

**NOTES AND SPECIFICATIONS**

**GENERAL**

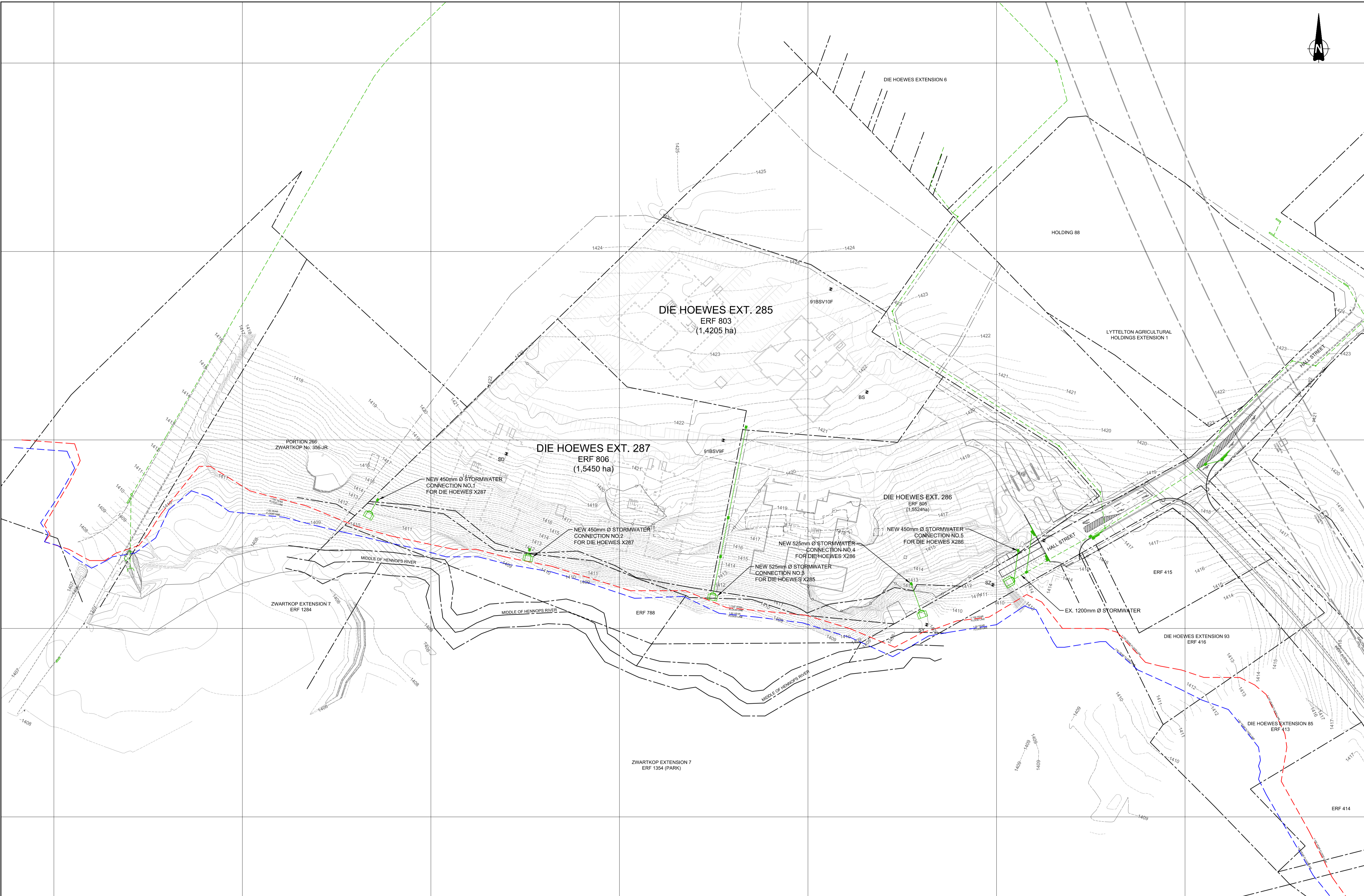
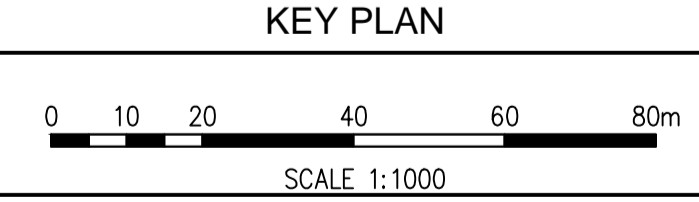
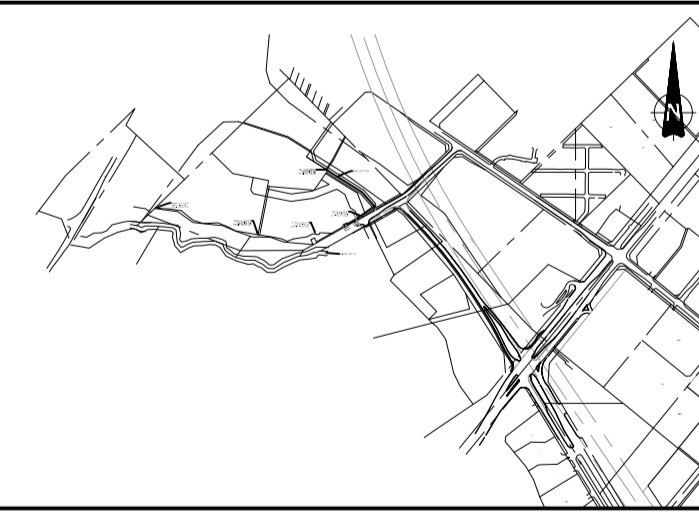
- 1 ALL MATERIAL AND WORKMANSHIP MUST COMPLY WITH THE REQUIREMENTS OF THE LATEST RELEVANT SABS REQUIREMENTS.
- 2 ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS OTHERWISE SPECIFIED.
- 3 DO NOT SCALE FROM THESE DRAWINGS.
- 4 ALL DIMENSIONS MUST BE CHECKED AND APPROVED ON SITE.
- 5 ALL CONSTRUCTION TO BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR MUNICIPAL CIVIL ENGINEERING WORKS, THIRD EDITION 2005 AND THE STANDARD CTMM DETAIL DRAWINGS.
- 6 THESE DRAWINGS MUST BE READ IN CONJUNCTION WITH THE ARCHITECTS DRAWINGS, (IF APPLICABLE).
- 7 THIS DRAWINGS MUST BE READ IN CONJUNCTION WITH THE STANDARD SPECIFICATIONS FOR MUNICIPAL CIVIL ENGINEERING WORKS, SERIES 4.
- 8 THE SIGNATURE OR INITIALS ON THIS DRAWING, OF ANY MANAGER OF THE TRANSPORT AND ROADS DEPARTMENT, IN NO WAY REMOVES ANY RESPONSIBILITY WHATSOEVER FROM THE CONSULTANT.
- 9 THE CONSULTANT REMAINS RESPONSIBLE TO ENSURE THAT ALL THE GUIDELINES, STANDARD DRAWINGS, STANDARDS AND SPECIFICATIONS OF THE TRANSPORT AND ROADS DEPARTMENT HAVE BEEN MET AND ARE COMPLIED WITH.
- 10 FINAL POSITION OF SERVICES TO BE DETERMINED N SITE.
- 11 REFER TO CITY OF TSHWANE ROADS AND STORMWATER STANDARD CONSTRUCTION DETAIL DRAWINGS STD002 TO STD006 FOR TYPICAL STORMWATER DETAILS.

