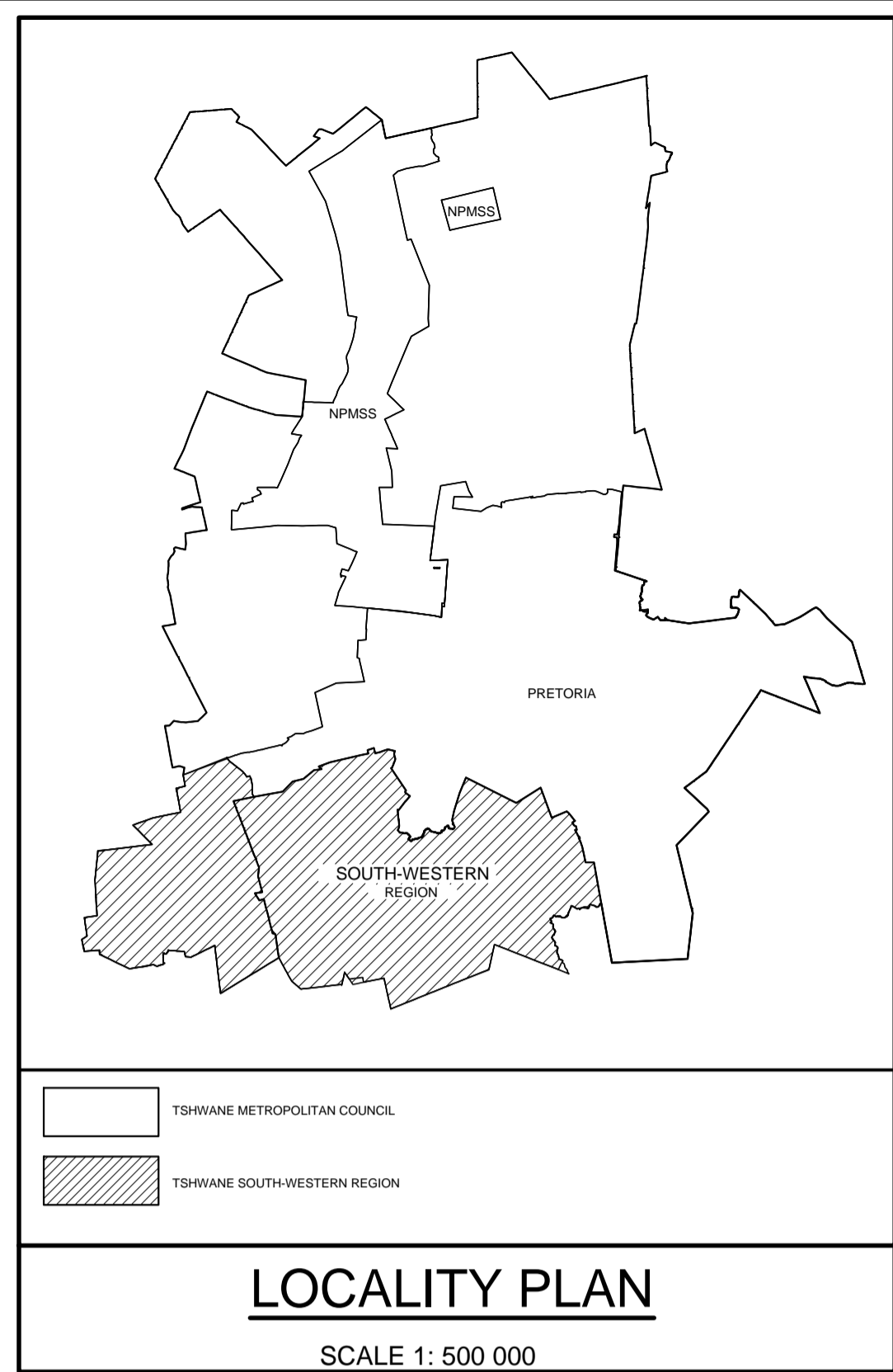


**NOTES AND SPECIFICATIONS**

- THIS DRAWING IS ONLY APPLICABLE TO THE AREA INDICATED AS THE SOUTH-WESTERN REGION OF TSHWANE.
- ALL CUL-DE-SACS MUST BE PROVIDED WITH A TURNING FACILITY. REFER TO DRAWING PLN002..
- THIS DRAWING IS NOT APPLICABLE TO THE FOLLOWING:
  - PANHANDLES
  - SECTIONAL TITLE DEVELOPMENTS
  - PRIVATE RIGHT OF WAY SERVITUDES
  - PROVIDING ACCESS TO NOT MORE THAN 2 DWELLING UNITS.
- ALL ROADS AND STORMWATER INFRASTRUCTURE IN TERMS OF THIS DRAWING MUST BE ACCORDING TO STANDARD CONSTRUCTION DETAILS AND DESIGN STANDARDS (ALL DRAWINGS IN THIS BOOK)
- ALL ERVEN EXCEPT SPECIAL RESIDENTIAL ERVEN SMALLER THAN 1500 SQUARE METERS AND PARK ERVEN MUST BE PROVIDED WITH AN UNDERGROUND STORMWATER CONNECTION.



