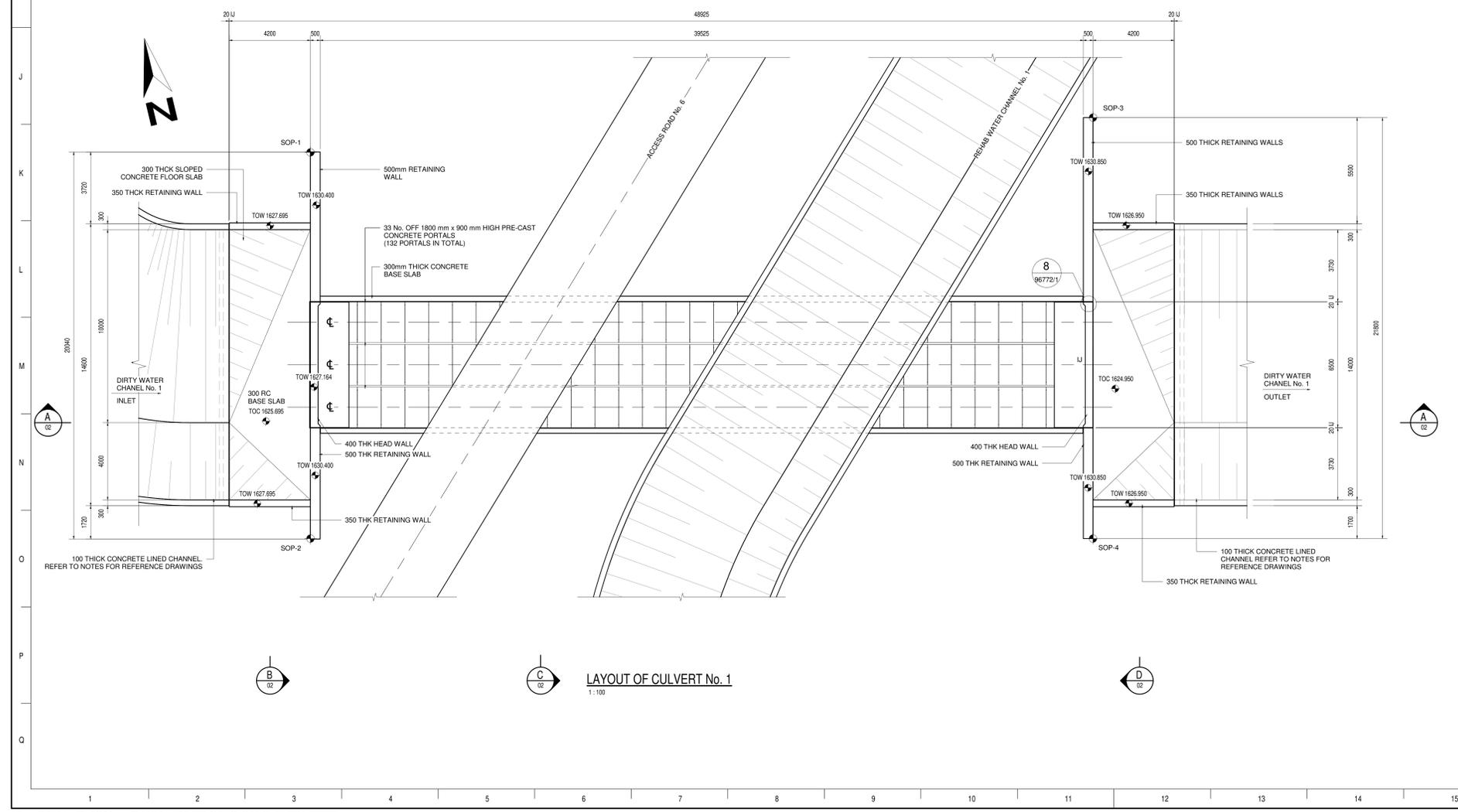


BASE SLAB PLAN OF CULVERT No. 1
1:100

BASE SLAB TO BE CAST IN ALTERNATING PANELS



LAYOUT OF CULVERT No. 1
1:100

COORDINATE LIST (WGS - L029)		
POINT	Y - COORD	X - COORD
SOP-1	39088.315	-2962899.252
SOP-2	39093.711	-2962918.715
SOP-3	39028.166	-2962906.828
SOP-4	39023.148	-2962928.042

NOTES:

