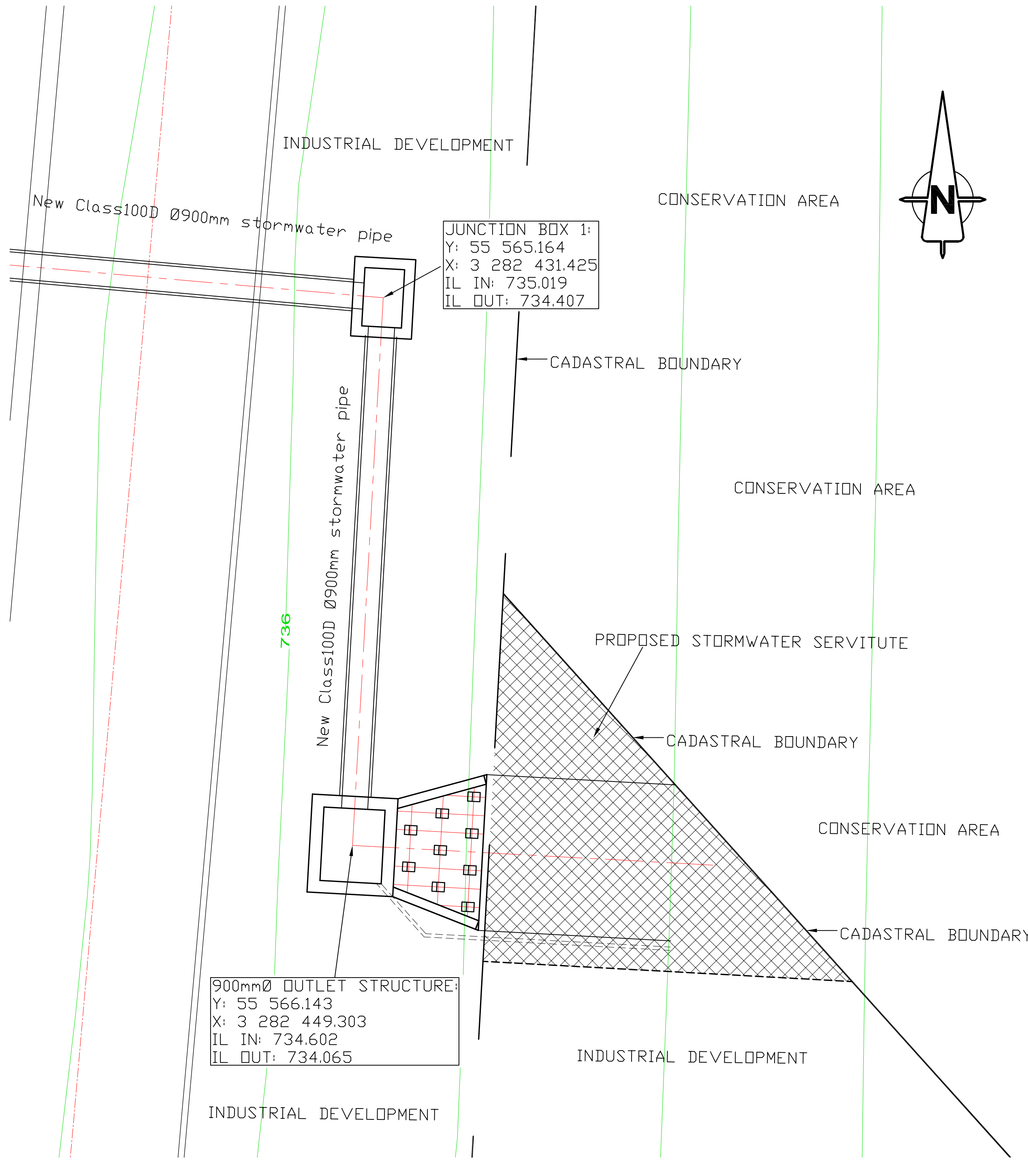
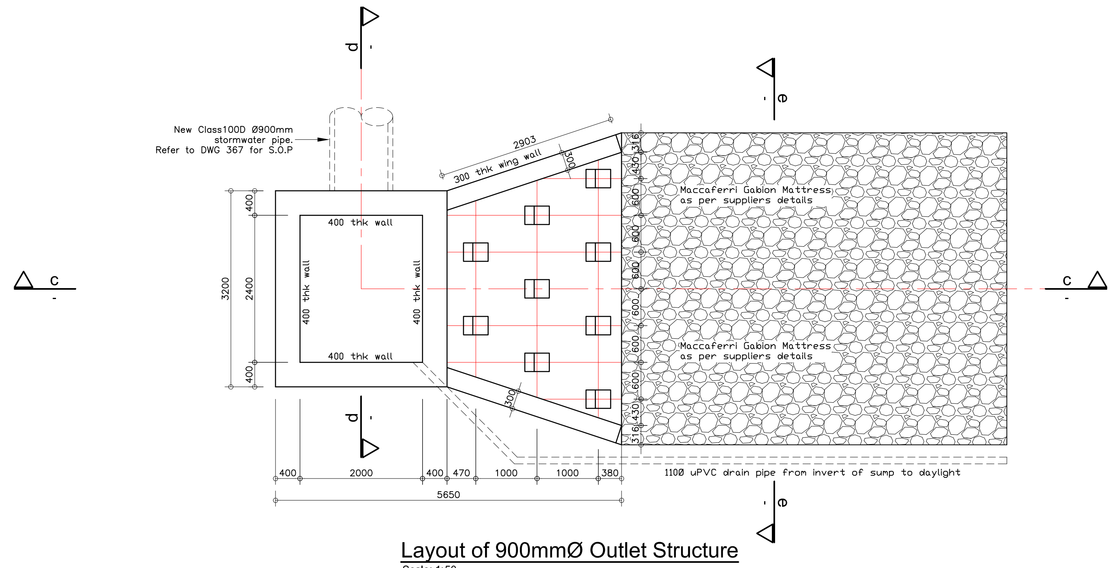
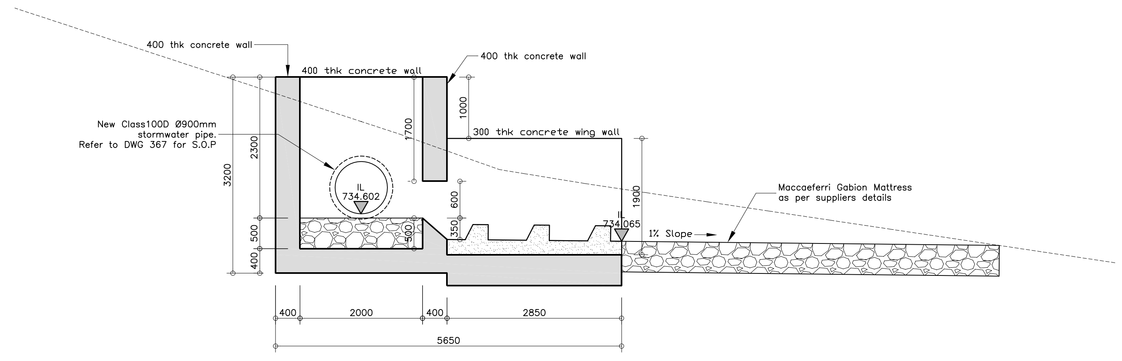


