



NOTES: REINFORCED CONCRETE		
1. THE APPLICABLE STANDARD SPECIFICATION IS SANS 12006 - 1982 WHICH SHOULD BE READ IN CONJUNCTION WITH THE VARIATIONS AND ADDITIONS CONTAINED IN THEBMA PROJECT SPECIFICATION FOR CONCRETE (STRUCTURAL).		
2. CONCRETE COVER TO REINFORCEMENT AND CONCRETE STRENGTH TO BE AS INDICATED BELOW. COVER IS GIVEN TO THE NEAREST FACE. MINIMUM BAR COVER TO BE MAXIMUM OF BAR DIAMETER AND AS SHOWN BELOW. SPECIFIED COVER TO BE MAINTAINED USING CEMENT MORTAR COVER BLOCKS OR APPROVED PLASTIC SPACERS.		
ELEMENT	CONCRETE STRENGTH AT 28 DAYS (MPa)	COVER mm
FOUNDATIONS	30	50
COLUMNS	30	45
BEAMS	30	45
SLABS	30	45
WALLS	30	45
	40	30

3. ALL AGGREGATE TO BE 19mm UNLESS OTHERWISE SPECIFIED.		
4. CONCRETE DESIGN MIXES TO BE SUBMITTED TO ENGINEER FOR COMMENTS PRIOR TO CONSTRUCTION.		
5. CUBE TESTS TO BE CARRIED OUT ON SITE AND LOGGED WITH POSITION AND DATE. CUBES TO BE TAKEN FOR EACH TYPE OF ELEMENT, AT LEAST ONE SET DAILY AND AT LEAST ONE SET EVERY 50m ³ .		
6. REINFORCEMENT TO BE IN ACCORDANCE WITH SANS 920 AND SHALL BE BENT IN ACCORDANCE WITH SANS 82.		
7. ALL CAST IN ITEMS SHALL BE FREE OF OIL, GREASE, DIRT OR ANY OTHER MATERIAL WHICH MAY IMPAIR THE BOND WITH THE CONCRETE. CONTRACTOR TO REFER TO ARCHITECT SPECIALIST DRAWINGS FOR DETAILS POSITIONS OF OPENINGS, SLEEVES, CONDUITING, ETC. FOR STORMWATER, SEWERAGE AND OTHER SERVICES.		
8. FOUNDATIONS HAVE BEEN DESIGNED FOR AN ALLOWABLE GROUND BEARING CAPACITY OF 1000 kPa.		
9. ALL FOUNDATION EXCAVATIONS TO BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO CONCRETING.		
10. REMOVAL OF FORMWORK TO BE IN ACCORDANCE WITH THE PROJECT SPECIFICATION. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR BACK-PROPPING ON MULTI-STORY SLAB CONSTRUCTION.		
11. ALL EXPOSED CORNERS TO BE CHAMFERED 25x25 U.N.		

INFRASTRUCTURE CONSULTING

Tel: 0861themba (843622)
email: info@themba-africa.com

DESIGNED: KB 10/02/2021

DRAWN: WM 30/09/2024

CHECKED: LD 30/09/2024

APPROVED BY: SIGNATURE DATE

ECSA REG. No. SIGNATURE DATE

Johannesburg Water

TURBINE HALL
65 NTEMI PILISO STREET
NEWTOWN 2001

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

DIEPSLOOT SEWAGE AQUEDUCT
BRIDGE 1

FOUNDATION AND PIERS
REBAR DETAIL

SURVEY INFORMATION		APPROVAL BY JW DEPOT		SCALE	AMENDMENTS	
PROJECT SURVEYOR:		CHECKED		AS SHOWN	REV:	DESCRIPTION
DATE:		APPROVED BY:				
		SIGNATURE	DATE			
CCTV INFORMATION		APPROVAL BY JW PLANNING				
CCTV COMPANY:		CHECKED				
DATE:		APPROVED BY:				
		SIGNATURE	DATE			

CONSULTANTS DWG NO
13247-02/S/R001/A

DRAWING No.

JW14455

PROJECT No.

A0

SHEET

1

OF

3

A

REV.

ORIGINAL PAGE SIZE
FILE No.