



REVISION:		
No.	DATE	DESCRIPTION

FOR TENDER	
LEGEND:	<ul style="list-style-type: none"> --- Foul Sewer Pipe Exst. --- Foul Sewer Mnt Exst. --- Foul Sewer Pipe --- Foul Sewer Manhole --- Foul Sewer Conn. Point --- Water Pipe - Domestic --- Water Valve --- Sewer Exst. Septic Tanks

NOTES (EXIST. SERVICES)	
1.0	THE POSITION AND LEVEL OF ALL EXISTING SERVICES TO BE COVERED WITH THE ENGINEER BEFORE ANY CONSTRUCTION WORKS CAN COMMENCE.
2.0	THE REFERENCE PEGS GIVEN ARE TO BE USED EXCLUSIVELY FOR THIS CONSTRUCTION PROJECT.
3.0	THE CONTRACTOR MUST SECURE THE APPROPRIATE REFERENCE PEGS AND TAKE THE NECESSARY STEPS TO PROTECT THEM FOR FUTURE USE.
4.0	NO TREES WILL BE DAMAGED OR REMOVED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.
5.0	ALL EXISTING SERVICES TO BE PROTECTED AND TO BE RESTORED TO THE ORIGINAL CONDITION AS FOUR BY THE CONTRACTOR BEFORE THE CONSTRUCTION OF THE NEW PROPOSED CIVIL SERVICES.
6.0	ALL THE NECESSARY PRECAUTIONS MUST BE UNDERTAKEN TO REDUCE DUST AND NOISE POLLUTION.
7.0	ALL CONSTRUCTION WORKS TO BE SUFFICIENTLY MARKED AND SECURED TO INSURE PUBLIC PROTECTION AND SAFETY.
8.0	ALL WORKS TO BE DONE IN ACCORDANCE WITH SANS 1020.

SEWER NOTES:	
1.0	FINAL MANHOLE COVER LEVELS:
1.1	IN ROAD RESERVE TO TIE IN WITH THE FINAL ROAD RESERVE PRISM LEVELS AND CAMBERS.
1.2	OUTSIDE ROAD RESERVE 200mm HIGHER THAN FINISHED GROUND LEVELS.
2.0	WHERE THE PROPOSED SEWER SYSTEM CROSSES OR CONNECTS TO EXISTING SERVICES ALL LEVELS AND CONNECTION POINTS MUST BE CONFIRMED WITH THE ENGINEER BEFORE WORK COMMENCES.
3.0	MANHOLE COVER OPENING (PIPES UP TO 180mm) TO BE CENTRAL OVER MANPIPES ON THE DOWNWARD STREAM SIDE.
4.0	REFER TO THE DETAIL DRAWING FOR ALL RELEVANT DETAILS.
5.0	SEWER CONNECTIONS TO BE END-CAPPED AND MARKED.
6.0	CONFIRM DEPTH AND POSITION OF ALL EXISTING SERVICES WITH THE ENGINEER BEFORE CONSTRUCTION COMMENCES.
7.0	APPROPRIATE AUTHORITY OFFICIALS TO BE PRESENT WITH THE CROSSING OF OR THE CONNECTION TO ANY EXISTING SERVICE.
8.0	CONNECT TO EXISTING MANHOLES AS INDICATED ON PLAN.

SEWER SPECIFICATIONS:	
1.0	SEWER PIPES:
1.1	PIPES TO BE 100mm Ø uPVC CLASS 34 PIPES TO BE LAID ON CLASS C BEDDING.
2.0	MANHOLE COVER AND FRAMES: HEAVY DUTY DUCTILE IRON WITH WINGS IN COMPLIANCE WITH EN 124 D400. SAMPLE TO BE PROVIDED FOR APPROVAL.
3.0	CALCIMATE STEP-IRONS TO BE USED WHERE REQUIRED.
4.0	MANHOLES:
4.1	PRECAST CONCRETE RING MANHOLES AS PER DETAIL.
4.2	MANHOLES TO BE WATER TIGHT.

PROJECT:	
VAALHOEK, O'KIEP, SEWER RETICULATION NETWORK	

DRAWING TITLE:	
PROPOSED SEWER LAYOUT	

CLIENT:	
NAMA KHOI MUNICIPALITY	

DRAWING/DESIGNED BY:	
C BENEKE	

APPROVED BY:	
GA McGill, Pr Eng No. 780269	

DATE:	
2024-10-10	

SCALE:	
1:500 (A0)	

DRAWING NO:	
MC444-C904	

REVISION:	
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