STORMWATER PIPES UP TO 900mmØ

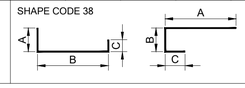
PIPE Ø	L	W
0-525	1.8	1.4
600-675	1.8	1.6
750-900	1.8	1.8

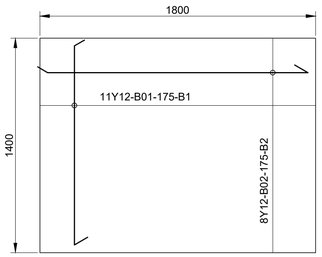
BENGING SCHEDULE FOR PIPE ø≤525 MANHOLE

	MEMBER NAME	BAR MARK	TYPE SIZE	SHAPE CODE	TOTAL QTY	TOTAL LENGTH	BENDING A	BENDING B	BENDING C	BENDING r	MASS (Kg/m)	MASS PER BAR (Kg)	TOTAL MASS (Kg)
1	BASE	B01	Y12	38	11	1475	100	1300	75	-	0,888	1,310	14,408
2		B02	Y12	38	8	1875	100	1700	75	-	0,888	1,665	13,320
3	SLAB	S01	Y12	38	11	1515	100	1340	75	-	0,888	1,345	14,799
4		S02	Y12	38	9	1915	100	1740	75	-	0,888	1,701	15,305
5		S03	Y10	20	8	500	500	-	-	-	0,617	0,309	2,468
6		S04	Y12	38	10	550	100	350	100	-	0,888	0,488	4,884
7		S05	Y12	38	6	650	100	450	100	-	0,888	0,577	3,463

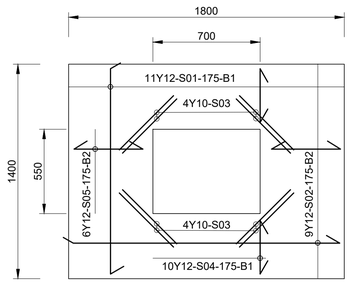
NOTES:
1. THE SHAPE CODES & DIMENSIONS GIVEN ARE IN ACCORDANCE WITH SANS: 82 BENDING DIMENSIONS FOR CONCRETE REINFORCEMENT.
2. R: *ROUND MILD STEEL BARS TO SANS 920* .
3. Y: *ROUND DEFORMED HIGH TENSILE BARS TO SANS 920, min. YIELD PIONT 450MPa.*

