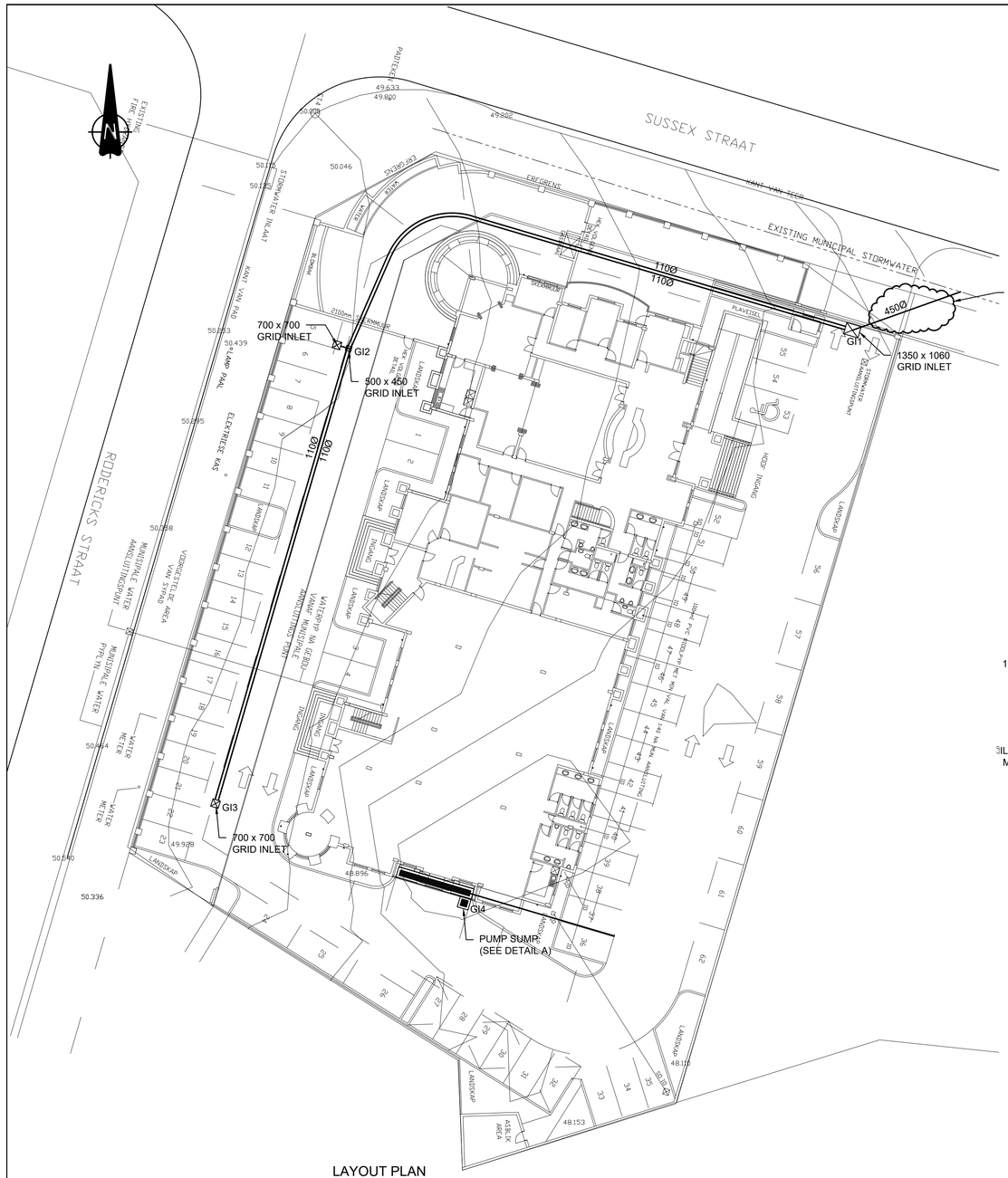
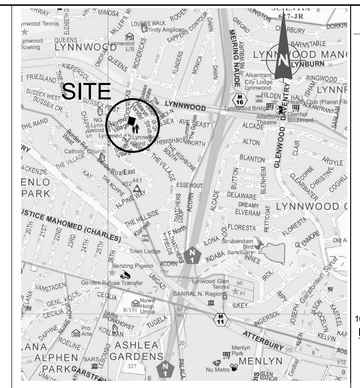



