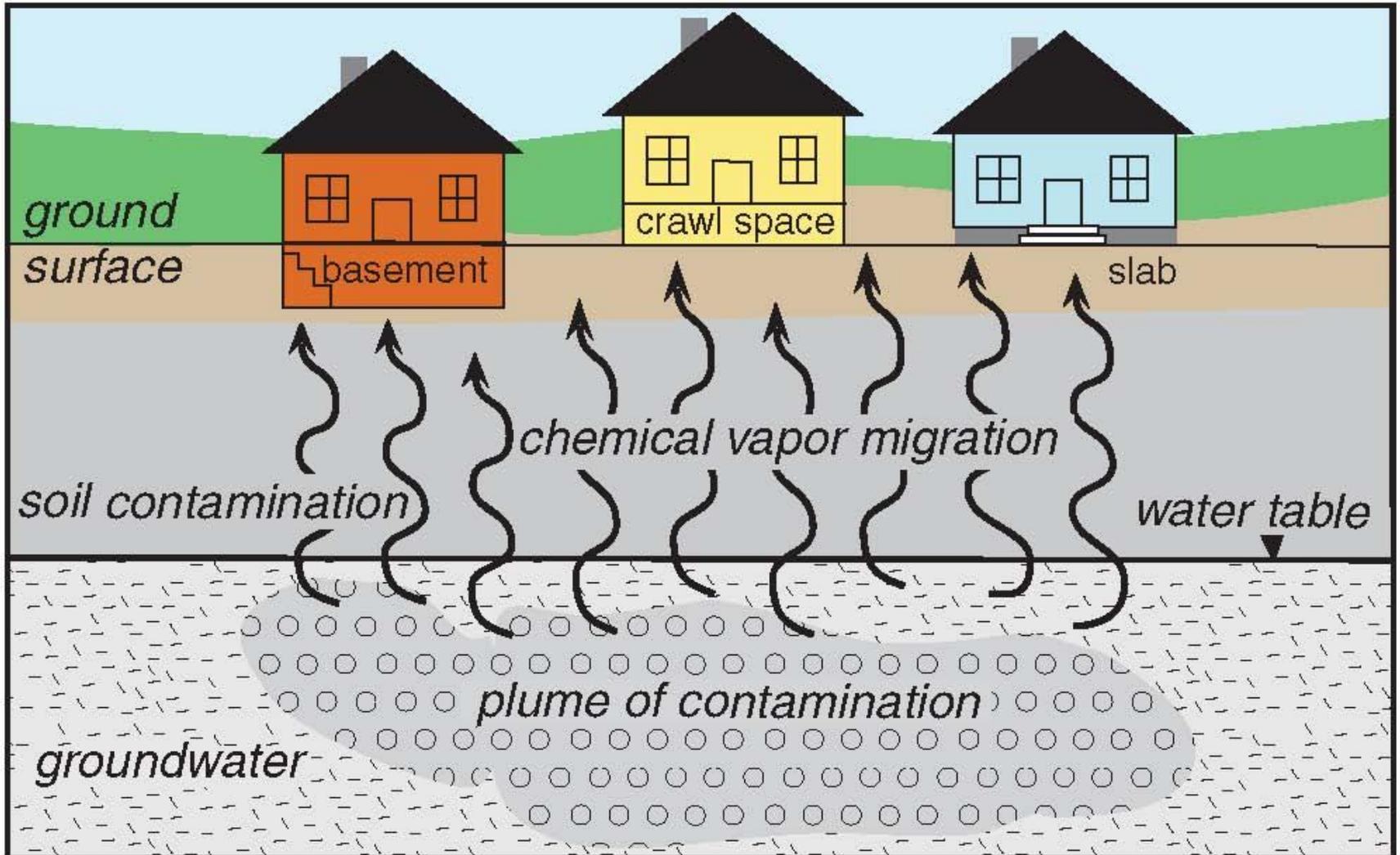
