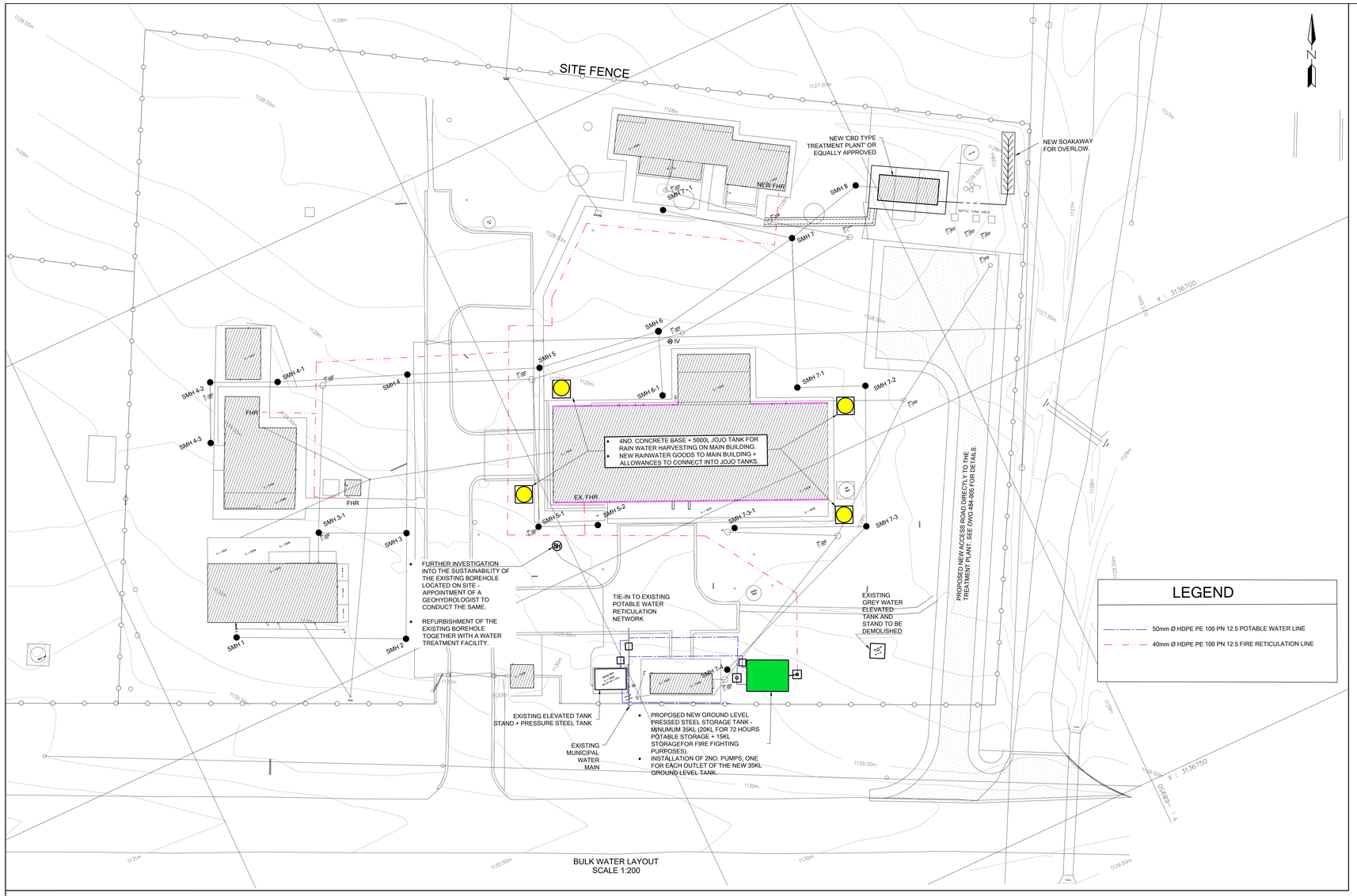
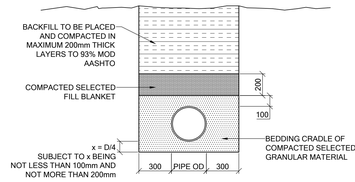


