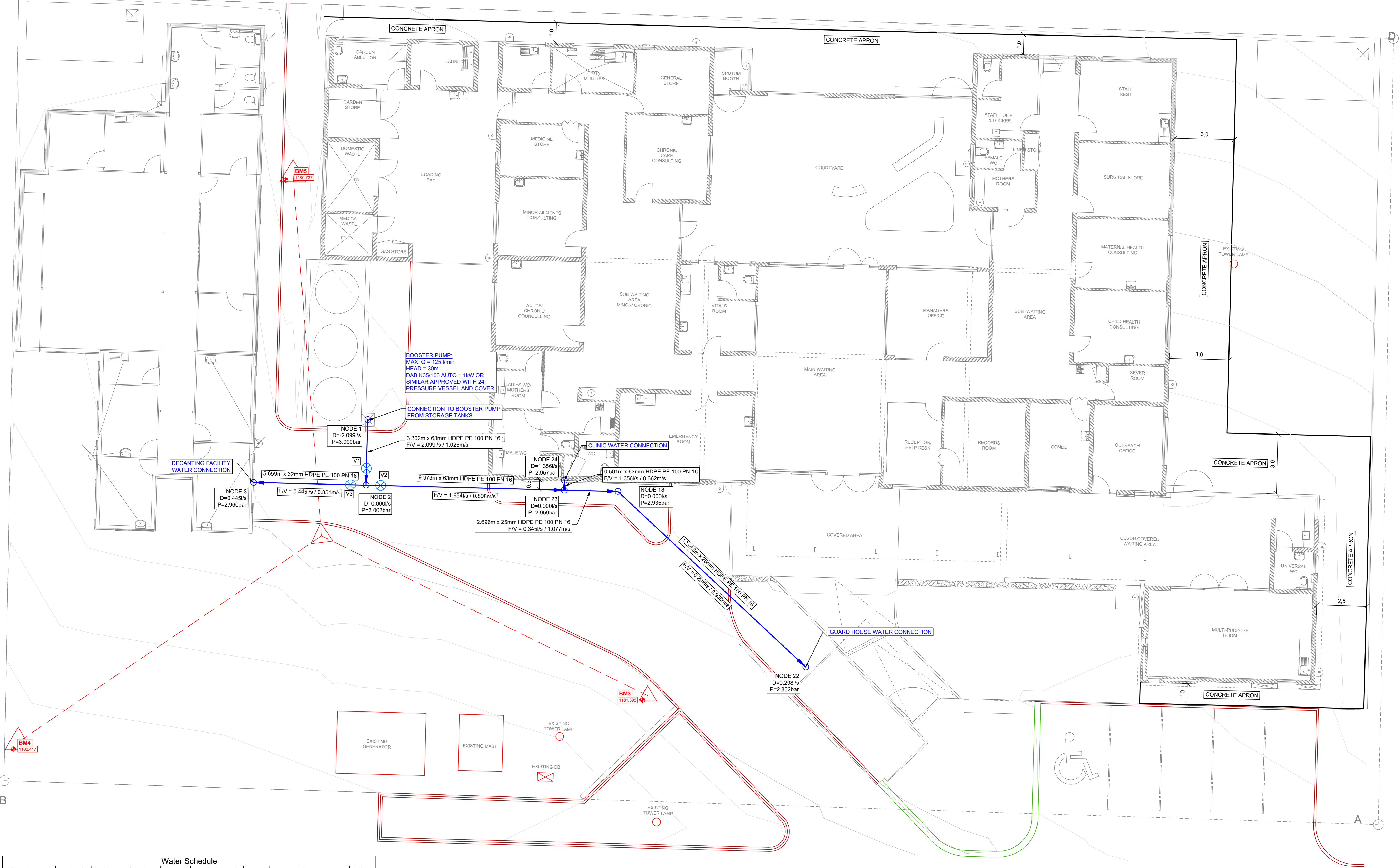




Water Schedule									
Node	Pipe	Y-Coord	X-Coord	CL	IL	Depth	Length	Slope	Type
[1]	[1]	-40373.040	3007255.658	1180.751	1179.882	0.869	3.302	4.346 %	HDPE PE 100 Class PN 12.5
[2]		-40372.952	3007258.956	1180.607	1179.738	0.869			
[2]		-40372.952	3007258.956	1180.607	1179.779	0.829			
[3]	[2]	-40367.296	3007258.815	1180.747	1179.918	0.829	5.659	2.463 %	HDPE PE 100 Class PN 16
[18]		-40385.615	3007259.272	1180.886	1180.063	0.823			
[22]	[22]	-40390.279	3007263.629	1180.767	1179.945	0.823	6.384	1.854 %	HDPE PE 100 Class PN 16
[18]		-40395.063	3007268.098	1180.827	1180.105	0.823	6.549	2.444 %	HDPE PE 100 Class PN 16
[23]	[27]	-40385.615	3007259.272	1180.886	1180.063	0.823	2.696	1.441 %	HDPE PE 100 Class PN 16
[23]		-40382.920	3007259.209	1180.847	1180.024	0.823			
[23]		-40382.920	3007259.209	1180.847	1179.990	0.857			
[2]	[29]	-40372.952	3007258.956	1180.607	1179.750	0.857	9.973	2.399 %	HDPE PE 100 Class PN 16
[23]		-40382.920	3007259.209	1180.847	1179.976	0.870			
[24]	[30]	-40382.923	3007258.709	1180.864	1179.994	0.870	0.501	3.432 %	HDPE PE 100 Class PN 16