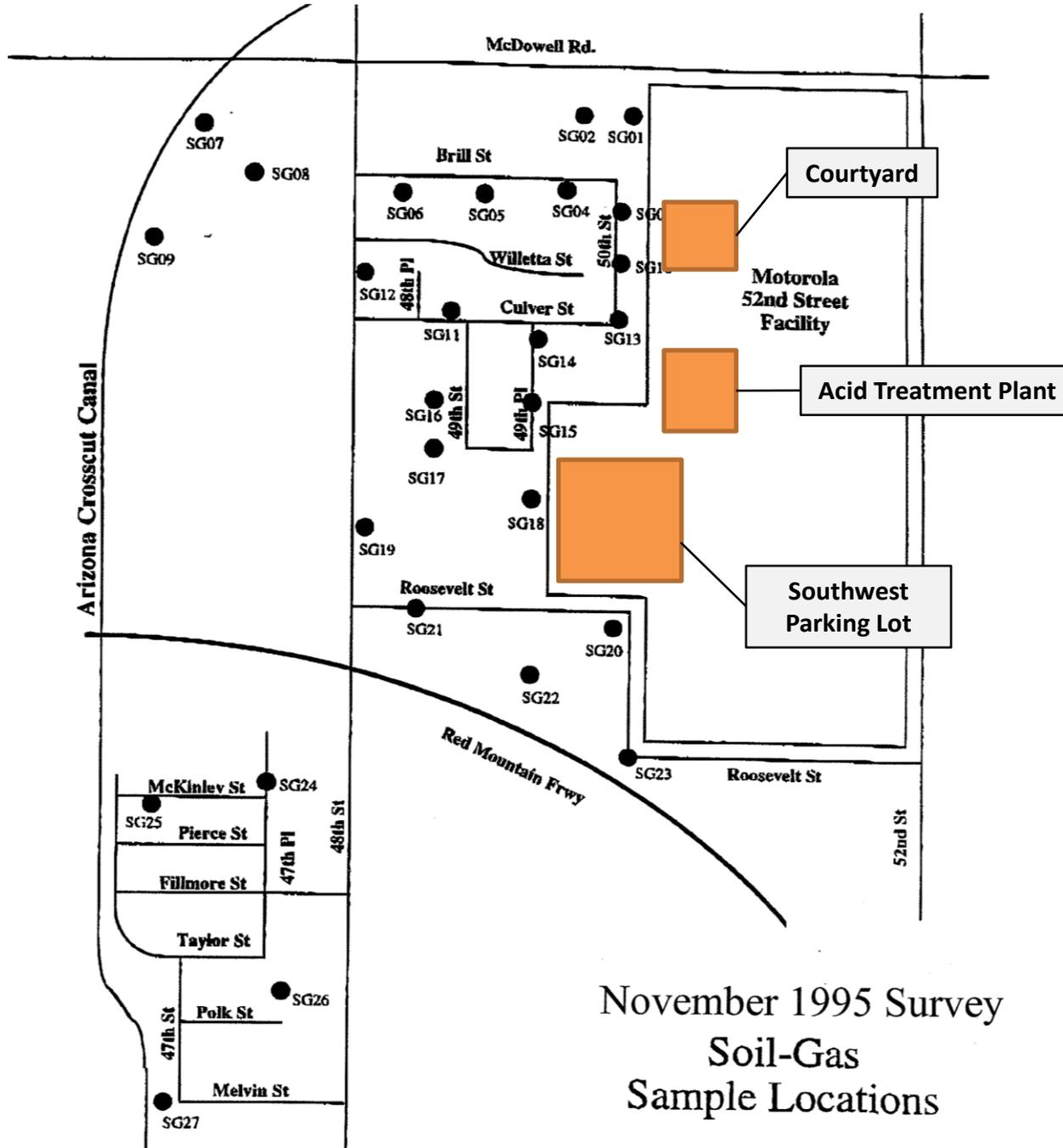


