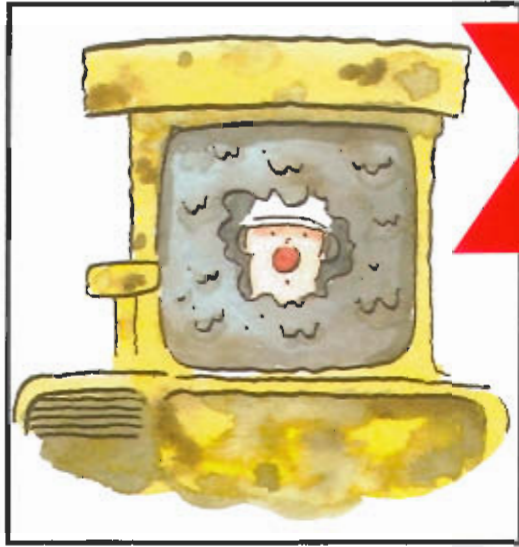
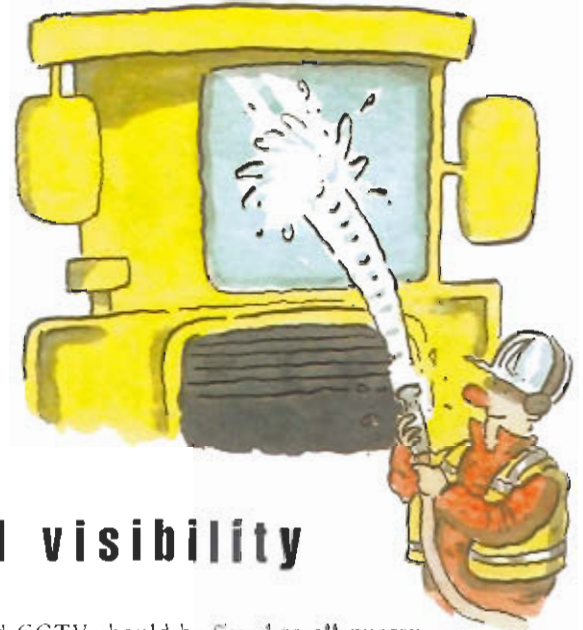


TRANSPORT



All-round visibility

- Convex mirrors and CCTV should be fitted to all quarry earthmoving vehicles so that the driver can see 1 metre out and 1 metre up all around the vehicle.

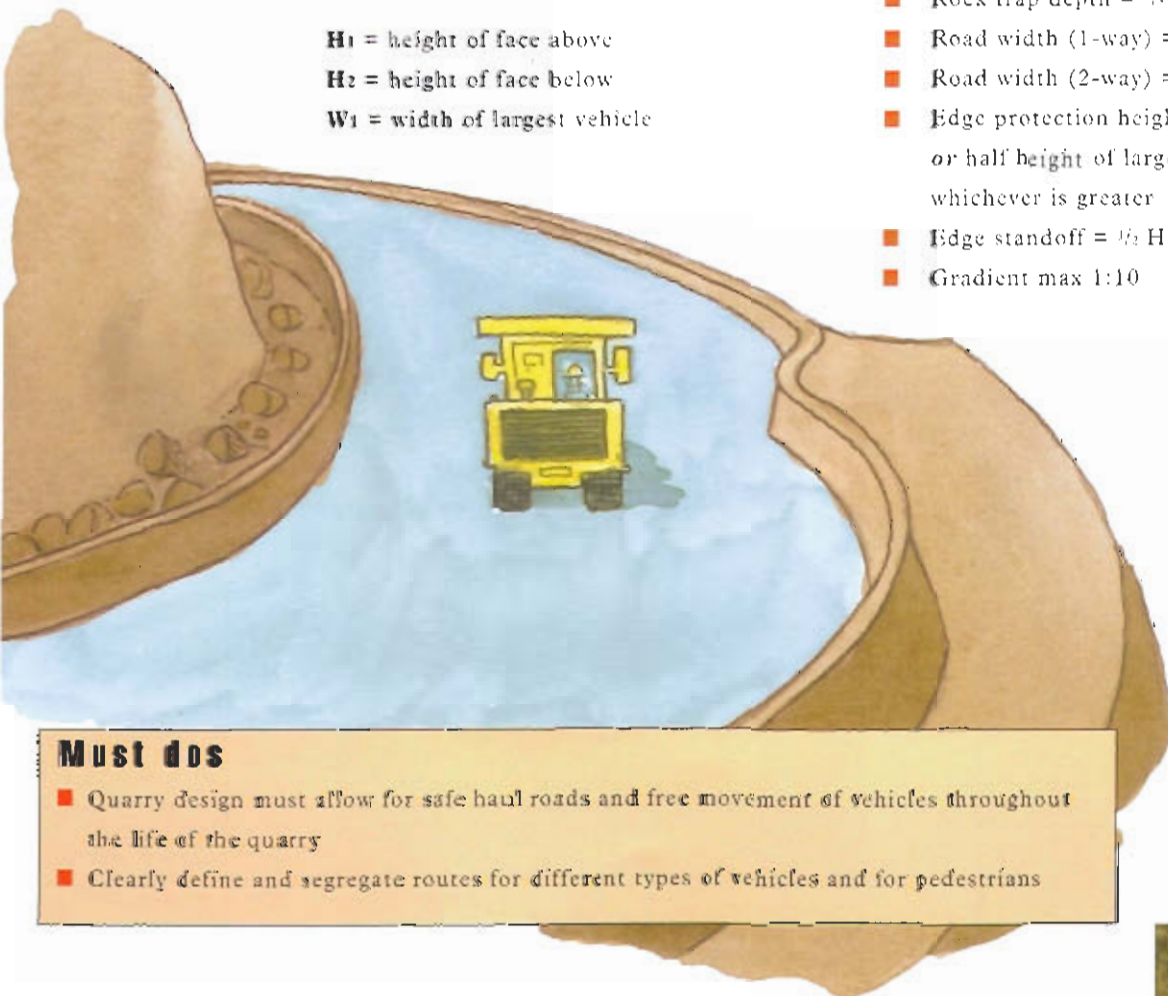


Haul road design and maintenance

H_1 = height of face above
 H_2 = height of face below
 W_1 = width of largest vehicle

Check the details of your quarry design, but as a guide:

- Rock trap width = $1/3 H_1$
- Rock trap depth = $1/3 H_1$
- Road width (1-way) = $2 \times W_1$
- Road width (2-way) = $3.5 \times W_1$
- Edge protection height = 1.5 metres or half height of largest wheel, whichever is greater
- Edge standoff = $1/2 H_2$
- Gradient max 1:10



Must dos

- Quarry design must allow for safe haul roads and free movement of vehicles throughout the life of the quarry
- Clearly define and segregate routes for different types of vehicles and for pedestrians