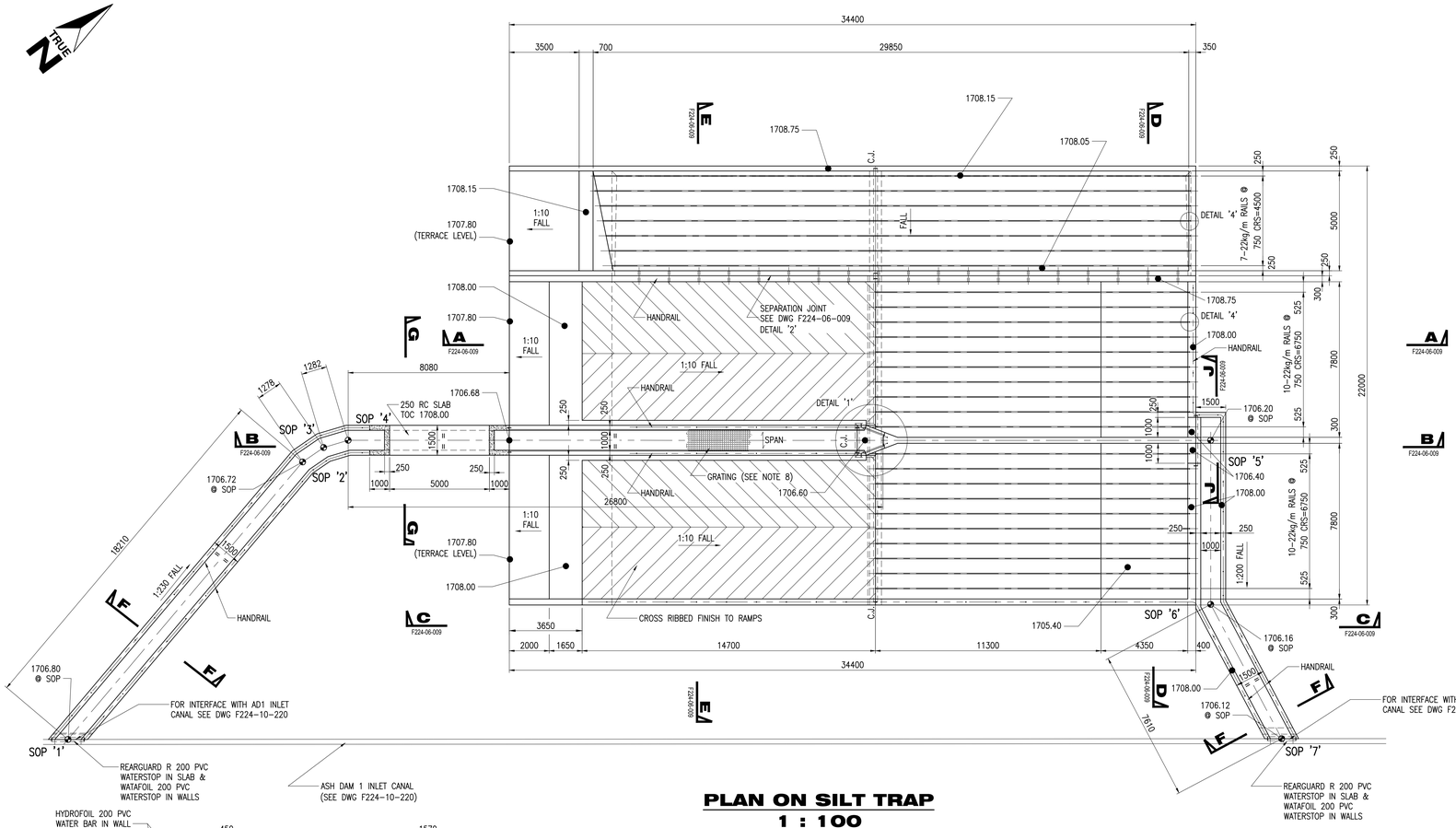
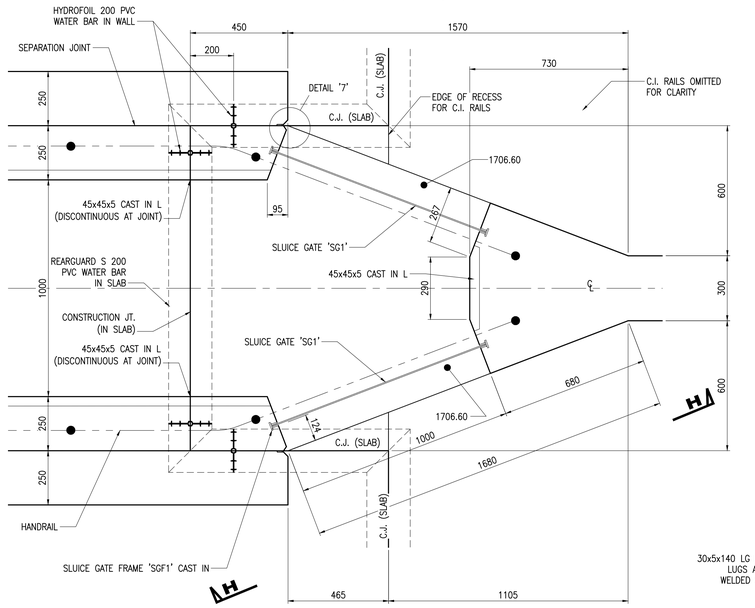
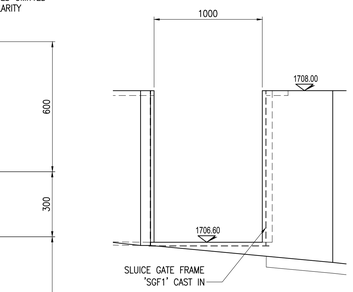