# Collection and Analysis of Soil Gas Samples

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# Vapor Intrusion Pathway





November 1995 Survey  
Soil-Gas  
Sample Locations

Figure 1

# Why is EPA re-evaluating the vapor intrusion pathway at Motorola?

- Vapor intrusion is an important exposure pathway of concern to EPA and our understanding of how vapor intrusion occurs continues to evolve.
- EPA periodically re-evaluates the actions it has taken at Superfund sites and the last Five Year Review for OU1 recommended a re-assessment of the potential for vapor intrusion.
- Although the most recent data on the potential for vapor intrusion in the community were reassuring, those data are now old (1995) and there are better sampling and analytical techniques available.
- Therefore, it is appropriate to re-assess soil gas concentrations in the community to confirm that the potential for vapor intrusion remains low.



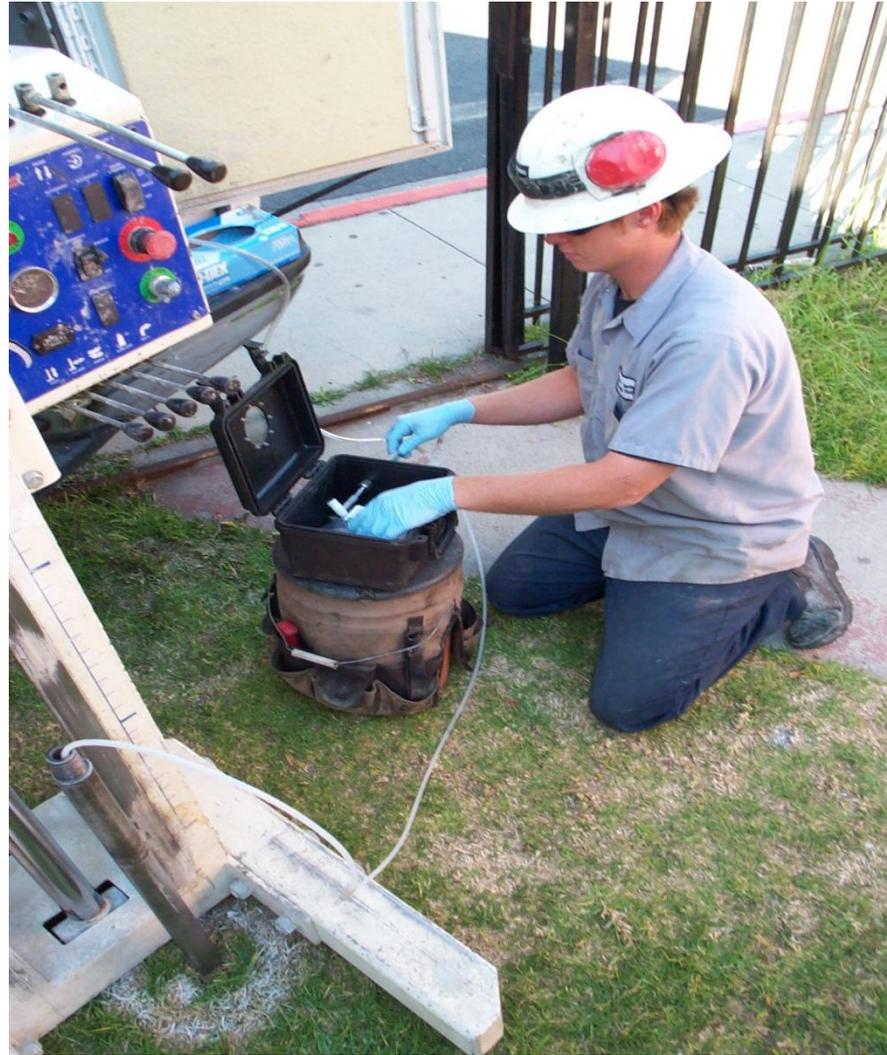
