

4800

3457

1247

96

97

**ANOTHER  
JOHANNESBURG WATER  
SERVICE  
DELIVERY PROJECT  
HELPDESK (011)375-5555**

**PROJECT DETAILS:**

CONTRACT NO.: JW.....  
DESCRIPTION:- .....

FONT : 70mm

FONT : 60mm  
SPACING : 60mm

780

**CONSULTANT:**

JOHANNESBURG WATER  
DESIGN SECTION  
TEL: 011 688 1400

FONT : 70mm

FONT : 50mm  
SPACING : 50mm

540

**CONTRACTOR:**

.....

TEL.....

FONT : 70mm

FONT : 50mm  
SPACING : 50mm

540

**CLIENT**

JOHANNESBURG WATER-  
INVESTMENT DELIVERY  
TEL: 011 688 1400

FONT : 70mm

FONT : 50mm  
SPACING : 50mm

540

2400



CONSULTING ENGINEERS  
CAPEX DESIGN SECTION  
SWISS HOUSE  
7TH FLOOR

DESIGNED	B.MKHUMALO	MAY 2017
DRAWN	B.MKHUMALO	MAY 2017
CHECKED	J.GUMBO	DATE 19/7/17
	SIGNATURE <i>JGumbo</i>	
	ECSA REG. No. 201372044	
APPROVED BY:	T.MPANDAGUTA	DATE
	SIGNATURE <i>T.Mpandaguta</i>	
	ECSA REG. No. 201170150	



