

**US Army Corps  
of Engineers  
Baltimore District**

# **Fort Detrick Remedial Investigation/Feasibility Study**

**Restoration Advisory Board Meeting  
28 November 2001, 7:30 PM  
Frederick, Maryland**

# Area B Removal Action Update



**US Army Corps  
of Engineers**  
Baltimore District

---

- **Initiation of Excavation Operations**

**(Video)**



**US Army Corps  
of Engineers**  
Baltimore District

# Area B-11 Removal Action Schedule

---

- **Started Excavation – November 6, 2001**
- **Excavation and loading expected to continue until March/April 2002 for Pit 1**
- **16 rollofs (210 cu yards) of non-contaminated overburden removed as of 27 November. 65 cu yards have been confirmed to be non-hazardous and will be sent to Fort Detrick's landfill. Remaining soil is pending test results for proper disposal.**
- **Disposal Facility Status: Canada rejected our permit to send our waste to Bennett Environmental. Currently getting updated bids for other disposal facilities. This will increase our costs by as much as \$500,000.**



US Army Corps  
of Engineers  
Baltimore District

# Area B Funding Status

Pit 1 Now - Postpone Award	
Contract Base	\$9,000,000.00
Total IT/Corp fees	\$770,111.00
5% Contingency	\$488,505.55
Total FY02 Funding needed	\$10,258,616.55
Prior year funding	\$5,557,404.18
FY02 Budget	\$4,900,000.00
FY02 Essential Projects	\$152,000.00
Available FY02 Funding	\$4,748,000.00
<b>FY02 Balance</b>	<b>\$46,787.63</b>
IT's Award fee 7%max	\$630,000.00
USACE S&A @8%	\$50,400.00
Total Postponed fees	\$680,400.00
Total Fees + Contingency	\$714,420.00
FY03 Budget	\$1,800,000.00
FY03 Essential Projects	\$152,000.00
Available FY03 Funding	\$1,648,000.00
<b>FY03 Balance</b>	<b>\$933,580.00</b>
<b>Total Pit1 Cost</b>	<b>\$10,973,036.55</b>