# Study Area

52<sup>nd</sup> Street Facility

# Truck Mounted Geoprobe



# Soil Gas Collection



# Mobile Laboratory





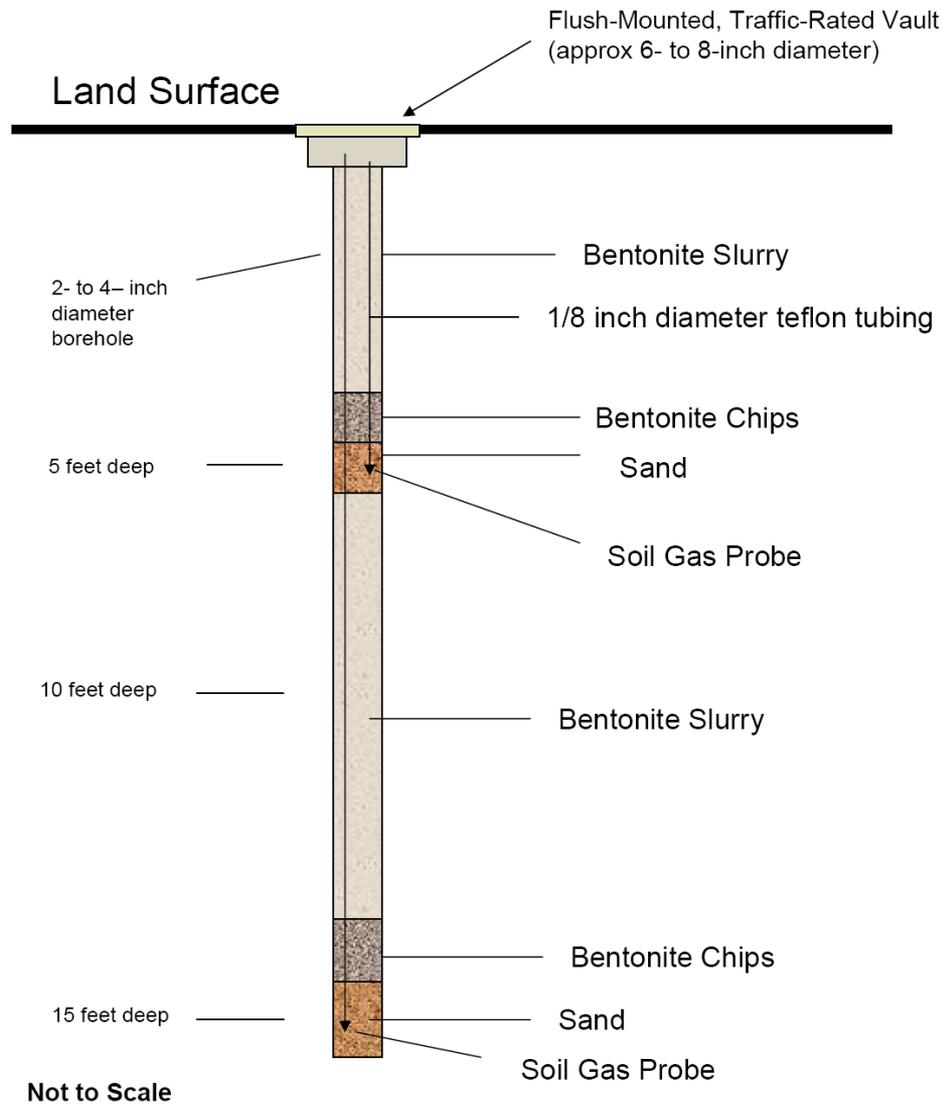
# Anticipated Schedule

- January 28<sup>th</sup> - Public input on Work Plan due
- Late March to late April – Collect soil gas samples
- Late May to early June – Complete data validation
- Results will be shared with the community after EPA review of final validated data

# Your input does matter

*Information we need from you:*

- Is there any local knowledge that will help us improve the quality of the data we gather?
- Are you affected by this work in ways that we haven't considered?



**Figure 3**  
**Proposed Soil Gas Sampling**  
**Implant Design**

# If Indoor Air Sampling is Warranted

- Freescale will submit a Draft Indoor Air Investigation Work Plan
- Work Plan will be shared with the community
- Two rounds of indoor air sampling will be conducted, one in hot and one in cool season