

ABATTOIR DATA		
DESCRIPTION	PHASE 1	PHASE 2
SYSTEM DETAIL		
SLAUGHTER CAPACITY PER DAY (broilers/day)	16000.00	32000.00
AVERAGE DAILY WATER USE (kl/day)	400.00	800.00
PRODUCTION DETAIL		
FRESH CHICKEN (ton/day)	23.36	46.72
EDIBLE OFFAL (ton/day)	3.61	7.22
WASTE GENERATED		
FEATHERS TO PROTEIN PLANT (ton/day)	2.10	4.20
ROUGH OFFAL TO PROTEIN PLANT (ton/day)	1.94	3.89
BLOOD TO PROTEIN PLANT (ton/day)	0.99	1.97
FAT AND SCREENINGS TO PROTEIN PLANT (ton/day)	1.30	2.60
SEWAGE STREAM (kl/day)	8.00	16.00
EFFLUENT STREAM (kl/day)	380.00	760.00

NOTES
 THE LAYOUT SHOWN IN THIS DRAWING IS A TYPICAL SCHEMATIC LAYOUT OF AN ABATTOIR AND DOES NOT REPRESENT THE ABATTOIR LAYOUT AT FUNDA MLIMI AT ALL.

ALL STORM WATER FROM THE ROOFS AND THE PAVED ROAD SECTIONS WILL BE COLLECTED INTO STORM WATER DRAINS AND PIPED GRAVITATIONALLY TO A LOGICAL POSITION AND LET LOSE AS NATURAL SURFACE DRAINAGE WATER (NOT SHOWN IN LAYOUT). ALL CATCH BASINS AND DRAINS WILL BE FITTED WITH STRAINERS AND CATCH BASKETS TO STRAIN ANY POSSIBLE FEATHERS AND OTHER UNNATURAL DEBRE.

POTABLE WATER WILL BE OBTAINED FROM THE REGIONAL WATER SUPPLY AND COLLECTED IN A RESERVOIR WITH CAPACITY FOR 48 HOUR USE (NOT SHOWN ON SCHEMATICALLY LAYOUT).

ALL ROADS WITHIN THE COMPOUND WILL BE PAVED.

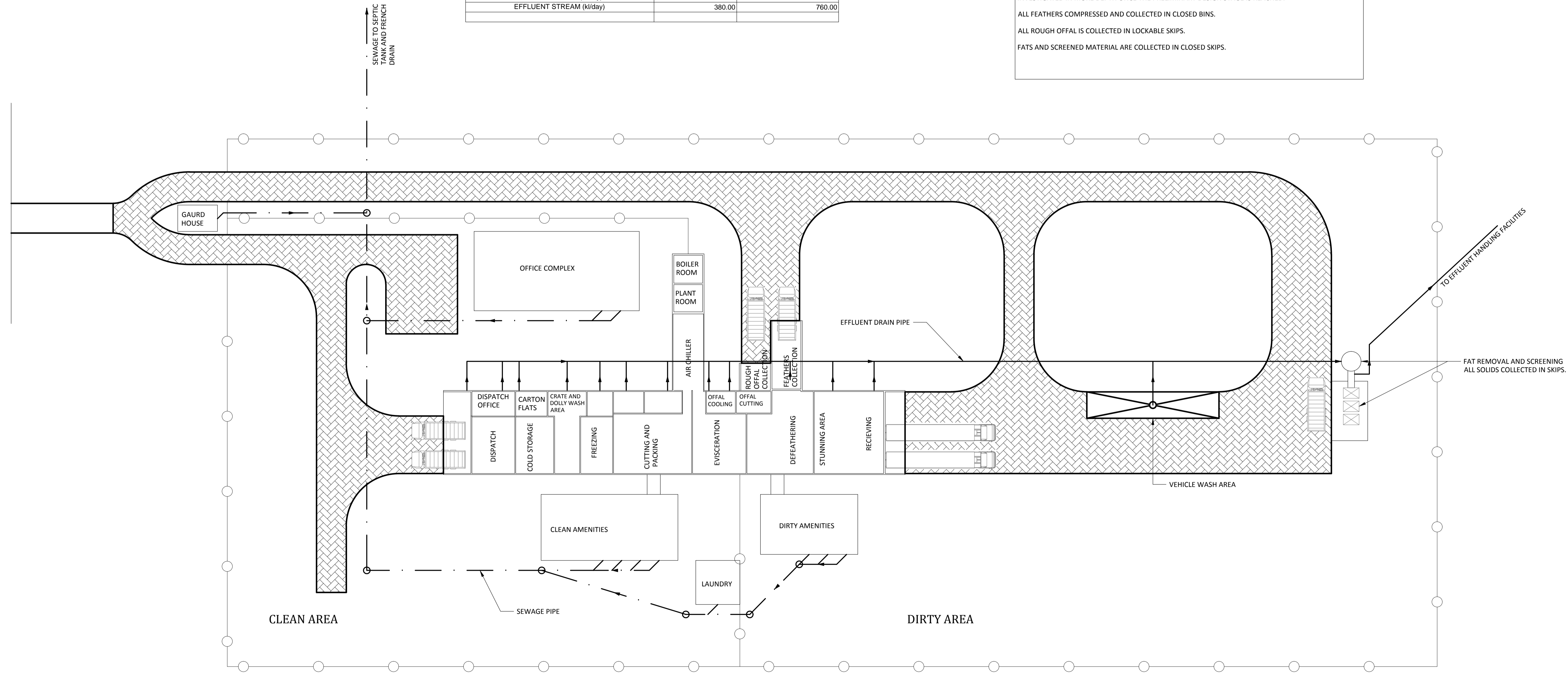
AREAS NOT COVERED BY INFRASTRUCTURE WILL GRASSED AND WELL MAINTAINED TO LIMIT DUST.

PRESENTLY, A GRAVITY FED, POUNDING EFFLUENT HANDLING SCHEME IS PLANNED CONSISTING OF ANAEROBIC, AEROBIC, FACULTATIVE AND MATURATION POND SYSTEM. FOR AN ABATTOIR OF THIS SIZE IT COULD WELL BE FINANCIALLY VIABLE TO UTILISE AN OF THE SHELF EFFLUENT BATCH PLANT. THIS WILL BE INVESTIGATED IN MORE DEPTH ONCE THE PRELIMINARY DESIGN STAGE IS REACHED.

ALL FEATHERS COMPRESSED AND COLLECTED IN CLOSED BINS.

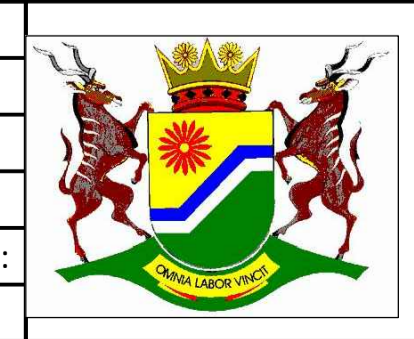
ALL ROUGH OFFAL IS COLLECTED IN LOCKABLE SKIPS.

FATS AND SCREENED MATERIAL ARE COLLECTED IN CLOSED SKIPS.



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REVISIONS



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 MEASUREMENTS ARE NOT VALID.

FUNDA MLIMI
PLANNED BROILER ABATTOIR

ABATTOIR GENERAL ARRANGEMENT PHASE 1
 PLAN VIEW OF TYPICAL LAYOUT

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