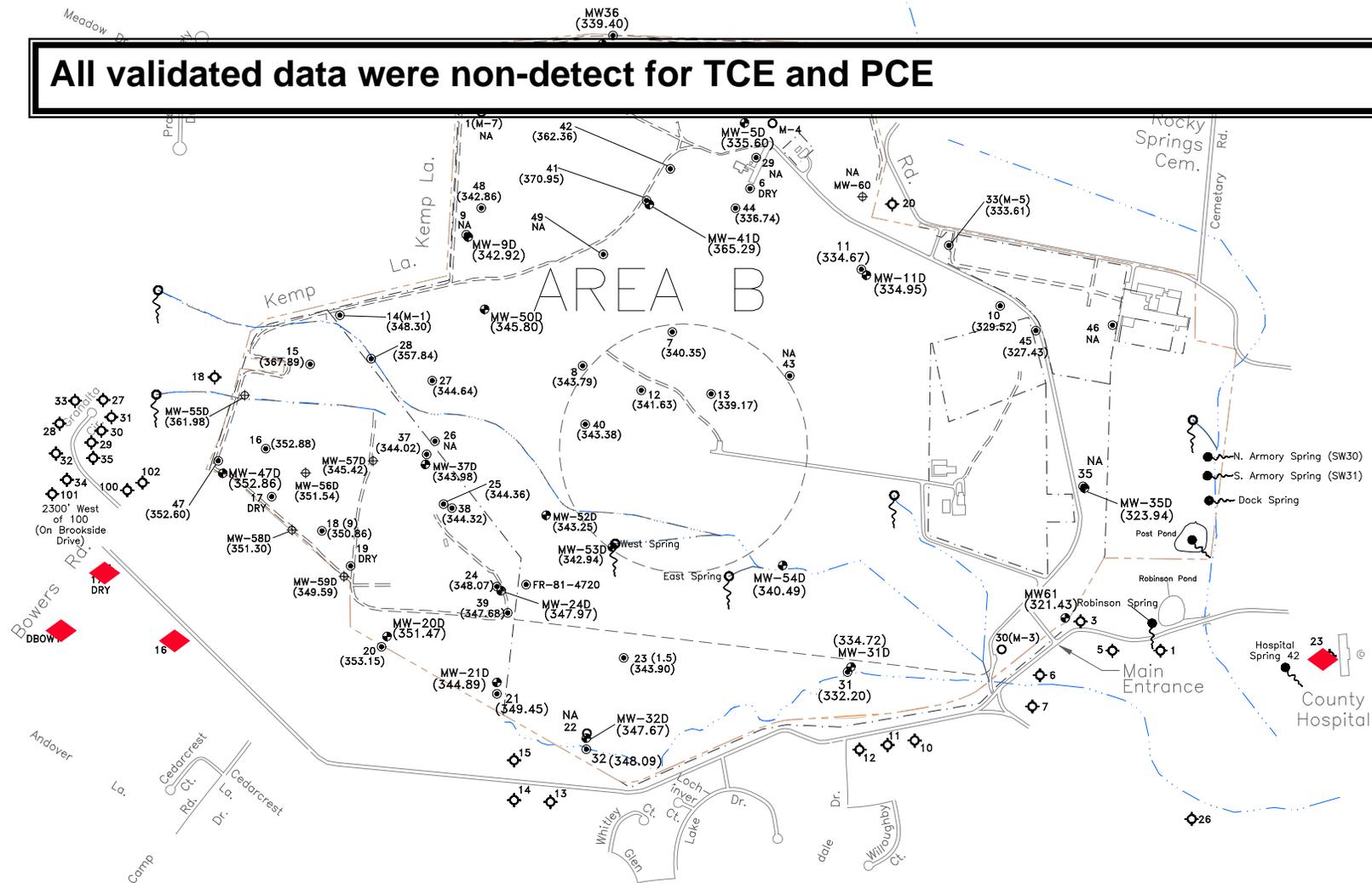
US Army Corps  
of Engineers  
Baltimore District

