



City of Sheridan –LRP Update



May 26, 2020

Background

- ◆ 2006 Program to install groundwater networks at 114 sites
- ◆ 2010 Report to the Legislature outlining findings
- ◆ 2012 Report to establish high priority landfills and costs
- ◆ 2013 Landfill Remediation Program created and funded
- ◆ Two options for Program assistance:
 - DEQ Led
 - Operator Led
- ◆ Funding 75% and 10 Year Remedy Assistance

Sheridan Remediation Program

2015 Agreement between the City and the State to fund and conduct a Nature and Extent Investigation and remediate groundwater impacts

- ◆ DEQ provides project oversight & management - “DEQ Led”
- ◆ State’s funding limits = 75% of project costs
- ◆ City pays 25% of project costs
- ◆ City is given a credit equal to 75% of its historical remediation expenses, July 1, 2006 to September 17, 2015
- ◆ Credit provided to City - \$336,700 established by a 2016 Amendment
- ◆ SCS Engineers selected to conduct NES & ACM in 2016

City of Sheridan Landfill



Nature and Extent Investigation (NES)

- Installed additional borings and groundwater wells offsite to the W, N & E and onsite in shop area.
- Sampled groundwater, soils, surface seeps, and landfill gas including gas offsite.
- Conducted geophysical survey and borings to delineate old waste areas.
- Compiled the new and existing data for a findings report.
 - Conclusions of that report.....

Assessment of Corrective Measures (ACM)

- ◆ Conclusions and Measures Options
- ◆ Old Landfill:
 - Water in Contact with waste, which then flows offsite taking contamination with it.
 - Remove and relocate waste (>\$10M)
 - Cap area to stop infiltration/recharge (\$5-\$6M)
 - Cutoff trench up or down gradient to intercept groundwater (\$2.5-\$5M)
- ◆ New Landfill:
 - Potential water in contact with waste
 - Geo-probing to determine amount to relocate if in contact (\$1-\$2M)
 - Cap to prevent future recharge (\$1.5-\$2.5M)
 - Look at additional measures to address potential gas issues
- ◆ Total Estimated Cost Range: (\$5-\$9.5M)