AMENDMENTS				
NR.	DATE	APPROVED	DESCRIPTION	PAR.

DESIGNED P.A. ODENDAAL Pr.Eng.	DRAWN S. AUDIE
DESIGN CHECKED BY L.G. JOHANNES Pr. Eng.	INFRASTRUCTURE TECHNICAL INFORMATION MANAGEMENT D.J. CHALMERS

PROJECT STATUS			
<input type="radio"/> CONCEPT DRAWING	<input type="radio"/> TENDER DRAWING	<input type="radio"/> APPROVED FOR CONSTRUCTION DRAWING	<input type="radio"/> AS BUILT DRAWING

PROJECT ENGINEER (CONSULTANT)	INITIALS AND SURNAME	SIGNATURE AND Pr. No.	DATE
INSPECTOR OF WORKS (CITY OF TSHWANE)	INITIALS AND SURNAME	SIGNATURE AND Pr. No.	DATE

CONSULTANT DETAIL
-------------------

**CITY OF TSHWANE**  
ROADS AND TRANSPORT DEPARTMENT

Mr P. I. Letsoankane  
STRATEGIC EXECUTIVE DIRECTOR

Ms. L. V. Kgakakwe-Piki  
EXECUTIVE DIRECTOR

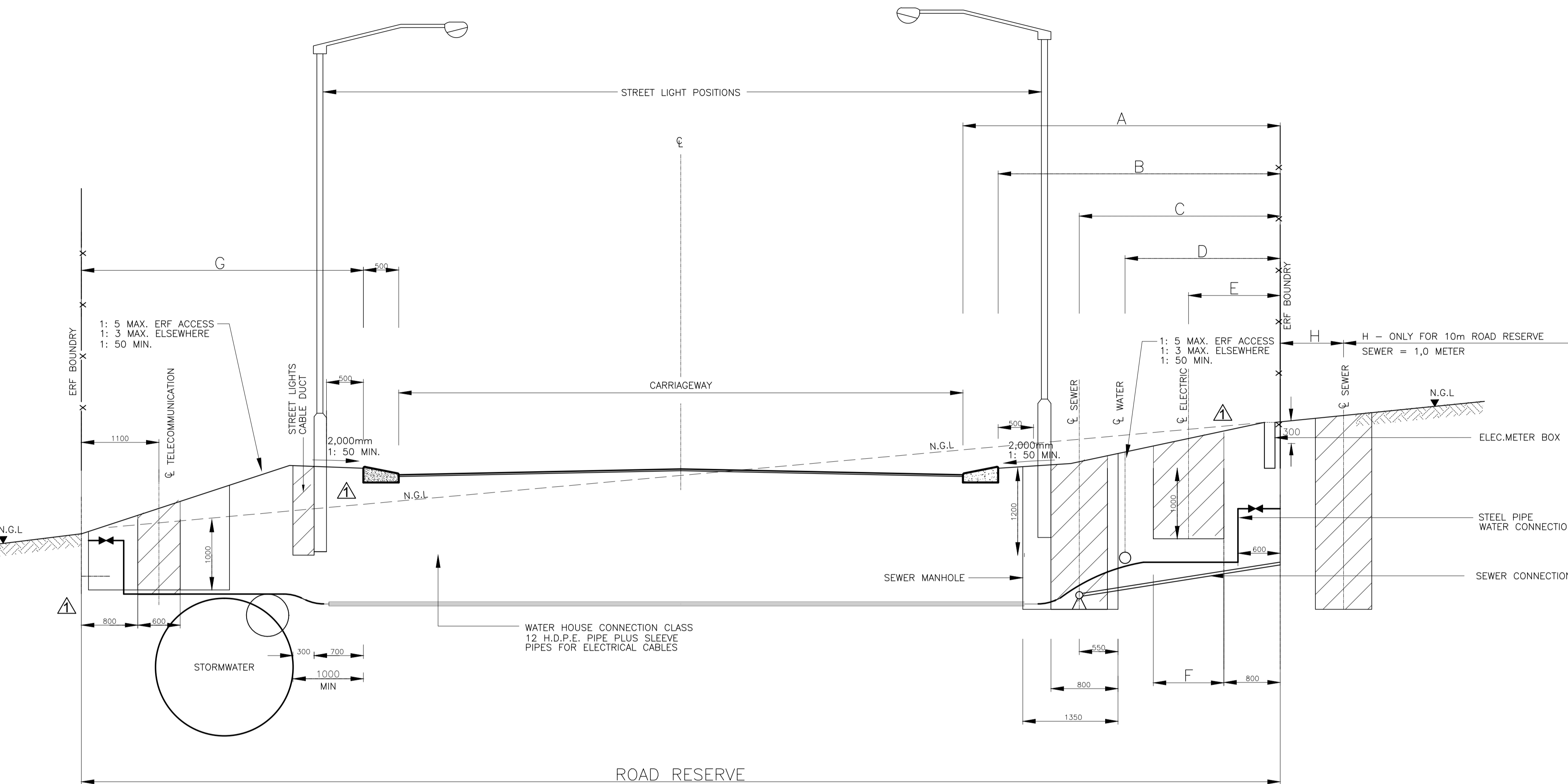
P.O. BOX 1409  
PRETORIA 0001

DRAWING APPROVED BY EXECUTIVE DIRECTOR  
Ms. L. V. Kgakakwe-Piki

**TYPICAL STANDARD DETAILS**

DESCRIPTION OF PROJECT  
**SERVICES LAYOUT:  
ROAD RESERVES APPLICABLE  
TO DOLOMITE  
AREAS OF TSHWANE.**

CONTRACT No.:	PROJECT No.:
DATE: MAY 2013	SCALE: AS SHOWN
DRAWING NO. <b>PLN001</b>	SHEET NO. 4 OF 4



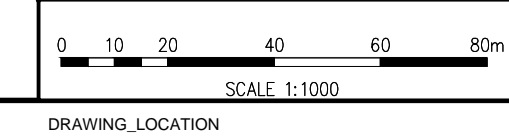
**POSITION OF SERVICES IN ROAD RESERVES**  
SCALE 1:100

DIMENSIONS FOR THE PLACING OF SERVICES IN ROAD RESERVES										
