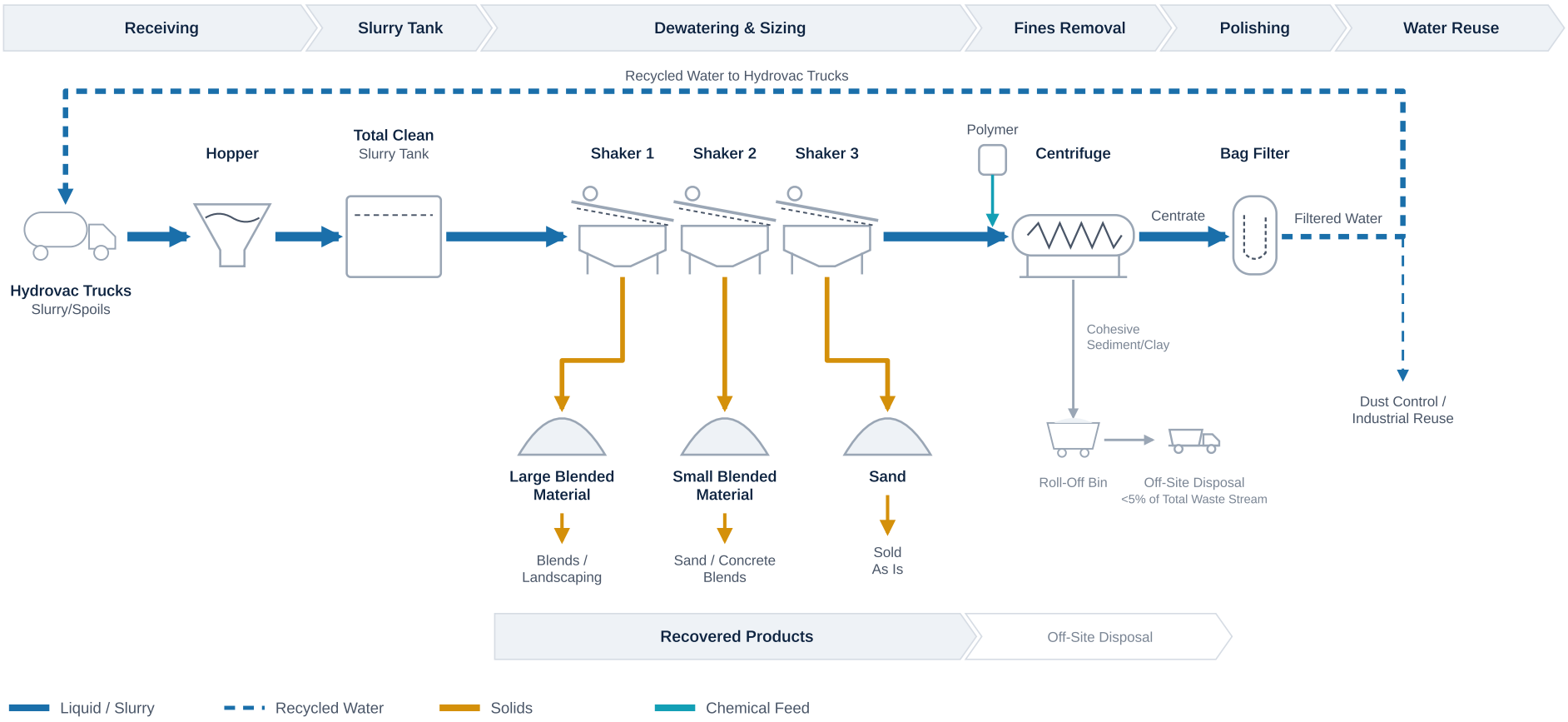
WET Earth Technologies – Gardena Facility Recycling Process Flow

Recycling Process Flow



Product splits vary by incoming material; a portion of Sand may also be used in blends.

How It Flows

1. **Receiving** – Hydrovac trucks dump to the hopper; water, rock and dirt only, no organics or oily waste
2. **Total Clean** – Slurry tank feeding the shakers
3. **Shaker bank (3 shakers)** – Dewatering and sizing into large blended material, small blended material and sand
4. **Centrifuge** – Polymer-dosed fines removal; cohesive sediment/clay to roll-off for off-site disposal (<5% of total waste stream)
5. **Bag filter** – Centrate polishing
6. **Water reuse** – Majority recycled to the hydrovac trucks; balance to dust control or industrial reuse

Output Streams

Stream	Source	Destination
Large Blended Material	Shaker 1	Blends and landscaping
Small Blended Material	Shaker 2	Sand and concrete blends
Sand	Shaker 3	Sold as is
Cohesive Sediment/Clay	Centrifuge	Off-site disposal; <5% of total waste stream
Filtered Water	Bag Filter	Majority reused in hydrovac trucks; balance to dust control or industrial reuse