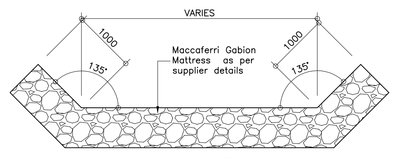
Layout Plan of 900mmØ Function Box and Outlet Structure
Scale: 1:100



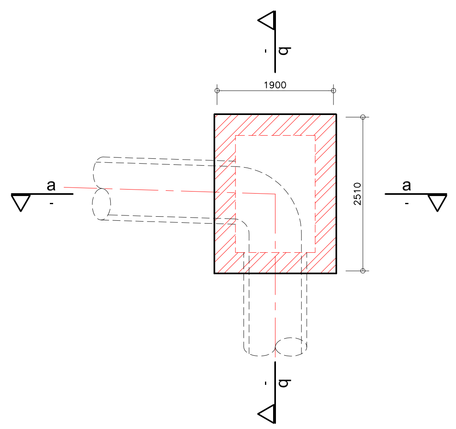
Layout of 900mmØ Outlet Structure
Scale: 1:50



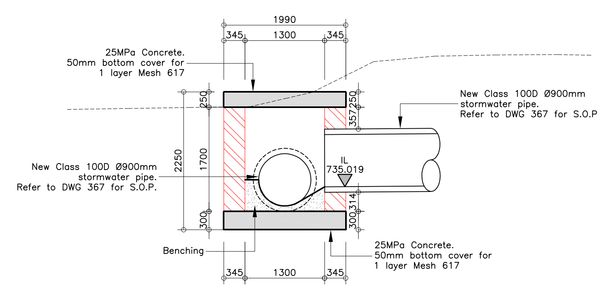
Section c-c
Scale: 1:50



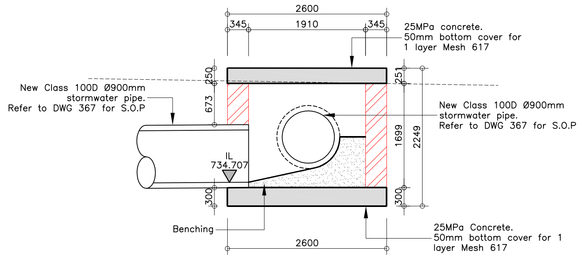
Section e-e
Scale: 1:50



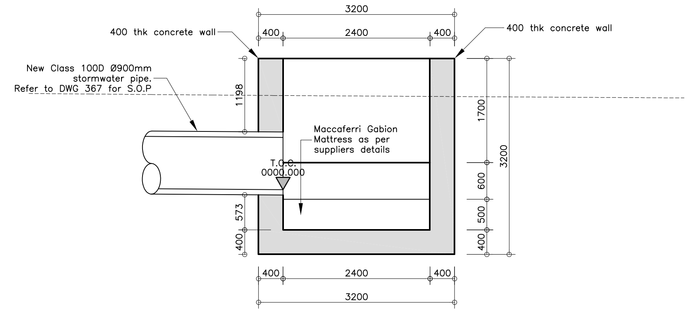
Layout of Junction Box 1
Scale: 1:50



Section a-a
Scale: 1:50



Section b-b
Scale: 1:50



Section d-d
Scale: 1:50

GENERAL NOTES:
1. REFER TO ALL RELEVANT DRAWINGS & SPECIFICATIONS, DO NOT SCALE ANY DIMENSIONS.
2. WHERE DISCREPANCIES OCCUR BETWEEN THE PROJECT DRAWINGS OR SPECIFICATIONS, THESE SHOULD BE REPORTED IMMEDIATELY TO THE PRINCIPAL AGENT.
3. ALL DIMENSIONS AND LEVELS TO BE CHECKED ON SITE AND CORRELATED WITH THE ARCHITECTS DRAWING BEFORE CONSTRUCTION COMMENCES.
4. ALL WATERPROOFING AND EARTH POISONING DETAILS TO BE IN ACCORDANCE WITH THE ARCHITECT'S SPECIFICATION AND INSTRUCTIONS.

CONCRETE NOTES:

FOUNDATIONS

1.1 EXCAVATIONS FOR FOUNDATIONS TO BE APPROVED BY THE ENGINEER BEFORE CONCRETE IS CAST.

1.2 ALL FOUNDATIONS TO BE BUILT ON FIRM IN-SITU SOIL (NOT ON FILL).

1.3 PILING LOGS TO BE USED TO RECORD DEPTH, DIAMETER, REINFORCING, DATE CAST, CUT OFF LEVEL, CONCRETE STRENGTH AND REFERENCE TO RELEVANT CUBES MADE FOR TESTING.

CONCRETE

2.1 CONCRETE CHARACTERISTIC 28-DAY STRENGTH:
GROUND BEAMS ..... 30 MPa
COLUMNS & WALLS ..... 30 MPa

2.2 NOMINAL CONCRETE AGGREGATE SIZE 19mm

2.3 ALL CONCRETE TO BE PROPERLY CURED BY KEEPING SURFACES CONTINUOUSLY DAMP FOR AT LEAST 5 DAYS AFTER CASTING.

