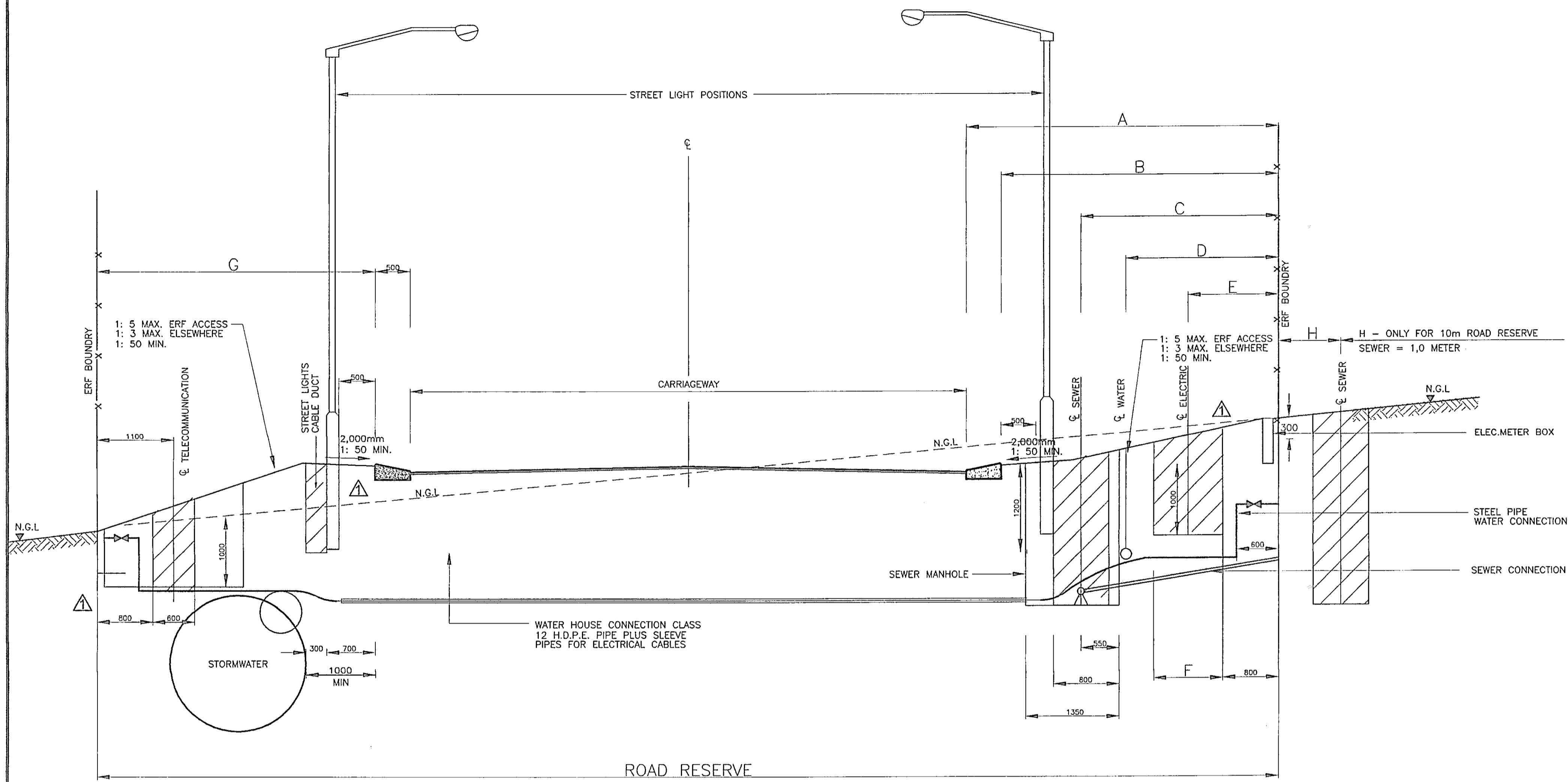
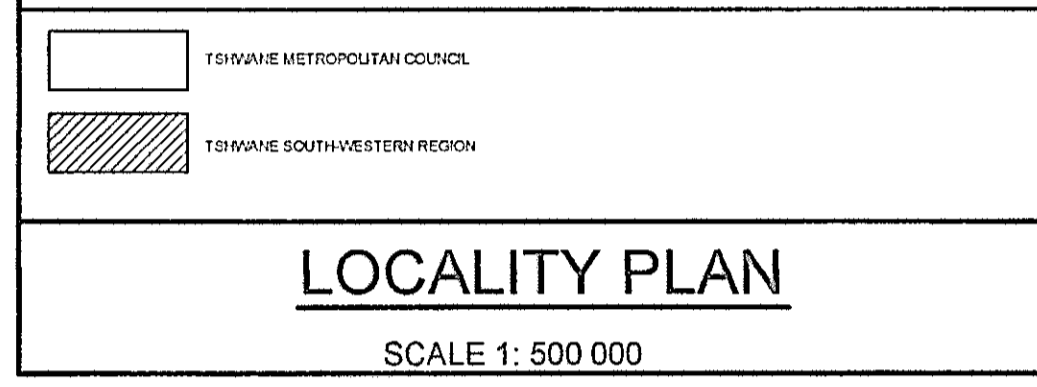
