LIST OF DRAWINGS

PRDC-26-07-00	GENERAL NOTES, LIST OF DRAWINGS AND LOCALITY PLAN
PRDC-26-07-01	SITE DEVELOPMENT PLAN
PRDC-26-07-02	PUMPLINE 1 PLAN 1 OF 10
PRDC-26-07-03	PUMPLINE 1 PLAN 2 OF 10
PRDC-26-07-04	PUMPLINE 1 PLAN 3 OF 10
PRDC-26-07-05	PUMPLINE 1 PLAN 4 OF 10
PRDC-26-07-06	PUMPLINE 1 PLAN 5 OF 10
PRDC-26-07-07	PUMPLINE 1 PLAN 6 OF 10
PRDC-26-07-08	PUMPLINE 1 PLAN 7 OF 10
PRDC-26-07-09	PUMPLINE 1 PLAN 8 OF 10
PRDC-26-07-10	PUMPLINE 1 PLAN 9 OF 10
PRDC-26-07-11	PUMPLINE 1 PLAN 10 OF 10
PRDC-26-07-12	PUMPLINE 1 VALVE POSITIONS
PRDC-26-07-13	PUMPLINE 2 PLAN 1 OF 12
PRDC-26-07-14	PUMPLINE 2 PLAN 2 OF 12
PRDC-26-07-15	PUMPLINE 2 PLAN 3 OF 12
PRDC-26-07-16	PUMPLINE 2 PLAN 4 OF 12
PRDC-26-07-17	PUMPLINE 2 PLAN 5 OF 12
PRDC-26-07-18	PUMPLINE 2 PLAN 6 OF 12
PRDC-26-07-19	PUMPLINE 2 PLAN 7 OF 12
PRDC-26-07-20	PUMPLINE 2 PLAN 8 OF 12
PRDC-26-07-21	PUMPLINE 2 PLAN 9 OF 12
PRDC-26-07-22	PUMPLINE 2 PLAN 10 OF 12
PRDC-26-07-23	PUMPLINE 2 PLAN 11 OF 12
PRDC-26-07-24	PUMPLINE 2 PLAN 12 OF 12
PRDC-26-07-25	PUMPLINE 2 VALVE POSITIONS
PRDC-26-07-26	MANHOLES-PLAN1 OF 2
PRDC-26-07-27	MANHOLES PLSN 2 OF 2

