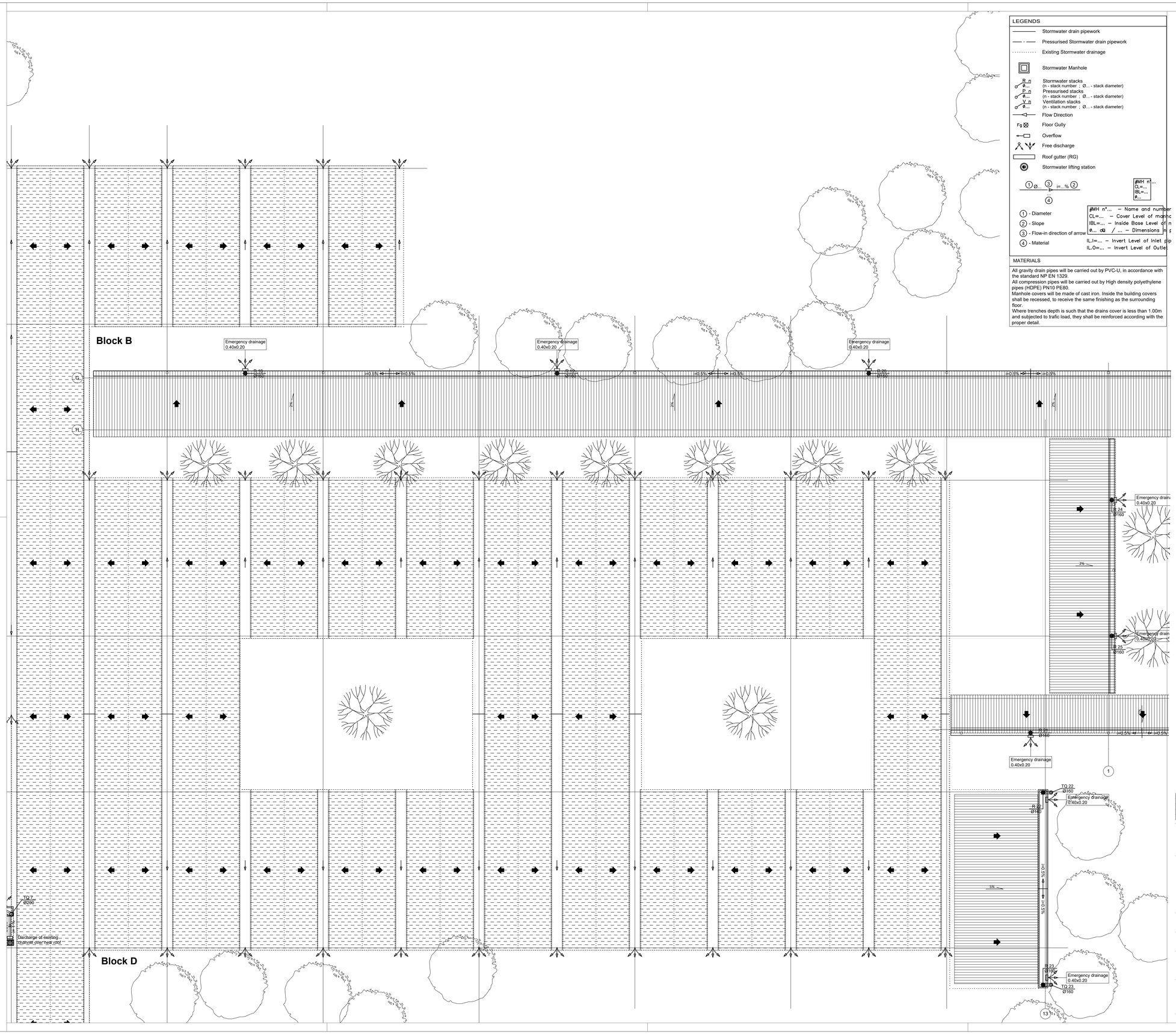


## LEGENDS

- Stormwater drain pipework
- Pressurised Stormwater drain pipework
- Existing Stormwater drainage
- Stormwater Manhole
- R n — Stormwater stacks (n - stack number ; Ø... - stack diameter)
- P n — Pressurised stacks (n - stack number ; Ø... - stack diameter)
- V n — Ventilation stacks (n - stack number ; Ø... - stack diameter)
- Flow Direction
- Fg — Floor Gully
- Overflow
- Free discharge
- Roof gutter (RG)
- Stormwater lifting station

1 Ø... 3 i=...% 2
4

MH n°...
CL=...
IBL=...
Ø...

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

MH n°... – Name and number
CL=... – Cover Level of manho
IBL=... – Inside Base Level of n
Ø... □ / ... – Dimensions
IL.I=... – Invert Level of Inlet pip
IL.O=... – Invert Level of Outlet

## MATERIALS

All gravity drain pipes will be carried out by PVC-U, in accordance with the standard NP EN 1329.
All compression pipes will be carried out by High density polyethylene pipes (HDPE) PN10 PE80.
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:

PROJECT NAME

Rehabilitation of the Saudi Maternity Hospital
Kassala Health Citadel
Sudan

TECHNICAL PROJECT
Hydraulic
STORM WATER DRAINAGE

PROJECT STATUS
DETAILED DESIGN

DRAWING NAME
Roof - Blocks B and D

DATE
2020/03/06

LAYOUT ID
PLT.007

DRAWING SCALE
1/100

HSD.01.PLT.007