17 HARRISON STREET  
MARSHALLTOWN  
2107  
TEL: (011) 688-1400  
FAX: (011) 688-1529



STANDARD DETAIL  
NAMEBOARD

AMENDMENTS				
SCALE	REV.	DESCRIPTION	APPROVED	DATE

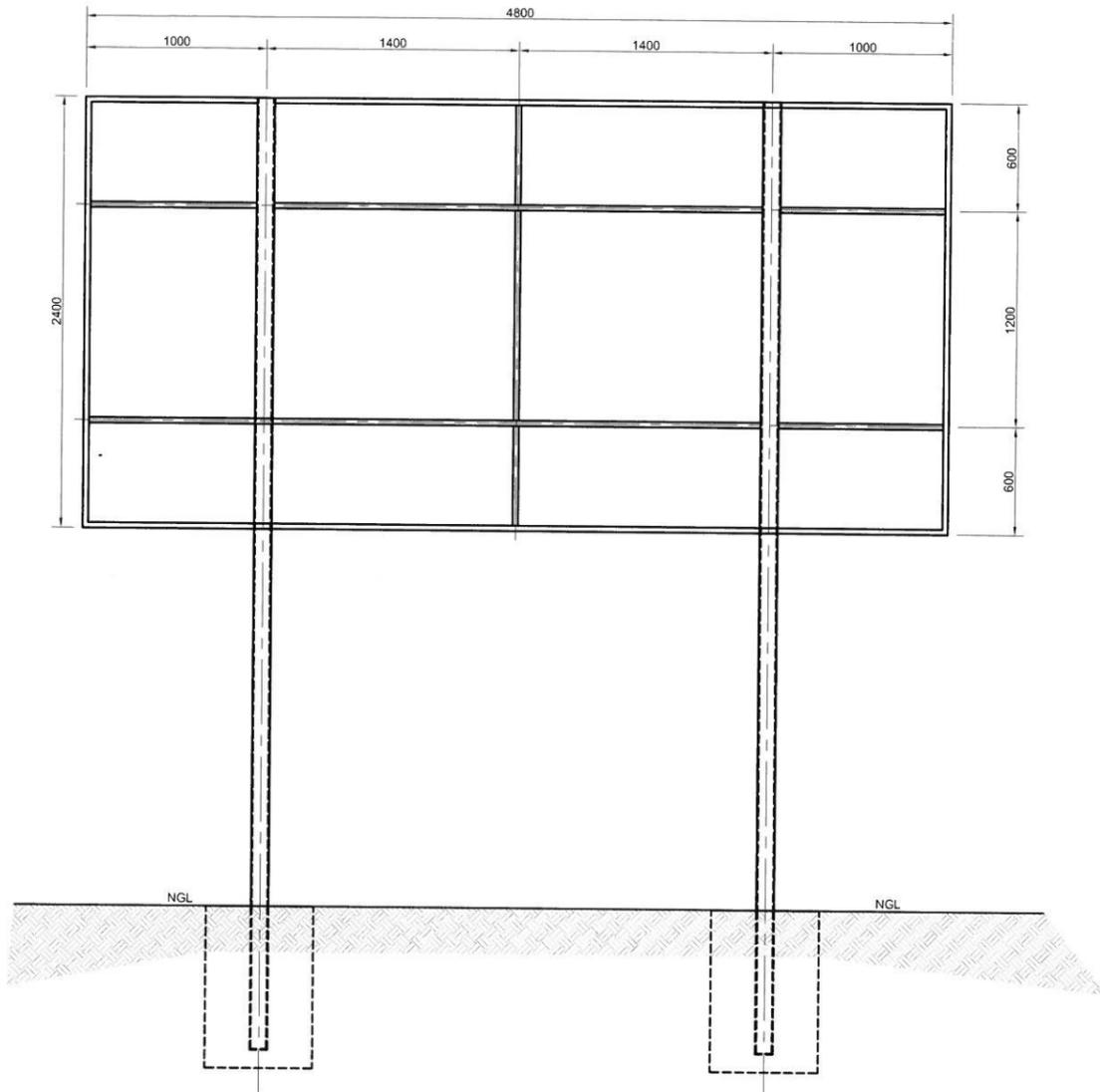
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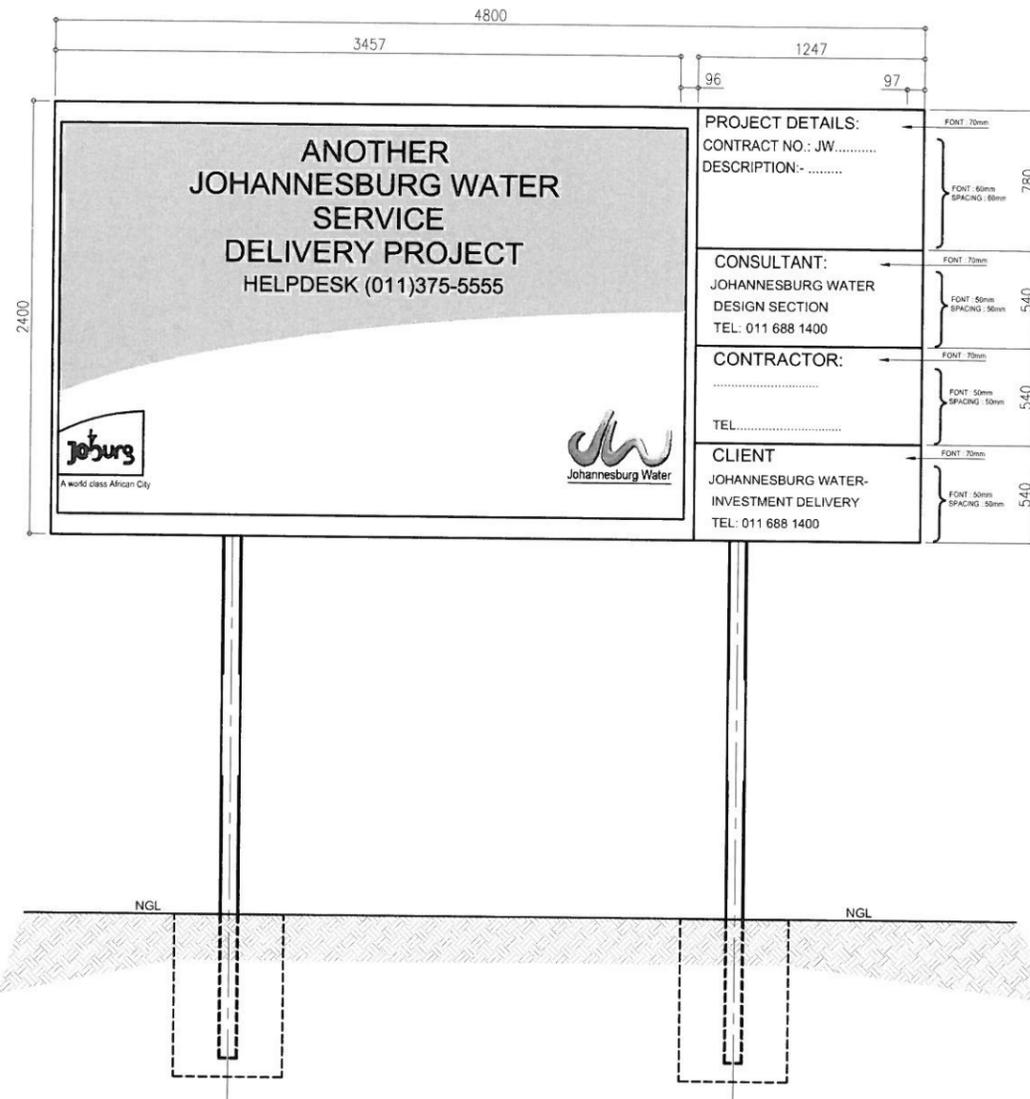
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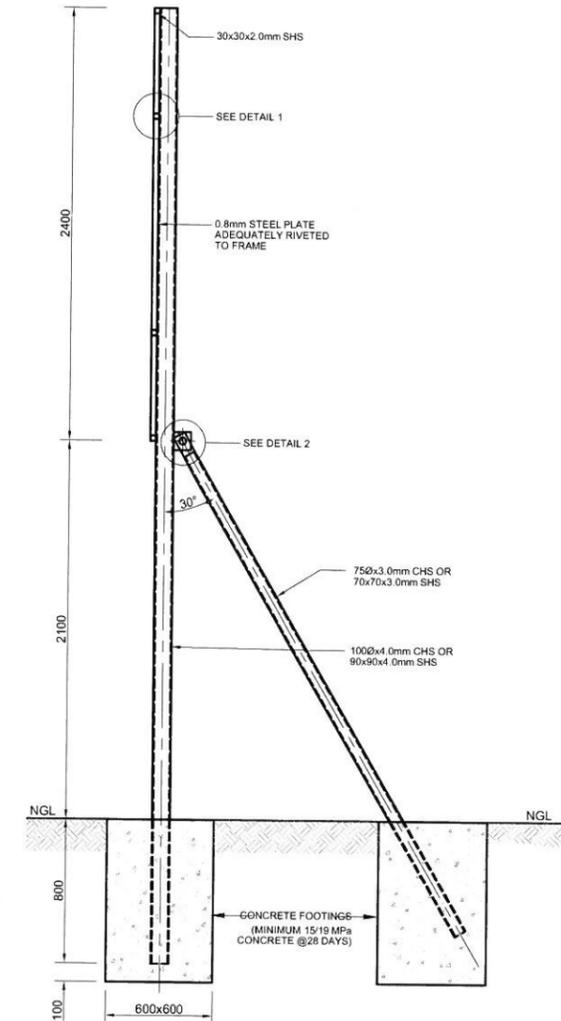
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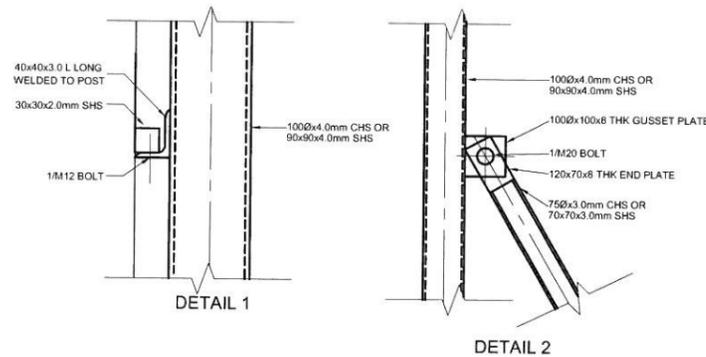
BACK ELEVATION



FRONT ELEVATION



TYPICAL SECTION



NOTE:  
ALL WELDS TO BE 6mm FILLET  
WELD ALL AROUND UNLESS  
OTHERWISE SPECIFIED

DESIGNED	B.M.KHUMALO	MAY 2017
DRAWN	B.M.KHUMALO	MAY 2017
CHECKED	J.GUMBO	DATE 19/7/17
SIGNATURE	<i>[Signature]</i>	
ECSA REG. No.	201370044	
APPROVED BY:	T.M.PANDAGUTA	DATE
SIGNATURE	<i>[Signature]</i>	
ECSA REG. No.	201170150	



17 HARRISON STREET  
MARSHALLTOWN  
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**Joburg**  
STANDARD DETAIL  
NAMEBOARD HOLDER

AMENDMENTS				
SCALE	REV.	DESCRIPTION	APPROVED	DATE

DRAWING No. JW100-DET01.1-W01

PROJECT No. [ ] REV. [ ]

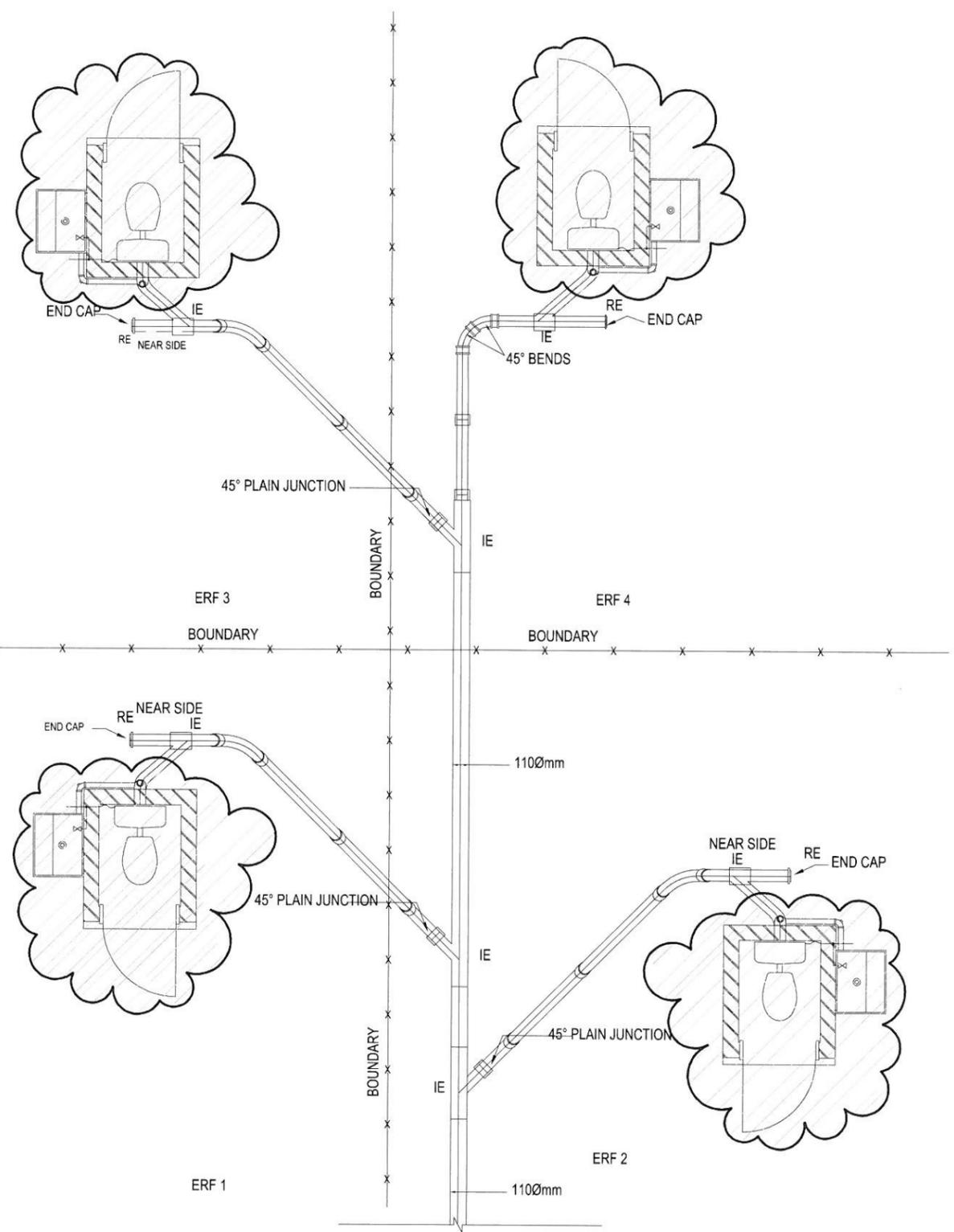
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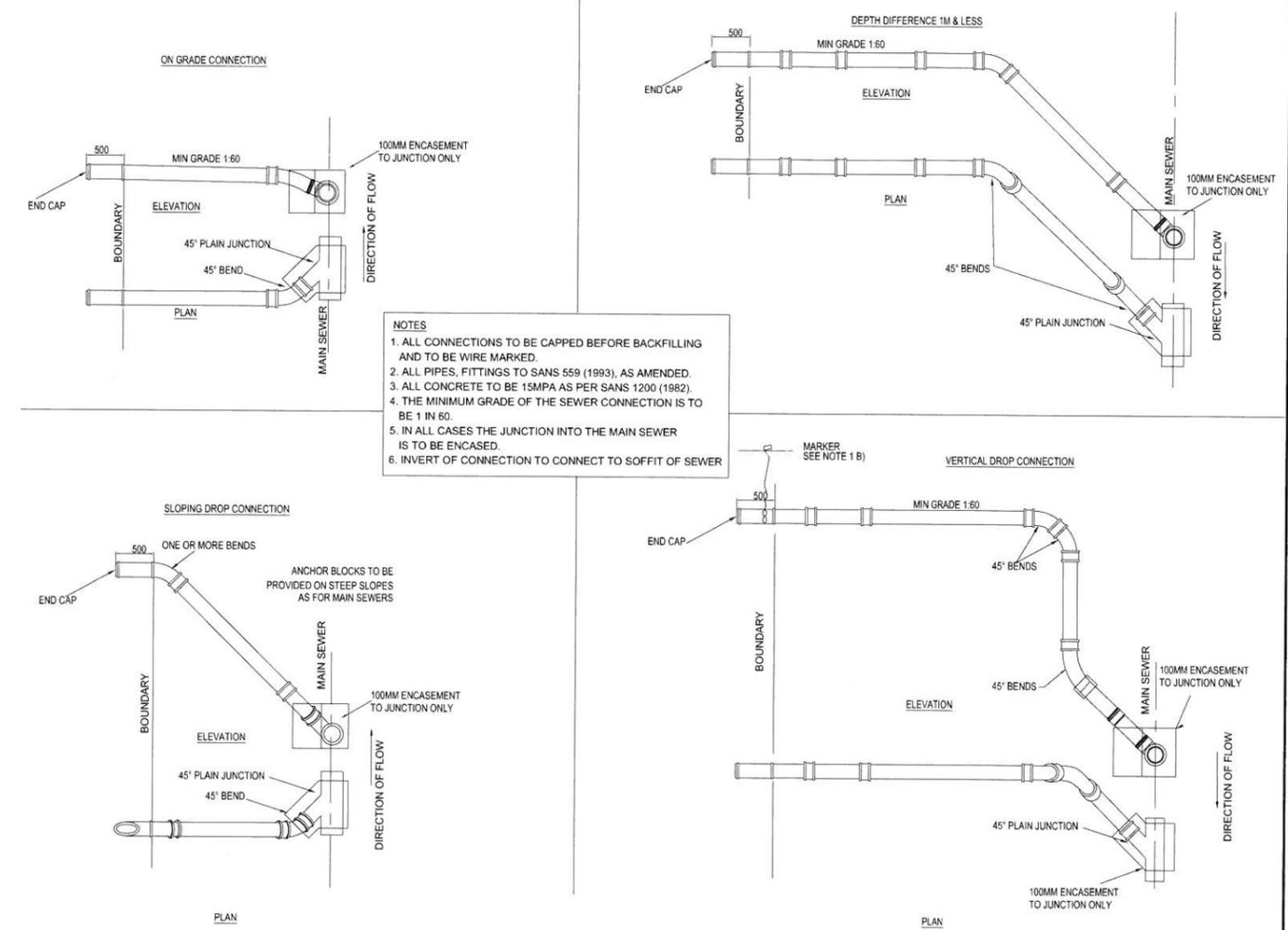
FILE No. [ ]



