

Circle K Fuel Release

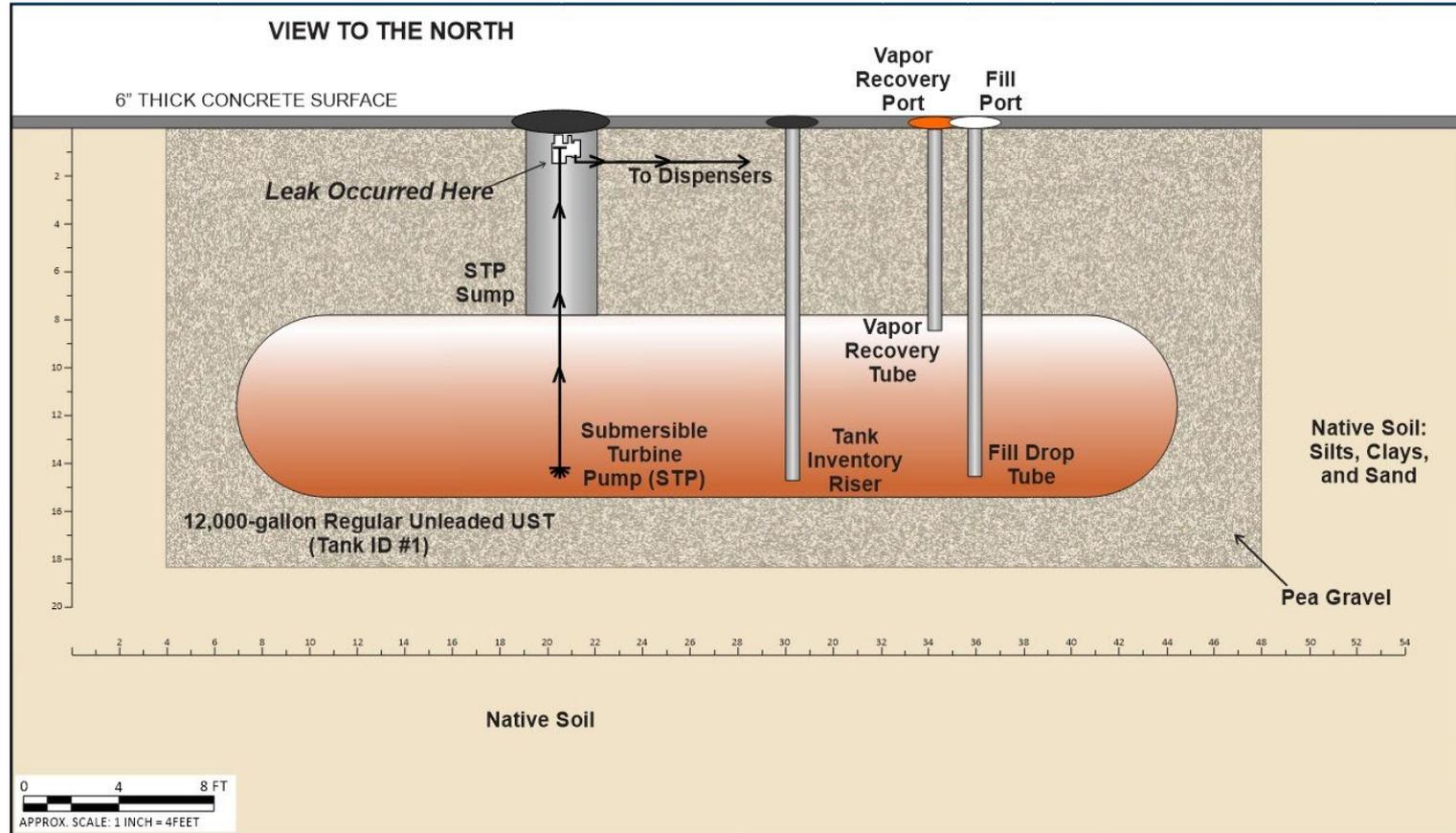
Chino Valley, AZ



AGENDA

- Origin of Release
- Drinking Water Well Locations
- Investigation Activities
- Extent of Release
- Remediation Activities