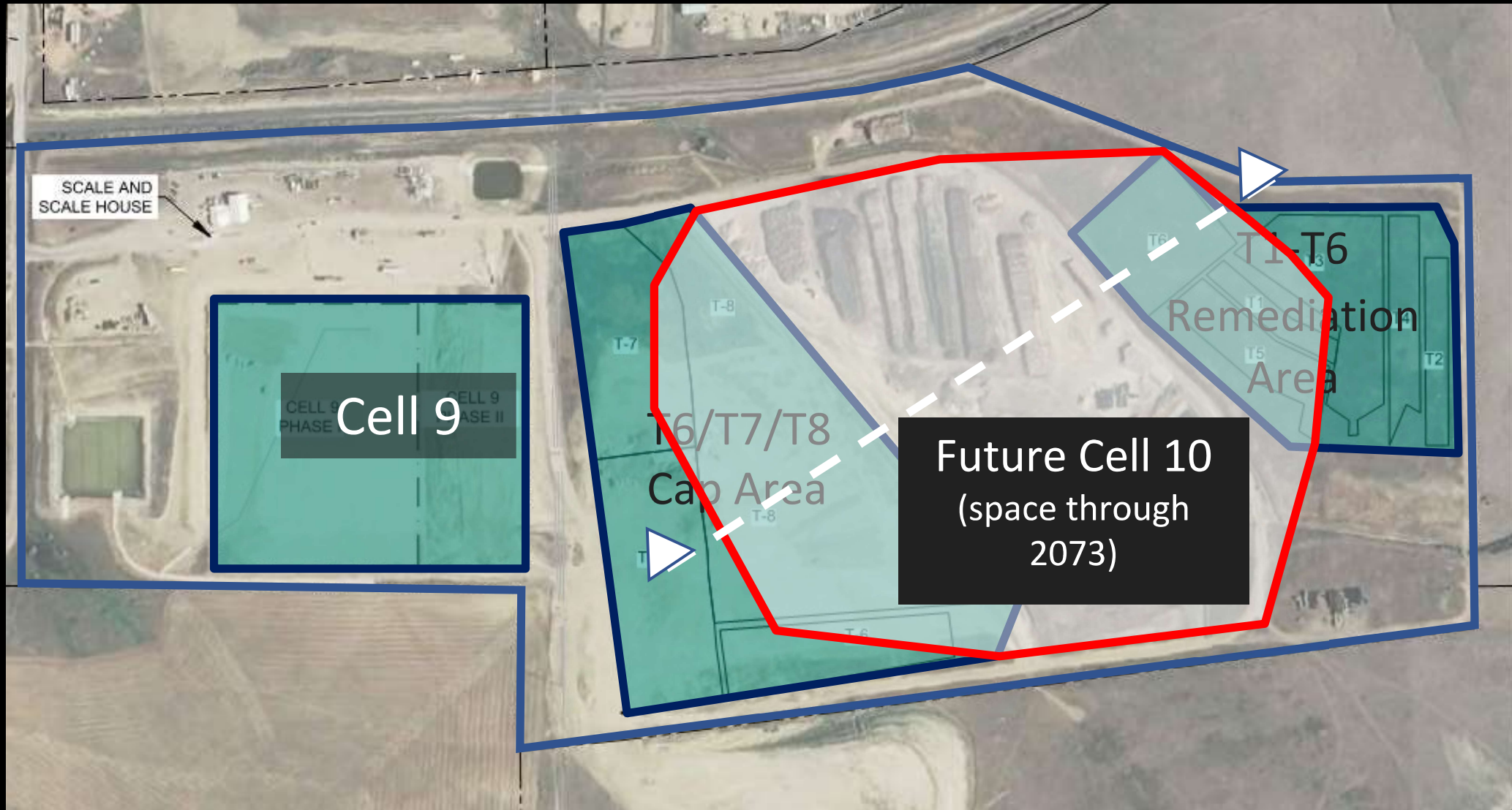
City and State Partnership

- ◆ Fund 75% of Eligible Remedy Costs
 - Balance of City's credit is \$180K after conclusion of NES & ACM
- ◆ Establish a Groundwater Monitoring Network
 - 75% of those costs
- ◆ Monitor the Remedy(s) for Effectiveness
 - 10 Years

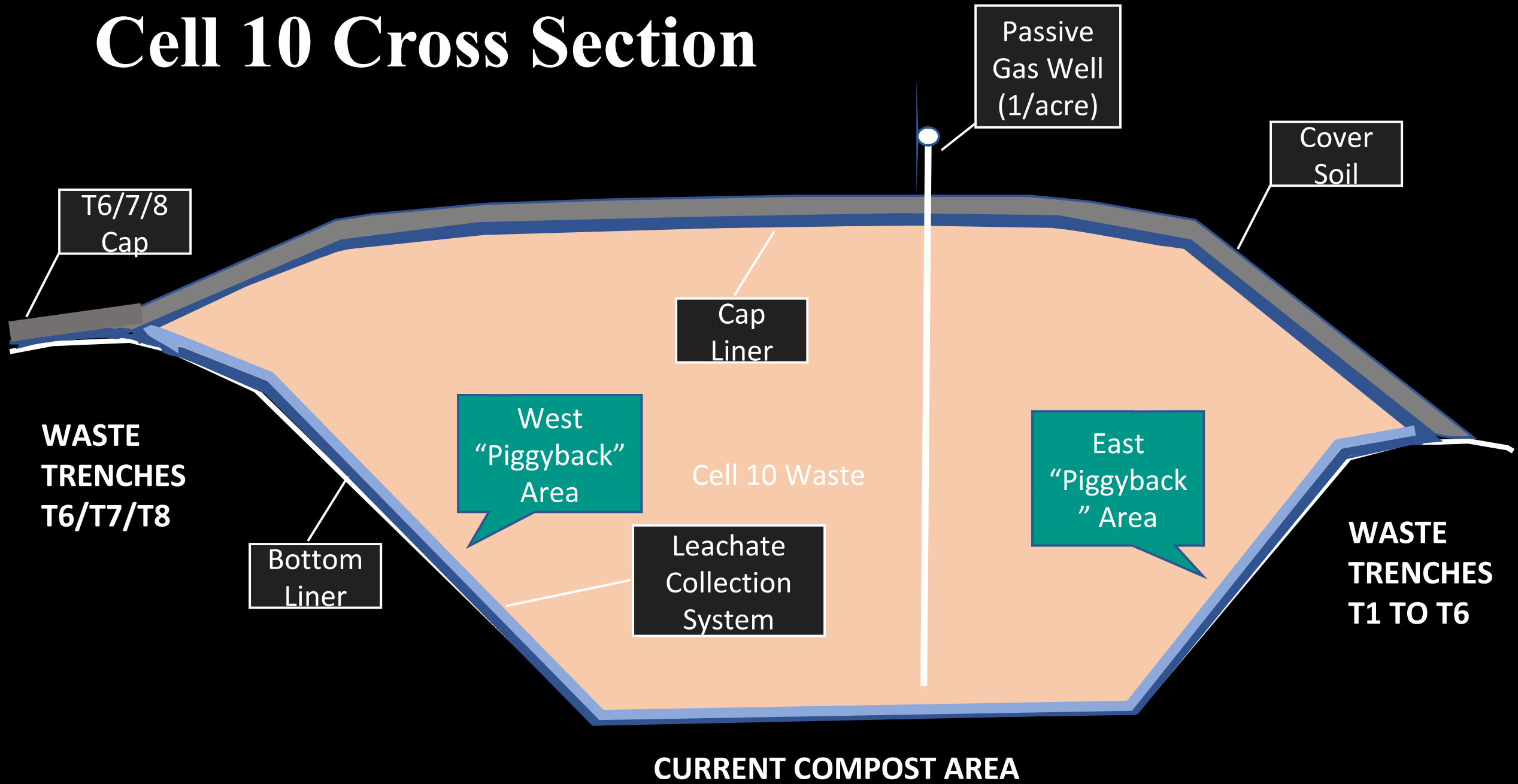
Next Steps

- ◆ Transition to “Operator Led” Agreement - To Council in Jun 2020
- ◆ Consultant RFP and Selection for continued work - Jul thru Aug 2020
- ◆ Project(s) Design and Construction: Sep 2020 thru Dec 2025
 - T1 thru T6 Remediation Remedy
 - Old Landfill Remediation Remedy
 - T7 & T8 Cap and Closure (in design)
 - Cell 10 Phase 1 Final Design & Construction

Coordination w/ Future Projects



Cell 10 Cross Section



City of Sheridan LRP Project

Questions?

Cell 10 Development & Cell 9 Closure Sequence (Construction year in parentheses)

