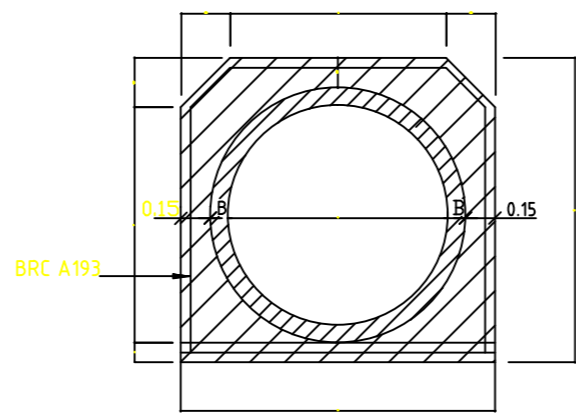
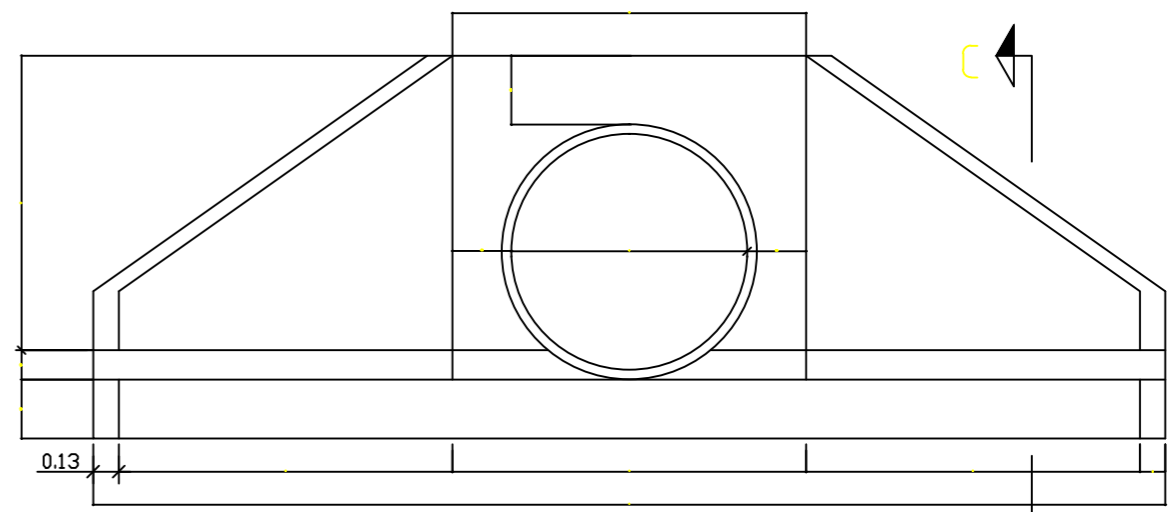


SECTION C - C.

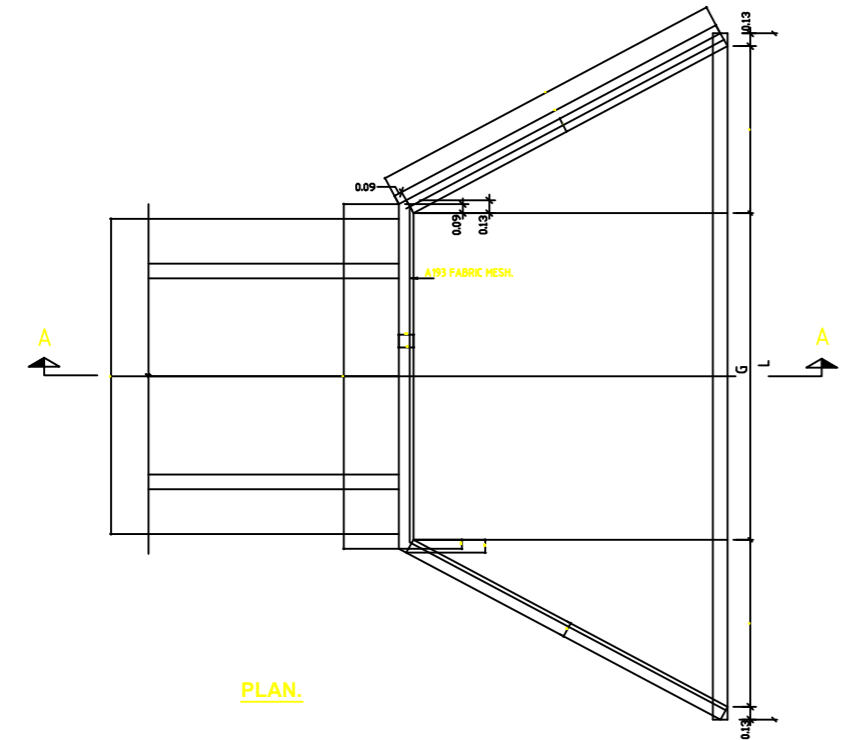


SECTION B - B.