Release Origin



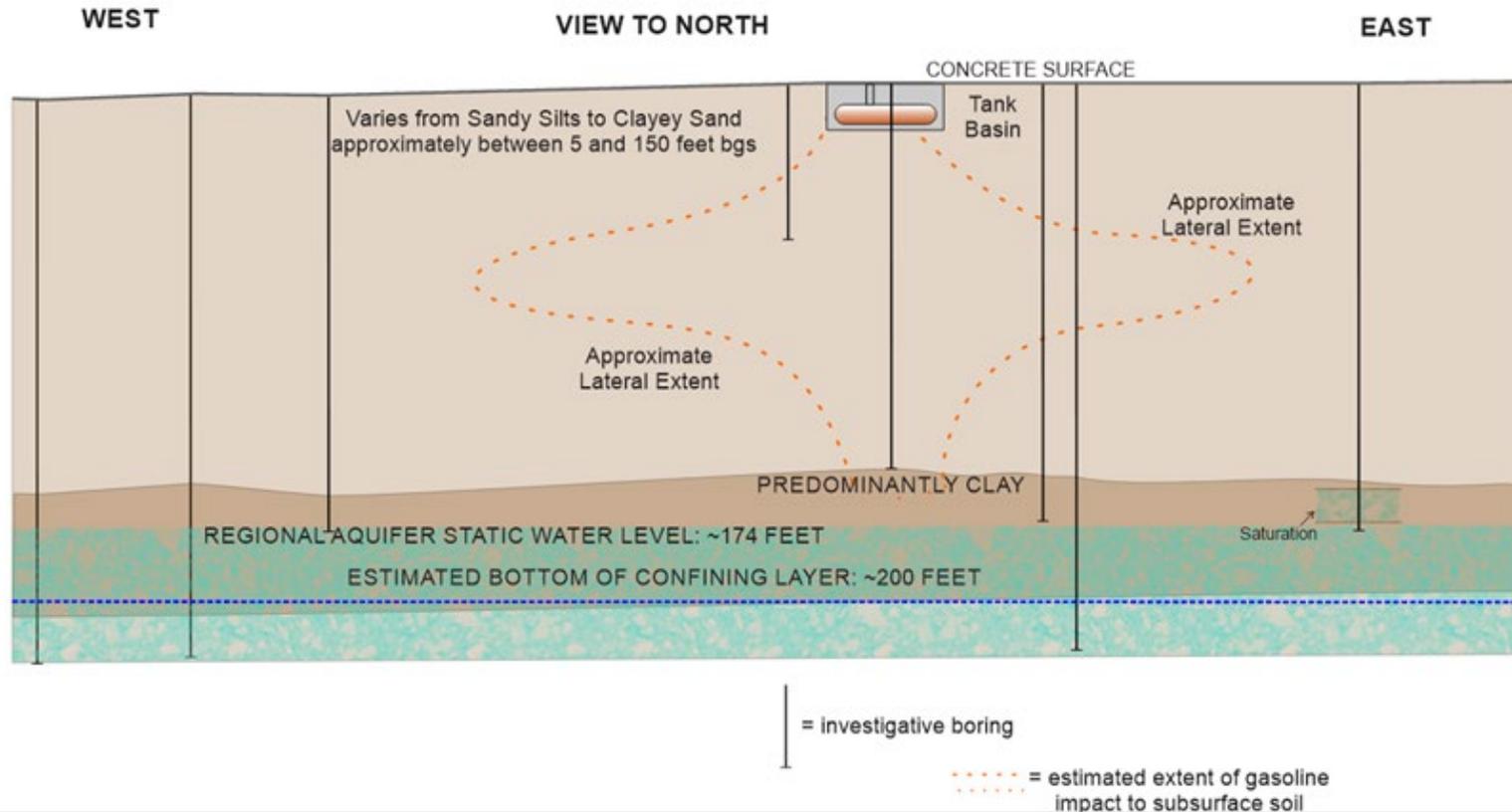
Investigation Activities Conducted to Date

Subsurface Soil

- **Drilling and soil sampling**
- **12 Soil borings completed as wells**
- **Soil sampled to maximum 175 feet depth**