LAYOUT PLAN
SCALE 1: 250




LOCALITY PLAN
NTS

## NOTES AND SPECIFICATIONS

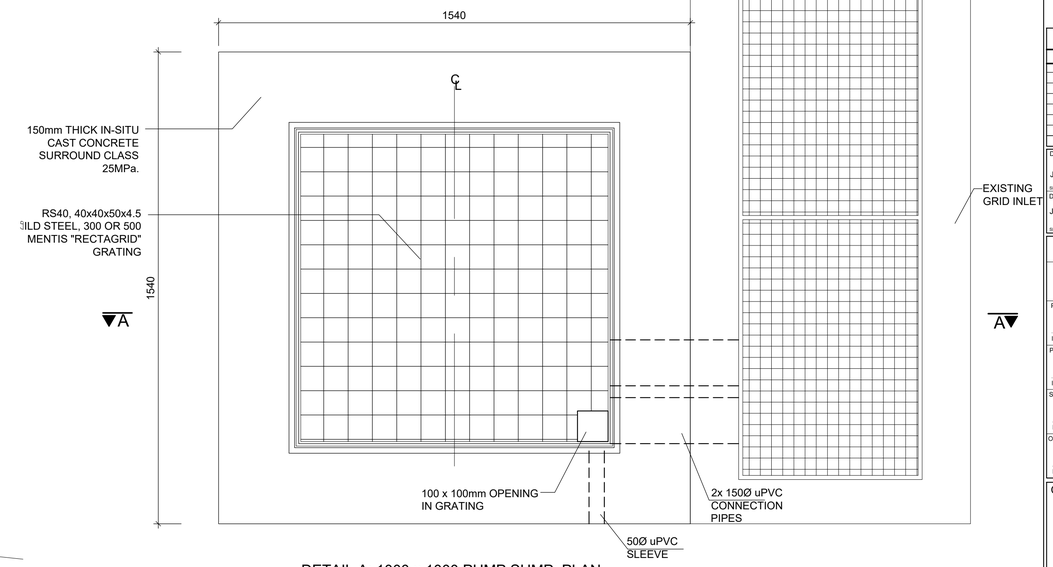
### GENERAL

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 THIS DRAWING.
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. THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE ARCHITECT DRAWINGS. (IF APPLICABLE)
7. THIS DRAWING 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 THERCOADS & TRANSPORT 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 ROADS & TRANSPORT DEPARTMENT HAVE BEEN MET AND ARE COMPLIED WITH.
10. FINAL POSITION OF SERVICES TO BE DETERMINED ON SITE.

