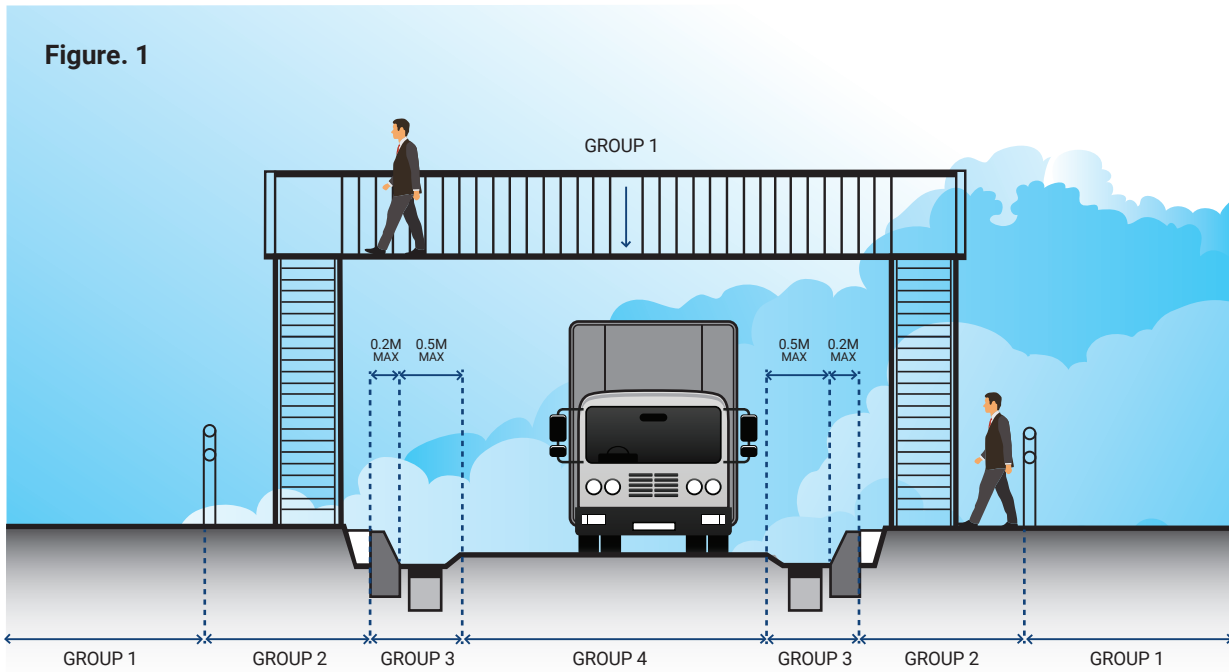


The appropriate class of manhole cover or gully grate to be used depends on the place of installation.

- The various places of installation have been divided into groups numbered 1 to 6.
- **Figure.1** shows the location of these groups in a highway environment.
- A guide as to which class of manhole top or gully top should be used is shown in parenthesis for each group below.



### A15 (GROUP 1)

Access covers and gratings capable of withstanding a 1.5 tonnes test load. For use in areas where only pedestrians and cyclists have access to.



### B125 (GROUP 2)

Access covers and gratings capable of withstanding a 12.5 tonnes test load. For use in car parks and pedestrian area where occasional vehicular access is likely.



### C250 (GROUP 3)

Access covers and gratings capable of withstanding a 25 tonnes test load. For use in areas where not extending more than 500mm from the kerb face into carriageway.



### D400 (GROUP 4)

Access covers and gratings capable of withstanding a 40 tonnes test load. For use in areas where cars and lorries have access, including carriageways, hard shoulders and pedestrian areas.



### E600 (GROUP 5)

Access covers and gratings capable of withstanding a 60 tonnes test load. For use in areas where heavy wheel loads are imposed such as loading areas, docks or aircraft pavements.



### F900 (GROUP 6)

Access covers and gratings capable of withstanding a 90 tonnes test load. For use in areas where very heavy wheel loads are imposed such as aircraft pavements.

Access covers and gully grates and frames are manufactured to published standard EN 124:2015. In the UK the standard is published as a British standard BS EN 124: 2015. This standard currently divides access covers and gully grates into classes by static test load. In addition these are categorised into appropriate applications where the products can be installed from Group 1 (the least demanding environment) through to Group 6 (the most demanding application) and providing guidance on the minimum class to be used against each group. Additionally in the UK further guidance is provided under BS7903:2020 and CD534.