



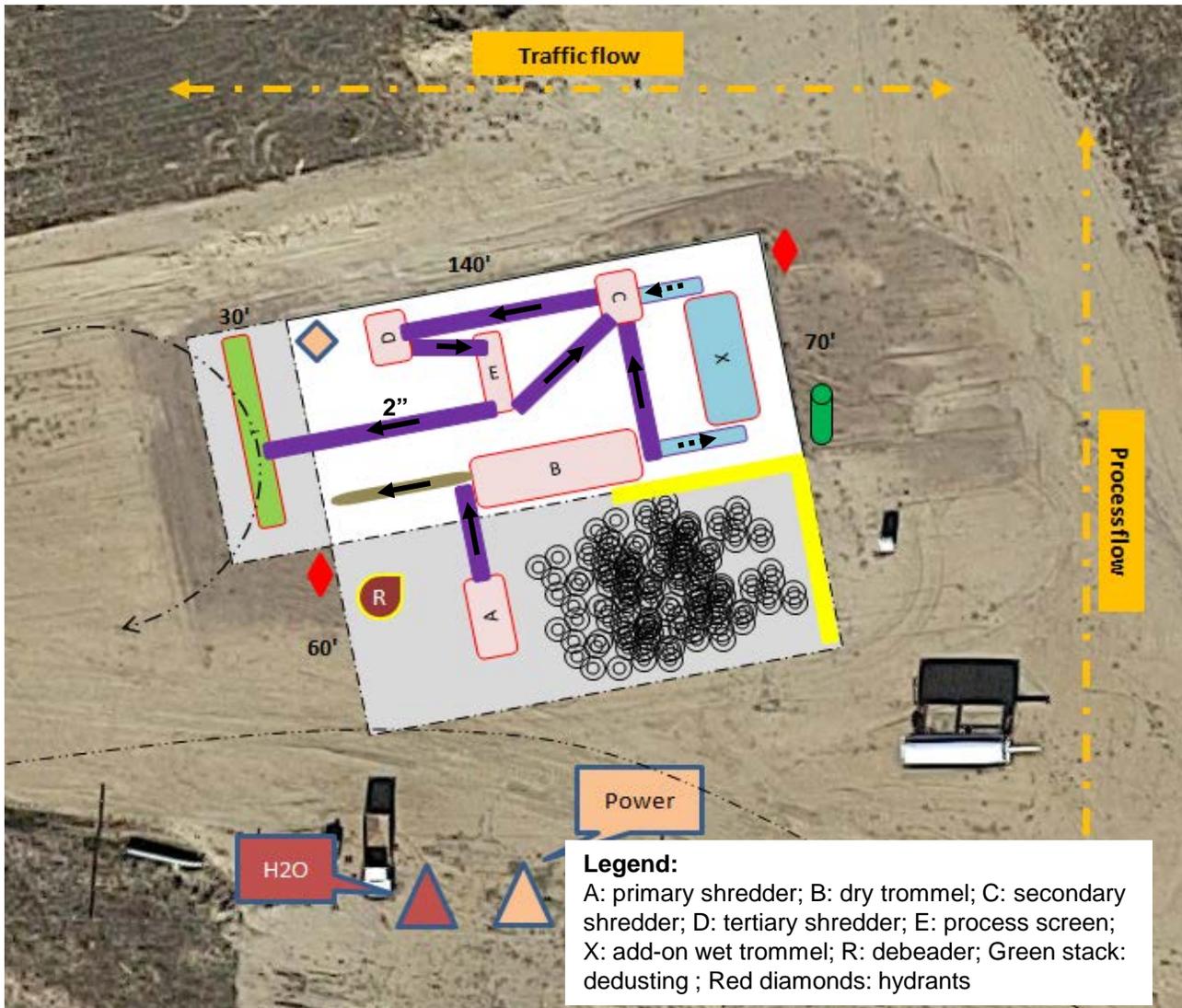
CER, Colorado Springs  
June 23<sup>rd</sup>, 2016

# CER Whole Tire Shredding Project

# Information on Colorado Energy Recycler (CER)

- 58 Acres
- ~ 23 Million Tires
- Opened 1996
  - Three (3) Different Owners
- CER 2009
  - \$2,000,000 Bankruptcy Court
- Priority #1
  - Safety and Fire Compliance
    - Community Protection
  - Environmental Success for all
- Shredding History
  - Two different contractors failed at processing tires from CER

# Technical Choices



The original idea was to produce with two shredders: 1 primary and 1 secondary. Two machines will produce only 6.5-7 t/h, requiring all 80 permitted process hours to barely produce 25,000 t/a, maintenance performed over the weekends and no option for unforeseen shutdowns, putting the business plan at risk.

We highly recommend to invest in a 3-shredder set-up:

- Nominal 10-12 t/h process capacity
- Well within the 80 hr permitted process time and spare capacity to grow
- Lower operating cost due to lower labor cost
- Tighter TDF spec
- Less wear and tear on the equipment
- Shredder suppliers will process capacity

The permit calls for the process equipment to be covered for safety and environmental reasons. This adds ~ \$1.2MM to the CAPEX. Unless the County agrees to allow us to cover the equipment only, we will have to cover the whole installation.

# Equipment Selection



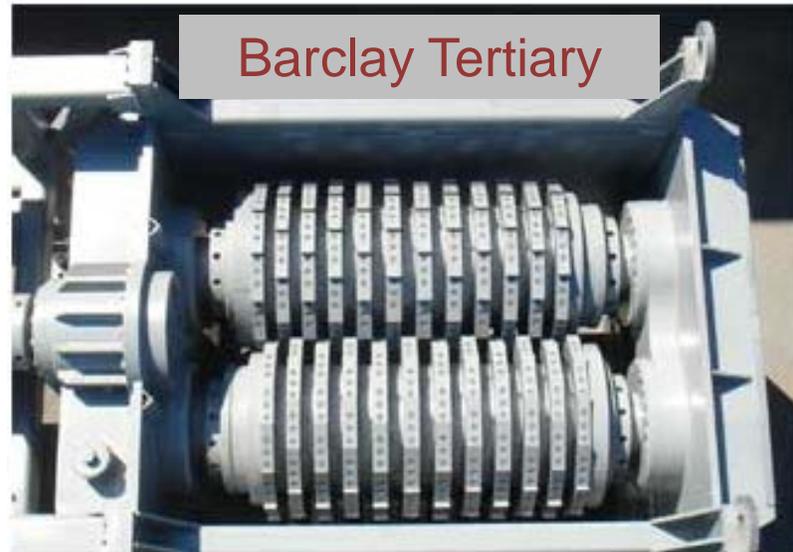
Barclay Primary



Process Screen



CM Secondary



Barclay Tertiary



Eagle Debeader

# Equipment Installed At Pueblo Facility to Burn TDF



# Equipment Installed At Pueblo Facility to Burn TDF

