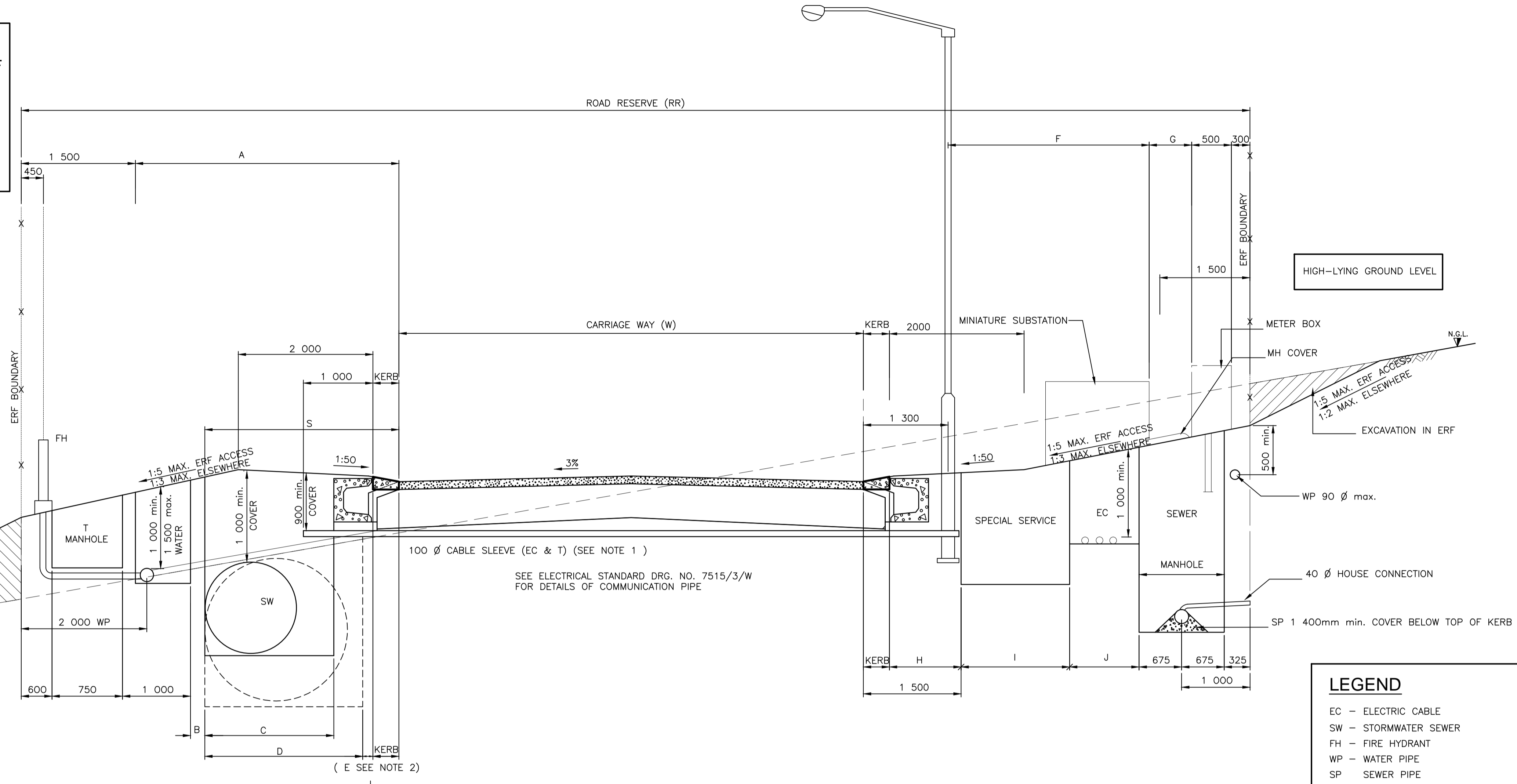


THIS DRAWING IS ONLY APPLICABLE TO THE INSTALLATION OR CONSTRUCTION OF SERVICES IN NEW ROAD RESERVES.

IN EXISTING ROAD RESERVES OR THE EXTENSION THEREOF THE CURRENT SERVICES CONFIGURATION MUST BE MAINTAINED.