BULK WATER LAYOUT
SCALE 1:200

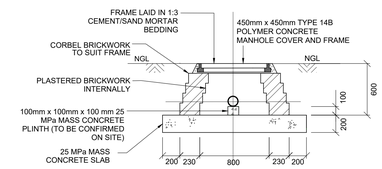
LEGEND

- 50mm Ø HDPE PE 100 PN 12.5 POTABLE WATER LINE
- 40mm Ø HDPE PE 100 PN 12.5 FIRE RETICULATION LINE

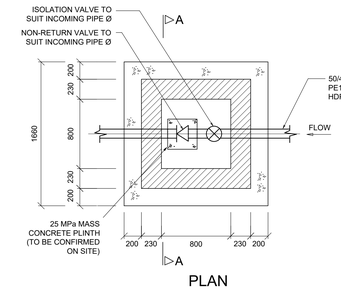


PIPE BEDDING DETAIL: FLEXIBLE PIPES

SCALE 1:20



SECTION A-A



PLAN

ISOLATION VALVE AND NON-RETURN VALVE CHAMBER DETAIL

N.T.S

NOTES

GENERAL

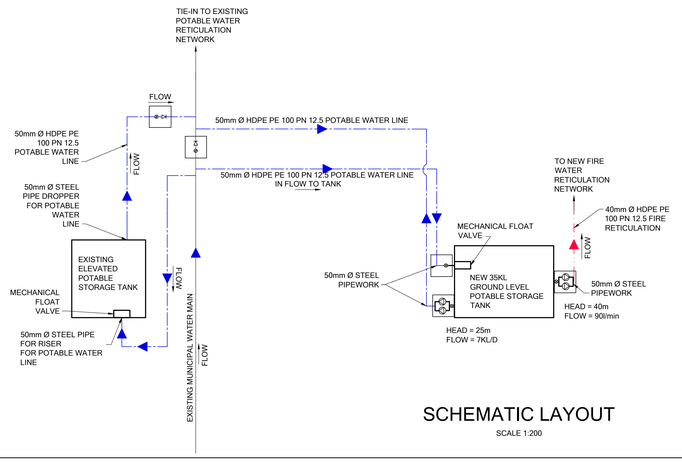
1. ALL SETTING OUT TO BE UNDERTAKEN BY A REGISTERED PROFESSIONAL LAND SURVEYOR.
2. PROVE ALL SERVICES PRIOR TO CONSTRUCTION.
3. ALL WORK AREAS TO BE REINSTATED (PREMIX, CONCRETE, ETC.)
4. MUNICIPALITY TO EXECUTE ALL CONNECTIONS INTO MUNICIPAL LINES.
5. ALL LEVELS AND DIMENSIONS TO BE VERIFIED ON SITE.
6. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE STRUCTURAL ENGINEERING DRAWINGS.
7. ALL WORK IS TO BE EXECUTED IN ACCORDANCE WITH SANS 1200.
8. CONTRACTOR TO PROVIDE AN AS-BUILT SURVEY OF ALL WORKS CONSTRUCTED UPON COMPLETION OF THE PROJECT.

WATER RETICULATION

1. ALL PIPEWORK AND FITTINGS TO BE READ IN CONJUNCTION WITH DRAWING NO. - 484/900
2. BEDDING TO SUIT FLEXIBLE PIPES.
3. PIPES TO BE INSTALLED WITH ALL COUPLINGS AND TO BE TESTED AND DISINFECTED.
4. INSTALLATION TO COMPLY WITH SABS 1200.
5. THRUST BLOCKS TO BE 25MPA CONCRETE AT 28 DAYS STRENGTH.
6. CONTRACTOR TO ENSURE THAT ALL INDIVIDUAL DOMESTIC SUPPLY WATER MAINS ARE CONNECTED TO THE POTABLE WATER RETICULATION AND NOT THE FIRE RETICULATION.
7. MINIMUM COVER TO BURIED PIPES SHALL BE 800mm, EXCEPT AT ROAD CROSSINGS WHERE THE COVER SHALL BE INCREASED TO 1200mm.

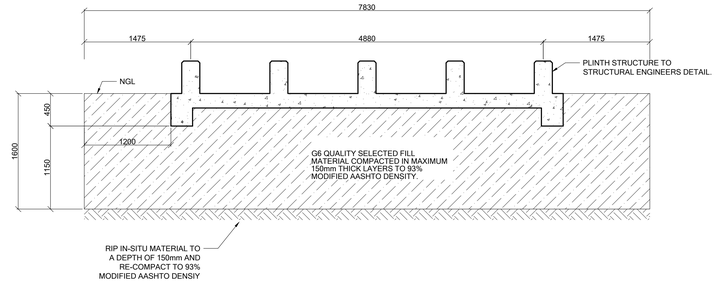
KEY

- 50mm Ø HDPE PE 100 PN 12.5 POTABLE WATER LINE
- 40mm Ø HDPE PE 100 PN 12.5 FIRE RETICULATION LINE
- 50mm Ø NON-RETURN VALVE
- 50mm Ø VALVE
- NEW PUMP



SCHEMATIC LAYOUT

SCALE 1:200



TYPICAL LAYERWORKS DETAIL BELOW THE STEEL WATER STORAGE TANK.

SCALE 1:30

NOTE:

1. THE EXTENTS OF THE SOIL IMPROVEMENTS IS IN RELATION TO THE TANK SETTING OUT.
2. REFER TO THE STRUCTURAL LAYOUTS FOR BUILDING SETTING OUT INFORMATION.

FOR TENDER

REVISION SCHEDULE

NO.	DATE	DESCRIPTION	REV. BY
P1	2021.12.10	PRELIMINARY	AB
P2	2021.12.13	REVISED IN ACCORDANCE WITH DOH COMMENTS	GT
P3	2023.09.06	TYPICAL LAYERWORKS DETAIL BELOW STEEL WATER STORAGE TANK.	AD
T1	2024.10.07	FOR TENDER	KG

DEPARTMENT OF HEALTH

INFRASTRUCTURE DEVELOPMENT

CHIEF ENGINEER : MR E. CHIRO : CIVIL / STRUCTURAL

SIGNATURE ..... DATE .....

PROJECT MANAGER : MR T. DLAMINI

SIGNATURE ..... DATE .....

CLIENT DEPARTMENT SIGNATURES:

FACILITY STAMP:

FACILITY MANAGER: .....

INFRASTRUCTURE MANAGER: .....

GENERAL MANAGER: .....

CHECKED BY CONSULTANT:

NAME:

SIGNATURE ..... DATE .....

CONSULTANT:

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3630

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PROVINCE OF KWAZULU-NATAL
DEPARTMENT OF PUBLIC WORKS
HEAD: PUBLIC WORKS

MIDLANDS REGION

PROJECT:

WIMS 066058: DRIEFONTEIN CLINIC - UPGRADE SEWER TREATMENT PLANT

DRAWING DESCRIPTION:

PROPOSED NEW BULK SERVICES LAYOUT

SCALE:	DATE:	DRAWN BY:	CHECKED BY:
1:200	07-10-2024	KG	PN

CONSULTANT DRAWING NUMBER: 484/904

REVISION: T1

DOPW DRAWING NUMBER: WIMS NO/066058/CIV/904

STAMPED BY PLANS APPROVAL COMMITTEE: