



General Notes

EXCAVATION VOLUME:	93,386m ³
STORAGE CAPACITY:	98,788m ³
EMBANKMENT VOLUME:	3,753m ³
EMBANKMENT BASE WIDTH:	14m
EMBANKMENT LENGTH:	365m
FETCH:	179m
MAXIMUM WALL HEIGHT:	2m
MAXIMUM WATER DEPTH:	4m
CREST WIDTH:	4m
CREST LEVEL:	208.50mams l
CONVEYANCE-OFF PIPE:	55m Ø100mm
SUCTION PIPE:	5m LONG 100mm Ø
IMPOUNDED AREA:	21,800m ²
GROSS FREE BOARD:	1.5m
GATE:	4m
FENCE LENGTH:	774m
COLLECTION CHANNELS:	240m
EMBANKMENT SLOPES -UPSTREAM:	1:2.5
DOWN STREAM:	1:2.5
SIDE SLOPES:	1:2.5
SPILLWAY EXCAVATION VOLUME:	
SPILLWAY BOTTOM WIDTH:	10m
SPILLWAY LENGTH:	374m
SPILLWAY SIDE SLOPES:	1:1

SURVEYED AND DRAWN BY:

GODFREY MWANGI

DESIGNED BY:

PETER KIOKO

CHECKED BY:

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APPROVED BY:

ENG. CALVIN MUSUNGU.

No.	Revision/Issue	Date

Project Name and Address
 ABAQFIN WATER PAN
 WAJIR - COUNTY

Project	IRRIGATION	Sheet	
Date	08/04/2025	2 of 6	
Scale	1:1000	PRINT ON A4 PAPER SIZE	