

Block L

LEGENDA

Existing wastewater network

Wastewater drain network

Grease wastewater drain network

Ventilation pipe network

Flow Direction

Floor Trap

Floor Gully

Wastewater Manhole

Grease Separator

Septic tank

Infiltration Pit

Existing Septic tank

Existing Infiltration Pit

① Ø... ③ i=...% ②

④

#MH n°...

CL=...

IBL=...

Ø... oD/ ...

#MH n°... - Name and number of manhole

CL=... - Cover Level of manhole

IBL=... - Inside Base Level of manhole

Ø... oD/ ... - Dimensions in plan of manhole

IL.I=... - Invert Level of Inlet pipe of manhole

IL.O=... - Invert Level of Outlet pipe of manhole

BRANCH DISCHARGE PIPE

TRAP SEAL

Appliances

DN
(mm)

m
(mm/m)

(mm)

Wb - Wash basin

40

20-40

30

Wc - Water closet

90

20-40

-

Bd - Bidet

40

20-40

30

Bt - Bathtubs

40

20-40

30

S - Sink

50

20-40

50

Dw - Dishwashing machine

50

20-40

50

Wm - Washing machine

50

20-40

50

Sh - Shower

40

20-40

30

Ls- Laundry sink

50

20-40

50

Ur - Urinal

50

20-40

50

Co - Condensates

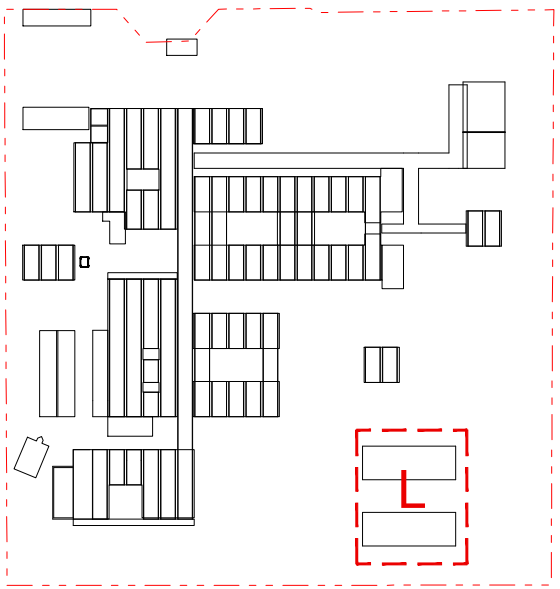
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20-40

32

MATERIALS

All gravity drain pipes will be carried out by PVC-U, in accordance with the standard NP EN 1329.
Manhole covers will be made of cast iron. Inside the building covers shall be recessed, to receive the same finishing as the surrounding floor.
Where trenches depth is such that the drains cover is less than 1.00m and subjected to traffic load, they shall be reinforced according with the proper detail.



REVISION	DATE	IN CHARGE
COMPANY TITLE		in cooperation with:
 am pc engineering & architecture consultants		 jfa engineering
PROJECT NAME		
Rehabilitation of the Saudi Maternity Hospital Kassala Health Citadel Sudan		
TECHNICAL PROJECT Hydraulic WASTEWATER DRAINAGE		
PROJECT STATUS DETAILED DESIGN		
DRAWING NAME First Floor - Block L		
DATE 2020/03/06	LAYOUT ID PLT.005	
DRAWING SCALE 1/100		
HWD.01.PLT.005		