

# A. STANDARD CONSTRUCTION DETAILS FOR ROADS AND STORMWATER DRAINAGE SYSTEMS

## LIST OF DRAWINGS

DRAWING NUMBER	NAME OF DRAWING	SHEET NUMBER	SHEET NAME
STD-001	Contract nameboard	Sheet 1 of 1	Contract nameboard
		Sheet 2 of 2	Wayleave nameboard
STD-002	Typical stormwater and kerb layout	Sheet 1 of 1	Typical stormwater and kerb layout
STD-003	Catchpit details	Sheet 1 of 2	Isometric view and cross sections
		Sheet 2 of 2	Detail of steel frame and precast cover slabs
STD-004	Junction box and manhole details	Sheet 1 of 7	Typical junction box configuration and cover slab detail
		Sheet 2 of 7	Type A junction box
		Sheet 3 of 7	Type B junction box
		Sheet 4 of 7	Type C junction box
		Sheet 5 of 7	Type D junction box
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		Sheet 7 of 7	Junction box and Manhole details
STD-005	Stormwater inlet and outlet structures	Sheet 1 of 2	Field inlet and stormwater outlet
STD-006	Typical cross sections	Sheet 1 of 1	Road reserve, stormwater pipeline and furrow
STD-007	Kerbing details	Sheet 1 of 2	Sloping kerb, semi-vertical kerb and edge beam
		Sheet 2 of 2	Transition sections and vehicle entrance
STD-008	Walkways and cycle tracks	Sheet 1 of 1	Walkways and cycle tracks
STD-009	Pedestrian ramps	Sheet 1 of 1	Pedestrian ramps for the disabled
STD-010	Concrete pavement details for road construction	Sheet 1 of 1	Concrete pavement details for road construction
STD-011	Handrails / ballustrade and bollards	Sheet 1 of 1	Steel handrail / ballustrade , post and rail timber ballustrade, concrete bollards and steel bollards.
STD-012	Erosion protection measures	Sheet 1 of 1	Armorflex lining details
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STD-014	Fences and gates	Sheet 1 of 1	Diamond mesh fencing
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STD-015	Bus and taxi bays	Sheet 1 of 1	Geometrical layout and details
STD-016	Traffic calming measures	Sheet 1 of 7	Typical speedhump detail and Roadmarking details
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		Sheet 3 of 7	Mini-circle details (1)
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		Sheet 6 of 7	Mini-circle details (4)
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STD-017	Road and surface drainage details for low-cost development	Sheet 1 of 4	Road cross-section and typical layer works
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STD-019	Traffic signal	Sheet 1 of 4	General layout, inductive loops and trenching
		Sheet 2 of 4	Poles and signal heads
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STD-020	Parking Bays	Sheet 1 of 1	Typical layout of parking bays
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### NOTES AND SPECIFICATIONS

AMENDMENTS				
NR.	DATE	APPROVED	DESCRIPTION	PAR.

DESIGNED D.VILJOEN SIGNATURE: _____ DATE: _____	DRAWN S. AUDIE SIGNATURE: _____ DATE: _____
DESIGN CHECKED BY J.M. CRONJE SIGNATURE: _____ DATE: _____	INFRASTRUCTURE TECHNICAL INFORMATION MANAGEMENT D.J. CHALMERS SIGNATURE: _____ DATE: _____

**PROJECT STATUS**

CONCEPT DRAWING    
 TENDERS DRAWING    
 APPROVED FOR CONSTRUCTION DRAWING    
 AS BUILT DRAWING

PROJECT ENGINEER (CONSULTANT)  
 INITIALS AND SURNAME \_\_\_\_\_ SIGNATURE AND Pr. No. \_\_\_\_\_ DATE \_\_\_\_\_  
 INSPECTOR OF WORKS (CITY OF TSHWANE)  
 INITIALS AND SURNAME \_\_\_\_\_ SIGNATURE AND Pr. No. \_\_\_\_\_ DATE \_\_\_\_\_

CONSULTANT DETAIL

**CITY OF TSHWANE**  
**ROADS AND TRANSPORT DEPARTMENT**

Mr. P. I. Letonkane     Ms. L. V. Kegakile-Piki  
 STRATEGIC EXECUTIVE     EXECUTIVE DIRECTOR  
 DIRECTOR     EXECUTIVE DIRECTOR  
 P.O. BOX 1409     P.O. BOX 1409  
 PRETORIA     PRETORIA  
 0001     0001

DRAWING APPROVED BY EXECUTIVE DIRECTOR  
 Ms. L. V. Kegakile-Piki  
 SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

## TYPICAL STANDARD DETAILS

## LIST OF DRAWINGS

**ROADS AND STORMWATER**  
 For Internal Approval  
 RECEIVED  
 SIGN WHEN APPLICABLE

DIRECTOR: INFRASTRUCTURE PROVISION  
 SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

DIRECTOR: INFRASTRUCTURE CONSTRUCTION (PROJECT) MANAGEMENT  
 SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

DIRECTOR: INFRASTRUCTURE ASSET MANAGEMENT  
 SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

DIRECTOR: TRANSPORT INFRASTRUCTURE PLANNING  
 SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

DIRECTOR: INTELLIGENT TRANSPORT SYSTEM AND TRAFFIC ENGINEERING  
 SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

DIRECTOR: INFRASTRUCTURE MAINTENANCE MANAGEMENT (IMM)  
 SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

CONTRACT No. : \_\_\_\_\_ PROJECT No. : \_\_\_\_\_

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SCALE 1:1000

DRAWING LOCATION