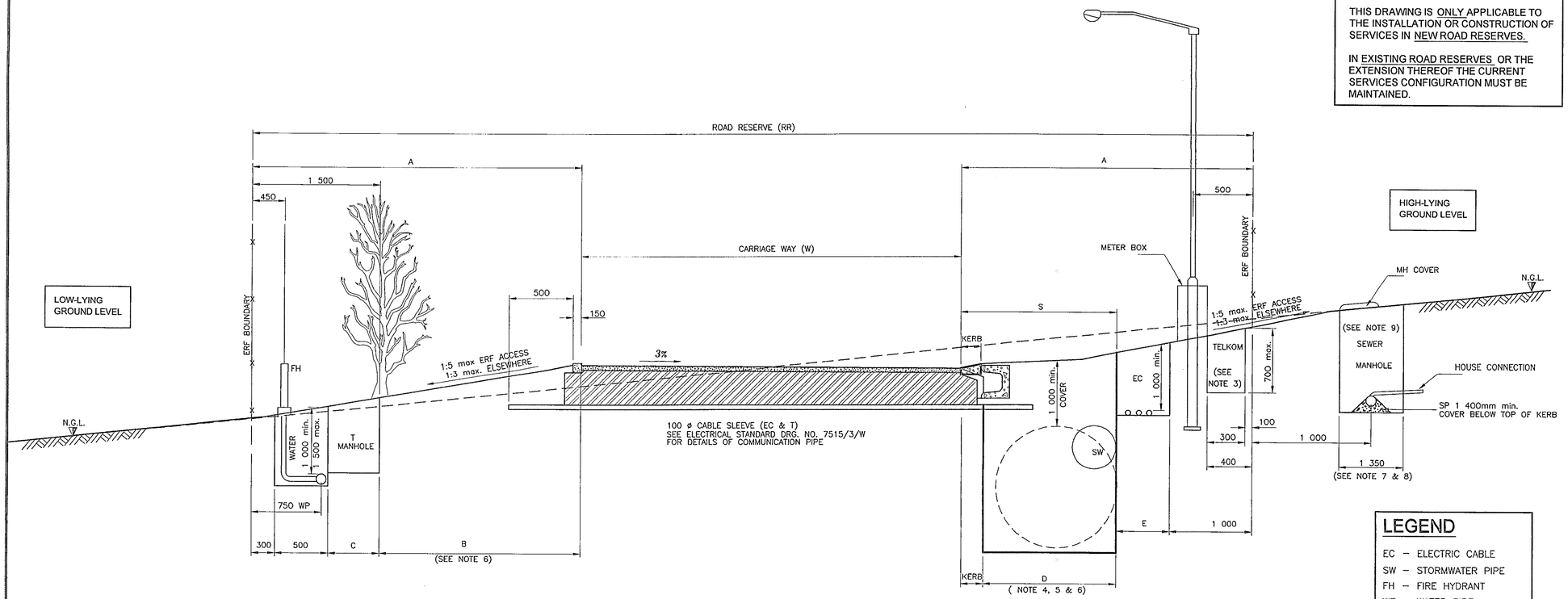

THIS DRAWING IS ONLY APPLICABLE TO THE INSTALLATION OR CONSTRUCTION OF SERVICES IN NEW ROAD RESERVES.