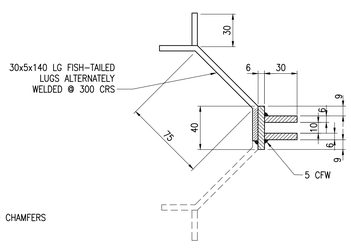
PLAN ON SILT TRAP
1 : 100



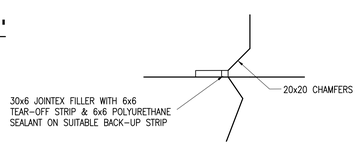
DETAIL '1'
1 : 10



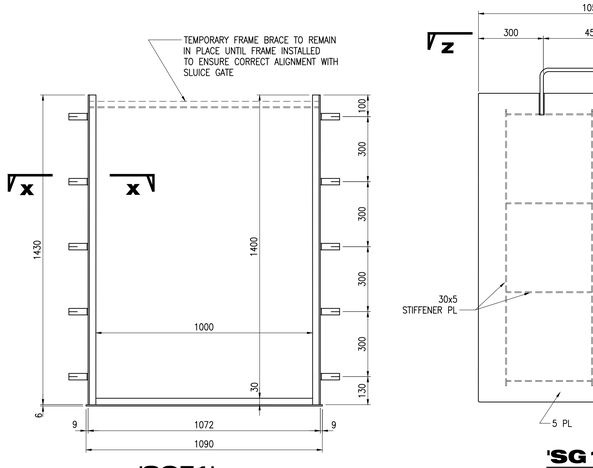
ELEVATION H - H
1 : 20



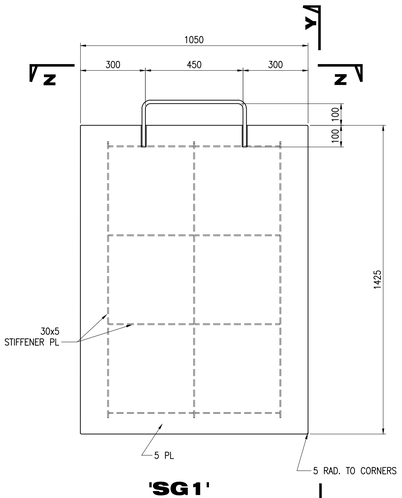
SECTION X - X
1 : 2



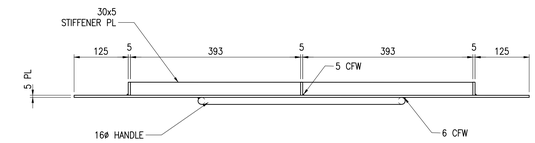
DETAIL '7'
1 : 2



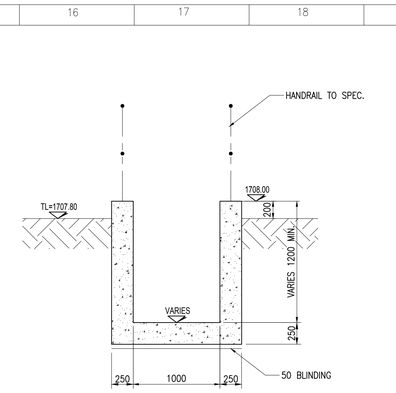
'SGF1'
1 : 10
2 No. OFF
(MATERIAL 3CR12)



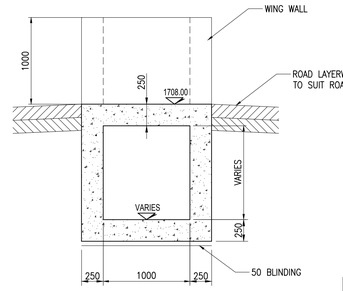
'SG1'
1 : 10
2 No. OFF
(MATERIAL 3CR12)



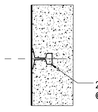
PLAN Z - Z
1 : 5



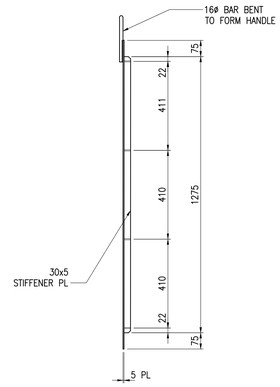
SECTION F - F
1 : 25



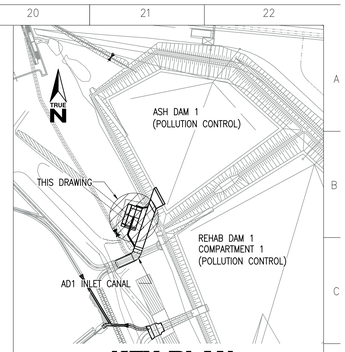
SECTION G - G
1 : 25



DETAIL '4'
1 : 10



ELEVATION Y - Y
1 : 10



KEY PLAN

GENERAL NOTES

2015 REV 1

ALL WORK IS TO BE EXECUTED IN ACCORDANCE WITH OF SANS 1200 & THE NATIONAL BUILDING REGULATIONS – SANS 10400.