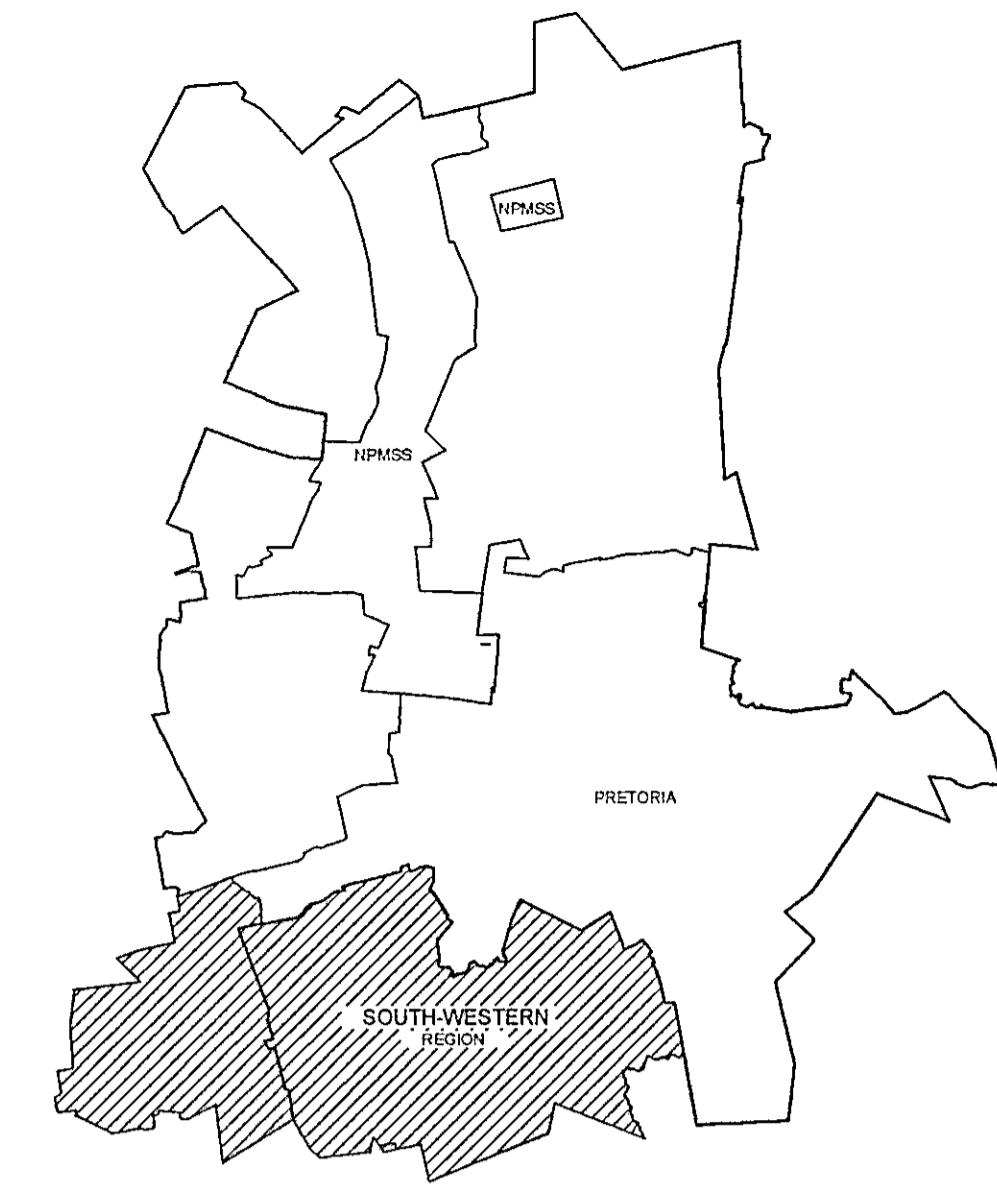