**NOTE:**  
ALL LEVELS INDICATED WITH AN ASTERIX \* \* \* ARE TO BE CONFIRMED ON SITE AND SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO ANY CONSTRUCTION WORK COMMENCES.

**LEGEND:**


- BENCHMARK (REFER TO LIST)
  - ERF BOUNDARY
  - GAUTRAIN CENTRE LINE AND RESERVE
  - 1:50 YEAR FLOOD LINE
  - 1:100 YEAR FLOOD LINE
- PROPOSED:**
- STORMWATER LINE
  - REMOVE STORMWATER LINE
  - MANHOLE
  - JUNCTION BOX
  - KERB INLET
- EXISTING:**
- - 
  - 
  -

POINT	Y	X	Z
BS	81788.74	2865174.61	1421.55
SZ	81701.95	2865276.89	1412.02
SSAHC	81674.85	2865253.31	1415.64
STC	81476.25	2865279.87	1420.64
SDB	81345.15	2865459.06	N/A
STA	81381.13	2865486.90	1424.42
STC	81403.06	2865539.96	1422.19



NR.	DATE	APPROVED	DESCRIPTION	PAR.
A	11/04/2014	J.M.	ISSUED FOR INFORMATION	

**CONSULTANTS DETAIL**



**CONSULTING CIVIL AND STRUCTURAL ENGINEERS**  
 P.O. BOX 1227 PRETORIA 0001  
 Tel: (012) 365-1414  
 Fax: (012) 365-1192  
 E-Mail: civil.concepts@iafrica.com


RECEIVED	DATE	BY

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

Mr L. N. Mangcu  
STRATEGIC EXECUTIVE DIRECTOR

Ms L. Mchunu  
EXECUTIVE DIRECTOR

P.O. BOX 1409  
PRETORIA 0001



DESIGNED	DATE
GJ MOOLMAN	

DRAWING CHECKED BY	DATE
JC PAOLA	

DRAWN	DATE
GJ MOOLMAN	

CIVIL DRAUGHTING SERVICES	DATE
D.J. CHALMERS	

DRAWING APPROVED BY EXECUTIVE DIRECTOR	DATE
MS. L. MCHUNU	

LOCATION OF PROJECT:  
**DIE HOEWES X285, X286 & X287**

DESCRIPTION OF PROJECT:  
**STORMWATER LAYOUT PLAN**

CONTRACT No.: C1005a

PROJECT No.: C1005a

SCALE: 1:500

DATE: JAN 2012

**PROJECT STATUS**

PROJECT ENGINEER:  CONCEPT DRAWING  TRAFFIC DRAWING  APPROVED FOR CONSTRUCTION DRAWING  AS-BUILT DRAWING

INSPECTOR OF WORKS: SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

REMARKS: \_\_\_\_\_

DRAWING NO.: **C1005a-920**

ORIGINAL PAPER SIZE: **A1**

SHEET NO.: **1**

REVISION: