

# RECYCLING & WASTE BIN INFRASTRUCTURE

## QUESTIONS YOU NEVER THOUGHT TO ASK

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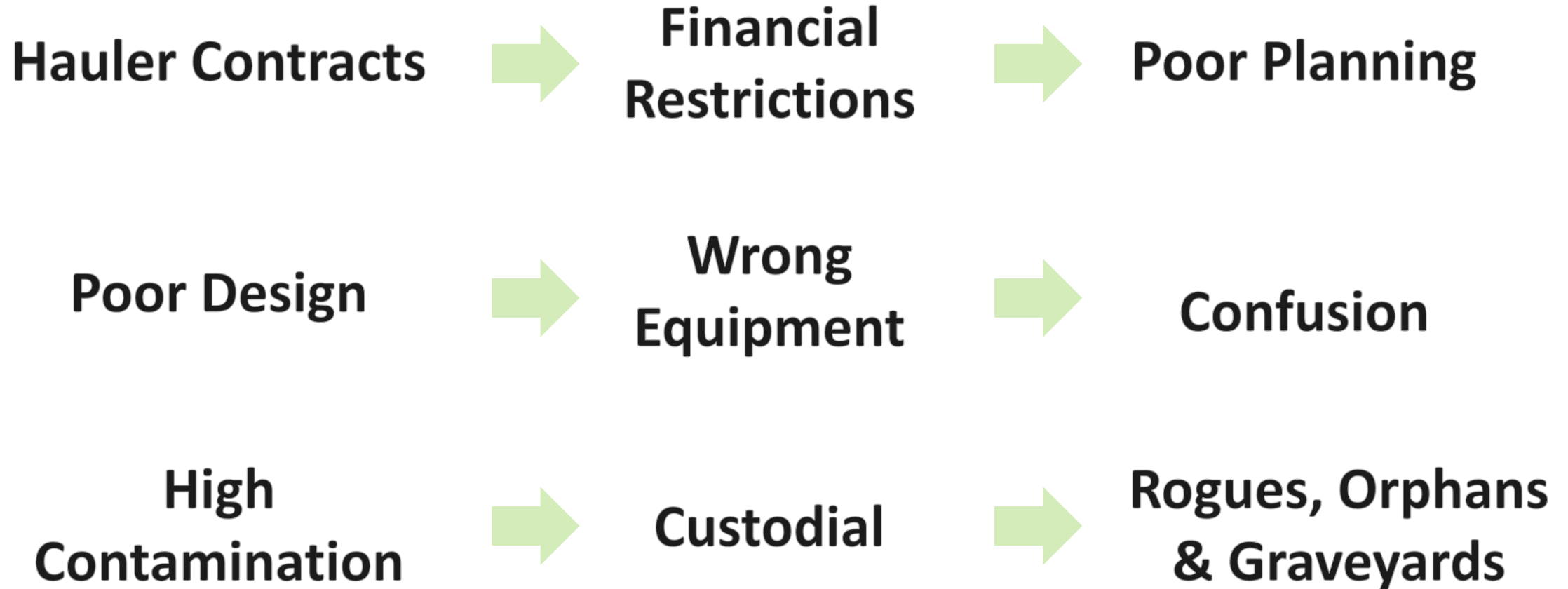
CleanRiver Recycling Solutions