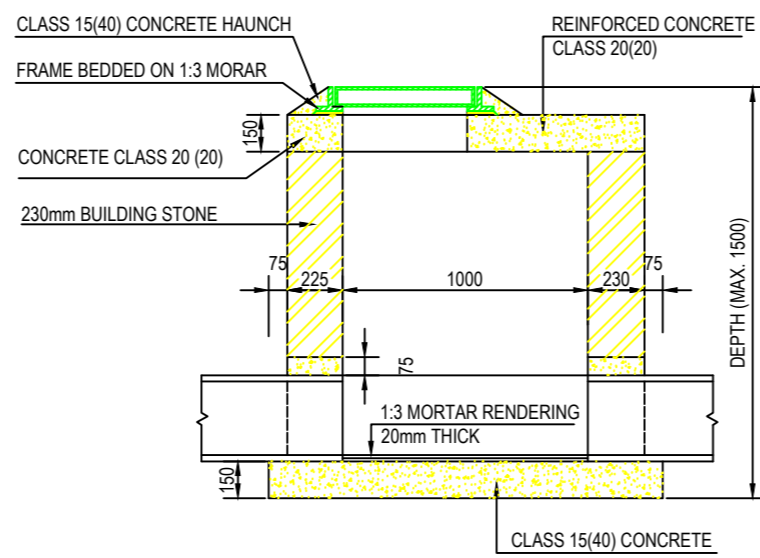


FRONT ELEVATION.

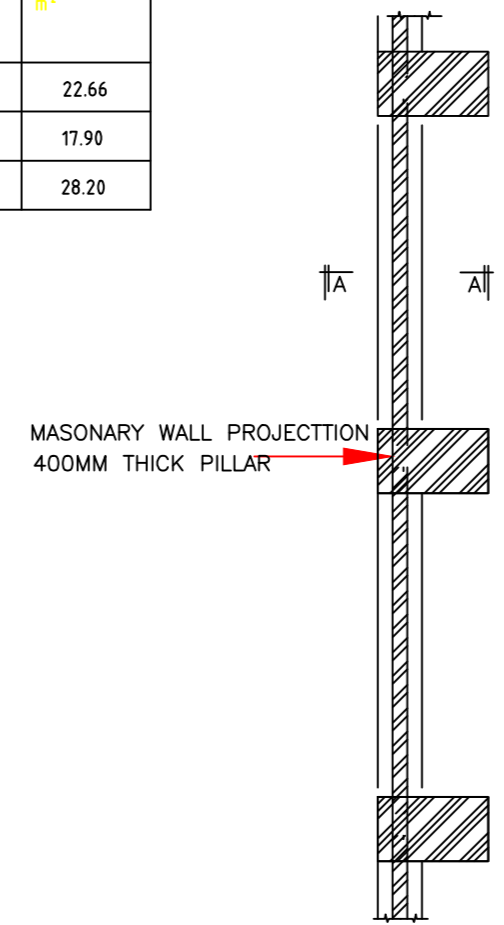
CULVERT	A m	B m	C m	D m	E m	F m	G m	H m	J m	K m	L m	M m	N m	P m	CONCRETE CLASS 25/20 INLET AND OUTLET.	CONCRETE CLASS 15/20 SURROUNDING & BEAM PER RUNNING METRE.	A193 FABRIC MESH REIN- FORCEMENT m <sup>2</sup>
1x0.60m. DIA.	0.60	0.05	1.00	0.50	0.95	0.60	1.20	0.95	1.70	1.00	3.46	1.97	2.06	1.38	3.20	0.51	22.66
2x0.60m. DIA.	2x0.60	0.05	1.85	1.35	0.95	0.60	2.05	0.95	1.70	1.00	4.31	1.97	2.06	2.23	2.56	0.93	17.90
1x0.90m. DIA.	0.90	0.07	1.34	0.84	1.29	0.94	1.50	1.25	2.30	1.30	4.36	2.64	2.73	1.68	4.08	0.82	28.20



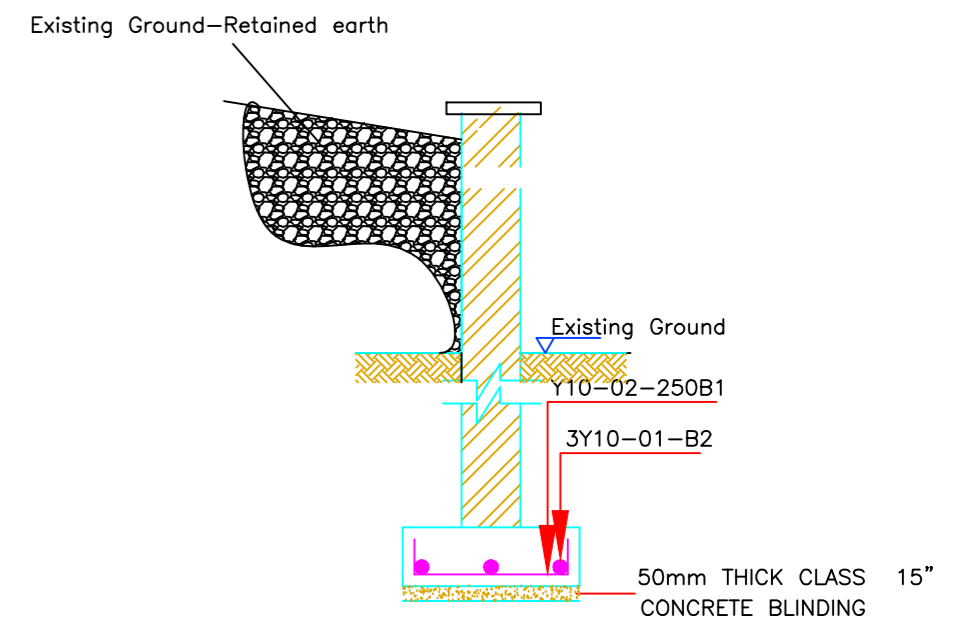
PLAN.



