



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.

- ### NOTES AND SPECIFICATIONS
- NO MINIATURE ELECTRICAL SUBSTATIONS IN THESE ROAD RESERVES.
 - 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.
 - SECONDARY TELCOM POSITION FOR SPECIAL CASES.
 - USUALLY NO STORMWATER LINES IN 5.0m AND 8.0m ROAD RESERVE.
 - IF THE SPACE PERMITTED FOR STORMWATER IS INADEQUATE, THE PIPE MAY BE PLACED UNDER THE KERB AND CARRIAGE WAY.
 - 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.
 - 5.0 TO 10.0m WIDE ROAD RESERVES DOES NOT PROVIDE ROOM FOR THE PLACING OF SEWERAGE SERVICES WITHIN THE ROAD RESERVE.
 - SEWER PIPE TO BE LAID 1.0m INSIDE ERF BOUNDARY.
 - A SERVITUDE MUST BE REGISTERED OVER THE SEWER LINE (2.0m WIDE FOR A 150mm Ø PIPE)
 - 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 LARGER THAN 1500 SQUARE METERS AND PARK ERVEN MUST BE PROVIDED WITH AN UNDERGROUND STORMWATER CONNECTION.

- ### LEGEND
- EC - ELECTRIC CABLE
 - SW - STORMWATER PIPE
 - FH - FIRE HYDRANT
 - WP - WATER PIPE
 - SP - SEWER PIPE
 - T - TELECOMMUNICATION

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		Up to 30	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 servitude) Up to 3 (Erf < 400m² otherwise private servitude)	Depth of 2 erven Depth of 1 erven	8,000	4,500	300	1,750	200	750	0	300	450

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

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 (REVISED)	<input type="radio"/> AS BUILT DRAWING
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PROJECT ENGINEER (CONSULTANT)	INITIALS AND SURNAME	SIGNATURE AND P. No.	DATE
INSPECTOR OF WORKS (CITY OF TSHWANE)	INITIALS AND SURNAME	SIGNATURE AND P. No.	DATE

CONSULTANT DETAIL

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CITY OF TSHWANE
ROADS AND TRANSPORT DEPARTMENT

Mr P. I. Letsoikane
STRATEGIC EXECUTIVE DIRECTOR
P.O. BOX 1409
PRETORIA 0001

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

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

SIGNATURE: _____ DATE: _____

LOCATION OF PROJECT:
TYPICAL STANDARD DETAILS

DESCRIPTION OF PROJECT:
**SERVICES LAYOUT:
8,0m AND 10,0m ROAD RESERVES**

CONTRACT No.:	PROJECT No.:
DATE: MAY 2013	SCALE: AS SHOWN
DRAWING NO. PLN001	SHEET NO. 2 OF 4

ROADS AND STORMWATER

For Internal Approval

RECEIVED
SIGNATURES APPLICABLE

DIRECTOR: INFRASTRUCTURE PLANNING

DIRECTOR: INFRASTRUCTURE CONSTRUCTION (PROJECT) MANAGEMENT

DIRECTOR: INFRASTRUCTURE ASSET MANAGEMENT

DIRECTOR: TRANSPORT INFRASTRUCTURE PLANNING

DIRECTOR: INTELLIGENT TRANSPORT SYSTEM AND TRAFFIC ENGINEERING

DIRECTOR: INFRASTRUCTURE MAINTENANCE MANAGEMENT (BIM)

SCALE: 1:1000