2.4 ALL CONCRETE TO BE CONSTRUCTED TO THE SABS 1200 G PERMISSABLE DEVIATION DEGREE OF ACCURACY CLASS 7 UNLESS OTHERWISE SPECIFIED.

2.5 CONCRETE CUBE TESTS TO BE SUBMITTED TO ENGINEER FOR APPROVAL.

REINFORCEMENT

3.1 ALL REINFORCEMENT TO BE CHECKED AND APPROVED BY THE ENGINEER BEFORE ANY CONCRETE IS CAST.

3.2 LAP LENGTH TO REINFORCING TO BE MIN. 50 x SMALLER DIAMETER, UNLESS OTHERWISE NOTED.

3.3 MINIMUM COVER TO REINFORCING:
COLUMNS & WALLS 65mm
STRIP & PAD FOUNDATIONS 65mm
BEAMS TO SLABS 65mm

3.4 THE CONTRACTOR MUST TAKE PARTICULAR CARE TO ENSURE THAT THE SPECIFIED COVER TO ALL REINFORCEMENT HAS BEEN ATTAINED THROUGHOUT BEFORE THE ENGINEER IS CALLED TO SITE.

3.5 REINFORCING YIELD STRENGTH:
HIGH TENSILE 'Y' ..... 450 MPa
MILD STEEL 'R' ..... 250 MPa
WELDED STEEL WIRE MESH ..... 485 MPa

FORMWORK

4.1 STRIPPING TIMES FOR:
COLUMN AND WALL SHUTTERING ..... 1.5 DAYS
SLAB PROPS ..... 14 DAYS
BEAM PROPS ..... 21 DAYS

4.2 CONCRETE FINISHES:
SURFACEBED ..... POWER FLOAT
SPENDED SLABS ..... WOOD FLOAT
COLUMNS & WALLS ..... OFF SHUTTER
BEAMS ..... OFF SHUTTER
SLAB SOFFIT ..... OFF SHUTTER

Rev. No:	Date:	Revision Details:	By:
2	02/02/09	Revised Stormwater Layout	SO
1	21/01/09	Issued for construction	SO

Client:

COLLINS
PROPERTY DEVELOPMENTS

Architect:

PATON TAYLOR ASSOCIATES Inc.
ARCHITECTS

edos
Structural, Civil & Transportation Engineers
Old Farm Office park
881 Old Farm Road
Faerie Glen
Pretoria
Tel: 012 991 1205
Fax: 012 991 1373
e-mail: info@edseng.co.za

Project:

SHORTTS RETREAT ROAD
WAREHOUSE
Pietermaritzburg

Description:

Stormwater Outlet Structure and Manhole Details

Drawn:	Checked:	Designed:
SO	CPB	CPB

Paper size:	Drawing Number:	Revision:
A0	2007-047-379	2