

NOTES

1. ALL SEWERS 1.3m FROM ERF BOUNDARIES UNLESS INDICATED OTHERWISE.
2. NMBM STANDARD DETAILS JAN 2000 APPLY.
3. NMBM SEWER DESIGN REQUIREMENTS, REVISION 3, JUNE 1996 APPLY.
4. ALL SEWER PIPES ARE PVCu TYPE 1 SABS 1601 400KPa SANS 1601 INSTALLED TO NMBM SPECIFICATION.
5. ALL MANHOLES ARE PRECAST.
6. CONNECTION TO MAIN DONE BY THE CONTRACTOR UNDER SUPERVISION OF THE ENGINEER AND NMBM.
7. BENCHMARKS INSTALLED BY SURVEYOR AT CONSTRUCTION STAGE WHICH WERE VERIFIED BY THE CONTRACTOR.
8. ALL SEWERS AND MANHOLES ARE SET OUT USING THE ERF CADASTRIAL BOUNDARY PEGS AND WERE VERIFIED USING THE MANHOLE CO-ORDINATES.
9. THE EXISTING GROUND LEVELS ALONG THE CENTRE LINE OF THE SEWER WERE TAKEN AT 20m INTERVALS AND AT INTERMEDIATE CHANGES OF GRADE.
10. LEVEL OF THE TOP SURFACE OF MANHOLE COVERS ARE :
 - FOR MANHOLES WITHIN ROAD RESERVES; FLUSH WITH THE FINAL SURFACE OF THE CARRIAGEWAY, FOOTWAY OR VERGE
 - FOR MANHOLES WITHIN DEVELOPED PRIVATE OR MUNICIPAL PROPERTY; APPROXIMATELY 150mm ABOVE THE GROUND LEVEL OR FLUSH WITH ANY PAVED AREAS
 - FOR MANHOLES WITHIN UNDEVELOPED PRIVATE OR MUNICIPAL PROPERTY; APPROXIMATELY 300mm ABOVE THE GROUND LEVEL.*
11. SUBBASE QUALITY BACKFILL TO ROAD CROSSINGS EXTEND 150mm BEYOND BACK OF KERB.
12. FOR SEWER ERF CONNECTIONS, MANHOLES, RAMP & BACKDROP MANHOLES REFER TO NMBM STANDARD DETAILS JAN 2000.

LEGEND

- EXISTING 160mm Ø PVC-U TYPE 1 INTERNAL SEWER
- EXISTING POSITION OF MANHOLES
- EXISTING 200 mm Ø RISING MAIN
- EXISTING 600 mm Ø X 120m LONG ROCLA PIPE



PUMPING MAIN TO TIE INTO POINT D (SEE DRW 426-R-08)

PUMPSTATION 1

120m LONG OVERFLOW PIPE

50mm HDPE PIPE

FOR RECORD

UTSHINTSHO / AMENDMENTS			
INANI NO.	UMHLA DATE	INKCAZA DESCRIPTION	IVUNYELWE APPROVED
A	22-04-2008	REVISED CADSTRAL LAYOUT	MS
B	09-05-2008	VALVE POSITION ON 200Ø PIPE MOVED CLOSER TO NODE 22	MS

UMLINGAN-ISELO SCALE

1 : 1250

UMLINGANISELO WOMZOBO OHLISIWEYO SCALE ON REDUCED DRAWING

50mm KUMZOBO WANGAPHAMBILI
50mm ON ORIGINAL DRAWING

UMENZI DESIGN

UMZOBI DRAWN

IVUNYELWE APPROVED

UMHLA DATE

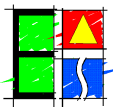
SB

CP

MS

MARCH 2007

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IVUNYELWE APPROVED

INJINELI.ENG.

UMHLA / DATE

IVUNYELWE APPROVED

UMENZELWA / CLIENT

UMHLA / DATE



I/PROJETI / PROJECT

ERF 3 AND 4 PARSONS VLEI (Sub-Phases 1,2 and 3 of PHASE 1)

UMZOBONKCAZA / DWG DESCRIPTION

SEWER RETICULATION LAYOUT

INANI LESIVUMELWANO CONTRACT NO.

INANI LOMZOBO DWG.NO.
426-R-07C

UMLINGAN-ISELO SCALE

A B