POSITION OF SERVICES IN 13,0m AND WIDER ROAD RESERVES (RESIDENTIAL TOWNSHIPS)

TABLE A

ROAD CLASS	DESCRIPTION	APPLICATION	DWELLING UNITS SERVED	RECOMMENDED LENGTH	ROAD RESERVE (RR)	CARRIAGE WAY (W)	KERB	A	B	C	D	E	S	F	G	H	I	J
4a	District distributor	Link class 3 and class 5 roads.	Not applicable	Not applicable	25,000	14,000	500	4,000	850	1,200	1,800	0	2,300	700	2,700	1,000	1,000	1,325
						10,500	500	5,750	0	600	1,200	3,200	4,900	700	4,450	1,000	2,750	1,325
4b	Local distributor Major bus route	Link class 3 and class 5 roads.	400 - 1500	Not applicable	20,000	7,400	500	7,300	450	1,200	1,800	0	2,300	700	6,000	1,000	4,300	1,325
						10,500	500	3,250	100	1,200	1,800	0	2,300	700	1,950	1,000	450	1,125
5a	Residential access collector	Link class 4 and other class 5 roads	< 200	< 500m	16,000	8,000	500	4,500	1,350	1,200	1,800	0	2,300	700	3,200	1,000	1,700	1,125
						7,400	500	4,800	1,650	1,200	1,800	0	2,300	700	3,500	1,000	2,000	1,125
5b	Residential access loop	Link class 5c and lower classes to class 5a roads	< 120	300m - 500m	13,000	7,400	500	2,800	0	850	1,450	0	1,950	700	1,500	1,000	0	1,125
						6,800	500	3,100	0	1,150	1,750	0	2,250	700	1,800	1,000	100	1,325
						6,000	400	3,500	350	1,200	1,900	0	2,300	700	2,200	1,100	500	1,325
						5,500	400	2,250	0	300	1,000	0	1,400	0	1,650	1,100	0	575
						5,000	300	2,500	0	550	1,350	0	1,650	0	1,900	1,200	0	825

**NOTE:**

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

**NOTE:**

FOR SERVICES LAYOUT IN DOLOMITE AREA (SOUTH-WESTERN REGION) SEE DRAWING: PLN 001 SHEET 4 OF 4

**NOTES AND SPECIFICATIONS**

- ONLY T SLEEVES TO BE INSTALLED TO 1 000mm FROM ERF BOUNDARY.
- "E" SPACE ALLOCATED FOR FUTURE TRAFFIC LANE.
- ALL CUL-DE-SACS MUST BE PROVIDED WITH A TURNING FACILITY. REFER TO DRAWING PLN002.
- THIS DRAWING IS NOT APPLICABLE TO THE FOLLOWING:
  - SECTIONAL TITLE DEVELOPMENTS
  - PRIVATE RIGHT OF WAY SERVIDUES
  - 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 LARGER 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	<input type="radio"/> AS BUILT DRAWING

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

CONSULTANT DETAIL
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**CITY OF TSHWANE**  
ROADS AND TRANSPORT DEPARTMENT

Mr P. L. Letsoankane  
STRATEGIC EXECUTIVE DIRECTOR  
P.O. BOX 1409  
PRETORIA 0001

Ms. L. V. Kegakilwe-Piki  
EXECUTIVE DIRECTOR  
P.O. BOX 1409  
PRETORIA 0001

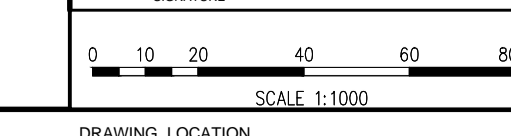
DRAWING APPROVED BY EXECUTIVE DIRECTOR  
Ms. L. V. Kegakilwe-Piki

**TYPICAL STANDARD DETAILS**

**SERVICES LAYOUT:  
13m - 25m ROAD RESERVES**

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

CONTRACT No.:	PROJECT No.:
DATE: MAY 2013	SCALE: AS SHOWN
DRAWING NO. PLN001	ORIGINAL PAPER SIZE: A1
SHEET NO. 1 OF 4	REVISION



DRAWING\_LOCATION