



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

POSITION OF SERVICES IN 13m - 25m ROAD RESERVES (RESIDENTIAL TOWNSHIPS)

ROAD CLASS	DESCRIPTION	APPLICATION	DWELLING UNITS SERVED	RECOMMENDED LENGTH	ROAD RESERVE (RR)	CARRIAGE WAY (W)	KERB	A	B	C	D	E	F
4a	District distributor	Link class 3 and class 5 roads.	Not applicable	Not applicable	25,000	14 000	500	5 500	700	2 700	1 000	1 000	1 325
	10 500					500	7 250	700	4 450	1 000	2 750	1 325	
	7 400					500	8 800	700	6 000	1 000	4 300	1 325	
4b	Local distributor Major bus route	Link class 4 and other class 5 roads.	400 - 1500	Not applicable	20,000	10 500	500	4 750	700	1 950	1 000	450	1 125
	8 000					500	6 050	700	3 200	950	1 750	1 125	
	7 400					500	6 300	700	3 500	1 000	2 000	1 125	
5a	Residential access collector	Link class 5c and lower classes to class 5a roads	< 200	< 500m	13,000	7 400	500	4 300	700	1 500	1 000	0	1 125
	6 800					500	4 600	700	1 800	1 000	100	1 325	
	6 000					400	5 000	700	2 200	1 100	500	1 325	
5b	Residential access loop	Link class 5c and lower classes to class 5a roads	< 200	300m - 500m	13,000	5 500	400	3 750	0	1 650	1 000	0	675
	5 000					300	4 000	0	1 900	1 200	0	825	

**GENERAL NOTES**

1. ALL CUL - DE - SACS MUST BE PROVIDED WITH A TURNING FACILITY.
2. ALL ROADS AND STORMWATER INFRASTRUCTURE IN TERMS OF THIS DRAWING MUST BE ACCORDING TO STANDARD CONSTRUCTION DETAILS AND DESIGN STANDARD (ALL DRAWINGS IN THIS BOOK)
3. ALL ERVEN EXCEPT SPECIAL RESIDENTIAL ERVEN SMALLER THAN 1500 SQUARE METERS AND PARK ERVEN MUST BE PROVIDED WITH AN UNDERGROUND STORMWATER CONNECTION.

**SPECIAL NOTES**

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.



**City of Ekurhuleni**  
WATER AND SANITATION DEPARTMENT

AMENDMENTS			
NR	DATE	APPROVED	DESCRIPTION

**WATER AND SANITATION**  
APPROVED ON BEHALF OF:  
OPERATIONS DIVISION

NAME:..... PROF REG No:.....  
SIGNATURE:..... DATE:.....

**PROJECTS DIVISION**

NAME:..... PROF REG No:.....  
SIGNATURE:..... DATE:.....

**PLANNING DIVISION**

NAME:..... PROF REG No:.....  
SIGNATURE:..... DATE:.....

DESIGNED

NAME:.....  
SIGNATURE:..... DATE:.....

DRAWN

NAME:.....  
SIGNATURE:..... DATE:.....

APPROVED

NAME:..... PROF REG No:.....  
SIGNATURE:..... DATE:.....

CONSULTANT DRAWING NUMBER

REVISION

CONTRACT No. ....

PROJECT No. ....

SHEET No. ....

PAPER SIZE A1

SCALE

PROJECT TITLE  
**STANDARD GUIDELINE DRAWINGS**

DRAWING TITLE  
**STANDARD DRAWING: SERVICES LAYOUT  
13m - 25m ROAD RESERVES**

CoE DRAWING NUMBER  
**STD-SL-002**

REVISION