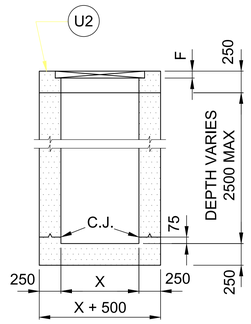
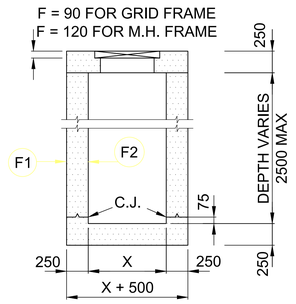
FRAME CAST IN SLAB



SECTION A-A

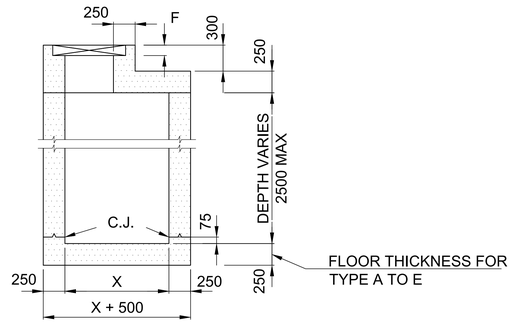
SCALE 1:25



SECTION B-B

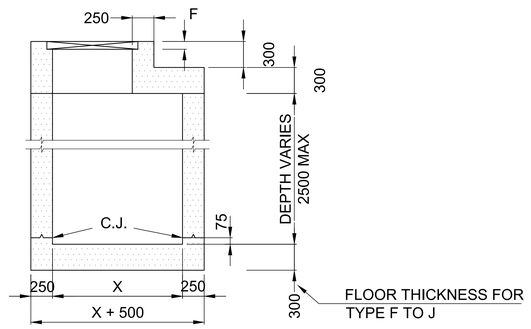
SCALE 1:25

TYPICAL 300 mm SHAFT ON COVER SLAB



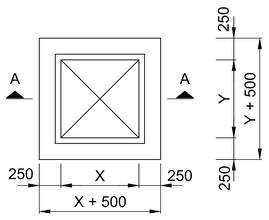
SECTION C-C

SCALE 1:25



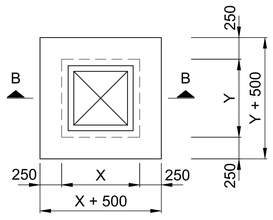
SECTION D-D

SCALE 1:25



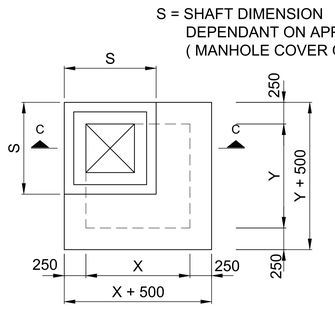
POSITION 1

SCALE 1:25



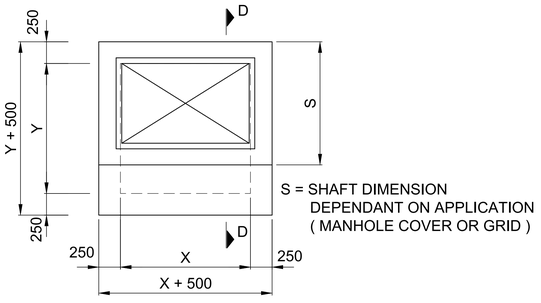
POSITION 2

SCALE 1:25



POSITION 3

SCALE 1:25



POSITION 4
(DOUBLE GRID INLET)

SCALE 1:25

TYPICAL POSITION OF FRAME ON COVER SLAB FOR MANHOLES AND GRID INLETS

CHAMBER TYPE	DIMENSION					MANHOLES		INLETS WITH SINGLE GRID		INLETS WITH DOUBLE GRID	
	CHAMBER		EXTERNAL		FLOOR	Position of frame	300mm shaft on cover slab	Position of frame	300mm shaft on cover slab	Position of frame	300mm shaft on cover slab
	X	Y	X+500	Y+500							
A	900	900	1400	1400	250	2	NO	1	NO	NOT APPLICABLE (N/A)	
B	1200	900	1700	1400	250	3	NO	4	NO		
C	1200	1200	1700	1700	250	3	YES	2	NO		
D	1500	1200	2000	1700	250	3	YES	3	YES		
E	1500	1500	2000	2000	250	3	YES	3	YES		
F	2000	1500	2500	2000	300	3	YES	3	YES	4	YES
G	2000	2000	2500	2500	300	3	YES	3	YES	4	YES
H	2500	2000	3000	2500	300	3	YES	3	YES	4	YES
I	2500	2500	3000	3000	300	3	YES	3	YES	3	YES
J	2000	1000	2500	1500	300	N/A		N/A		2	NO

NOTES

1. CONCRETE FOR CHAMBERS TO BE REINFORCED.
2. FOR TRAFFIC LOADING REFER TO TMH 7 PART 1 AND 2, LATEST REVISION 3.
3. DETAILS OF REINFORCEMENT AND CONCRETE CLASS TO BE PROVIDED BY THE DESIGN CONSULTANT.
4. 840 x 840 x 120 RECESS TO ACCOMMODATE MANHOLE COVER AND FRAME TYPE 2A ACCORDING TO SABS 558.
5. FOR GRID DETAILS REFER TO DRAWING NO. TD-D-SG-1001 AND TD-D-SG-1002.
6. FOR SELECTION OF CHAMBER SIZE REFER TO DRAWING NO: TD-D-MC-1001.

No.	DATE	REVISION
V1	08/03/2024	ORIGINAL VERSION

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SANRAL
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BUILDING SOUTH AFRICA THROUGH BETTER ROADS

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Bellville
7535

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ACCEPTANCE

THIS ACCEPTANCE IS FOR PROCEDURAL AND ADMINISTRATIVE REVIEW PURPOSES ONLY AND DOES NOT ATTRACT LEGAL LIABILITY OR LIABILITY OF ANY KIND FROM WHATSOEVER CAUSE OR HOWEVER ARISING

for the SA NATIONAL ROADS AGENCY SOC LTD.

Date:

PROJECT DESCRIPTION

THE CAPACITY IMPROVEMENT OF NATIONAL ROUTE 1 SECTION 1 FROM OLD OAK INTERCHANGE (KM 18.90) TO KOELENHOF INTERCHANGE (KM 33.00)

MANHOLES AND GRID INLET CHAMBERS
GENERAL ARRANGEMENT OF CHAMBERS
SHEET 2 OF 4

SCALE @ A0: AS SHOWN | SHEET 2 OF 4

PROJECT NUMBER	N001-010-2021/1	
DRAWING LOCATION DATA	START	END
ROUTE	N01	N01
SECTION	01	01
DRAWING km DISTANCE	18.900	33.000
DRAWING TYPE	DRAINAGE - MH'S & GI CHAMBERS	
BRIDGE/STRUCTURE No.	N/A	
CONSULTANT DRAWING No.	312-00827-01-TD57	VER
SANRAL DOCUMENT #	XXXXXX	V1

312-00827-01-TD57