- NOTES:**
- COMPACTION TO BE IN 150MM LAYERS TO THE SPECIFIED COMPACTION EFFORT.
  - AREA SHADED NOT PART OF THE CONSTRUCTION.
  - LENGTH OF HOUSE CONNECTION IS MEASURABLE.
  - SETTING OUT TO BE APPROVED BY ENGINEER.
  - TESTING AS SPECIFIED BY ENGINEER.
  - ALL MATERIAL AS PER SABS 1200DB AND 1200 CB.



ROAD  
ERF DROP CONNECTION  
BOTH SIDES  
TYPICAL CONNECTIONS



- NOTES**
1. ALL CONNECTIONS TO BE CAPPED BEFORE BACKFILLING AND TO BE WIRE MARKED.
  2. ALL PIPES, FITTINGS TO SANS 559 (1993), AS AMENDED.
  3. ALL CONCRETE TO BE 15MPA AS PER SANS 1200 (1982).
  4. THE MINIMUM GRADE OF THE SEWER CONNECTION IS TO BE 1 IN 60.
  5. IN ALL CASES THE JUNCTION INTO THE MAIN SEWER IS TO BE ENCASED.
  6. INVERT OF CONNECTION TO CONNECT TO SOFFIT OF SEWER

DESIGNED	B.M. KHUMALO	JULY 2017
DRAWN	B.M. KHUMALO	JULY 2017
CHECKED	S. CHAUKE	DATE: 14/7/17
SIGNATURE	<i>[Signature]</i>	
ECSA REG. No.	201370044	
APPROVED BY:	T. MPANDAGUTA	DATE:
SIGNATURE	<i>[Signature]</i>	
ECSA REG. No.	201170150	