Founder & CEO



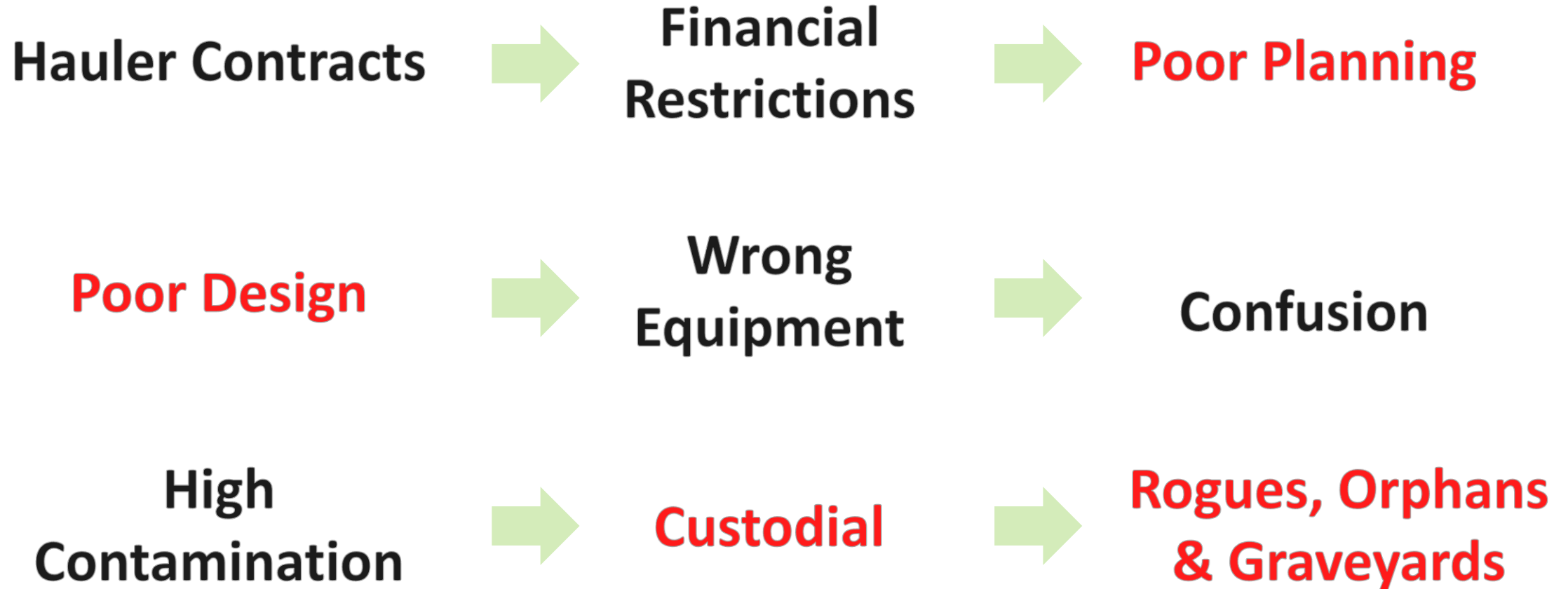


# ARE YOU SET UP FOR SUCCESS OR FAILURE?





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# POOR PLANNING

- Bring all the key stakeholders together
- Fire Code Regulations – Hallways - Plastic vs. Metal
- Union Concerns – Weight & Extra work
- Space Restrictions
- Multiple collection streams i.e: Labs
- Hauler Contracts – Contamination penalties and changes to collection streams
- Location – High traffic area vs. Hidden away
- Time of year/season – Move-in vs. Move-out





# POOR DESIGN

- Architects can be the # 1 killers of recycling programs
- H & S Factors (sharp edges)
- Assembly Time & Retrofit Costs
- Servicing Time – Liner Removal & Replacement
- Ergonomic issue – Front Load vs Top Load weight issues.
- ADA – height requirements
- Minimal Graphics - *Please Recycle or Thank You*
- Future Ready – Change is inevitable





# FUTURE READY DESIGN CAPABILITIES WHEN YOU KNOW CHANGE IS ON THE WAY

Recycling & Waste





# FUTURE READY DESIGN CAPABILITIES

## ORGANIC COLLECTION RETROFIT IN UNDER 15 MINUTES

Add Organics





# FUTURE READY DESIGN CAPABILITIES

## EXPECT THE UNEXPECTED

Convert organics for larger volume







# CUSTODIAL

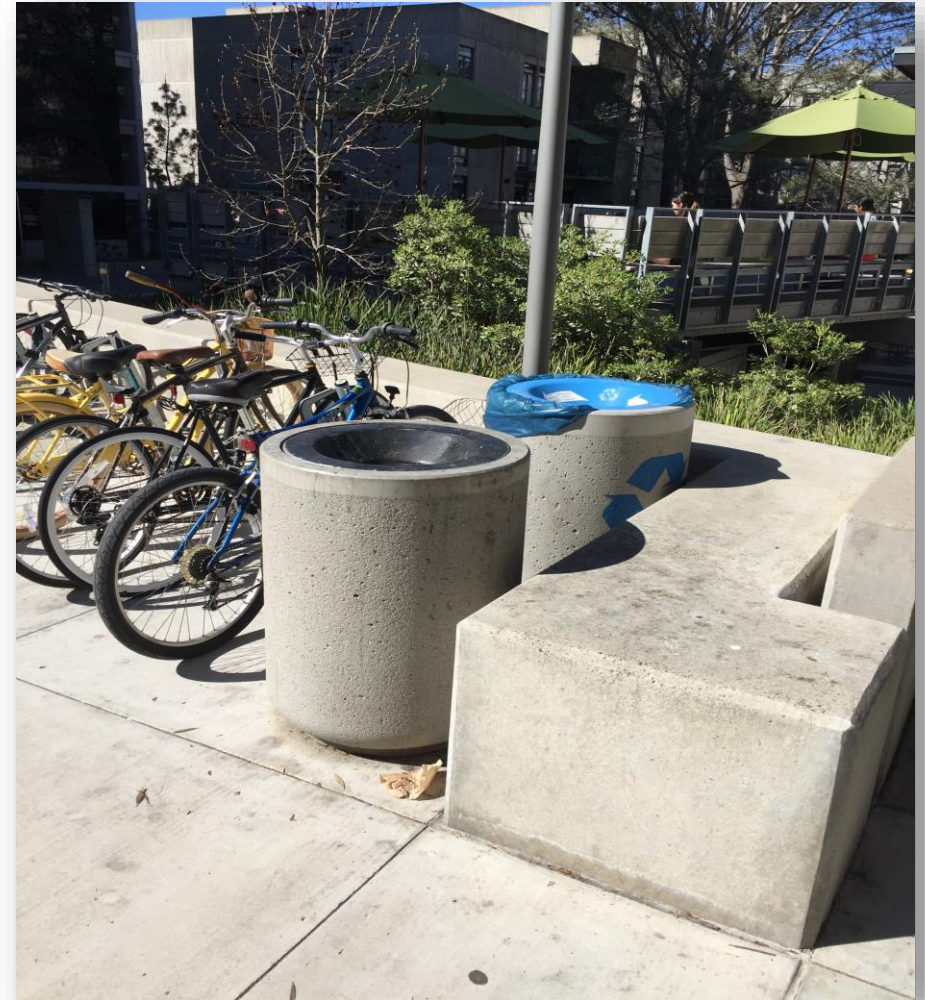
- Last line of defence
- Need to be a part decision making process for containers
- Language barrier is critical
- Support for language inside the bin
- Color coded instructions with bags
- Union Contracts – Collect waste, not recycling





# OTHER ISSUES TO CONSIDER: “GEE, I NEVER THOUGHT TO ASK THAT QUESTION”

- Extra Curricular Activities/ who is responsible?
  - Night Courses
  - Sporting events
- Flaps on containers
  - No one wants to touch anything
  - Trapped Alive
- Outdoor containers
  - Vermin and Insects
- Concrete
  - Round vs Square Design





# REMOVE THE ROGUES CONTAINERS OFF PLAN OR LEFT BEHIND





# ORPHANS

## STAND ALONE CONTAINERS IN PUBLIC SPACES





# GRAVEYARD

## WHERE ROGUES AND ORPHANS GO TO DIE.





# 28 Year Observation

***Culture is the slingshot*** that launches people into the 21st century when it comes to how recycling should be done.

Minus the ***ravenous, time-sucking sharks*** who perpetuate red tape, inefficiencies, lack of standardization and the ***double-headed monster of complexity and confusion*** while protecting status quo.