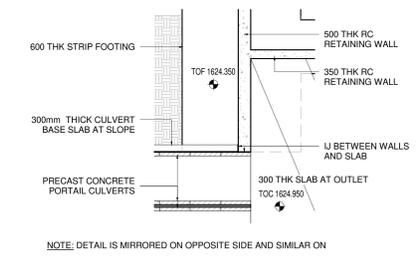
- GENERAL**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT REFERENCE DRAWINGS AND TYPICAL DETAILS DRAWINGS LISTED IN THE REFERENCE DRAWINGS TABLE.
 - ALL DIMENSIONS ON THIS DRAWING ARE IN MILLIMETERS.
 - ALL DISCREPANCIES BETWEEN THIS DRAWING AND SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
 - THE ENGINEER REQUIRES 24HRS NOTICE FOR ALL INSPECTIONS.

- EARTHWORKS**
- THE MAXIMUM SAFE BEARING PRESSURE 150kPa.
 - ENGINEER TO CONFIRM LEVEL OF TOP OF FOUNDATION ON SITE BEFORE EXCAVATION COMMENCES.
 - NO BACKFILLING SHALL COMMENCE UNTIL PERMISSION TO DO SO HAS BEEN GIVEN BY THE ENGINEER. BACKFILLING SHALL BE COMPACTED IN 150 mm LAYERS.

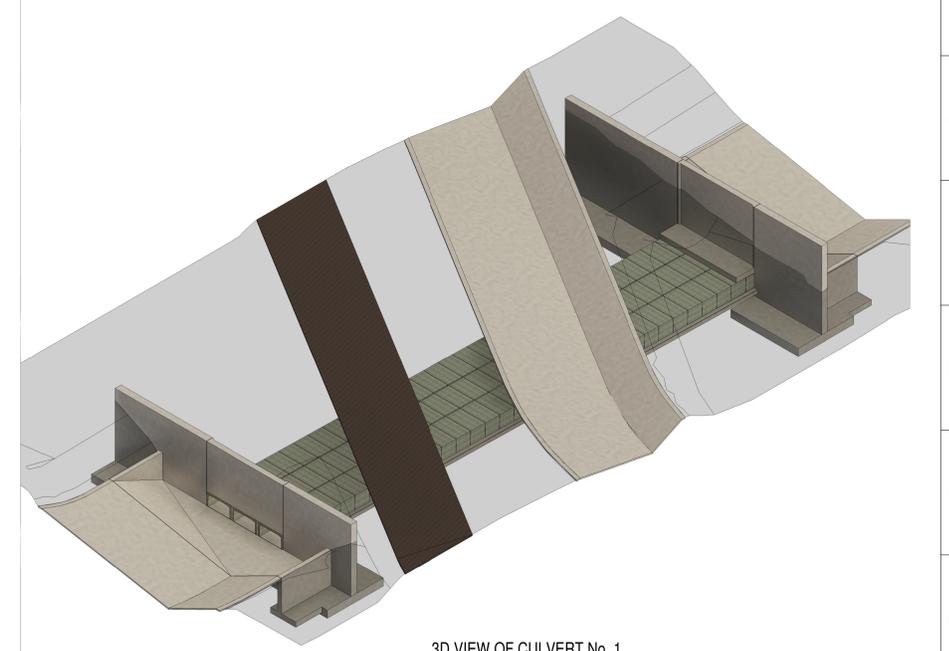
- CONCRETE**
- ALL CONCRETE WORK TO COMPLY WITH SABS 1200G.
 - ALL CULVERTS TO COMPLY WITH SABS 986.
 - CONCRETE GRADE STRIP FOUNDATIONS - 30/20
 - RETAINING WALLS - 30/20
 - BASE SLABS - 30/20
 - BLINDING & MASS CONCRETE - 15/20
 - ALL REBAR TO BE INSPECTED BY THE ENGINEER PRIOR TO CASTING CONCRETE.
 - EXPOSED RETAINING WALL AND HEADWALL SURFACES ARE TO HAVE A SMOOTH FINISH AND HIDDEN SURFACES TO HAVE A ROUGH FINISH.
 - ALL FOUNDATION EXCAVATIONS AND LEVELS TO BE INSPECTED BY THE ENGINEER PRIOR TO CASTING OF CONCRETE.
 - BASE SLAB TO BE CAST IN ALTERNATING PANELS WITH MOVEMENT JOINTS (MJ) AS DETAILED IN THE TYPICAL DETAILS DRAWINGS.
 - BASE SLAB AND CONCRETE SLABS TO BE HAVE A WOOD FLOAT FINISH.
 - THE MINIMUM CONCRETE COVER TO ALL REINFORCEMENT IS 50 mm.
 - SIX CUBES TO BE TAKEN PER POUR, THREE TO BE TESTED AT SEVEN DAYS, THE REMAINDER AT TWENTY EIGHT DAYS. THE RESULTS TO BE FORWARDED TO THE ENGINEER TIMEOUSLY.
 - ALL STRUCTURAL CONCRETE TO BE CURED FOR A MINIMUM OF FIVE DAYS. THE METHOD OF CURING SHALL BE APPROVED BY THE ENGINEER.
 - ALL EXPOSED CONCRETE CORNERS TO HAVE 20 x 20 mm CHAMFER.