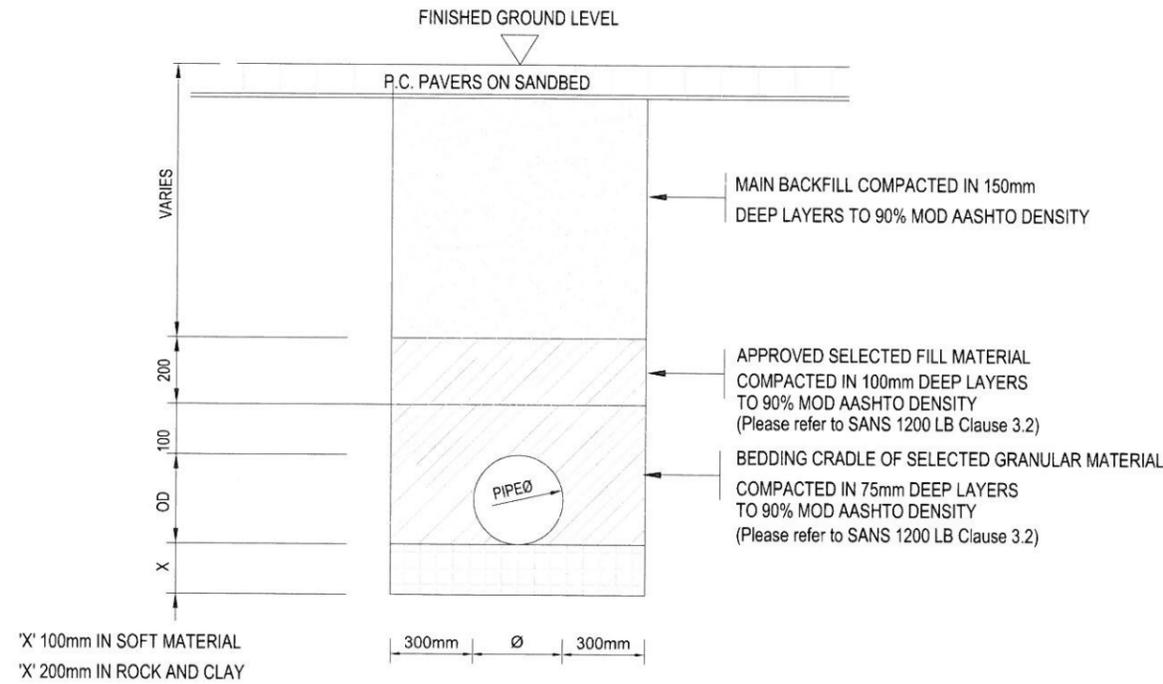


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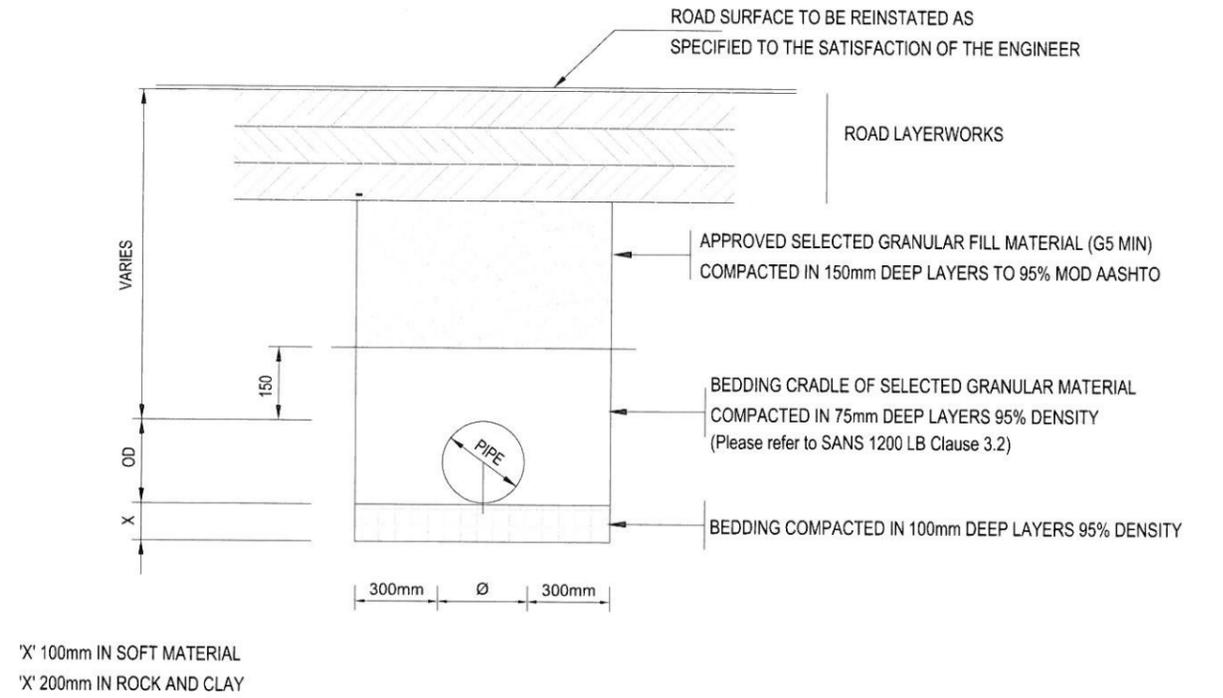


AMENDMENTS				
SCALE	REV.	DESCRIPTION	APPROVED	DATE:

DRAWING No. JW100-DET2-S01	
PROJECT No.	REV.
A3	2
ORIGINAL PAGE SIZE	
FILE No.	



TYPICAL TRENCH SECTION ACROSS PAVED WALKWAYS AND OPEN GROUND



TYPICAL TRENCH SECTION BENEATH ROAD

**NOTES:**

1. PIPE SIDE ALLOWANCE OF 300mm TYPICAL FOR UP TO 700mm Dia. FOR PIPES GREATER THAN 700mm REFER TO SANS 1200DB CLAUSE 5.2 "MINIMUM BASE WIDTHS."
2. COMPATION OF MAIN FILL TO MINIMUM MOD AASHTO OR THAT OF SURROUNDING IN SITU UNDISTURBED GROUND AND AS DIRECTED BY THE ENGINEER.
3. DIMENSIONS IN MILLIMETERS (mm)
4. REFER ALSO TO JRA AND OTHER SERVICE PROVIDERS SPECIFICATIONS FOR BEDDING DETAILS IN ROAD RESERVES OR WHERE THE PIPE INTERSECT WITH OTHER SERVICES.