# Fort Detrick RI/FS

## RESIDENTIAL BOUNDARY WELLS

### Sampling Locations June 2001

All validated data were non-detect for TCE and PCE





# Fort Detrick RI/FS

## RESIDENTIAL BOUNDARY WELLS Sampling Locations August 2001

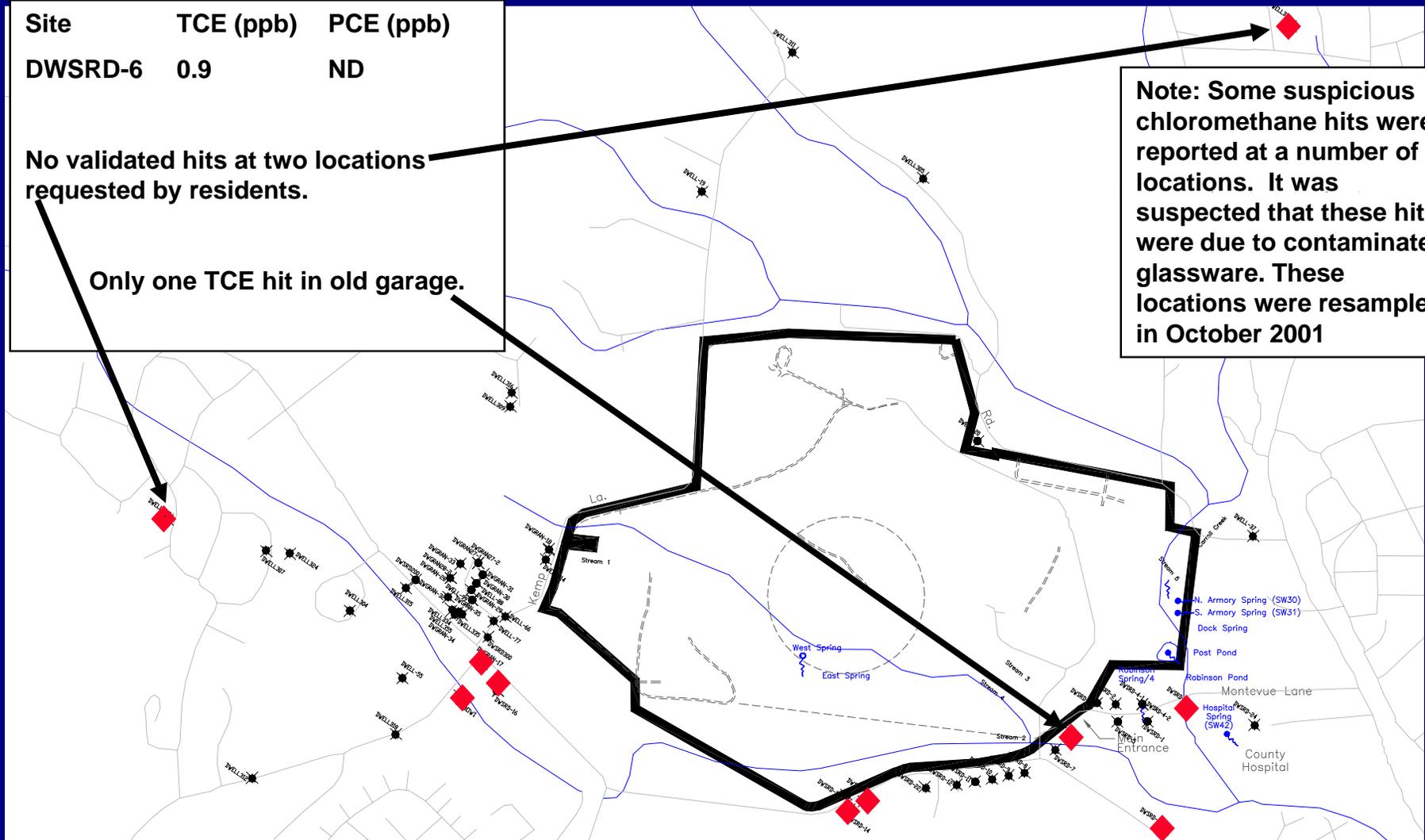
US Army Corps  
of Engineers  
Baltimore District

Site	TCE (ppb)	PCE (ppb)
DWSRD-6	0.9	ND

No validated hits at two locations requested by residents.

Only one TCE hit in old garage.

Note: Some suspicious chloromethane hits were reported at a number of locations. It was suspected that these hits were due to contaminated glassware. These locations were resampled in October 2001