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

LEGEND

EC – ELECTRIC CABLE
SW – STORMWATER PIPE
FH – FIRE HYDRANT
WP – WATER PIPE
SP – SEWER PIPE
T – TELECOMMUNICATION

NOTES

1. NO MINIATURE ELECTRICAL SUBSTATIONS IN THESE ROAD RESERVES.
2. ROAD LENGTHS MUST BE RESTRICTED TO ENSURE THAT NO DWELLING UNIT IS SITUATED MORE THAN 200m FROM THE NEAREST STREET WHERE A MINIATURE SUBSTATION CAN BE PLACED.
3. SECONDARY TELCOM POSITION FOR SPECIAL CASES.
4. USUALLY NO STORMWATER LINES IN 5.0m AND 8,0m ROAD RESERVE.
5. IF THE SPACE PERMITTED FOR STORMWATER IS INADEQUATE, THE PIPE MAY BE PLACED UNDER THE KERB AND CARRAIGE WAY.
6. IF THE SIDE SLOPE OF THE ROAD IS IN THE SAME DIRECTION AS THE NATURAL GROUND LEVEL, THEN SPACE "B" MAY BE USED FOR STORMWATER PURPOSES.
7. 5,0 TO 10,0m WIDE ROAD RESERVES DOES NOT PROVIDE ROOM FOR THE PLACING OF SEWERAGE SERVICES WITHIN THE ROAD RESERVE.
8. SEWER PIPE TO BE LAID 1,0m INSIDE ERF BOUNDARY.
9. A SERVITUDE MUST BE REGISTERED OVER THE SEWER LINE (2,0m WIDE FOR A 150mm ø PIPE)
10. ALL CUL–DE–SACS MUST BE PROVIDED WITH A TURNING FACILITY. REFER TO DRAWING PLN002.
11. THIS DRAWING IS NOT APPLICABLE TO THE FOLLOWING:
    - 11.1 PANHANDLES
    - 11.2 SECTIONAL TITLE DEVELOPMENTS
    - 11.3 PRIVATE RIGHT OF WAY SERVITUDES PROVIDING ACCESS TO NOT MORE THAN 2 DWELLING UNITS.
12. 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)
13. ALL ERVEN EXCEPT SPECIAL RESIDENTIAL ERVEN LARGER THAN 1500 SQUARE METERS AND PARK ERVEN MUST BE PROVIDED WITH AN UNDERGROUND STORMWATER CONNECTION.

POSITION OF SERVICES IN 10,0m AND NARROWER ROAD RESERVES

TABLE B

ROAD CLASS	DESCRIPTION	APPLICATION	DWELLING UNITS SERVED	RECOMMENDED LENGTH	ROAD RESERVE (RR)	CARRIAGE WAY (W)	KERB	A	B	C	D	S	E
5c	Access cul–de–sac	Closed system, exit at one end only, link class 5e roads to each other and other class 5 roads.	Up to 60	150m	10,000	4,500	300	2,750	1,200	750	1,000	1,300	450
5d	Access way			50m									
5e	Access court	Place rather than a route, use with class 5d roads.	Up to 30	25m									
5f	Access strip	Access strip to a few dwelling units.	Up to 5 (Erf ≥ 400m² otherwise private connection)	Depth of 2 erven	8,000	4,500	300	1,750	200	750	0	300	450
			(Erf ≥ 400m² otherwise private connection)	Depth of 1 erven									

NOTE:

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

NOTE:

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

SHEET 2 OF 4

DECEMBER 2007

PLN001

AMENDMENTS

NR.	DATE	APPROVED	DESCRIPTION	PAR.

CITY OF TSHWANE

PUBLIC WORKS & INFRASTRUCTURE DEVELOPMENT
DR. N. LUKHWARENI
STRATEGIC EXECUTIVE DIRECTOR
P.O. BOX 1409
PRETORIA
0001

CITY OF TSHWANE

ROADS AND STORMWATER
MR. H.D. VORSTER (Pr. Eng.)
ACTING EXECUTIVE DIRECTOR:
P.O. BOX 1409
PRETORIA
0001

PUBLIC WORKS & INFRASTRUCTURE DEVELOPMENT
ROADS AND STORMWATER DIVISION

DRAWING COMPILED BY: P.A. ODENDAAL Pr.Eng.	DRAWING CHECKED & APPROVED BY: F.I. SHERIEF Pr.Eng., EXECUTIVE DIRECTOR: WATER & SANITATION
DRAWING CHECKED BY: L.G. JOHANNES Pr. Eng.	DRAWING CHECKED & APPROVED BY: B. MAHLANGU, EXECUTIVE DIRECTOR: ELECTRICITY
DRAWN BY: S. AUDIE	DRAWING CHECKED & APPROVED BY: A. VENTER, EXECUTIVE DIRECTOR:ENVIRONMENTAL MANAGEMENT
DRAUGHTING CHECKED BY: 21/11/2007 D.J. CHALMERS	DRAWING APPROVED AND ISSUED BY: 4/12/2007 H.D.VORSTER Pr.Eng., ACTING EXECUTIVE DIRECTOR: ROADS & STORMWATER

SERVICES LAYOUT:

8,0m AND 10,0m ROAD RESERVES

SCALE AS SHOWN
DATE: OCT 2007
DRAWING NUMBER: PLN001
SHEET NUMBER: 2 OF 4

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