES:

SCALE:
Horizontal: 1:200
Vertical: 1:200
Datum: 1410 m

DEPTH TO INVERT

CHAINAGE	DEPTH TO INVERT
0.000	1410.000
8.000	1410.000
1429.810	1427.476
1427.476	1427.476
0.336	1427.476
0.134	1427.476

COVER TO TOP OF PIPE

CHAINAGE	COVER TO TOP OF PIPE
0.000	1410.000
8.000	1410.000
1429.810	1427.476
1427.476	1427.476
0.336	1427.476
0.134	1427.476

INVERT LEVEL

CHAINAGE	INVERT LEVEL
0.000	1410.000
8.000	1410.000
1429.810	1427.476
1427.476	1427.476
0.336	1427.476
0.134	1427.476

GROUND LEVEL

CHAINAGE	GROUND LEVEL
0.000	1410.000
8.000	1410.000
1429.810	1427.476
1427.476	1427.476
0.336	1427.476
0.134	1427.476

CHAINAGE (m)

CHAINAGE	GROUND LEVEL
0.000	1410.000
8.000	1410.000
1429.810	1427.476
1427.476	1427.476
0.336	1427.476
0.134	1427.476

SLOPE DISTANCE (m)

CHAINAGE	SLOPE DISTANCE
0.000	1410.000
8.000	1410.000
1429.810	1427.476
1427.476	1427.476
0.336	1427.476
0.134	1427.476

PIPE GRADES

CHAINAGE	PIPE GRADE
0.000	1410.000
8.000	1410.000
1429.810	1427.476
1427.476	1427.476
0.336	1427.476
0.134	1427.476

PIPE DETAILS:

180mm Dia Grade B Steel
16mm Thick, Rigid Polyethylene covered and Epoxy Lined

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16mm Thick, Rigid Polyethylene covered and Epoxy Lined