



FSMH-4
CL=986.331
IL IN=984.93
IL OUT=984.93
DEPTH=1.40

FSMH-3
CL=987.355
IL IN=986.12
IL OUT=986.12
DEPTH=1.24

FSMH-2
CL=987.692
IL OUT=986.69
DEPTH=1.00

FSMH-1
CL=988.016
IL IN=986.48
IL OUT=986.48
DEPTH=1.54

NOTES:(EXIST SERVICES)

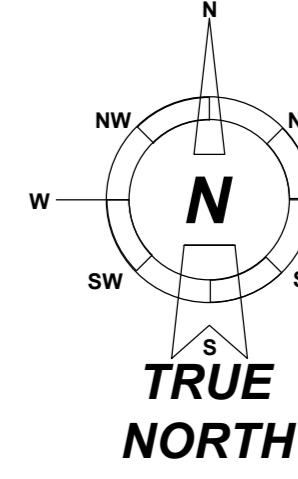
- 1.0 THE POSITION AND LEVEL OF ALL EXISTING SERVICES TO BE CONFIRMED WITH THE ENGINEER BEFORE ANY CONSTRUCTION WORKS CAN COMMENCE.
- 2.0 THE REFERENCE PEGS GIVEN ARE TO BE USED EXCLUSIVELY FOR THE CONSTRUCTION PROJECT.
- 3.0 THE CONTRACTOR MUST SECURE THE ABOVEMENTIONED REFERENCE PEGS AND TAKE THE NECESSARY 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 1000.

SEWER NOTES:

- 1.0 FINAL MANHOLE COVER LEVELS
- 1.1 IN ROAD RESERVE TO THE IN WITH THE FINAL ROAD RESERVE PAVEMENT 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 100mm) 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:
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 HINGE IN COMPLIANCE WITH EN 124 (400). SAMPLE TO BE PROVIDED FOR APPROVAL.
- 3.0 CALCARITE STRAPONS TO BE USED WHERE REQUIRED.
- 4.0 MANHOLES:
4.1 PRECAST CONCRETE RING MANHOLES AS PER DETAIL.
4.2 MANHOLES TO BE WATER TIGHT.



REVISION:		
No.	DATE	DESCRIPTION

FOR TENDER

LEGEND:

	Foul Sewer Pipe Exist.
	Foul Sewer MH Exist.
	Foul Sewer Pipe
	Foul Sewer Manhole
	Foul Sewer Conn. Point
	Water Pipe - Domestic
	Water Valve
	Sewer Exist. Septic Tanks

PROJECT:
VAALHOEK, O'KIEP,
SEWER RETICULATION
NETWORK

DRAWING TITLE
PROPOSED SEWER
LAYOUT

CLIENT

NAMA KHOI
MUNICIPALITY
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DRAWN/DESIGNED BY APPROVED BY

C BENEKE GA McGill, Pr Eng
No. 780269

DATE 2024-10-10

SCALE 1:500 (A0)

DRAWING NO MC444-C909

REVISION 1