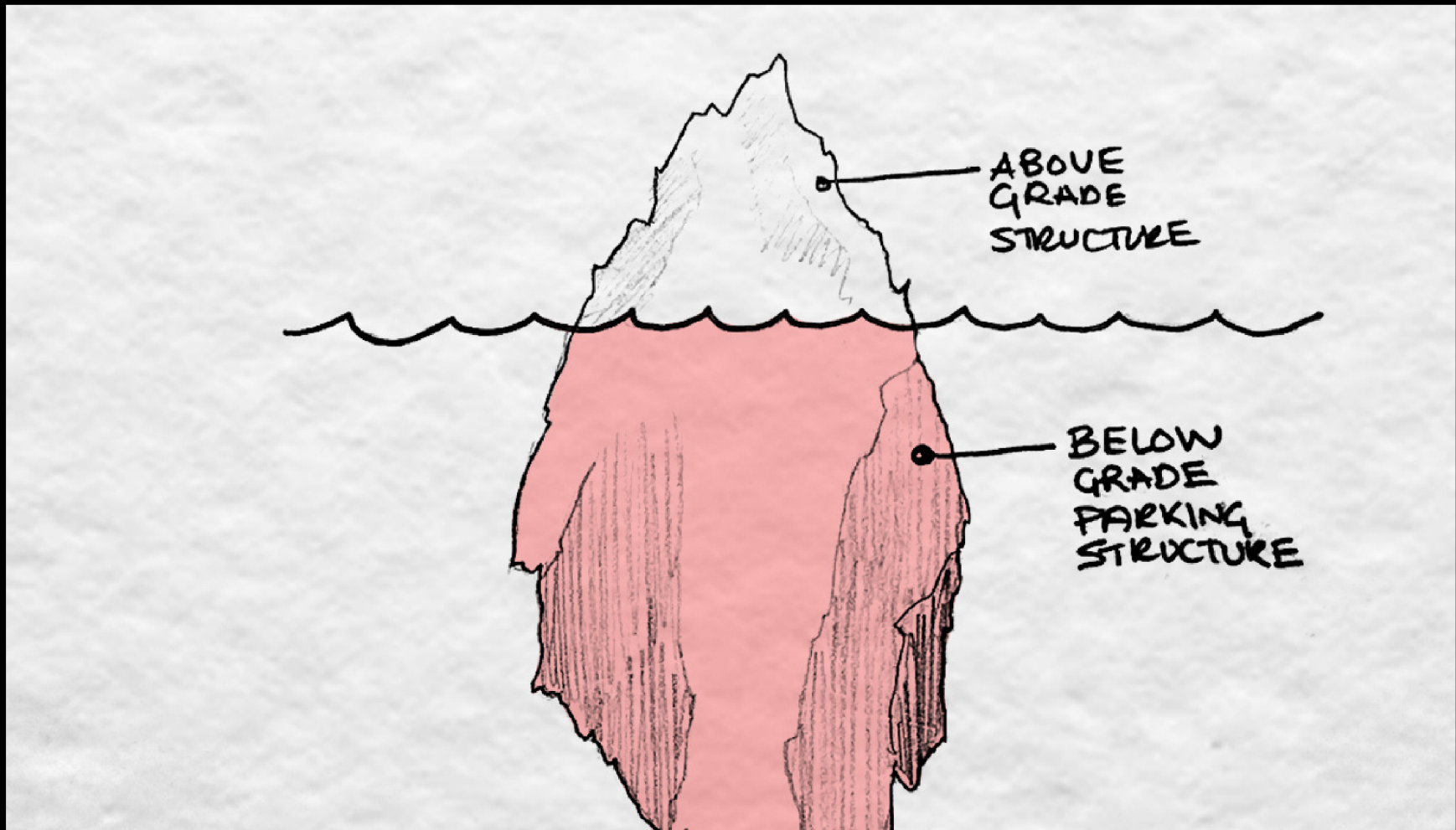


CA03

THE CARBON ICEBERG

Below grade parking is a killer.



STEVEN BIERSTEKER

WHY IT MATTERS

THE CARBON ICEBERG

Below-grade parking matters for three primary reasons:

- 1 -> Disproportion of GHG emissions below grade
- 2 -> Excavation increases site related emissions
- 3 -> The scale of the problem

ONE TIP

HOW TO REDUCE

Minimize or eliminate transfer slabs.

Parking structures and above grade structures typically don't play nice with each other. This results in a hefty transfer slab that carries a large amount of emissions. Limit or eliminate this by providing continuity between above and below grade structure.

ONE RESOURCE TO HELP YOU ACT

Use an embodied carbon calculator.

The Institute of Structural Engineers and SE2050 offer great embodied carbon calculators. Try them out to understand the basics of your structural carbon footprint.

STEVEN BIERSTEKER

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