



NOTES:(EXIST SERVICES)

- 1.0 THE POSITION AND LEVEL OF ALL EXISTING SERVICES TO BE CONFIRMED WITH THE ENGINEER BEFORE ANY CONSTRUCTION WORKS CAN COMMENCE.
- 2.0 THE REFERENCE PEGS GIVEN, ARE TO BE USED EXCLUSIVELY FOR THE CONSTRUCTION PROJECT.
- 3.0 THE CONTRACTOR MUST SECURE THE ABOVEMENTIONED 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 FOUND 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 SABS 1200.

SEWER NOTES:

- 1.0 FINAL MANHOLE COVER LEVELS:
 - 1.1 IN ROAD RESERVE TO TIE IN WITH THE FINAL ROAD RESERVE FRESH LEVELS AND CAMELS.
 - 1.2 OUTSIDE ROAD RESERVE 200mm HIGHER THAN FINISHED GROUND LEVELS.
- 2.0 WHERE THE PROPOSED SEWER SYSTEM CROSSES OR CONNECTS TO EXISTING SERVICES WORK COMMENCES.
- 3.0 MANHOLE COVER OPENING (PIPES UP TO 160mmØ) TO BE CENTRAL OVER MAIN PIPE 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 160mm Ø UPVC CLASS 34 PIPES TO BE LAID ON CLASS C BEDDING.
 - 2.0 MANHOLE COVER AND FRAMES HEAVY DUTY DUCTILE IRON WITH HINGE IN COMPLIANCE WITH EN 124 D400. SAMPLE TO BE PROVIDED FOR APPROVAL.
 - 3.0 CALCRATE STEP IRONS TO BE USED WHERE REQUIRED.
 - 4.1 PRECAST CONCRETE RING MANHOLES AS PER DETAIL.
 - 4.2 MANHOLES TO BE WATER TIGHT.

REVISION:		
No.	DATE	DESCRIPTION

FOR TENDER

LEGEND:

- Four Sewer Pipe Exst.
- Four Sewer MH Exst.
- Four Sewer Pipe
- Four Sewer Manhole
- Four Sewer Conn. Point
- Water Pipe - Domestic
- Water Valve
- Sewer Exst. Septic Tanks

PROJECT:
VAALHOEK, O'KIEP, SEWER RETICULATION NETWORK

DRAWING TITLE:
PROPOSED SEWER LAYOUT

CLIENT:
NAMA KHOI MUNICIPALITY
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SCALE: 1:500 (A0)

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REVISION: 1