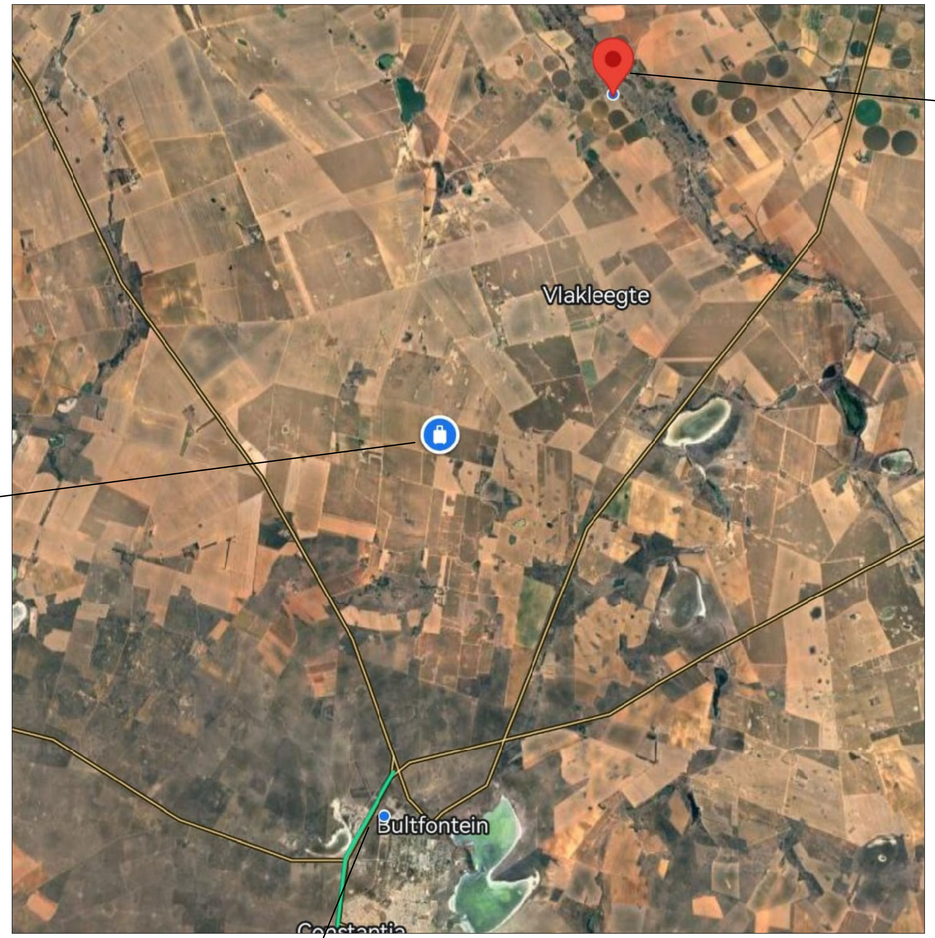


LUIPAARDSVALE COLLECTION DAM AND INLET PUMPSTATION LOCATION: 28 DEG 26' 01.3" S 26 DEG 12' 17.0" E





VALENTIA BREAK PRESSURE TANK AND PUMPSTATION LOCATION: 28 DEG 11' 05.6" S 26 DEG 09' 21.4" E









BENCHMARKS CO-ORDINATES LIST WGS84/27			
NAME	Y	X	ELEVATION
BM-01	78201.31	31 09 880.06	1279.456
BM-02	79328.98	31 12 757.39	1292.463
BM-03	82193.17	31 17 267.30	1316.186
BM-04	82896.62	31 19 292.31	1329.446
BM-05	83235.65	31 12 950.65	1349.170
BM-06	83583.27	31 24 649.96	1342.580
BM-07	83788.84	31 26 142.42	1346.145
BM-08	83946.76	31 28 440.84	1335.452
BM-09	84510.05	31 29 821.43	1333.377
BM-10	84723.82	31 30 272.80	1336.841
BM-11	84904.12	31 30 688.17	1342.007
BM-12	84693.35	31 31 557.27	1330.073
BM-13	84555.44	31 31 786.03	1330.078
BM-14	84215.61	31 31 830.22	1328.972
BM-15	83979.61	31 31 937.80	1331.477
BM-16	84062.15	31 32 593.68	1326.684
BM-17	84110.25	31 30 686.27	1328.583
BM-18	83764.94	31 29 896.50	1328.574
BM-19	83368.80	31 30 324.46	1319.550
BM-20	82689.92	31 30 427.68	1310.797
BM-21	83275.69	31 30 595.81	1316.721
BM-22	82928.67	31 30 884.30	1312.723
BM-23	82965.72	31 31 206.79	1314.820
BM-24	83686.43	31 31 045.73	1323.288



BULTFONTEIN WATER PURIFICATION PLANT DAM OUTLET LOCATION: 28 DEG 16' 46.3" S 26 DEG 08' 25.4" E



CONCRETE NOTES

-ALL WORK TO S.A.B.S.-1200-1982 (AS REVISED FROM TIME TO TIME).
-ALL DIMENSIONS MUST BE CHECKED ON SITE AND ANY DISCREPANCIES OR ILLEGIBILITIES MUST BE REPORTED TO THE ENGINEER BEFORE COMMENCEMENT OF THE WORKS.
-CONCRETE STRENGTH : FOOTINGS = 25 MPa/19mm
: COLUMNS = 40 MPa/19mm
: SLABS AND BEAMS = 25 MPa/19mm
: ALL WATER RETAINING STRUCTURES = 35 MPa/19mm
: GENERAL = 25 MPa UNLESS SHOWN OTHERWISE.
-CONCRETE COVER : FOOTING = 75mm
: COLUMNS = 30mm
: BEAMS = 20mm
: SLABS = 20mm
: WATER RETAINING STRUCTURES = SIDE OF WATER=50mm
= SIDE OF SOIL =25mm
: UNLESS SHOWN OTHERWISE.