ALL DIMENSIONS & LEVELS TO BE VERIFIED ON SITE & ANY DISCREPANCIES ARE TO BE BROUGHT TO THE RESPONSIBLE ENGINEER'S ATTENTION PRIOR TO IMPLEMENTATION OF ANY FURTHER WORKS.

THE FOLLOWING NOTES APPLY UNLESS OTHERWISE NOTED

1. DESIGN PARAMETERS
1.1 SAFE GROUND BEARING PRESSURE: 100 kPa.
1.2 NOMINAL FLOOR LOADING: 8t DOUBLE AXLE TRUCK.

2. EARTHWORKS
2.1 FOUNDATION MATERIAL TO BE APPROVED BY THE ENGINEER.
2.2 BACKFILL IS TO COMPRISE OF SELECTED APPROVED GRANULAR MATERIAL.
2.3 BACKFILL IS TO BE COMPACTED TO 93% MOD AASHTO AT ± 2% OMC.
2.4 BACKFILL LAYERS NOT TO EXCEED 150mm IN THICKNESS.

3. CONCRETE
3.1 BLINDING: GRADE 15 MPa MINIMUM THICKNESS 50mm.
3.2 MASS: GRADE 15 MPa.
3.3 STRENGTH: GRADE 35 MPa.
3.4 CURING: CONCRETE SURFACES ARE TO BE CURED TO SANS 1200G.

