







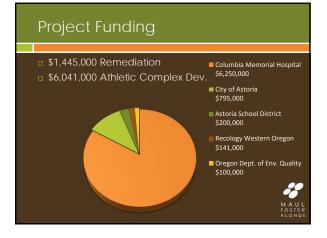


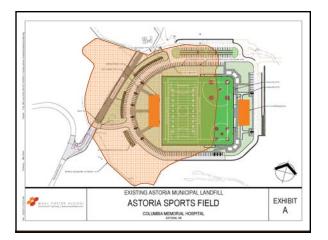


# 4-Party Agreement

- Each party is a signer to the agreement
- Defined relationships between parties and expected outcomes (36 pages)
  - Costs
  - Property transfers/leases
  - Warranties
  - Deed restrictions







### **Design Considerations**

- 1. Settlement of the landfill;
- 2. Capping of the landfill;
- 3. Landfill gas collection;
- 4. Subsurface water flow;
- 5. Stormwater runoff collection/conveyance;
- 6. Minimize disruption in the operation of the Transfer Station.



### Settlement of the Landfill

Rock Surcharge

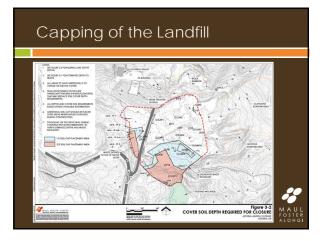
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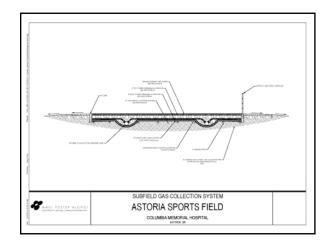
Placed in three stages

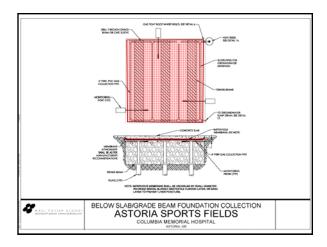
- Two months min
- VIDEO LINK

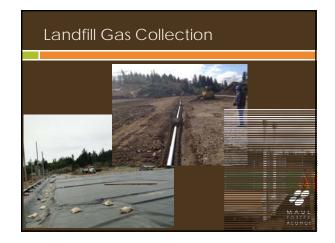
## Capping of the Landfill

- Closure required by DEQ:
  - 30" minimum compacted clay soil cap
  - 2% minimum overland slopes
- Cover systems for development
  - Asphalt pavement & gravel
  - LLDPE under field
  - HDPE under buildings
  - PVC liner in ditches













Stormwater Controls











### Lessons Learned

- Communicate with reviewing agencies early and often.
- Public /Private Partnerships
- Learned from other landfill redevelopments.
- Need to educate our clients about the reality of obstacles during brownfield redevelopment.