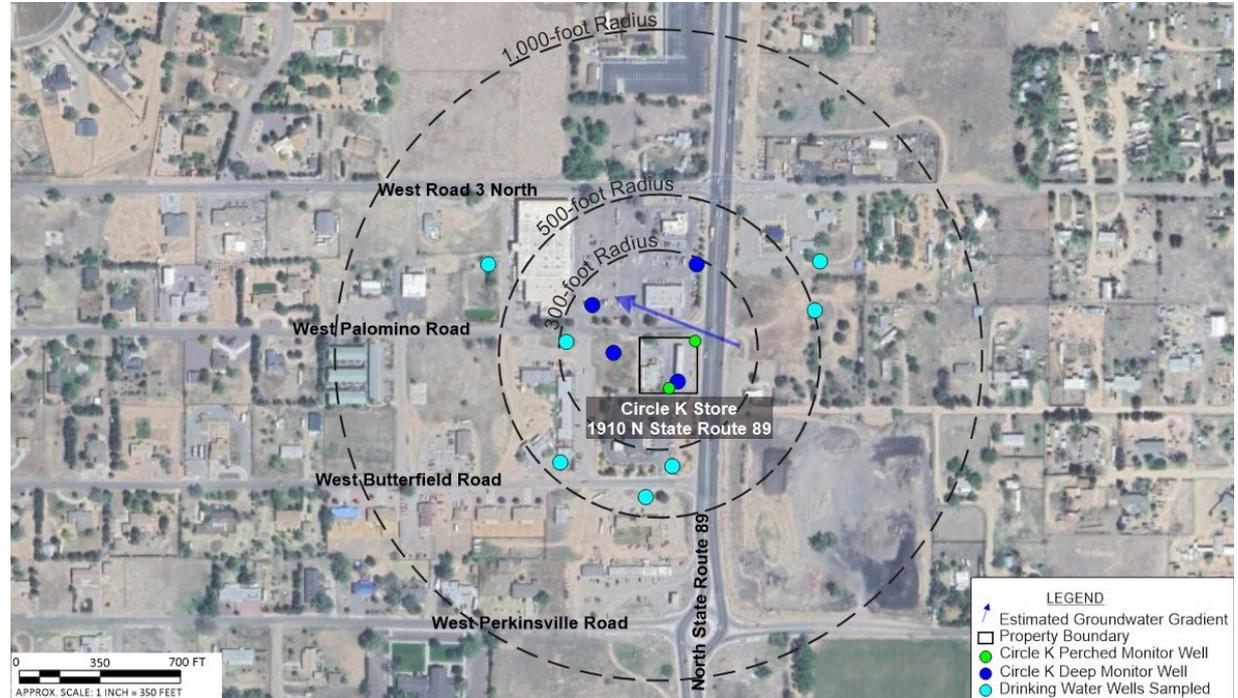
Extent of Release – Cross Section



Investigation Activities Conducted to Date

Groundwater

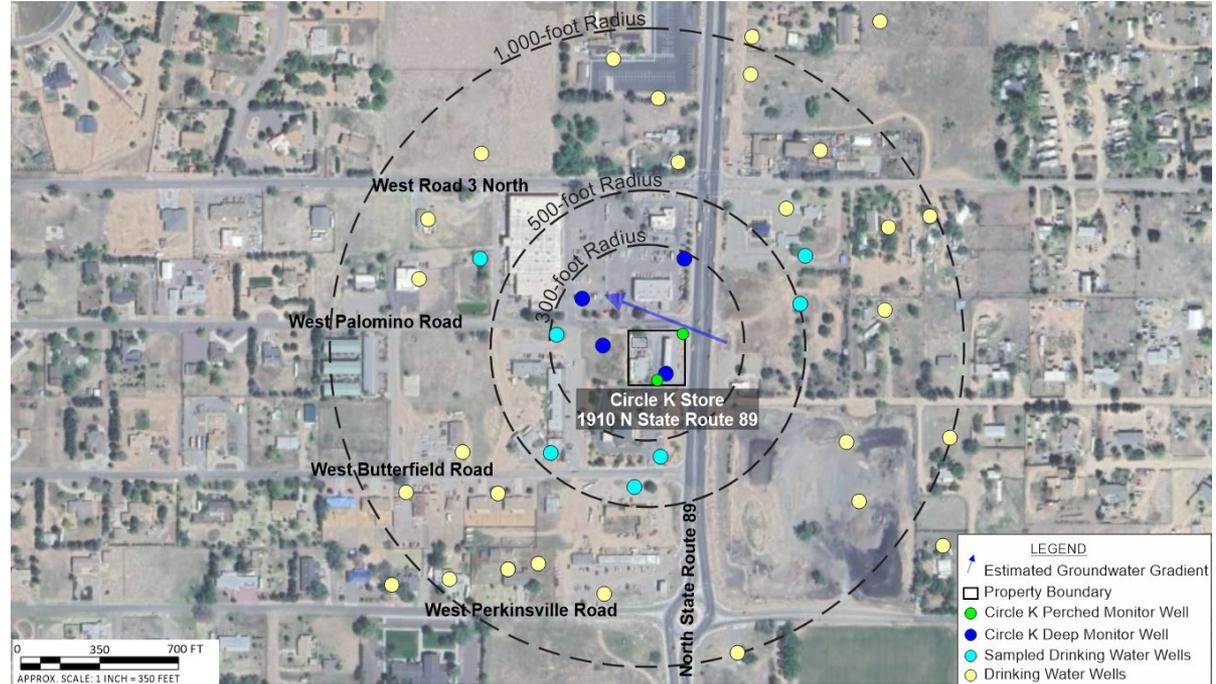
- 6 groundwater wells have been installed (2 shallow/perched, 4 deep in the regional aquifer)
- All results are non-detect for the wells in the regional aquifer.
- 2 tertiary compounds were detected below lab minimum reporting limits in one shallow/perched well, data is being evaluated.



Investigation Activities Conducted to Date

Drinking Water Well Sampling

- **7 drinking water wells**
- **Sampled weekly for past 10 weeks**
- **All results have been non-detect**



Remediation Activities Conducted to Date

Soil Remediation

- **Soil Vapor Extraction uses a vacuum**
- **The vacuum pulls contamination out of the subsurface**
- **Extracted contamination is destroyed through thermal oxidation (heat)**



Remediation Activities Conducted to Date

Soil Remediation

- **Soil Vapor Extraction slows the movement of the release**
- **Remediation with this unit can affect soil greater than 100 feet from where the leak occurred**



Summary and Next Steps

- **Preliminary investigation of soil and groundwater have been completed. Subsequent investigative activities are ongoing**
- **Cleanup (remediation) of the release is being completed via two treatment systems**
- **To date, no indicator (aquifer monitor) wells or drinking water wells have been found to be impacted by the release**
- **Groundwater sampling using indicator (monitor) wells will allow for early detection of any potential impact to the drinking water aquifer**
- **Monitoring of groundwater continues**
- **Analytical results are shared with ADEQ on a routine basis**



Thank you

