



LOCALITY PLAN
N15



Coordinate List WGS 84
SEWER NETWORK
SETTING OUT CO-ORDINATES

STRUCTURE NAME	Y	X
MH27	75 794537	2 800 900100
MH28	75 794537	2 800 900100
MH29	75 794537	2 800 900100
MH30	75 794537	2 800 900100
MH31	75 794537	2 800 900100
MH32	75 794537	2 800 900100
MH33	75 794537	2 800 900100
MH34	75 794537	2 800 900100
MH35	75 794537	2 800 900100
MH36	75 794537	2 800 900100
MH37	75 794537	2 800 900100
MH38	75 794537	2 800 900100
MH39	75 794537	2 800 900100
MH40	75 794537	2 800 900100
MH41	75 794537	2 800 900100
MH42	75 794537	2 800 900100
MH43	75 794537	2 800 900100
S1	75 794537	2 800 900100
S2	75 794537	2 800 900100
S3	75 794537	2 800 900100
S4	75 794537	2 800 900100
S5	75 794537	2 800 900100
S6	75 794537	2 800 900100
S7	75 794537	2 800 900100
S8	75 794537	2 800 900100
S9	75 794537	2 800 900100
S10	75 794537	2 800 900100
S11	75 794537	2 800 900100
S12	75 794537	2 800 900100
S13	75 794537	2 800 900100
S14	75 794537	2 800 900100
S15	75 794537	2 800 900100
S16	75 794537	2 800 900100
S17	75 794537	2 800 900100
S18	75 794537	2 800 900100
S19	75 794537	2 800 900100
S20	75 794537	2 800 900100
S21	75 794537	2 800 900100
S22	75 794537	2 800 900100
S23	75 794537	2 800 900100
S24	75 794537	2 800 900100
S25	75 794537	2 800 900100
S26	75 794537	2 800 900100
S27	75 794537	2 800 900100
S28	75 794537	2 800 900100
S29	75 794537	2 800 900100
S30	75 794537	2 800 900100
S31	75 794537	2 800 900100
S32	75 794537	2 800 900100
S33	75 794537	2 800 900100
S34	75 794537	2 800 900100
S35	75 794537	2 800 900100
S36	75 794537	2 800 900100
S37	75 794537	2 800 900100
S38	75 794537	2 800 900100
S39	75 794537	2 800 900100
S40	75 794537	2 800 900100
S41	75 794537	2 800 900100
S42	75 794537	2 800 900100
S43	75 794537	2 800 900100

- NOTES**
- ALL MATERIAL AND WORKMANSHIP MUST COMPLY WITH THE REQUIREMENTS OF THE LATEST RELEVANT SABS REQUIREMENTS. SPECIFIED.
 - ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
 - DO NOT SCALE FROM THESE DRAWINGS.
 - ALL DIMENSIONS MUST BE CHECKED AND APPROVED ON SITE.
 - ALL CONSTRUCTION TO BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR MUNICIPAL CIVIL ENGINEERING WORKS, THIRD EDITION 2005.
 - THESE DRAWINGS MUST BE READ IN CONJUNCTION WITH THE CITY OF TSHWANE STANDARD DRAWINGS.
 - THE SIGNATURE OR INITIALS ON THIS DRAWING OF ANY DIRECTOR OF THE WATER AND SANITATION DEPARTMENT, IN NO WAY REMOVES ANY RESPONSIBILITY WHATSOEVER FROM THE CONSULTANT.
 - THE CONSULTANT REMAINS RESPONSIBLE TO ENSURE THAT ALL THE GUIDELINES, STANDARD DRAWINGS, STANDARDS AND SPECIFICATIONS OF WATER AND SANITATION DEPARTMENT HAVE BEEN MET AND ARE COMPLIED WITH.
 - FINAL POSITION OF SERVICES TO BE DETERMINED ON SITE.
 - NEW PIPES SHALL BE 150 DIA PVC-U CLASS 400, TO SABS 1001 AS SHOWN ON THE LAYOUT PLAN.
 - PIPE BEDDING TO BE LIME IN ACCORDANCE TO SABS 1002.
 - BEDDING (PIPES) FOR FLEXIBLE PIPES CLASS B.
 - MIN. DEPTH OF PIPES BELOW FINAL GROUND LEVEL IS 1.2m IN MID-BLOCKS AND 1.5m IN ROAD RESERVE.
 - PIPES TO BE PLACED AT 1m FROM BOUNDARY.
 - ALL BACKFILL BELOW ROAD LAYERS TO BE 93% 100 ASHFO DENSITY.

