GENERAL NOTES:

THIS DESIGN WAS ENGINEERED BY:
SEA PROJECTS AND ENGINEERING (PTY) LTD

1. ALL MATERIALS AND WORKMANSHIP MUST COMPLY WITH THE REQUIREMENTS OF THE LATEST RELEVANT SANS PROJECT SPECIFICATIONS.
2. ALL DIMENSIONS IN MILLIMETERS.
3. ALL DIMENSIONS MUST BE CHECKED AND APPROVED ON SITE.
4. ALL CONSTRUCTION TO BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATION FOR MUNICIPAL CIVIL ENGINEERING WORKS.
5. FINAL POSITION TO BE DETERMINED ON SITE.
6. ALL CONCRETE MIXES TO BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
7. EXCAVATIONS TO BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
8. ALL MASS CONCRETE TO BE 15MPa/19 UNLESS STATED OTHERWISE BY THE ENGINEER.
9. BENCHING SHALL BE FINISHED WITH A 20mm DOLOMITIC LAYER PLACED WHILE CONCRETE IS STILL GREEN AND STEEL FLOAT TO SMOOTH FINISHED.
10. BACKFILL TO BE DONE WITH G5 MATERIAL COMPACTED IN LAYERS OF 150mm THICK TO 93% MOD AASHTO AT OMC.
11. CHANNELING MUST BE BUILT WITH GLAZED EARTHENWARE OR FIBRE CEMENT CHANNEL RECESSED INTO CONCRETE FOUNDATION.
12. EXCAVATION PRIOR TO TRENCH EXCAVATIONS AND CONFIRM LEVELS.
13. COMPACTION OF BEDDING MATERIAL AROUND PIPE TO BE DONE WITH SPECIAL CARE.
14. ALL PIPES TO BE PRESSURE TESTED TESTED AFTER COMPLETION.

LEGEND

Benchmarks	Sign Post	Concrete Paving	Culvert
Electric Pole	Steel Pole	Brick Paving	Drain
Sign Board	Staywire	Tarred Road	Top of pipe
Fibre Manhole	Water Valve	Dust Road	Fence
Lamp Post	Valve Manhole	Driveway	Wall
Fire Hydrant	Bollard	Railway	Bottom Kerb
Tree	Wooden Pole	Gate	Top Kerb
Water Meter	Water Tank	Electric Box	Minor Contour
Sewer Manhole	Invert Level		Major Contour
Unknown Manhole	Stormwater Manhole		
Rock			

DESIGN COORDINATOR APPROVAL:

SIGNATURE _____ DATE _____

PROJECT MANAGER APPROVAL:

SIGNATURE _____ DATE _____

CLIENT APPROVAL:

SIGNATURE _____ DATE _____

REVISIONS					
A	28/05/2026	ISSUED FOR TENDER	C.K.	M.R.	S.N.
NO.:	DATE	DESCRIPTION	BY:	CHK:	APPR.:

DESIGNED:	DRAWN:	CHECKED:	APPROVED:	DATE:	SCALE:
M.R	C.K	M.R	S.N	29/05/2026	N.T.S

CLIENT:

Maquassi Hills Local Municipality

MAQUASSI HILLS LOCAL MUNICIPALITY
Private Bag X3
19 Krugger Street
Wolmaranstad
2630

TEL: (018) 596 1068
FAX: (018) 596 1555
WEB: www.maquassihills.co.za

PROJECT:

REPLACEMENT OF ASBESTOS CEMENT BULK AND RETICULATION PIPELINES

DRAWING TITLE:

MAKWASSI HILLS - BULK PIPELINE: DN250 LAYOUT PLAN

CONSULTANTS:

SEA PROJECTS AND ENGINEERING

7107 Rosewood Road
Broadacres
Gauteng
2169

SEA PROJECTS AND ENGINEERING (PTY) LTD

TEL NO.: +27(0) 10 143 1687
EMAIL: seanel@seaprojects.co.za

SIZE:	PROJECT NO.:	DRAWING NO.:	SHEET NO.:	REVISION:
A0	20241003	DRG-CIV-002	01	A