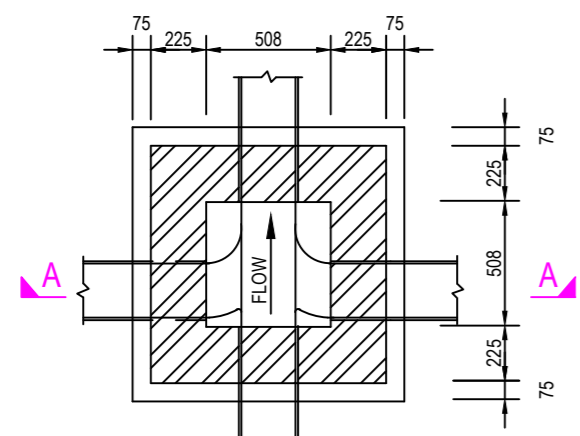
SECTION B-B



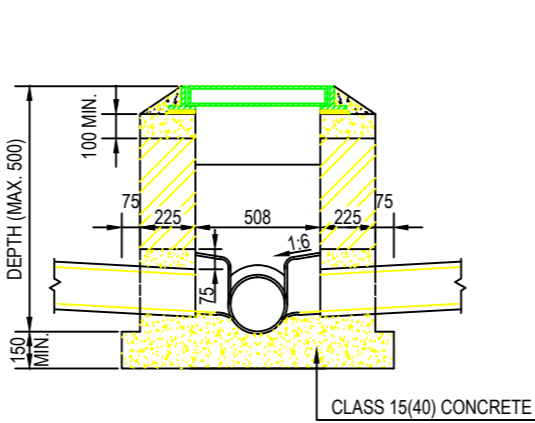
TYPICAL RETAINING WALL



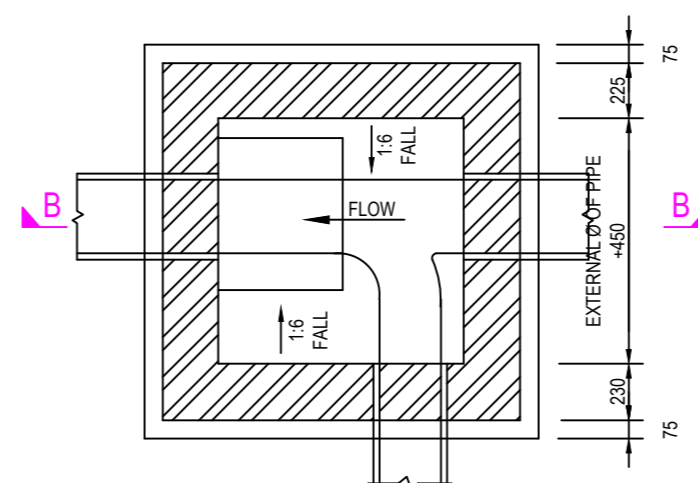
SECTION A-A



PLAN  
MANHOLE TYPE 'A'



SECTION A-A



PLAN  
MANHOLE TYPE 'B'

SECTION B-B

NOTES.

- A193 Fabric mesh reinforcement to B.S. 4483 to be placed as shown.
- Level and slope of the pipe shall be as instructed by the Engineer on site.
- All dimensions are in metres unless otherwise stated.
- Min. concrete surround for 1.2m pipe will be 200mm and for slab 150mm and not 150mm and 100mm as shown in section B-B.
- 600mm culverts to be used only at intersections with township roads and minor accesses.
- Cover to BRC mesh to be 40mm.
- PCC pipes to be manufactured in compliance with Section 17 of Standard Specification for the Road and Bridge Construction - 1986.
- All excavations for foundation to be approved by the Engineer on site before commencement of concrete work for each foundation.

	DATE	SIGN
APPROVED		
CHECKED ENGINEER I/C		
CHECKED P/ D'MAN	L.Obaro	
CHECKED CIVIL ENG.	D.Mwaniki	
DRAWN	JUNE 2013	J.M.Kahare
DIGITIZED		

REF	REVISION	DATE	SIGN	CHECKED	DATE

**KILIFI 132/ 33 KV SUBSTATION DRAINAGE AND CIVIL WORKS  
DETAILS**



**K.P.&.L.Co.Ltd**