

APPENDIX TWO

DETAILED OBJECTIVES PER FUNCTIONAL AREA FOR THE KSIPP (GPG, 1999b)

Table 1: Detailed Objectives for Engineering Services

Phase	Water	Sewerage	Roads and Storm water	Refuse Removal	Transport	Electricity and Public Lighting	Postal Services and Telecommunication
Phase One Health & Safety	<ul style="list-style-type: none"> Undertake emergency repairs to existing system to secure a supply of water to all areas Provide emergency services to informal settlements Establish a maintenance management plan and train and equip maintenance teams with clear organisational structures and well defined areas of responsibility 	<ul style="list-style-type: none"> Repair major blockages (those creating health hazards) in existing pipes and pump stations Provide temporary emergency sanitation in informal settlements by using the most cost effective method acceptable to the community Initiate a community awareness programme Establish a maintenance plan and train and equip maintenance teams with a clear organisational structure and well defined areas of responsibility 	<ul style="list-style-type: none"> Clear debris from all roads and undertake necessary repairs to make the roads usable Open existing storm water drains and clear existing catchpits and major underground culverts to ensure that storm runoff can be accommodated Establish a management plan for roads and storm water drains and train and equip maintenance teams with clear organisational structures and well defined areas of responsibility 	<ul style="list-style-type: none"> Establish municipal refuse removal system to collect street refuse and empty bulk containers on a regular basis Undertake a general cleanup of the area 	<ul style="list-style-type: none"> Reinstate normal rail commuter service to all areas Undertake emergency repairs to taxi ranks, train stations and bus stops where essential for operations 	<ul style="list-style-type: none"> Repair existing high mast lights Secure electrical supplies to public facilities Establish, equip and train maintenance teams 	<ul style="list-style-type: none"> Install SOS telephone system linked to the CCs Re-establish telephone service to all public buildings Reconnect telephones of present subscribers
Phase Two Repair & Rehabilitate	<ul style="list-style-type: none"> Repair existing reticulation pipes to ensure a continuous supply of water and secure supply to all public facilities 	<ul style="list-style-type: none"> Clean existing lines to prevent blockages, repair pumps and broken pipes and replace missing manhole covers with concrete manhole covers 	<ul style="list-style-type: none"> Repair all surfaced roads, grade and re-gravel major or collector roads where necessary Clear existing storm water reticulation system and institute localised repairs and improvements 	<ul style="list-style-type: none"> Obtain agreement with the community regarding the level and method of the services to be provided; identify opportunities for community involvement in refuse removal 	<ul style="list-style-type: none"> Improve taxi ranks and bus stops Provide ablution facilities at stations and major taxi and bus termini Implement maintenance programmes 	<ul style="list-style-type: none"> Repair and operationalise the existing domestic electricity network Re-connect all private households Public lighting to be provided in public and unsafe areas Install area lighting in informal settlements and new extensions 	<ul style="list-style-type: none"> Establish mobile post boxes Install new public telephones or phone shops

Phase	Water	Sewerage	Roads and Storm water	Refuse Removal	Transport	Electricity and Public Lighting	Postal Services & Telecommunication
<p>Phase Three Upgrade & Construct New Services</p>	<ul style="list-style-type: none"> Upgrade all bulk services to supply ultimate demand for existing areas and planned new developments in terms of a master plan Upgrade connector services to supply ultimate demand and provide adequate water pressure to all sites Construct internal reticulation network and upgrade existing networks by replacing midblock mains with new reticulation in road reserves where necessitated by conditions of mains Connect all houses to reticulation at a minimum of one tap per household 	<ul style="list-style-type: none"> Upgrade outfall sewers capable of handling ultimate flows; install relief sewers where necessary Eliminate pump stations where practical and upgrade internal collector sewers to handle ultimate flow Construct all internal reticulation and upgrade existing reticulation All houses connected to waterborne reticulation and one toilet per household 	<ul style="list-style-type: none"> Upgrade the primary road system Implement a street naming programme using kerbstones Upgrade traffic signs and road markings Re-gravel and re-grade gravel collector roads Upgrade existing access roads Construct major/bulk storm water system Clean and repair balance of storm water system Upgrade and surface secondary roads Upgrade all other gravel roads where necessary Provide additional access roads where high priority exists Construct storm water collectors Surface all other roads with an acceptable surface Provide additional access roads Provide additional storm water drains when all roads have been surfaced 	<ul style="list-style-type: none"> Provide all households with refuse bins Provide house to house service Establish street cleaning teams Undertake community awareness programme Establish mini waste disposal sites where necessary Create opportunities for the collection and sale of recyclable items, accessible to all 	<ul style="list-style-type: none"> Establish additional taxi working groups and streamline existing bodies Upgrade existing facilities Provide additional facilities in terms of national norms 	<ul style="list-style-type: none"> Upgrade bulk supply to the area in view of rapid future development Supply all informal settlements with electricity Provide public lighting to priority areas such as stations, public areas and areas that are a stability threat Provide all households and business structures with electricity Provide adequate public lighting to all areas 	<ul style="list-style-type: none"> Implement a full postal service in line with national programme Increase telephone system's capacity for individual subscribers by installing cabling and interchanges Install sufficient telephone capacity for any subscriber to obtain service when required