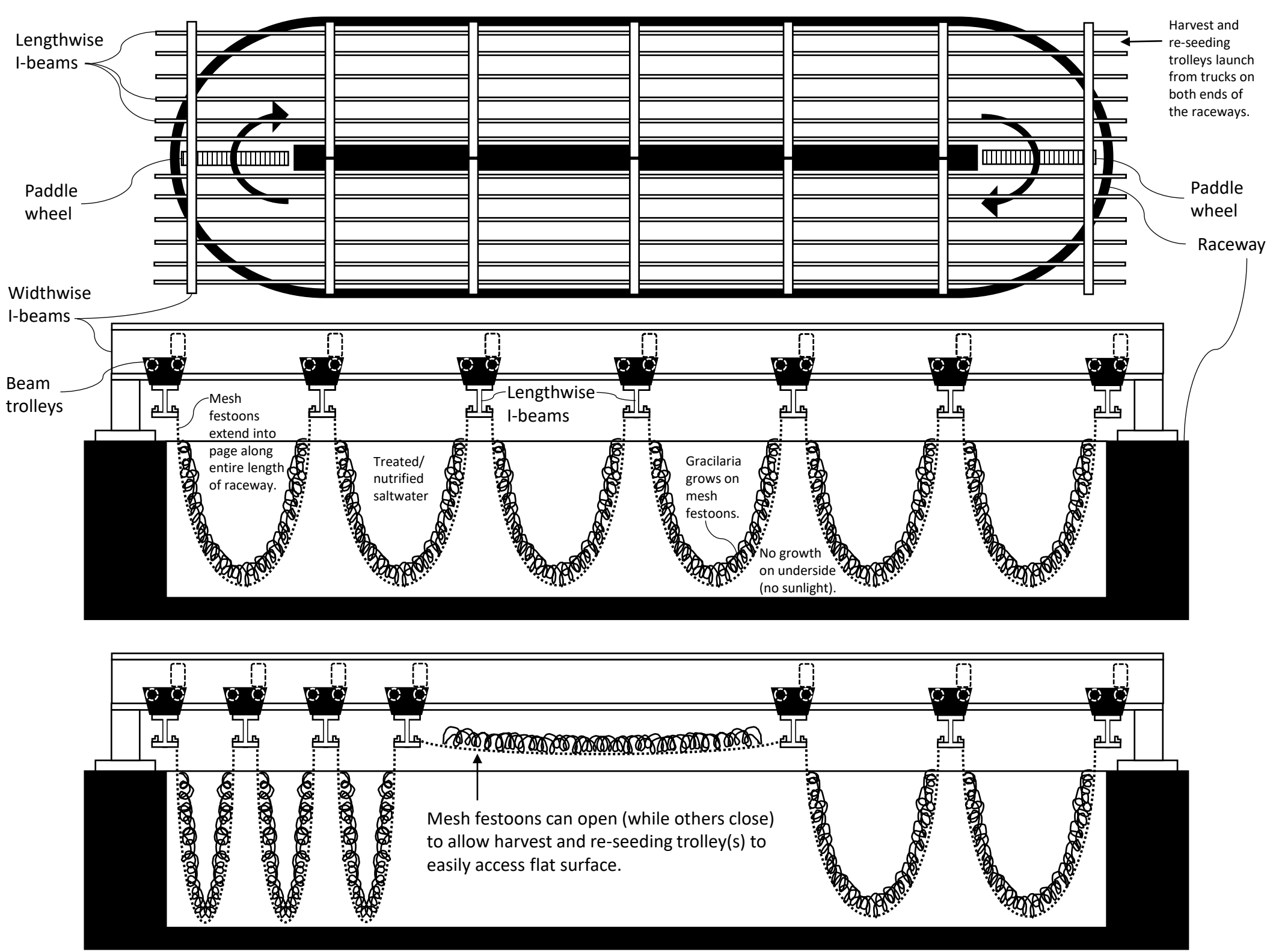
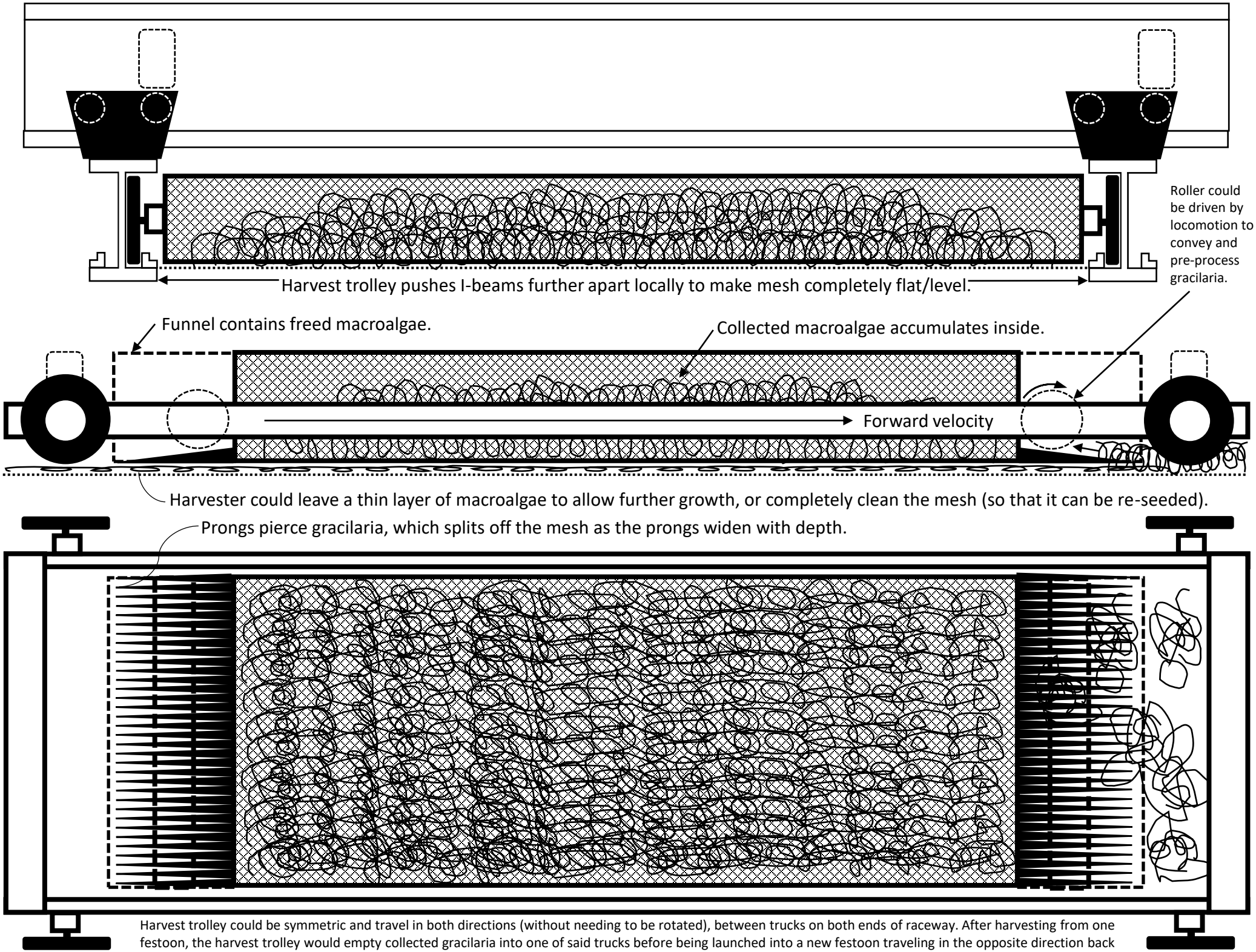
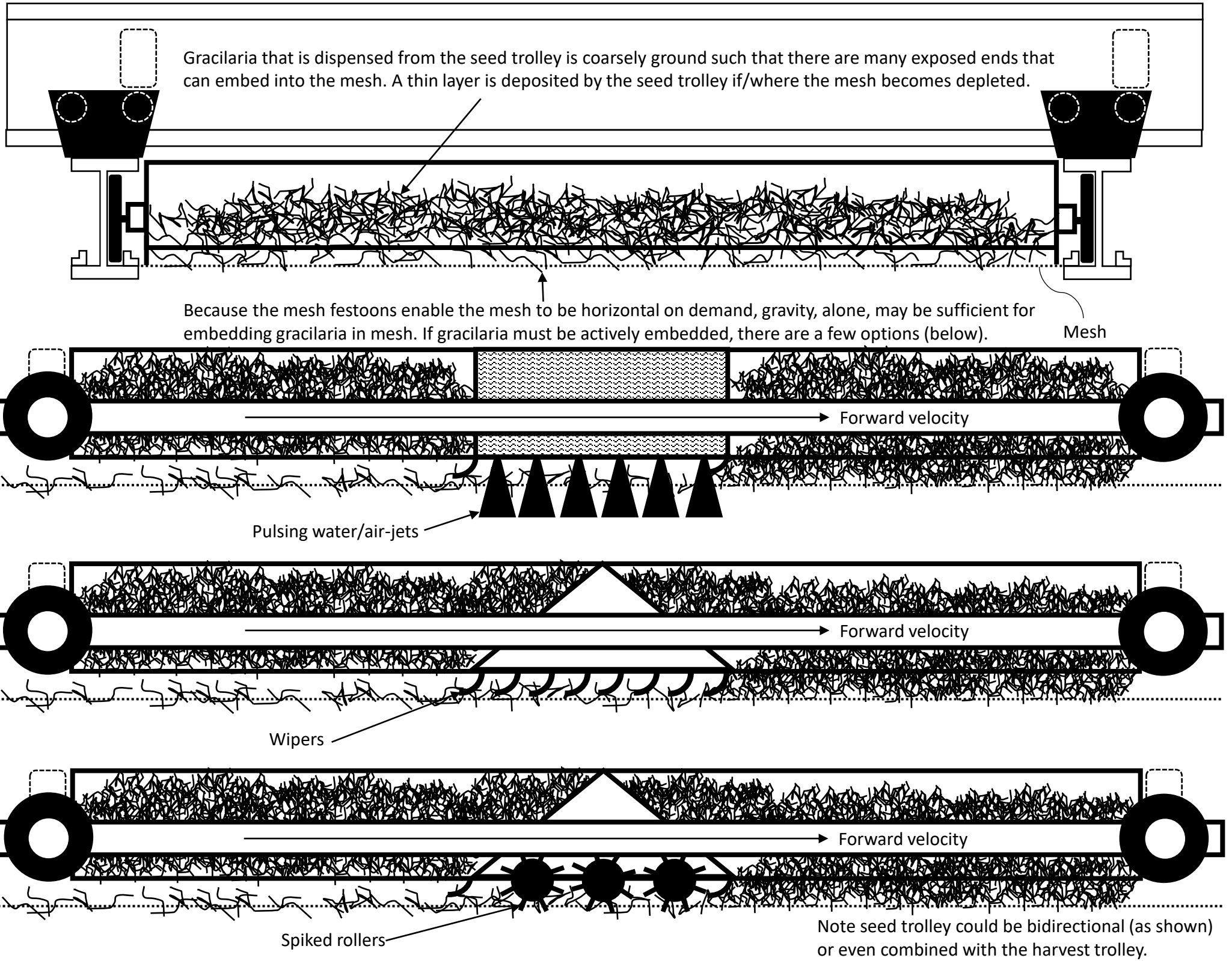

Lengthwise I-beams
Harvest and re-seeding trolleys launch from trucks on both ends of the raceways.
Paddle wheel
Paddle wheel
Raceway
Widthwise I-beams
Beam trolleys
Mesh festoons extend into page along entire length of raceway.
Lengthwise I-beams
Treated/ nutrified saltwater
Gracilaria grows on mesh festoons.
No growth on underside (no sunlight).
Mesh festoons can open (while others close) to allow harvest and re-seeding trolley(s) to easily access flat surface.



Harvest trolley could be symmetric and travel in both directions (without needing to be rotated), between trucks on both ends of raceway. After harvesting from one festoon, the harvest trolley would empty collected gracilaria into one of said trucks before being launched into a new festoon traveling in the opposite direction back towards the other truck.


Gracilaria that is dispensed from the seed trolley is coarsely ground such that there are many exposed ends that can embed into the mesh. A thin layer is deposited by the seed trolley if/where the mesh becomes depleted.
Because the mesh festoons enable the mesh to be horizontal on demand, gravity, alone, may be sufficient for embedding gracilaria in mesh. If gracilaria must be actively embedded, there are a few options (below).
Mesh
Forward velocity
Pulsing water/air-jets
Forward velocity
Wipers
Forward velocity
Spiked rollers
Note seed trolley could be bidirectional (as shown) or even combined with the harvest trolley.