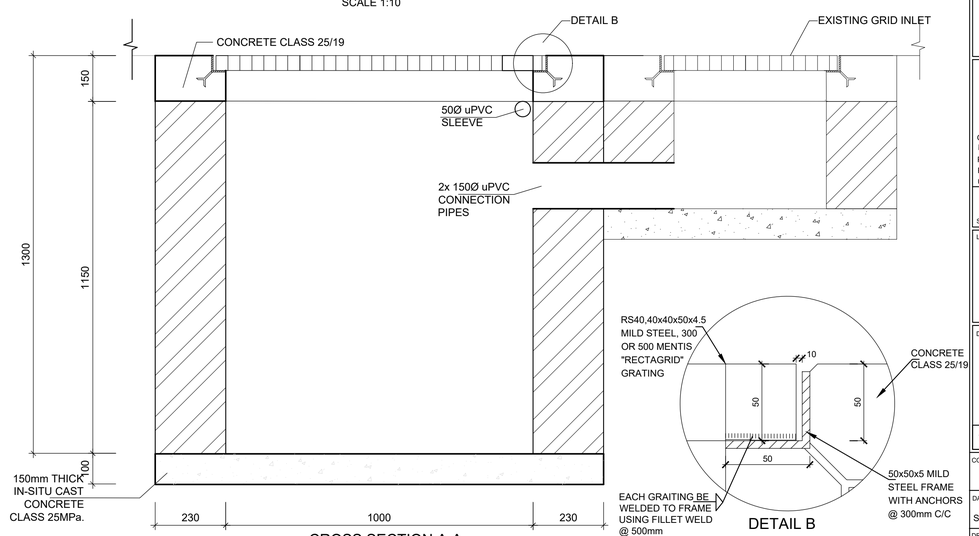
### LEGEND

- STORMWATER
- JUNCTION / MANHOLE
- LIGHT DUTY GRID INLET
- HEAVY DUTY GRID INLET
- GRID INLET
- STORM WATER SURFACE FLOW DIRECTION

ABBREVIATIONS:
MH - MANHOLE
GI - GRID INLET
KI - KERB INLET




DETAIL A: 1000 x 1000 PUMP SUMP: PLAN
SCALE 1:10




CROSS SECTION A-A
SCALE 1:10

## NOTES:

1. ALL WORK MUST BE CARRIED OUT IN ACCORDANCE WITH THE CONDITIONS AND QUALITY CONTROL AS SPECIFIED IN THE LATEST REVISIONS OF THE APPLICABLE SANS 1200 SERIES AND OR WITH THE STANDARD SPECIFICATION FOR MUNICIPAL CIVIL ENGINEERING WORKS (2005) AND THE GENERAL CONDITIONS OF CONTRACT FOR CONSTRUCTION OF CIVIL ENGINEERING WORKS,(2004).
2. ALL WORK MUST COMPLY WITH THE LATEST REVISION OF "STANDARD CONSTRUCTION DETAILS AND DESIGN STANDARDS" AS ISSUED BY THE CITY OF TSHWANE ROADS AND STORMWATER DIVISION. (LATEST REVISION).
3. ALL BELLMOUTH RADII MIN 10m UNLESS OTHERWISE STATED.
4. SURFACING OF ROADS TO BE 25mm CONTINUOUSLY GRADED (MEDIUM GRADE) ASPHALT OR 80mm INTERLOCKING PAVING, AS SHOWN ON THE DRAWINGS.
5. ALL STORMWATER PIPES TO BE CONCRETE CLASS 75D CONCRETE PIPES, UNLESS OTHERWISE SPECIFIED.
6. STORMWATER PIPES TO BE JOINED SOFFIT TO SOFFIT.
7. THE CONTRACTOR MUST COMPLY WITH ALL REGULAR ON-SITE INSPECTIONS FOR ACCEPTANCE OF COMPLETED WORK, IN THE PRESENCE OF BOTH THE ENGINEER AND THE REPRESENTATIVE OF THE COT ROADS AND STORMWATER DIVISION.
8. THE CONTRACTOR MUST PROVE THE QUALITY OF ALL LAYERWORKS WITH SUITABLE LABORATORY TEST RESULTS. THE COSTS INCURRED FOR THESE WILL BE FOR THE ACCOUNT OF THE CONTRACTOR.
9. FOR STANDARD TYPICAL DETAIL DRAWINGS, REFER TO THE SPECIFIC GUIDELINES OF LOCAL COUNCIL "STANDARD CONSTRUCTION DETAILS'.
10. DESTROY ALL PREVIOUS DRAWINGS ON RECEIPT OF REVISED DRAWING.
11. ONLY APPROVED SELECTED IMPORTED MATERIAL MAY BE USED AS FILL MATERIAL, COMPACTED IN LAYERS NOT EXCEEDING 150mm AT THE CORRECTLY SPECIFIED DENSITIES.
12. FINISHED LEVELS MUST BE WITHIN 20mm OF THE SPECIFIED LEVELS.
13. HORIZONTAL DIMENSIONS MUST BE WITHIN 50mm OF THE SPECIFIED DIMENSION.
14. THE CONTRACTOR MUST LOCATE AND PROTECT ALL EXISTING SERVICES BEFORE COMMENCEMENT OF THE WORK.
15. MANHOLES MUST BE IN ACCORDANCE WITH STANDARD DETAIL DRAWINGS AND EQUIPPED WITH MEDIUM DUTY PRECAST CONCRETE COVERS AND FRAMES (SANS TYPE4).
16. MANHOLES IN CARRAIGE WAY MUST BE EQUIPPED WITH HEAVY DUTY CAST IRON COVERS AND FRAMES (SANS TYPE4)
17. ALL CONCRETE WORK SHALL FULLY COMPLY WITH SANS 1200 G.
18. ALL BRICKWORK SHALL FULLY COMPLY WITH SANS 0164.
19. ALL LEVELS AND POSITIONS TO BE CHECKED ON SITE PRIOR TO CONSTRUCTION.