Fitting Schedule (HDPE)	
Node	Description
NODE 2	Tee-63x63mm, Reducer-63x50mm, Reducer-50x32mm
NODE 3	Bend-32mmx90° (Connection as per drawing no. 35566-143-1)
NODE 22	Bend-25mmx90° (Connection as per drawing no. 35566-143-1)
NODE 23	Tee-63x63mm, Reducer-63x50mm, Reducer-50x25mm
NODE 24	Bend-63mmx90° (Connection as per drawing no. 35566-143-1)
V1	Stop Valve-63mm (with HDPE Valve Chamber as per drawing no. 35566-143-1)
V2	Stop Valve-63mm (with HDPE Valve Chamber as per drawing no. 35566-143-1)
V3	Stop Valve-32mm (with HDPE Valve Chamber as per drawing no. 35566-143-1)

BENCHMARKS (WGD84 LO23)			
BENCHMARK	Y	X	Z
BM3	-40 386.862	3 007 269.762	1181.395
BM4	-40 355.216	3 007 272.227	1182.417
BM5	-40 388.913	3 007 243.612	1180.737

- NOTES:
- DUE TO THE PRESENCE OF DOLOMITIC MATERIAL IN THE AREA, THIS SITE HAS A IHC2/1 CLASSIFICATION WITH D3 PRECAUTIONARY MEASURES PRESCRIBED.
- ALL PIPES TO BE HDPE PE100.
 - JOINTS TO BE BUTT-WELDED (SANS 0268 - PART 1) IN GENERAL, OR ELECTRO FUSION WELDED (SANS 0268 - PART 2) WHERE BUTT-WELDING IS NOT POSSIBLE.
 - ALL WELDING TO BE DONE IN ACCORDANCE WITH THE RELEVANT SANS 0268, SANS 0269, SANS 1269, SANS 0270, SANS 1655 AND SANS 1671 CODES.
 - NO COMPRESSION FITTINGS ARE ALLOWED BELOW GROUND, EXCEPT IF THEY ARE INSTALLED IN WATERTIGHT MANHOLES.
 - ALL SITE SERVICES TO BE TESTED TO HAVE ZERO PERCENT LEAKAGE.
 - THE NUMBER OF JOINTS MUST BE KEPT TO A MINIMUM.

NOTES / LEGEND

NEW WATER PIPE

NEW WATER NODE

NEW STOP VALVE

PEAK FLOW / VELOCITY

GENERAL

THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL MATERIALS AND WORKMANSHIP CONFORM WITH THE DETAILS AND SPECIFICATIONS SHOWN ON THIS DRAWING, AND ALL RELEVANT SABS SPECIFICATIONS, IRRESPECTIVE OF WHETHER THE ENGINEER HAS INSPECTED THE WORKS ON SITE OR NOT.

ALL DIMENSIONS AND LEVELS TO BE CHECKED ON SITE AND CORRELATED WITH THE ENGINEER'S DRAWINGS BEFORE CONSTRUCTION COMMENCES.

NO SCALING WITH SCALE RULER FROM THE DRAWING IS PERMITTED. THE CONTRACTOR MUST ENSURE THAT HE GETS THE CORRECT DIMENSIONS FROM THE ENGINEER BEFORE CONSTRUCTION COMMENCES.

ISSUE DATE: 17/03/2026

DRAWING SIZE: A1

REVISION: 0

PRELIMINARY

INFO ONLY

FOR TENDER

X FOR CONSTRUCTION

AS-BUILT

APPROVED BY COUNCIL / CLIENT

CITY ENGINEER / CLIENT

REG. NO.

DATE

AMENDMENTS CODE

A.B.C. J : BEFORE TENDER
TO : TENDER DRAWING
0.1.2. J : AFTER TENDER
Z : AS BUILT

A : BY CLIENT
B : BY ARCHITECT
C : BY MECHANICAL OR ELECTRICAL
D : BY BVI
E : BY OTHER ()

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DATE

INITIAL

NO.

DESCRIPTION OF REVISION

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CONSULTING ENGINEERS CENTRAL
Civil, Structural & Electrical Engineers, Environmental & Project Management
Registration no. 1996/001850/1

BEEE LEVEL 1

CLIENT

health
Department:
Health
Northern Cape Province

PROJECT

UPGRADING AND REFURBISHMENT
OF LOGOBATE PHC

DRAWING TITLE

WATER LAYOUT

APPROVED BY BVI

JJ HAEFELE

20190844

17/03/2026

ENGINEER/TECHNOLOGIST

REG. NO.

DATE

SCALE

1:100

DRAWN

D COETZEE

DESIGNED

D COETZEE

CHECKED

J HAEFELE

PLAN NUMBER

35566-140-1

REVISION NO.

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