CONSULTING ENGINEERS  
CAPEX DESIGN SECTION  
SWISS HOUSE  
7TH FLOOR

DESIGNED	B.M. KHUMALO	MAY 2017
DRAWN	B.M. KHUMALO	MAY 2017
CHECKED	J. GUMBO	DATE: 19/7/17
	SIGNATURE: <i>[Signature]</i>	
	ECSA REG. No. 20390044	
APPROVED BY:	T. MPANDAGUTA	DATE:
	SIGNATURE: <i>[Signature]</i>	
	ECSA REG. No. 231170150	



17 HARRISON STREET  
MARSHALLTOWN  
2107

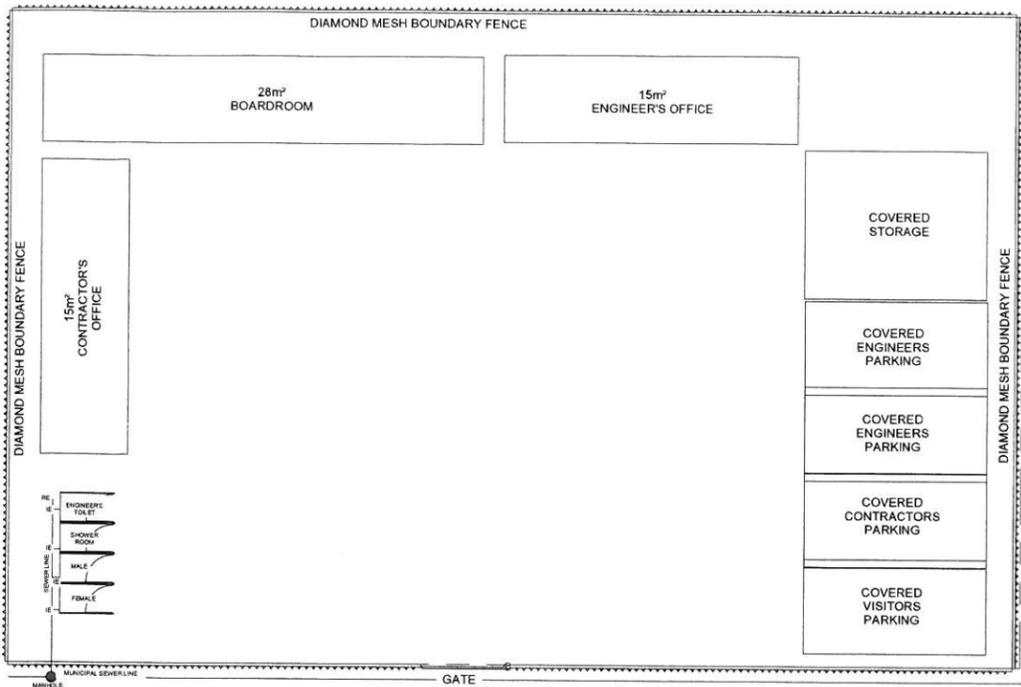
TEL: (011) 688-1400  
FAX: (011) 688-1529



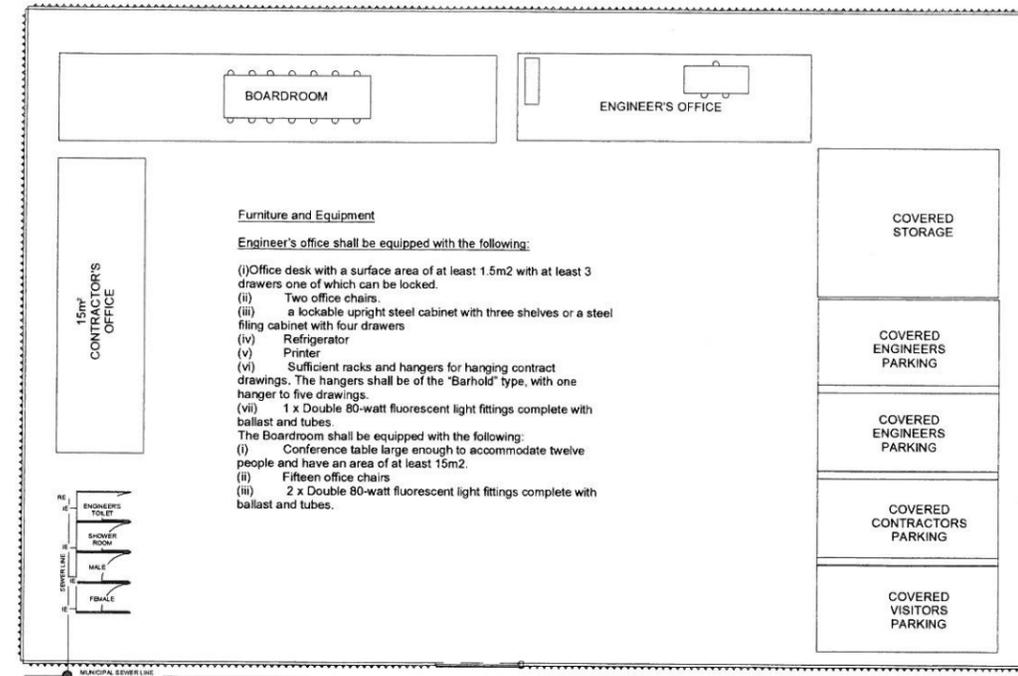
STANDARD DETAIL  
SEWER BEDDING DETAILS

AMENDMENTS				
SCALE	REV.	DESCRIPTION	APPROVED	DATE

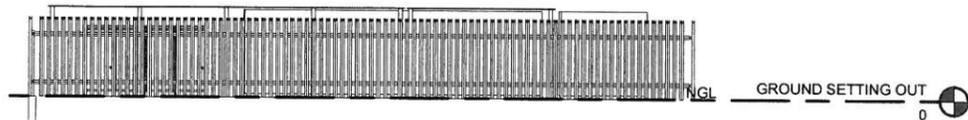
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PROJECT No.	REV.
A3	SHEET 2 OF
ORIGINAL PAGE SIZE	
FILE No.	



