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Critical pragmatism in planning : The case of the Kathorus Special Integrated Presidential Project in South Africa

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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	• 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	• 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	• 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	• Establish municipal refuse removal system to collect street refuse and empty bulk containers on a regular basis • Undertake a general cleanup of the area	• Reinstate normal rail commuter service to all areas • Undertake emergency repairs to taxi ranks, train stations and bus stops where essential for operations	• Repair existing high mast lights • Secure electrical supplies to public facilities • Establish, equip and train maintenance teams	• 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	• Repair existing reticulation pipes to ensure a continuous supply of water and secure supply to all public facilities	• Clean existing lines to prevent blockages, repair pumps and broken pipes and replace missing manhole covers with concrete manhole covers	• 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	• Obtain agreement with the community regarding the level and method of the services to be provided; identify opportunities for community involvement in refuse removal	• Improve taxi ranks and bus stops • Provide ablution facilities at stations and major taxi and bus termini • Implement maintenance programmes	• Repair and operation-alise 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	• 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
Phase Three Upgrade & Construct New Services	• 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	• 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	• 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	• 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	• Establish additional taxi working groups and streamline existing bodies • Upgrade existing facilities • Provide additional facilities in terms of national norms	• 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	• 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