4. FORM-WORK
4.1 ALL EXPOSED CORNERS ARE TO BE PROVIDED WITH 20x20 CHAMFERS
4.2 EXPOSED SURFACE FINISH: SMOOTH
4.3 HIDDEN SURFACE FINISH: ROUGH

5. UNFORMED SURFACE FINISHES
5.1 SURFACES COVERED BY EARTH: WOOD FLOAT.
5.2 EXPOSED SURFACES: WOOD FLOAT.

6. CAST-IN ITEMS
6.1 CAST-IN ITEMS TO BE MANUFACTURED FROM GRADE S355JR STEEL U.O.N. & HD GALVANIZED TO SANS 121.

7. HANDRAILS
7.1 MENTIS OR EQUAL APPROVED. HD GALVANIZED TO SANS 121.

8. GRATING
8.1 MENTIS 'RECTAGRID' TYPE RS40 WITH 40x4,5 BEARER BARS BANDED IN NOMINAL 1m WIDTHS AND HD GALVANIZED TO SANS 121.

9. WATERSTOPS
9.1 ALL REARGUARD & CENTRE BULB "I" & CROSS SECTION CONNECTIONS TO BE FACTORY FABRICATED & MITRED WHERE REQUIRED

SETTING-OUT COORDINATES (CAPE DATUM Lo29)

SOP–1	Y = –74794.001	X = +2999293.320
SOP–2	Y = –74784.546	X = +2999277.755
SOP–3	Y = –74784.197	X = +2999276.526
SOP–4	Y = –74784.242	X = +2999275.245
SOP–5	Y = –74797.970	X = +2999234.257
SOP–6	Y = –74805.767	X = +2999236.868
SOP–7	Y = –74813.277	X = +2999235.634

(ALL SETTING–OUT CO–ORDINATES TO BE CONFIRMED ON SITE)

DRAWING TO BE REVIEWED BY A
Pr. ENG PRIOR TO CONSTRUCTION
IN TERMS OF SITE CONDITIONS AND
CURRENT ENVIRONMENTAL LEGISLATION

ISSUED
FOR CONSTRUCTION
SIGNED ..... DATE 01.09.17

-

D.O.	REV	DATE	** REVISION ** / INDEX REFERENCE	REV BY	CHKD BY	AUTH BY	KKS APP	REFERENCE DRAWINGS
								– F224–06–001 ASH DAM 1 LAYOUT & LINER DETAILS
00	0	30.06.17	ISSUED FOR CONSTRUCTION	UM	PG			– F224–06–221 ASH DAM 1 INLET CHANNEL SECTIONS
00	B	14.06.17	ISSUED FOR TENDER	UM	PG			– F224–06–220 ASH DAM 1 INLET CHANNEL CONC DETAILS
00	A	26.09.16	ISSUED FOR APPROVAL	DFC	PG			0.66/99355–6 F224–06–009 ASH DAM 1 SILT TRAP CONC DETAILS 2 of 2

DRG REGISTR		AUTHORISED FOR ESKOM BY: DATE
DSGN APPRVD	PG	26.09.16
KKS APP		P. Grage 26.09.16
D.O. AUTH		840365
CHKD BY	PG	03.07.16
DRAWN BY	DFC	08.06.16
SCALE	AS SHOWN	

Jones & Wagener
Engineering & Environmental Consultants
P.O. Box 1414 Rivonia 2128 South Africa
Tel: (011) 803 1940 Fax: (011) 803 1943
www.jaws.co.za Email: jaw@jaws.co.za

Eskom Enterprises

ESKOM HOLDINGS SOC Ltd.
MAJUBA POWER STATION
EXTENSION OF ASH DISPOSAL FACILITY
POLLUTION CONTROL DAMS
ASH DAM 1 SILT TRAP - CONCRETE DETAILS SHT 1 of 2

F224-06-008

0.66/99355

SPF CODE	SHEET	REV
	5	0