



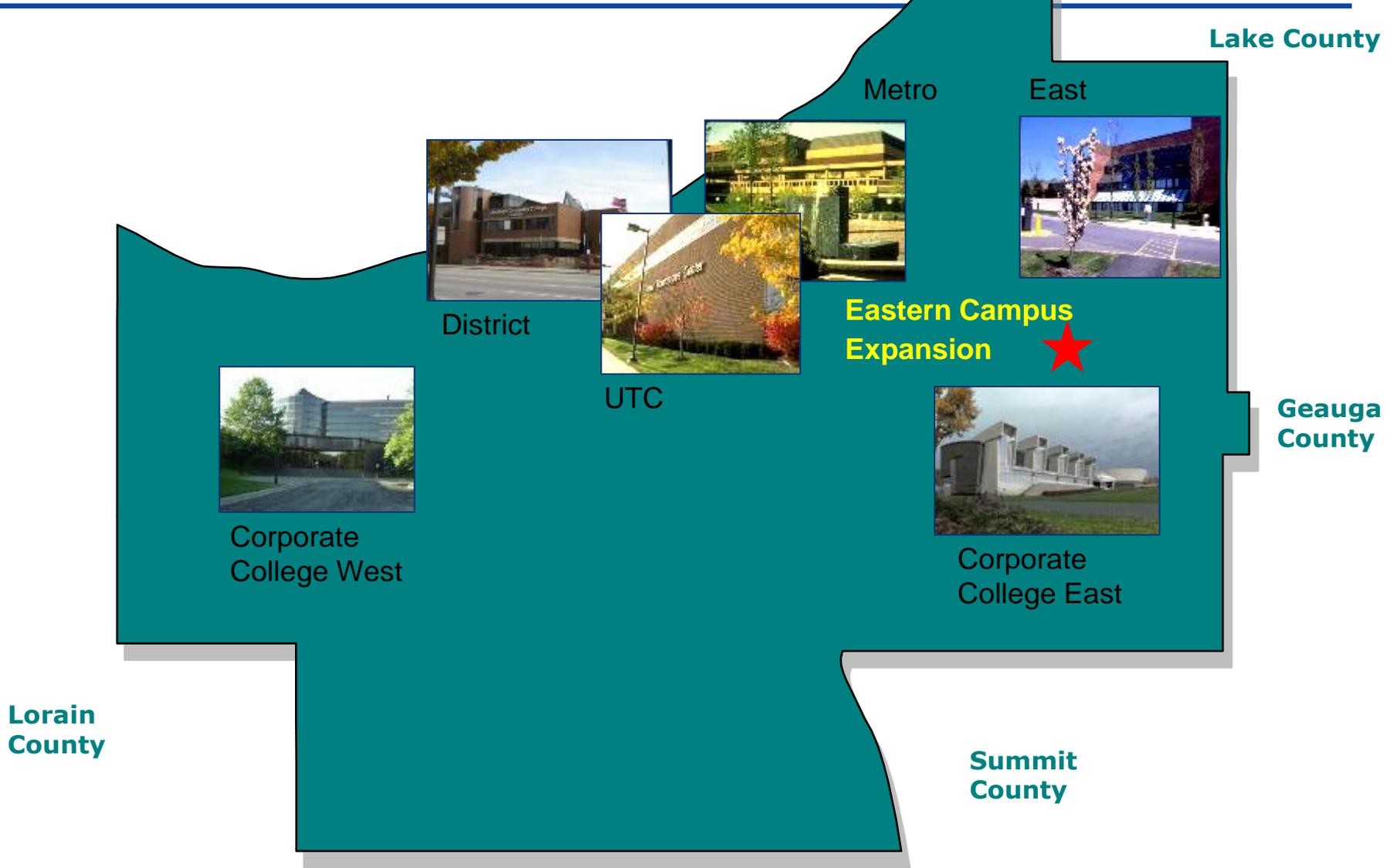
URS

Cuyahoga Community College Clean Ohio Fund Success Story



Ohio Voluntary Action Program
Certified Professionals Training
October 7, 2013

