

Excavation of Habitat Trench by a Single Precision Kinetic Bombardment

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By the use of a special dispensing canister, a trench for burying a shielded habitation can be constructed before humans land. A canister containing kinetic impact devices (ball bearings) is placed on an orbital path that will intersect the desired trench site. Some time before impact the canister begins releasing the bearings. As it releases the bearings it will give them a measured shove so that they will be near their correct position in the matrix at impact. As the canister releases the bearings it also speeds up or slows down to spread the bearings along the path of the orbit. This will temporally separate the bearings so they will impact at different times. The impacts of the bearings will produce a progressive pattern or raster that will erode a trench into the surface.