- LEGEND**
- SEWER**
- NEW SEWER MANHOLE
 - EXISTING SEWER MANHOLE
 - NEW SEWER LAMP HOLE
 - NEW SEWER LINE
 - EXISTING SEWER LINE
 - FLOW DIRECTION
 - 1 : 100 FLOODLINE

FOR CONSTRUCTION ORIGINAL

DATE : 11/09/2017 SIGNED : [Signature]

REFERENCE DRAWINGS

NUMBER	TITLE
18516-D-SEW-1-544	SEWER BULK LINE LONG-SECTION SH 1 of 4
18516-D-SEW-1-545	SEWER BULK LINE LONG-SECTION SH 2 of 4
18516-D-SEW-1-546	SEWER BULK LINE LONG-SECTION SH 3 of 4
18516-D-SEW-1-547	SEWER BULK LINE LONG-SECTION SH 4 of 4

LOCATION OF PROJECT: **HAMMANSKRAAL WEST**

DESCRIPTION OF PROJECT: **SEWER BULK-LINE PLAN LAYOUT**

PROJECT STATUS

DESIGNED: [Signature] DATE: 11/09/2017

DRAWN: [Signature] DATE: 11/09/2017

CHECKED: [Signature] DATE: 11/09/2017

INFORMATION OFFICE CHECKED: [Signature] DATE: 11/09/2017

DESIGN OFFICE APPROVAL: [Signature] DATE: 11/09/2017

CONTRACT No. _____

PROJECT No. _____

SHEET No. 1 of 1

PAPER SIZE: A0

SCALE: 1 : 1000

DATE: 11/09/2017

PROJECT ENGINEER OF COOT:

NAME: _____ DATE: _____

INSPECTOR OF WORKS OF COOT:

NAME: _____ DATE: _____

DESIGN OFFICE APPROVAL:

NAME: _____ DATE: _____

CONSULTANT DETAIL

Nyeleti Engineers & Architects

2 Lynwood Galleries
354 Rosemary Road
Toll Free: 0800 361 3629
Tel: (012) 361 3629
Fax: (012) 361 3625

Prof Reg No: 800102
DATE: 11/09/2017

HEREBY CERTIFY THAT THE SERVICES WILL HAVE BEEN INSTALLED ACCORDING TO NOTE 9 DRAWING AND TO THE ABOVE NOTES AND TO THE DRAWING.

CONSULTANT DRAWING NUMBER: 18516-D-SEW-L06-0

AMENDMENTS

NR	DATE	APPROVED	DESCRIPTION
A	11/09/2017	FdL	ISSUE FOR REVIEW
I	22/09/2017	FdL	ISSUE FOR CONSTRUCTION

WATER AND SANITATION

DIRECTOR: WATER AND SANITATION - PLANNING

NAME	Prof. Reg. No.	SIGNATURE	DATE
REGIONAL DIRECTOR: (1,2,3,4,5,6 & 7)			
DIRECTOR: SYSTEM DEVELOPMENT			
DIRECTOR: BULK WATER			
DIRECTOR: INFRASTRUCTURE PROVISION			
DIRECTOR: WASTE WATER TREATMENT			

CITY OF TSHWANE
UTILITY SERVICES DEPARTMENT

18516-D-SEW-L06-0

WATER AND SANITATION