No	ROAD RESERVE	CARRIAGEWAY	A	B	C	D	E	F	G	H
1	10000	5500	-	3500	-	1800	1100	1000	2500 - 4000	1000
2	13000	5500	-	3500	2450	1800	1100	1000	2500 - 4000	
3	16000	5500	4750	4250	2850	2200	1300	1000	4250	
4	20000	7000	5000	4500	2850	2200	1300	1000	5000	
5	25000	7400	8800	8300	2850	2200	1300	1000	8800	

**NOTE:**  
ALL ERVEN MUST BE PROVIDED WITH AN UNDERGROUND STORMWATER CONNECTION, EXCEPT SPECIAL RESIDENTIAL ERVEN SMALLER THAN 1500 SQUARE METERS AND PARK ERVEN.

**NOTE:**  
THIS DRAWING IS ONLY APPLICABLE TO THE INSTALLATION OR CONSTRUCTION OF SERVICES IN NEW ROAD RESERVES.  
  
IN EXISTING ROAD RESERVES OR THE EXTENSION THERE OF THE CURRENT SERVICE CONFIGURATION MUST BE MAINTAINED.

ROADS AND STORMWATER For Internal Approval	
RECEIVED SIGNATURE APPLICABLE	
DIRECTOR: INFRASTRUCTURE PROVISION	SIGNATURE _____ DATE _____
DIRECTOR: INFRASTRUCTURE CONSTRUCTION (PROJECTS MANAGEMENT)	SIGNATURE _____ DATE _____
DIRECTOR: INFRASTRUCTURE ASSET MANAGEMENT	SIGNATURE _____ DATE _____
DIRECTOR: TRANSPORT INFRASTRUCTURE PLANNING	SIGNATURE _____ DATE _____
DIRECTOR: INTELLIGENT TRANSPORT SYSTEM AND TRAFFIC ENGINEERING	SIGNATURE _____ DATE _____
DIRECTOR: INFRASTRUCTURE MAINTENANCE MANAGEMENT (IMM)	SIGNATURE _____ DATE _____



DRAWING\_LOCATION