



LEGEND

- 50 YEAR FLOODLINE
- 100 YEAR FLOODLINE
- WETLAND BUFFER
- WETLAND
- STORMWATER CANAL
- TOWNSHIP BOUNDARY
- NEW ROADS
- 3m SERVITUDE
- EXISTING STORMWATER
- NEW STORMWATER
- NEW JUNCTION BOX
- NEW MANHOLE
- NEW KERB INLET
- NEW STORMWATER OUTLET
- NEW PIPE END - BRICKED UP
- FUTURE STORMWATER
- TEMPORARY STORMWATER BERM

NOTES AND SPECIFICATIONS

- GENERAL**
- ALL CONSTRUCTION TO BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR MUNICIPAL CIVIL ENGINEERING WORKS, THIRD EDITION 2005. (UNLESS ANOTHER SPECIFICATION IS SPECIFIED IN THE CONTRACT)
 - ALL DIMENSIONS ARE IN METERS (UNLESS OTHERWISE SPECIFIED)
 - DO NOT SCALE FROM THESE DRAWINGS
 - ALL DIMENSIONS MUST BE VERIFIED ON SITE
 - ALL THE SERVICES ARE SCHEMATIC AND MUST BE EXPOSED TO DETERMINE THEIR POSITION BEFORE CONSTRUCTION CAN COMMENCE
 - SERVICES INSIDE THE WORK AREA TO BE IDENTIFIED AND THE SERVICE OWNERS CONTACTED, AS PER THE PROJECT SPECIFICATIONS
 - THE LATEST STANDARD DRAWINGS OF COI ARE APPLICABLE TO THE WORKS
 - TRAFFIC CONTROL MUST COMPLY WITH THE REQUIREMENTS OF THE SOUTH AFRICAN ROAD TRAFFIC SIGNS MANUAL (THIRD EDITION)
 - DURING CONSTRUCTION THE CONTRACTOR SHALL PREPARE TRAFFIC ACCOMMODATION DETAILS TO SUIT HIS WORKING METHODS TO BE AGREED WITH THE ENGINEER
 - ALL KERBING, TRANSITION SECTIONS AND PEDESTRIAN RAMP ACCORDING TO COI DETAIL DRAWINGS AND PRECAST SECTIONS SHALL CONFORM TO SANS 927
 - ALL PRECAST TACTILE BLOCKS SHALL CONFORM TO SANS 784
- STORMWATER:**
- OUTSIDE EDGE OF STORMWATER PIPES TO BE 1.65m FROM ROAD EDGES IN 13m ROAD RESERVES AND 2.3m IN 16m & 20m ROAD RESERVES. IN TITANIUM STREET THE OUTSIDE EDGE OF STORMWATER PIPE IS TO BE 4.5m FROM THE ROAD EDGE.
 - ALL PIPES TO BE PRECAST REINFORCED CONCRETE WITH INTERLOCKING JOINTS (OGE) IN ACCORDANCE WITH SANS 677.
 - CONCRETE PRECAST SECTIONS TO CONFORM TO SABS 927-1969 SPECIFICATIONS.
 - ALL STORMWATER PIPES TO BE 450mm DIA / CLASS 100D UNLESS OTHERWISE SHOWN (EG. 525mm/75D - 525mm DIA/CLASS 75D)
 - PIPE BEDDING TO BE CLASS B UNLESS OTHERWISE SPECIFIED
 - ALL KERB INLETS TO BE 2.5m LONG INCLUDING LOW POINT KERB INLETS UNLESS OTHERWISE SHOWN
 - STORMWATER PIPES TO HAVE A MINIMUM SLOPE OF 0.667% 1:150 UNLESS OTHERWISE SHOWN
 - STORMWATER PIPES TO HAVE A MINIMUM COVER OF 1000mm AND 600mm IN ROAD RESERVES AND ERVEN RESPECTIVELY.
 - JUNCTION BOX COVERS TO BE 300mm BELOW NATURAL GROUND LEVEL.
 - ALL PIPES TO BE LAID SOFFIT TO SOFFIT AT JUNCTION BOXES.
 - STORMWATER PIPES TO HAVE A MINIMUM COVER OF 1000mm AND 600mm IN ROAD RESERVES AND ERVEN RESPECTIVELY.
 - MANHOLES MUST BE IN ACCORDANCE WITH STANDARD DETAIL DRAWINGS AND EQUIPPED WITH MEDIUM DUTY PRECAST CONCRETE COVERS AND FRAMES (SABS TYPE 4). MANHOLES IN THE CARRIAGEWAY MUST BE EQUIPPED WITH HEAVY DUTY CAST IRON COVERS AND FRAMES (TYPE 2A) (SECUREX OR SIMILAR APPROVED)
 - JUNCTION BOXES, MANHOLES, KERB INLETS & OUTLET STRUCTURES MUST BE BUILT ACCORDING TO CTMM STANDARD DETAIL DRAWINGS.
 - KERBS AND TRANSITION SECTIONS MUST BE BUILT ACCORDING TO THE CTMM DRAWINGS. DRAWING NUMBER: STD-1007 SHEET 1 AND 2
 - ALL LEVELS OF EXISTING SERVICES ARE TO BE CHECKED AND VERIFIED ON SITE AND SUBMITTED TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF THE CONSTRUCTION.
 - ALL EXCAVATIONS AND BEDDING MUST BE INSPECTED AND APPROVED BY THE ENGINEER BEFORE THE LAYING OF PIPES MAY COMMENCE.
 - CLEAN EXISTING STORMWATER INLETS AND REPAIR WHERE NECESSARY (IF APPLICABLE)
 - FOR ALL STORMWATER PIPES REFER TO LONGITUDINAL SECTIONS FOR SIZES, CO-ORDINATES AND INVERT LEVELS.

AMENDMENTS

NR.	DATE	APPROVED	DESCRIPTION	PAR.
0	17-10-2018	M.J. v JAARSVELD	ISSUED FOR CONSTRUCTION	-
1	11-03-2019	M.J. v JAARSVELD	LAYOUT REVISED	-
2	11-04-2019	M.J. v JAARSVELD	ROAD CROSSFALL IN PRUSSIAN BLUE STREET REVISED	-

DESIGNED M.J. v JAARSVELD
DRAWN B. PIETERSE
DESIGN CHECKED BY M.J. v JAARSVELD
INFRASTRUCTURE TECHNICAL INFORMATION MANAGEMENT

PROJECT STATUS

PROJECT ENGINEER (CONSULTANT)	PROJECT ENGINEER (CITY OF TSHWANE)	STRUCTURAL ENGINEER (CITY OF TSHWANE)	OFFICIAL REPRESENTATIVE (CITY OF TSHWANE)
M.J. v JAARSVELD 201107072			

CONSULTANT DETAIL

CIVIL CONCEPTS
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CITY OF TSHWANE
 ROADS AND TRANSPORT DEPARTMENT

GROUP HEAD: MR LETLONKANE P. (PHEKO)
 ACT. DIVISIONAL HEAD: MR LEBEPE M.T. (THABO)

KLERSOORD EXT. 28

STORMWATER LAYOUT PLAN

WAYLEAVE NUMBER: WL1718-2447

CONTRACT NO: C756/1	PROJECT NO: C756
DATE: DECEMBER 2017	SCALE: 1:1000
DRAWING NO: C756-920-001	SHEET NO: 1 OF 1

