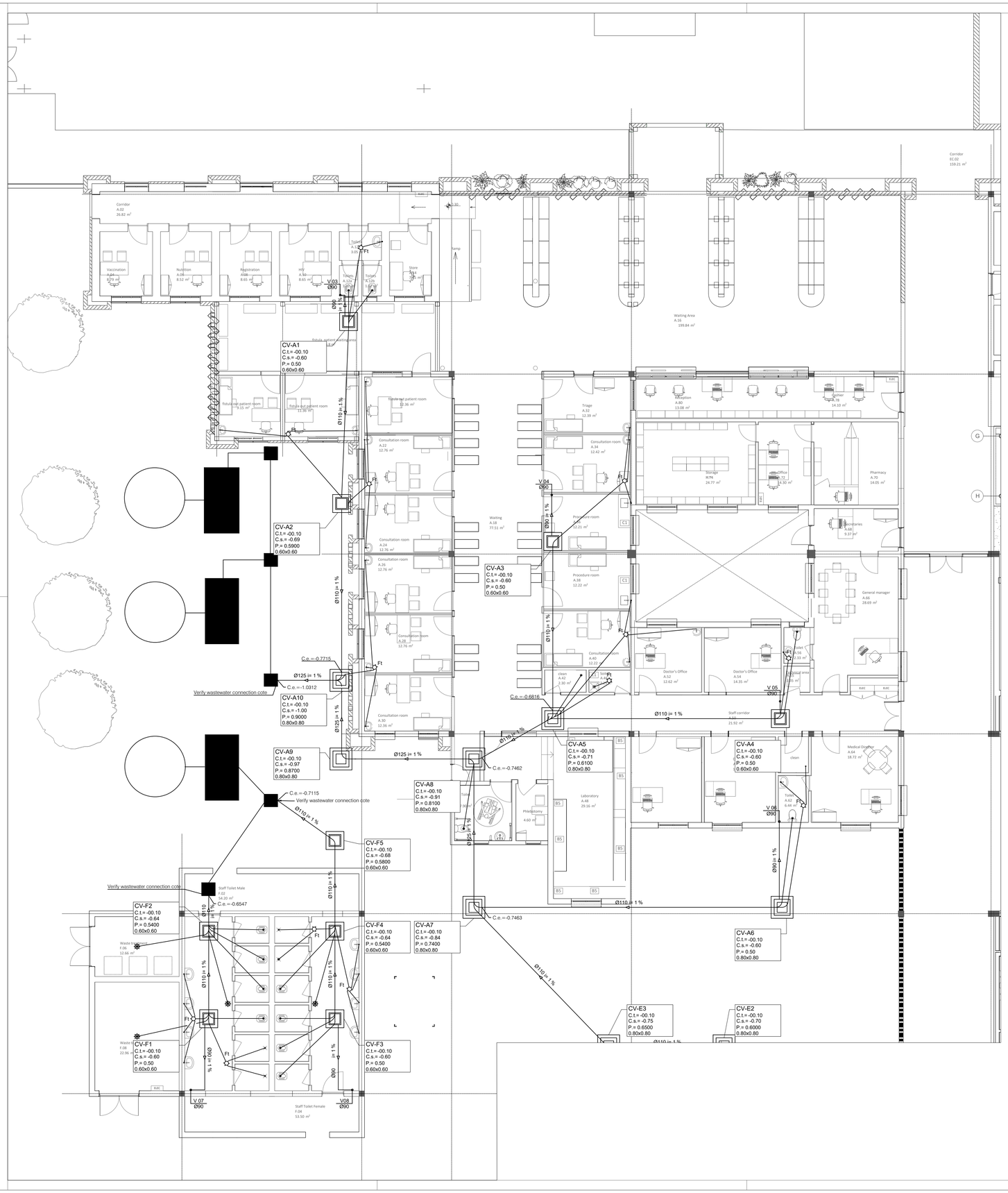
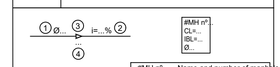


LEGENDA	
	Existing wastewater network
	Wastewater drain network
	Grease wastewater drain network
	Ventilation pipe network
	Flow Direction
	Floor Trap
Fg	Floor Gully
	Wastewater Manhole
	Grease Separator
	Septic tank
	Infiltration Pit
	Existing Septic tank
	Existing Infiltration Pit



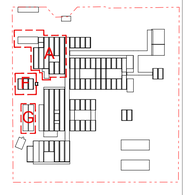
1 - Diameter
2 - Slope
3 - Flow-in direction of arrow
4 - Material

#MH nº... - Name and number of manhole
CL=... - Cover Level of manhole
IBL=... - Inside Base Level of manhole
Ø... ouØ / ... - 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)	I (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	32	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 trafic load, they shall be reinforced according with the proper detail.



REVISION	DATE	IN CHARGE

COMPANY TITLE

in cooperation with:

ampc Engineering & Health Consultants

jfa

PROJECT NAME

Rehabilitation of the Saudi Maternity Hospital
Kassala Health Citadel
Sudan

TECHNICAL PROJECT
Hydraulic
WASTEWATER DRAINAGE

PROJECT STATUS
DETAILED DESIGN

DRAWING NAME
Ground Floor - Blocks A, F and G

DATE
2020/03/06

LAYOUT ID
PLT.001

DRAWING SCALE
1/100

HWD.01.PLT.001