-CAST 50-75mm BLINDING LAYER UNDERNEATH ALL FOOTINGS (15 MPa).
-REINFORCEMENT AND EXCAVATIONS MUST BE CHECKED AND APPROVED BY THE ENGINEER BEFORE ANY CONCRETE IS POURED.
-THE CONTRACTOR MUST ENSURE THAT THE REINFORCEMENT ARE KEPT IN POSITION BEFORE AND DURING THE POURING OF CONCRETE.
-REINFORCEMENT MUST BE KEPT IN PLACE BY MEANS OF APPROVED S.A.B.S. PLASTIC COVER CLIPS OR CONCRETE COVER BLOCKS MADE OF THE SAME CONCRETE STRENGTH AS THE CONCRETE BEING POURED.
-LOADBEARING BRICKWORK : EVERY LAYER BELOW GROUND FLOOR SLAB;
: EVERY LAYER ABOVE WINDOWS, OPENINGS & DOORS (AT LEAST 4 LAYERS);
: EVERY FOURTH LAYER INBETWEEN.
-PROVIDE 2 LAYERS OF 3-PLY MALTHOID ON ALL LOADBEARING WALLS (OR JUST AS SHOWN).
-TEST CUBES: 9 PER 6m MIN.-TEST 3 CUBES ON 3, 7 & 28 DAYS. (TEST RESULTS MUST BE HANDED TO THE ENGINEER AS SOON AS POSSIBLE)
-ALL EXPOSED CORNERS TO BE 25x25mm CHAMFER EXCEPT WHERE OTHERWISE INDICATED.

FILLING NOTES

1. ALL MATERIAL TO BE USED AS FILLING MUST BE APPROVED BY THE ENGINEER. SAMPLES OF SUCH MATERIAL MUST BE GIVEN TO THE ENGINEER AND WILL BE TESTED IF REQUIRED. NO MATERIAL SHALL BE DELIVERED ON SITE BEFORE IT HAS BEEN APPROVED.
2. FILLING MUST CONSIST OF AN APPROVED SAND GRAVEL WITH A MAXIMUM AGGREGATE SIZE OF 25MM, THE PLASTIC INDEX MUST BE LESS THEN 10, THE CBR. AT 93 % DRY DENSITY (MOD. AASHTO) CBR 20 @ 93% MOD AASHTO
3. ALL WORK STRICTLY TO S.A.B.S.-1200-1983(AS REVISED FROM TIME TO TIME).
4. BEDDING MATERIAL MUST BE APPROVED AND MUST BE COMPACTED TO 93% MOD AASHTO IN LAYERS NOT EXCEEDING 150MM

For Tender Purpose Only

SITE DEVELOPMENT PLAN

AMENDMENDS

No	Date	By	

Client:
TSWELOPELE LOCAL MUNICIPALITY

Project:
THE REPLACEMENT OF OLD ASBESTOS PIPELINE AND ACCOMPANYING APPURTENANCES IN PHAHAMENG (BULTFONTEIN)

Drawing: SITE DEVELOPMENT DIAGRAMATIC PLAN LIST OF DRAWINGS GENERAL NOTES

Date:	Scale:
JUNE 2026	AS SHOWN

PULE RAMASIMONG DEVELOPMENT CONSULTANTS

ENGINEERING CONSULTANTS, PROJECT MANAGERS AND COMMUNITY DEVELOPMENT CONSULTANTS

6 DELAHARPE STREET
WILKOPPIES
KLERKSDORP, 2570

TEL:+27 18 462 1575
FAX: +27 18 462 1518
EMAIL:pule@prdcon.co.za

Designed By:		PR	
Drawn By:		SM	
Checked By:		PR	

PRDC-26-07-00
Drawing No.

Contract No. **PRDC-26-07**