- REFERENCE DRAWINGS**
- FOR GENERAL ARRANGEMENT AND CULVERT LOCALITY SEE DWG : 0.61/967346-03
 - FOR CULVERT TYPICAL DETAILS SEE DWG : 0.61/96772-01
 - FOR CULVERT LAYER WORKS SEE DWG : 0.61/96772-01
 - FOR ACCESS ROADS SEE DWG : 0.61/96772-01
 - FOR CHANNEL DETAILS SEE DWG : 0.61/96772-02
 - FOR REINFORCEMENT DETAILS SEE DWG : 0.61/96772-02
 - FOR JOINT DETAILS SEE DWG : 0.61/96773-20 - 0.61/96773-36
 - SEE DWG : 0.61/96772-01
 - BASE SLAB TO BE CAST IN ALTERNATING PANELS

- ABBREVIATIONS**
- TOC - TOP OF CONCRETE
 - TOF - TOP OF FOUNDATION
 - TOW - TOP OF WALL
 - SOP - SETTING OUT POINT
 - MJ - MOVEMENT JOINT
 - IJ - ISOLATION JOINT
 - NGL - NATURAL GROUND LEVEL



DETAIL 1
1:100



3D VIEW OF CULVERT No. 1

NO	DATE	INDEX REFERENCE	DATE	REV	CHD	BY	CHK	APP	REFERENCE	REFERENCE
01	31.09.22	ISSUED FOR TENDER							0.61/967346	GENERAL ARRANGEMENT & CULVERT LOCALITY
02	31.09.22	ISSUED FOR CONSTRUCTION							0.61/96772-01	CULVERT TYPICAL DETAILS
03	31.09.22								0.61/96773-20	REINFORCEMENT DETAILS
04	31.09.22								0.61/96773-36	REINFORCEMENT DETAILS
05	31.09.22								0.61/96772-01	ACCESS ROADS
06	31.09.22								0.61/96772-02	REINFORCEMENT DETAILS
07	31.09.22								0.61/96772-02	REINFORCEMENT DETAILS
08	31.09.22								0.61/96773-20	REINFORCEMENT DETAILS
09	31.09.22								0.61/96773-36	REINFORCEMENT DETAILS
10	31.09.22								0.61/96772-01	ACCESS ROADS
11	31.09.22								0.61/96772-02	REINFORCEMENT DETAILS
12	31.09.22								0.61/96773-20	REINFORCEMENT DETAILS
13	31.09.22								0.61/96773-36	REINFORCEMENT DETAILS
14	31.09.22								0.61/96772-01	ACCESS ROADS
15	31.09.22								0.61/96772-02	REINFORCEMENT DETAILS
16	31.09.22								0.61/96773-20	REINFORCEMENT DETAILS
17	31.09.22								0.61/96773-36	REINFORCEMENT DETAILS
18	31.09.22								0.61/96772-01	ACCESS ROADS
19	31.09.22								0.61/96772-02	REINFORCEMENT DETAILS
20	31.09.22								0.61/96773-20	REINFORCEMENT DETAILS
21	31.09.22								0.61/96773-36	REINFORCEMENT DETAILS
22	31.09.22								0.61/96772-01	ACCESS ROADS

ISSUED FOR TENDER

THIS DRAWING HAS BEEN CREATED ON A C.A.D. SYSTEM
ANY AMENDMENT MUST BE EFFECTED ON THE SAME SYSTEM

**TUTUKA POWER STATION
ASH DISPOSAL FACILITY
SITE SERVICES
CULVERT No. 1 (1 OF 2)**

SCALE	0.61 / 96773	SHEET	01	REV	01
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