### AMENDMENTS

| NR. | DATE | APPROVED | DESCRIPTION | PAR. |
|---|---|---|---|---|
| 0 | 02/09/2021 | L ROETS | FOR APPROVAL | L ROETS |

DESIGNED: J.L.ROETS — SIGNATURE — DATE: 02/09/2021
DRAWN: T.DEETLEFS
DESIGN CHECKED BY: J.L.ROETS — SIGNATURE — DATE: 02/09/2021
INFRASTRUCTURE TECHNICAL INFORMATION MANAGEMENT
D.J. CHALMERS — SIGNATURE — DATE

### PROJECT STATUS

● CONCEPT DRAWING ○ TENDER DRAWING ○ APPROVED FOR CONSTRUCTION DRAWING ○ AS BUILT DRAWING

| | INITIALS AND SURNAME | SIGNATURE AND Pr. No. | DATE |
|---|---|---|---|
| PROJECT ENGINEER ( CONSULTANT) | J.L.ROETS | 9370055 | 02/09/2021 |
| PROJECT ENGINEER ( CITY OF TSHWANE) | | | |
| STRUCTURAL ENGINEER (CITY OF TSHWANE) | | | |
| OFFICIAL REPRESENTATIVE (CITY OF TSHWANE): | WAC BRUHNS | 0570081 | |


CONSULTANT DETAIL
LJR Civil Consultants cc
DESIGN & DRAUGHTING ENGINEERING CONSULTANTS
2000/007738/23
55 LOUIS TRICHARDT STREET
PARKTOWN ESTATE
PRETORIA
0084
CELL : 083 283 7540
OFFICE: 063 566 6151
E-mail : ljr@ljr.co.za


# CITY OF TSHWANE
## ROADS AND TRANSPORT DEPARTMENT

GROUP HEAD
Mr Letlonkane P. (Pheko)
P.O. BOX 1409
PRETORIA
0001

DIVISIONAL HEAD
Mr Tlhagale M.K.P. (Mavern)
P.O. BOX 1409
PRETORIA
0001

DRAWING APPROVED BY DIVISIONAL HEAD
Mr Tlhagale M.K.P. (Mavern)
SIGNATURE: DATE:

LOCATION OF PROJECT:
PORTION 4/757 & ERF 1052 LYNNWOOD

DESCRIPTION OF PROJECT
STORMWATER PLAN

WAYLEAVE_NO:_

CONTRACT No.: PROJECT No.:
DATE: SEPTEMBER 2021 SCALE: AS SHOWN ORIGINAL PAPER SIZE: A1
DRAWING NO. 2108080/200 SHEET NO: REVISION 1

Timk Stormwater.dwg