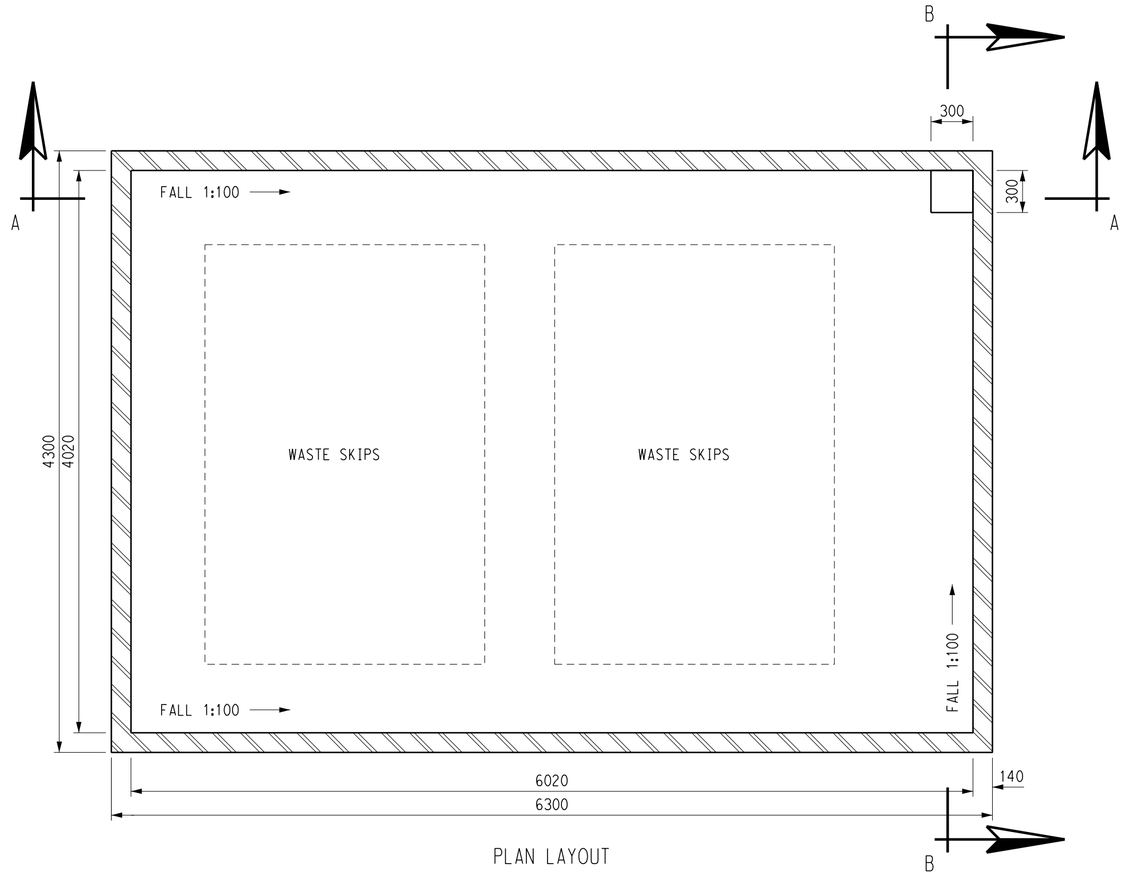
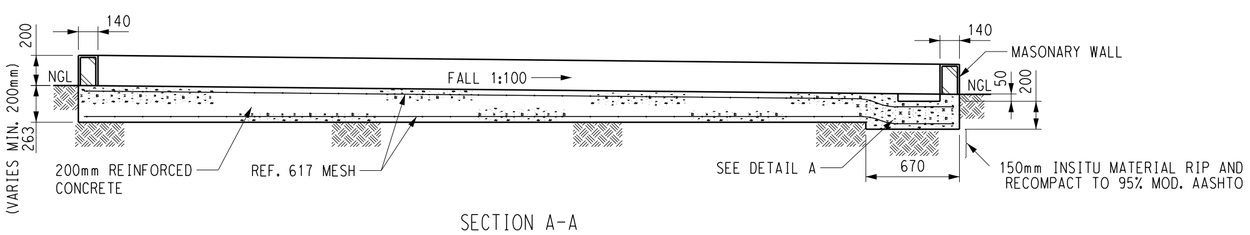
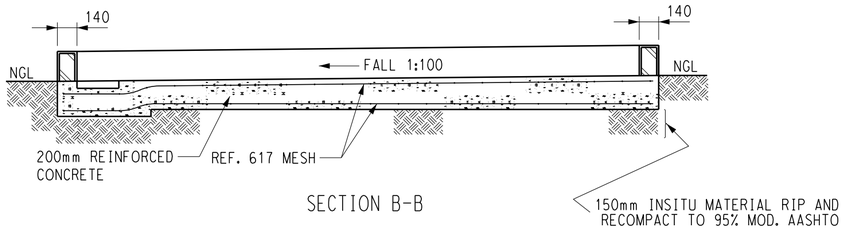