SHAPE CODE 38

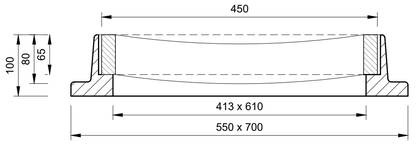




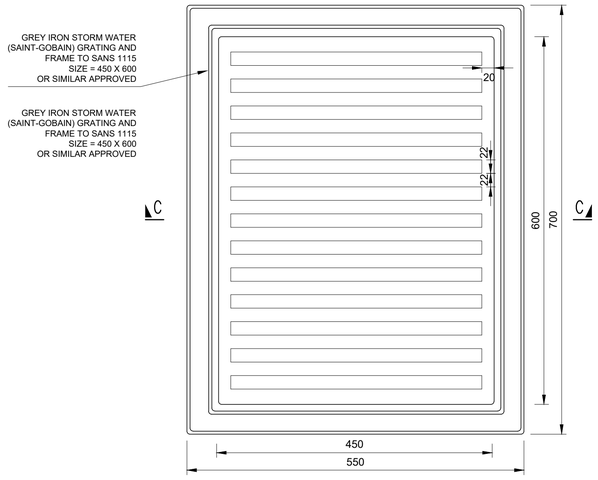
BASE REBAR DETAIL
SCALE: 1:20



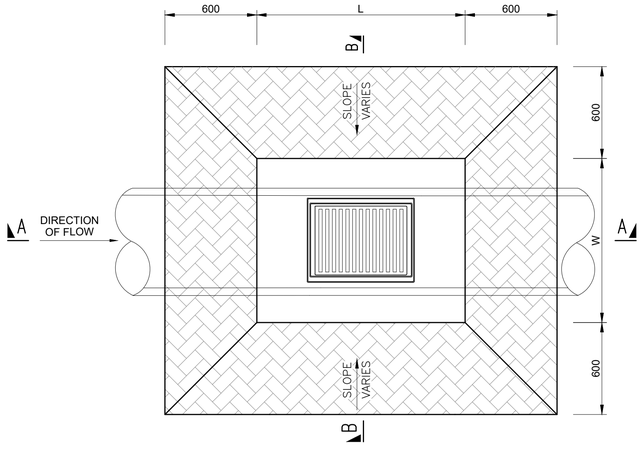
COVER SLAB REBAR DETAIL
SCALE: 1:20



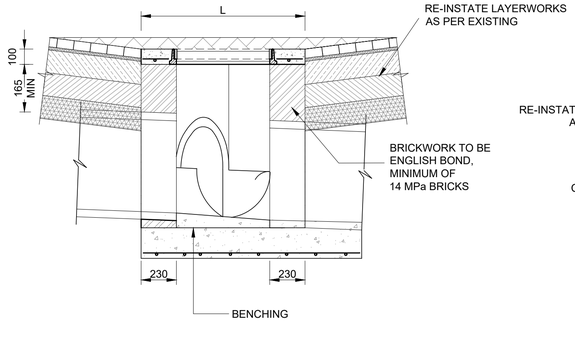
SECTION C-C
SCALE: 1:5



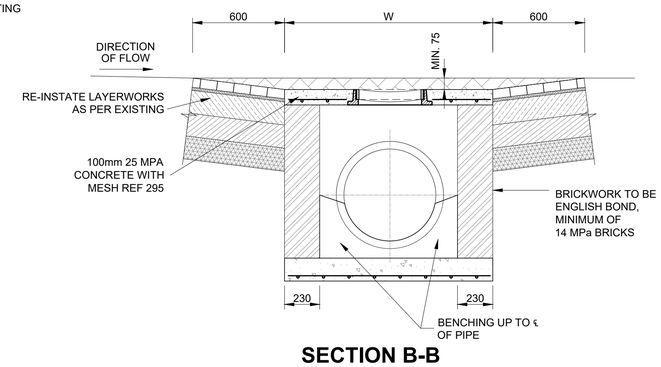
GRID COVER DETAIL
SCALE: 1:5



DETAILS OF GRID INLET
SCALE: 1:20



SECTION A-A
SCALE: 1:20



SECTION B-B
SCALE: 1:20

ISSUED FOR TENDER

NOTES:

GENERAL NOTES:

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ARCHITECTS DRAWINGS.
2. ALL DIMENSIONS AND HEIGHTS ARE TO BE CHECK ON SITE BEFORE WORK PUT ON HAND.
3. REPORT DISCREPANCIES TO ARCHITECT OR ENGINEER.
4. THIS DRAWING MUST NOT BE USED TO SCALE OFF. USE ONLY WRITTEN DIMENSIONS. CONTACT THE ENGINEER OR ARCHITECT FOR ANY MISSING DIMENSIONS.
5. FOR SETTING OUT DATA, SETTING OUT POINTS AND DATUM LEVELS REFER TO SURVEY INFORMATION AND ARCHITECTS DRAWINGS.
6. STRUCTURAL WORKS IS TO BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND THE RELEVANT S.A.N.S SPECIFICATIONS.
7. CONSULT RELEVANT ARCHITECTS, MECHANICAL, ELECTRICAL AND HYDRAULIC ENGINEERS DRAWINGS FOR ALL SERVICES, DRAINAGE, STORMWATER OUTLET, PASIPS AND HOLES AND SLEEVES FOR THESE SERVICES. NO HOLES ARE TO BE CORED WITHOUT ENGINEERS WRITTEN APPROVAL.

REFERENCE DRAWING

NO.	DRAWING NUMBER	DESCRIPTION
01	1013-023-1000	STORMWATER AND SITE LAYOUT

REVISION

NO.	DATE	REVISION	REV. BY
01	05/12/2022	FOR TENDER	Z.OLAMINI

SIGPRO SIGNATURES

	NAME	SIGNATURE	DATE
DESIGNED:	S.HEIBESTEIN		24/11/2022
DRAWN BY:	Z.OLAMINI		30/11/2022
ENGINEER:			
PROJECT MANAGER:	S.SHAD		23/06/2019

CLIENT DEPARTMENT SIGNATURES

FACILITY STAMP

FACILITY MANAGER

INFRASTRUCTURE MANAGER

GENERAL MANAGER

Checked by Professional Consultant
Name

Signature Date

SIGPRO
ENGINEERING AND PROJECT MANAGEMENT

DBSA
Development Bank of Southern Africa

NORTHERN REGION

Project
KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE PROGRAMME

Drawing Description
MATAMZANE DUBE SECONDARY SCHOOL
GRID INLET DETAILS

Drawn: SIGPRO Date:13/06/2019

Scale/s:
AS SHOWN

Consultant Drawing Number:
1013-023-1003 Rev 1

DBSA Drawing number
500124283

Stamped by Plans Approval Committee