NOTES AND SPECIFICATIONS

1. THIS DRAWING IS ONLY APPLICABLE TO THE AREA INDICATED AS THE SOUTH-WESTERN REGION OF TSHWANE.
2. ALL CUL-DE-SACS MUST BE PROVIDED WITH A TURNING FACILITY. REFER TO DRAWING PLN002.
3. THIS DRAWING IS NOT APPLICABLE TO THE FOLLOWING:
 - 3.1 PANHANDLES
 - 3.2 SECTIONAL TITLE DEVELOPMENTS
 - 3.3 PRIVATE RIGHT OF WAY SERVITUDES PROVIDING ACCESS TO NOT MORE THAN 2 DWELLING UNITS.
4. 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)
5. ALL ERVEN EXCEPT SPECIAL RESIDENTIAL ERVEN SMALLER THAN 1500 SQUARE METERS AND PARK ERVEN MUST BE PROVIDED WITH AN UNDERGROUND STORMWATER CONNECTION.



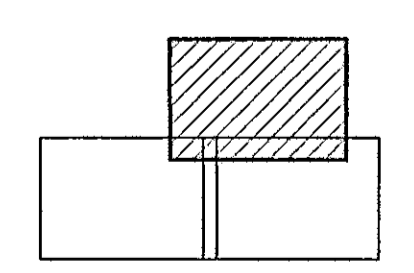
POSITION OF SERVICES IN ROAD RESERVES
SCALE 1:100

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

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.



SHEET LAYOUT

PROJECT STATUS

CONCEPT DRAWING	INDEX DRAWING	PROVISIONAL COORDINATION DRAWING	AS BUILT DRAWING
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PROJECT ENGINEER: _____ DATE: _____		INSPECTOR OF WORKS: _____ DATE: _____	
REMARKS:		ORIGINAL PAPER SIZE: A1	
DRAWING NO: PLN001		SHEET NO: 4 OF 4	

AMENDMENTS				
NR.	DATE	APPROVED	DESCRIPTION	PAR.
1	JULY 2010	T. HILDER	POSITION MET SERVICES (WATER & SANITATION) TO HIGHER GROUND IN ROAD RESERVE.	1/1

CONSULTANTS DETAIL	
Mr L. N. Mangu STRATEGIC EXECUTIVE DIRECTOR	Ms L. Mchunu EXECUTIVE DIRECTOR

CITY OF TSHWANE
TRANSPORT AND ROADS DEPARTMENT
ROADS AND STORMWATER DIVISION

Mr L. N. Mangu
STRATEGIC EXECUTIVE DIRECTOR

Ms L. Mchunu
EXECUTIVE DIRECTOR

P.O. BOX 1409
PRETORIA
0001

S. AUDIE
CIVIL ENGINEERING SERVICES
D.J. CHALMERS
DATE: 08/07/2010

M.S.L. MCHUNU
DATE: 13/07/2010

LOCATION OF PROJECT: TSHWANE SOUTH-WESTERN REGION

DESCRIPTION OF PROJECT: TYPICAL STANDARD DETAILS

SERVICES LAYOUT:
ROAD RESERVES APPLICABLE TO SOUTH-WESTERN REGION OF TSHWANE.

CONTRACT NO.: _____ PROJECT NO.: _____ SCALE: AS SHOWN DATE: JULY 2010