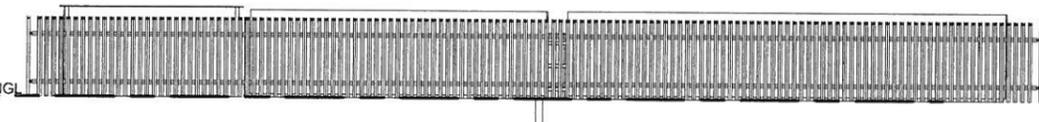
1 GROUND SETTING OUT  
1 : 100



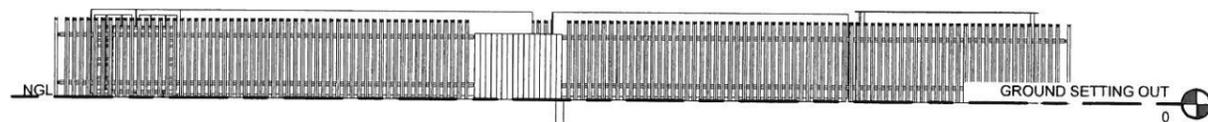
7 PROPOSED LAYOUT  
1 : 100



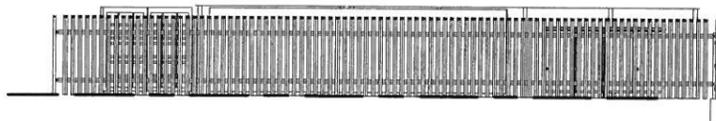
3 East Elevation  
1 : 100



4 North Elevation  
1 : 100



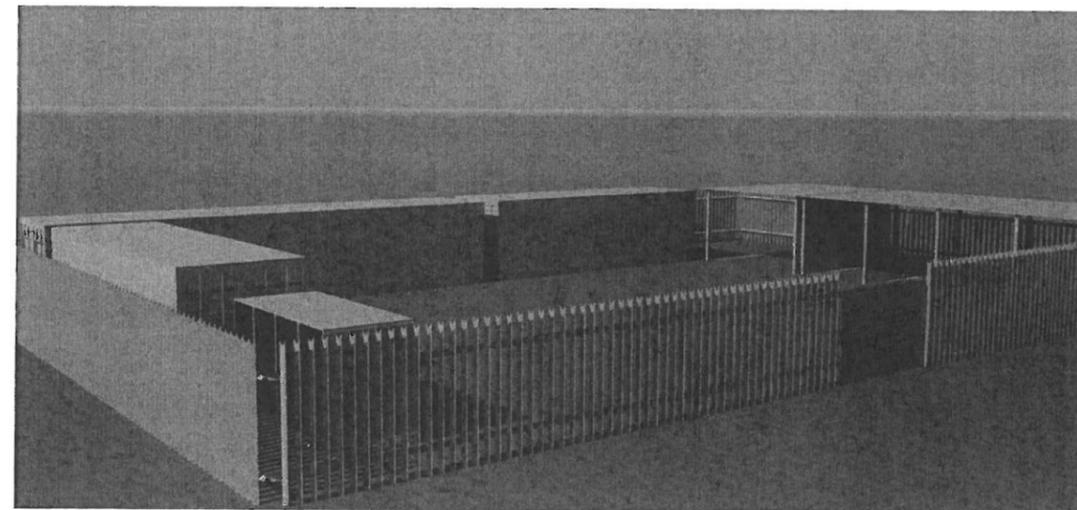
5 South Elevation  
1 : 100



6 West Elevation  
1 : 100

SCHEDULE OF AREAS

Dimensions	Boardroom	Engineer's Office
Minimum floor area	28m <sup>2</sup>	15m <sup>2</sup>
Minimum window area	4.0m <sup>2</sup>	3.0m <sup>2</sup>
Minimum window area opening	2.4m <sup>2</sup>	1.5m <sup>2</sup>
Minimum clear height	2.5m	2.5m



2 3D View Site Render  
1 : 1

DESIGNED BY: T. Mpandaguta	Date: .....
DRAWN BY: K. Kolberg	Date: .....
CHECKED BY: T. Mpandaguta	Date: 19/7/17
Signature: <i>[Signature]</i>	
ECSA REG. No: 2012/10014	
APPROVED BY: F. Chakana	Date: .....
Signature: <i>[Signature]</i>	
ECSA REG. No: 2011/10110	



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STANDARD DETAIL FOR  
SITE CAMP

SCALE		AMENEDMENTS		DRAWING No. JW 100-DET01-SC01
AS SHOWN	REVISION	DESCRIPTION	DATE:	PROJECT No: #      DISCIPLINARY: #      REVISION: # SHEET # OF # ORIGINAL PAGE SIZE