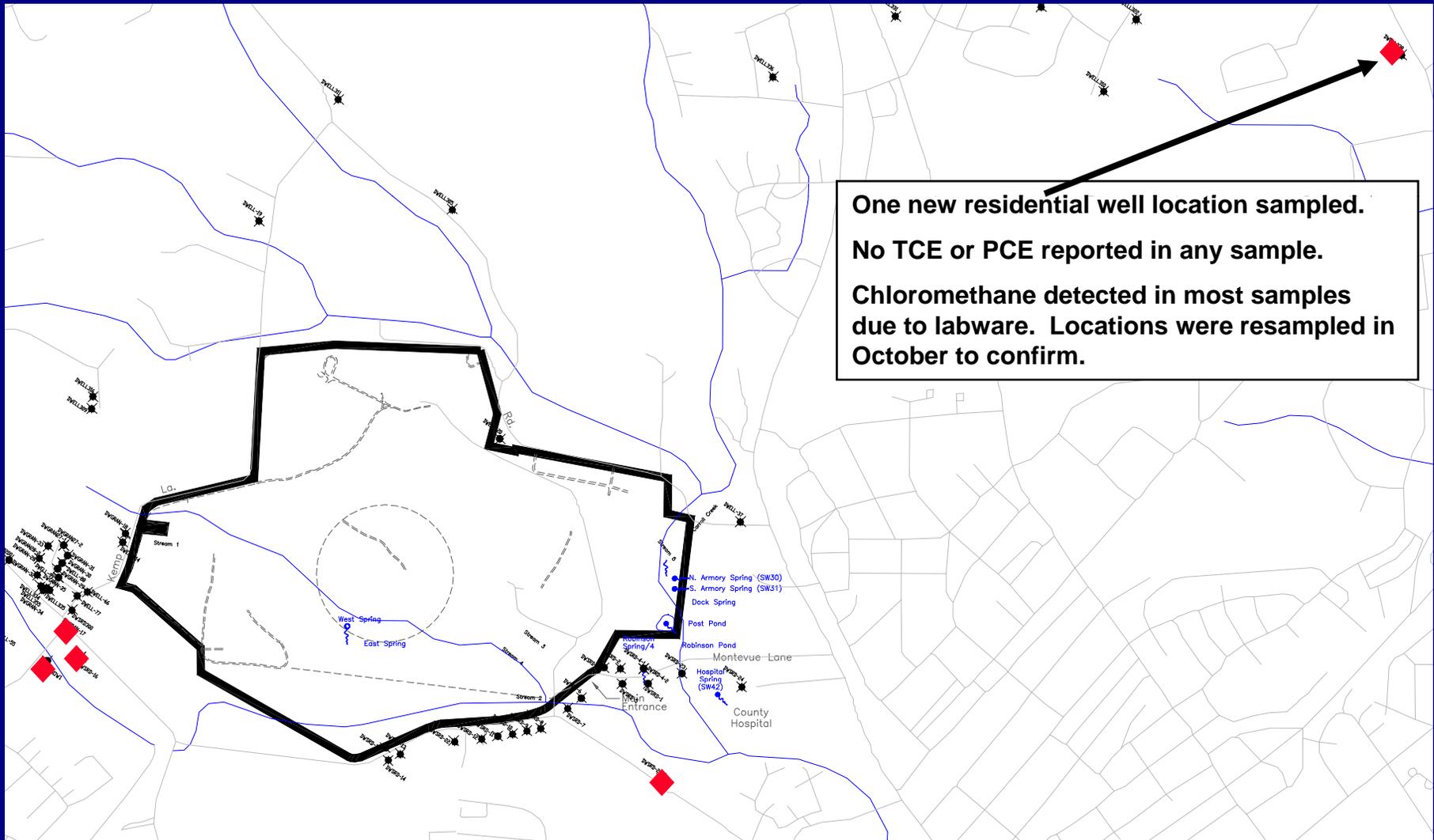


**US Army Corps  
of Engineers  
Baltimore District**

# Fort Detrick RI/FS

## RESIDENTIAL BOUNDARY WELLS

### Sampling Locations September 2001





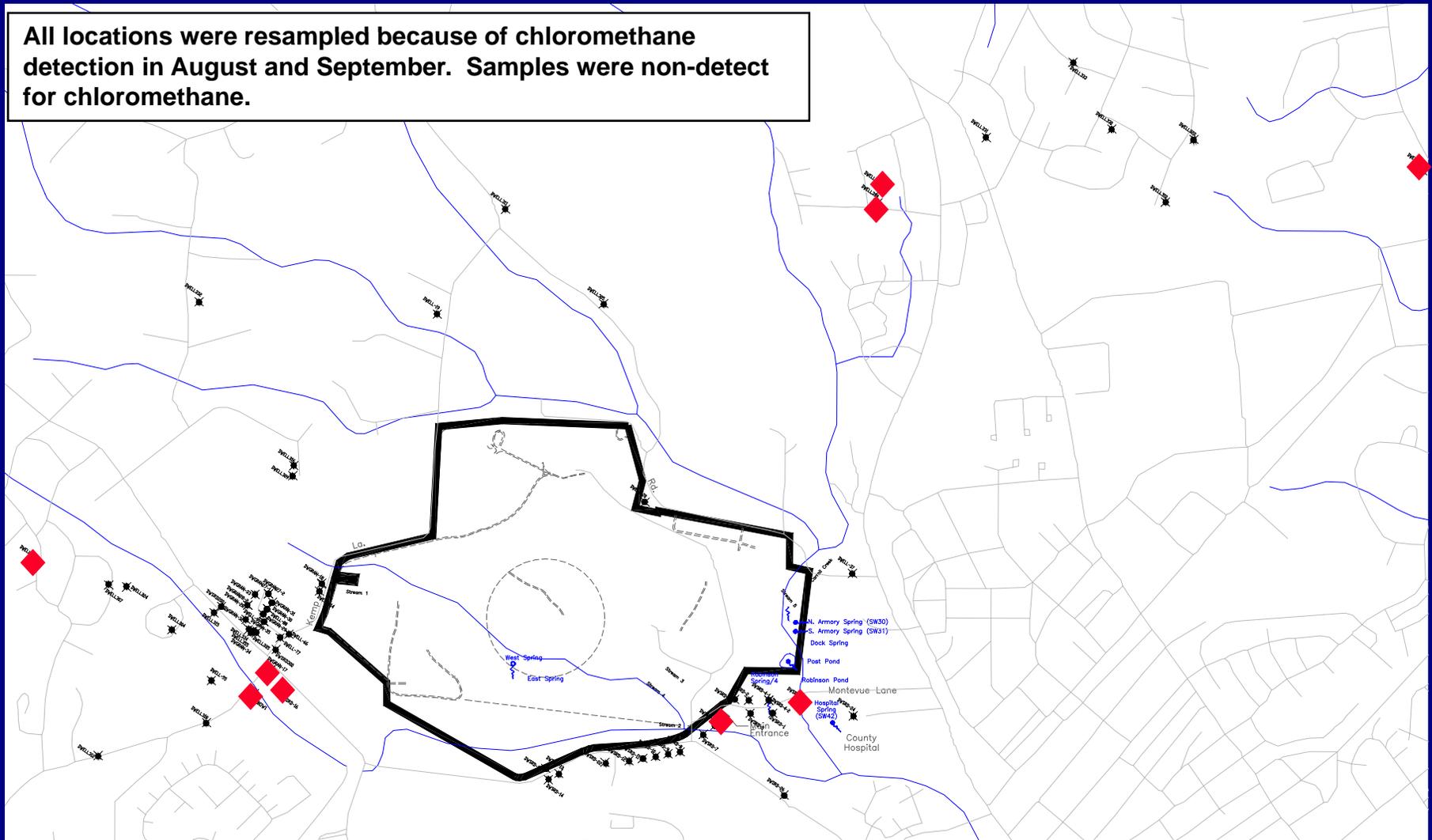
US Army Corps  
of Engineers  
Baltimore District

# Fort Detrick RI/FS

## RESIDENTIAL BOUNDARY WELLS

### Sampling Locations October 2001

All locations were resampled because of chloromethane detection in August and September. Samples were non-detect for chloromethane.





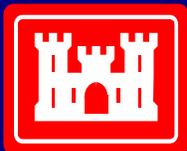
**US Army Corps  
of Engineers**  
Baltimore District

# Fort Detrick RI/FS

## Area A Decision Document

---

- **Two Area A Decision Document were produced.**
  - **Area A Groundwater**
  - **Area A Seven No Further Action Sites**
- **Both Documents were approved by Major General John S. parker on 24 July 2001**
- **Documents are Available at Repositories for inspection.**
- **Area A Next Steps:**
  - **Work Plans for the long-term monitoring of groundwater**
  - **Start long-term monitoring (Spring 01)**



**US Army Corps  
of Engineers**  
Baltimore District

---

# Area C Status Update

- **Proposal for close-out of ecological risk assessment in preparation.**
- **One groundwater well is to be resampled due to the presence of dioxin/furans initial sample. Currently waiting on validation of this data.**
- **Human health risk assessment and remainder of RI pending additional funding for completion.**
- **Received funds to remove ash to Fort Detrick's landfill (pending test results).**