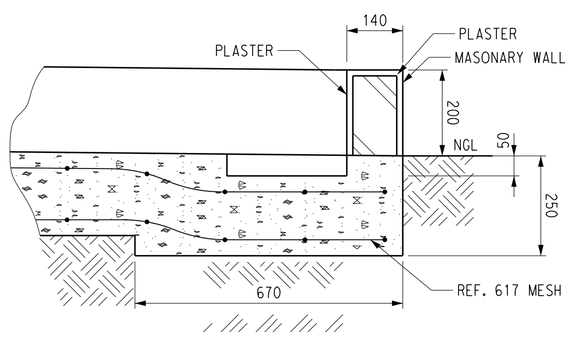
PLAN LAYOUT



SECTION A-A



SECTION B-B



DETAIL A

NOTES:

CONCRETE NOTES:
ALL WORK IS TO BE EXECUTED IN ACCORDANCE WITH SANS 1200, THE NATIONAL BUILDING REGULATIONS - SANS 10400 & SANS 2001-CC1/CC2.
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 PARTICULAR LOADS: DESIGNED SLAB FOR 12m³ WASTE SKIP LOAD.

2. CONCRETE:
2.1 BLINDING: GRADE 10MPa MINIMUM THICKNESS 50mm.
2.2 STRENGTH: GRADE 30MPa.
2.3 CURING: CONCRETE SURFACES ARE TO BE CURED IN ACCORDANCE WITH SANS 1200G.
2.4 W/C RATIO: 0.40 - 0.45.

3. PLASTER:
3.1 ALL FACES OF BRICK WALLS TO BE PLASTED WITH 15 - 20mm THICK CEMENT-SAND PLASTER (1:3 MIX RATIO).
3.2 ALL INTERNAL WALL SURFACES SHALL RECEIVE AN APPROVED CHEMICAL RESISTANT EPOXY COATING APPLIED TO THE PLASTERED SURFACE. THE EPOXY SYSTEM SHALL BE APPROVED BY THE ENGINEER PRIOR TO APPLICATION.

REINFORCEMENT NOTES:
1. ALL REINFORCEMENT SHALL BE INSPECTED AND APPROVED BY THE RESPONSIBLE ENGINEER PRIOR TO CASTING OF CONCRETE.
2. SLAB REINFORCEMENT: REF 617 MESH (TOP AND BOTTOM WHERE SHOWN ON DRAWINGS).
3. MINIMUM COVER TO OUTERMOST LAYER OF STEEL, INCLUDING LINKS: 40mm UNLESS OTHERWISE SPECIFIED.
4. REINFORCEMENT SHALL BE CLEAN AND FREE FROM LOOSE RUST, OIL, MUD OR OTHER DELETERIOUS MATERIAL.
5. MESH OVERLAPS TO BE MINIMUM 300mm UNLESS OTHERWISE SPECIFIED.
6. APPROVED SPACERS AND REINFORCEMENT STOOLS SHALL BE USED TO MAINTAIN SPECIFIED COVER AND POSITIONING DURING CASTING.

EARTHWORKS NOTES:
ALL WORK IS TO BE EXECUTED IN ACCORDANCE WITH SANS 1200 & THE SOUTH AFRICAN 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: 150kPa.

2. GENERAL:
2.1 FIELD AND LABORATORY TESTS ARE TO BE SUBMITTED TIMEOUSLY TO THE ENGINEER (WHERE APPLICABLE).
2.2 LEVEL SURVEYS ARE TO BE SUBMITTED TIMEOUSLY TO THE ENGINEER (WHERE APPLICABLE).
2.3 CUT SLOPES TO BE AT A MAXIMUM OF 1:1.5 UNLESS OTHERWISE SPECIFIED.
2.4 FILL SLOPES TO BE AT A MAXIMUM OF 1:2 UNLESS OTHERWISE SPECIFIED.
2.5 PROVISION FOR TEMPORARY STORMWATER CONTROL TO BE MADE BY THE CONTRACTOR.

3. MATERIAL:
3.1 FOUNDING MATERIAL IS TO BE APPROVED BY THE ENGINEER.
3.2 MATERIAL DEEMED UNSUITABLE SHALL BE AGREED UPON WITH THE ENGINEER AND SPOILED AT A REGISTERED DUMP SITE.
3.3 BACKFILL IS TO COMPRISE OF SELECTED APPROVED GRANULAR MATERIAL.
3.4 BACKFILL IS TO BE COMPACTED TO 95% MOD. AASHTO @ ± 2% OMC.
3.5 BACKFILL LAYERS NOT TO EXCEED 150mm IN THICKNESS.

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18	0a		FIRST ISSUE, CREATED AS PER REQUEST AS PER NOTIF: 27745639.	S.DK					

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PORT REX POWER STATION

SECTION AND DETAILS
STATION
WASTE SKIPS
CONTAINMENT AREA

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SIZE GROOTTE A2L