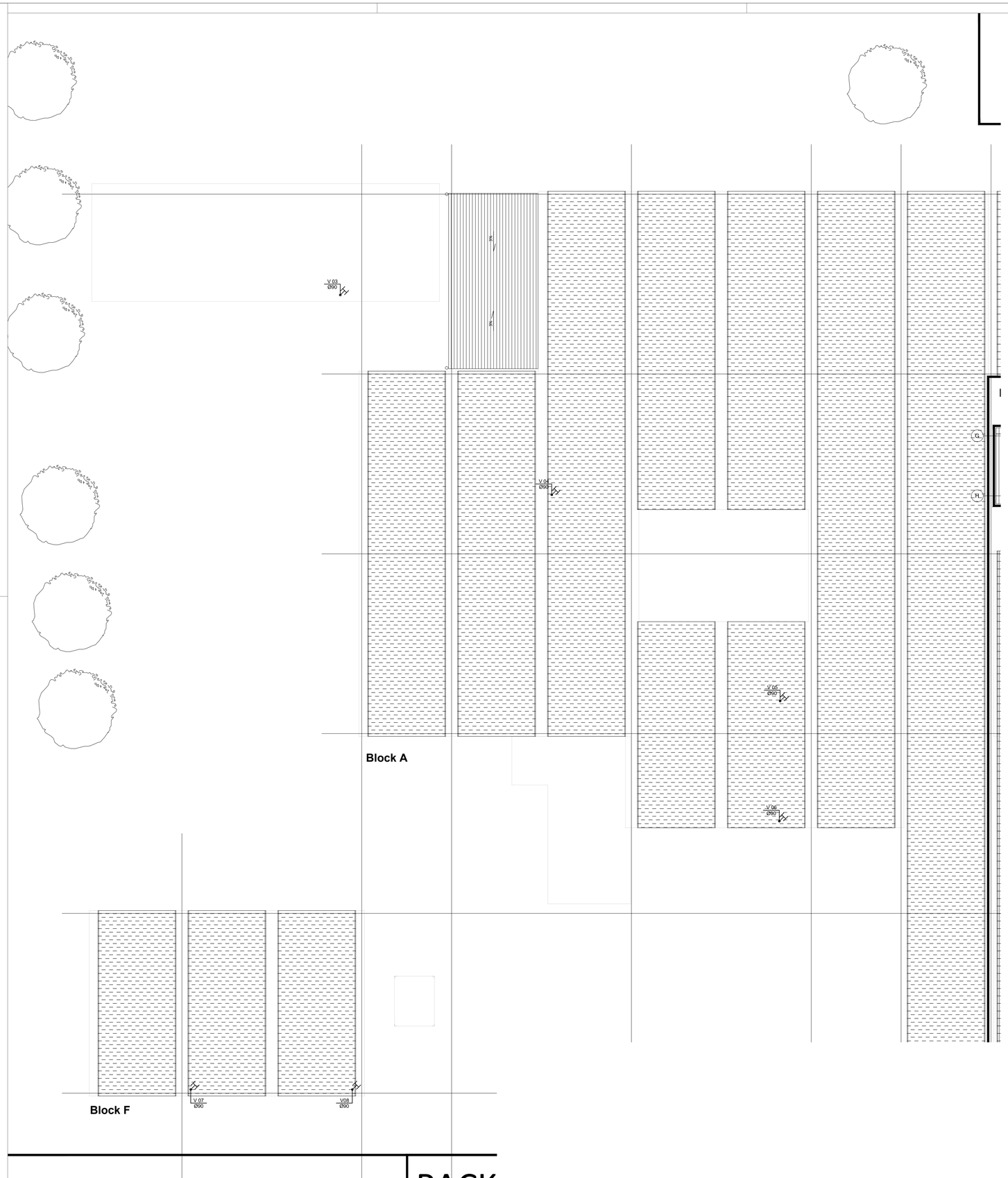



| LEGENDA | |
|---|---|
| | Existing wastewater network |
| | Wastewater drain network |
| | Grease wastewater drain network |
| | Ventilation pipe network |
| | Flow Direction |
| | Floor Trap |
| Fg | Floor Gully |
| | Wastewater Manhole |
| | Grease Separator |
| | Septic tank |
| | Infiltration Pit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

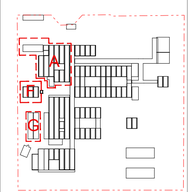

1 - Diameter
2 - Slope
3 - Flow-in direction of arrow
4 - Material

#MH n°... – Name and number o
CL=... – Cover Level of manhole
IBL=... – Inside Base Level of ma
ø... □ / ... – Dimensions in plar
IL.I=... – Invert Level of Inlet pipe
IL.O=... – Invert Level of Outlet pi

| 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
jfa

PROJECT NAME

Rehabilitation of the Saudi Maternity Hospital
Kassala Health Citadel
Sudan

TECHNICAL PROJECT
Hydraulic
WASTEWATER DRAINAGE

PROJECT STATUS
DETAILED DESIGN

DRAWING NAME
Roof - Blocks A, F and G

DATE
2020/03/06

LAYOUT ID
PLT.006

DRAWING SCALE
1/100

HWD.01.PLT.006