



- Vd1 = SELF-WEIGHT OF DAM
- Vd2 = WEIGHT OF WATER ON UPSTREAM SURFACE
- Vd3 = UPLIFT PRESSURE
- Vd4 = WEIGHT OF WATER ON DOWNSTREAM SURFACE
- H1 = UPSTREAM LATERAL WATER PRESSURE
- H2 = HYDROSTATIC PRESSURE FROM SOIL OR DEPOSIT SEDIMENTS
- H2a = HYDROSTATIC LOAD FROM SOIL OR DEPOSIT SEDIMENTS HELD BY INNER PILLAR
- H2b = HYDROSTATIC LOAD FROM SOIL OR DEPOSIT SEDIMENTS HELD BY OUTER PILLAR
- H3 = ICE PRESSURE
- H3a = HYDRODYNAMIC AND HYDROSTATIC ICE LOAD HELD BY INNER PILLAR
- H3b = HYDRODYNAMIC AND HYDROSTATIC ICE LOAD HELD BY OUTER PILLAR
- H4 = LOADS FROM FLOATING OBJECTS AND DEBRIS
- H4a = HYDROSTATIC LOADS FROM FLOATING OBJECTS AND DEBRIS HELD BY INNER PILLARS
- H4b = HYDROSTATIC LOADS FROM FLOATING OBJECTS AND DEBRIS HELD BY OUTER PILLARS
- H5 = DOWNSTREAM LATERAL WATER PRESSURE

NOTES

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		HeroX on behalf of DoE (USA)	
Z J ROZIC	31-01-2021	GROUNDBREAKING HYDRO FOUNDATION DESIGN	
-	31-01-2021	LOW HEAD	
-	31-01-2021	LAYOUT FLOW DIAGRAM	
-	31-01-2021	SHEET 2 OF 5 / SECTION	
J-2101-01	SC NTS	z-GbHydro-LFD-001-02	0