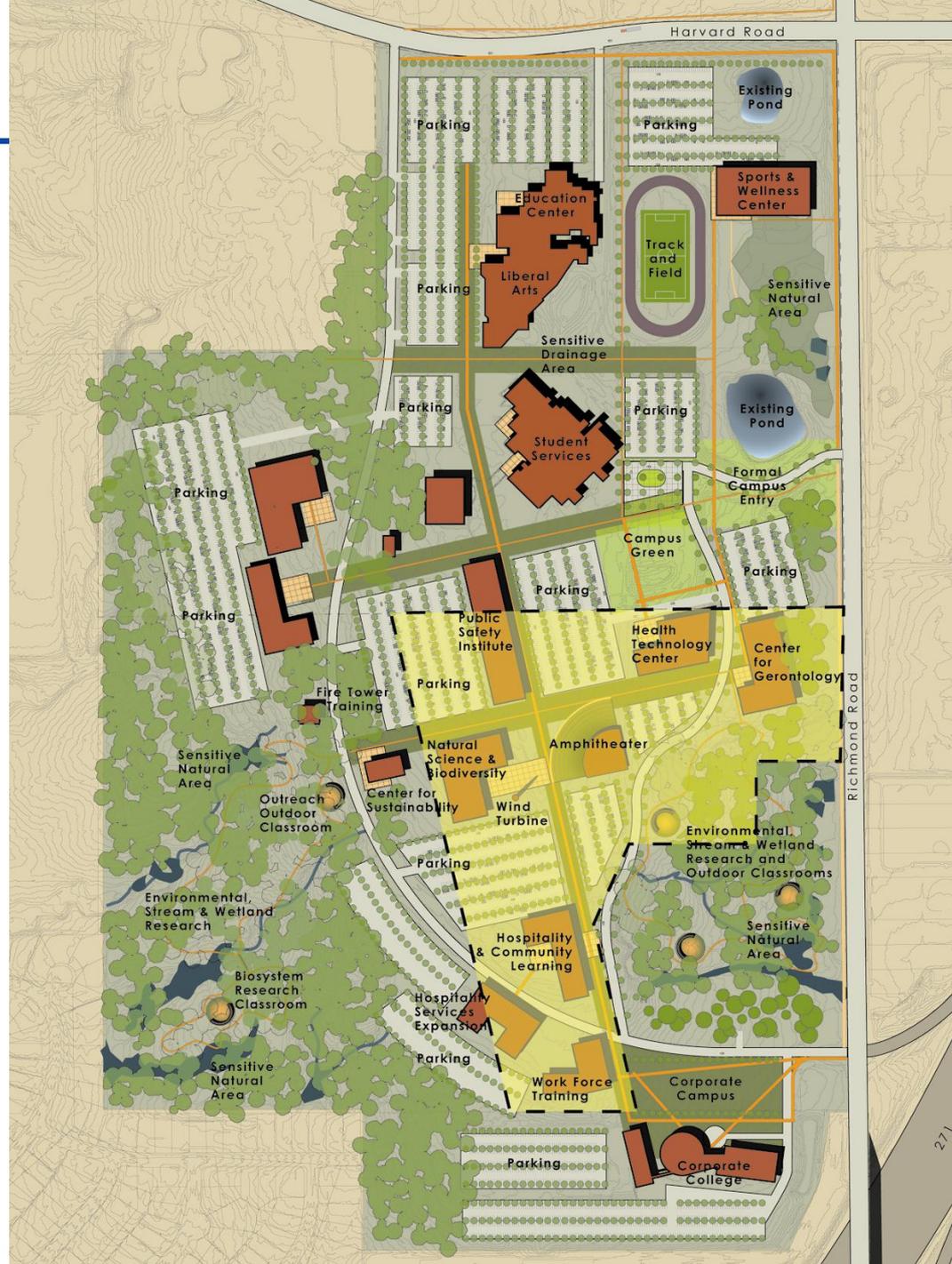
CCC Eastern Campus Location





- **Corporate College: 19 acres**
- **Dec '07 Purchase: 106 acres**
- **CORF Property: 42 acres**
- **Eastern Campus: 96 acres**

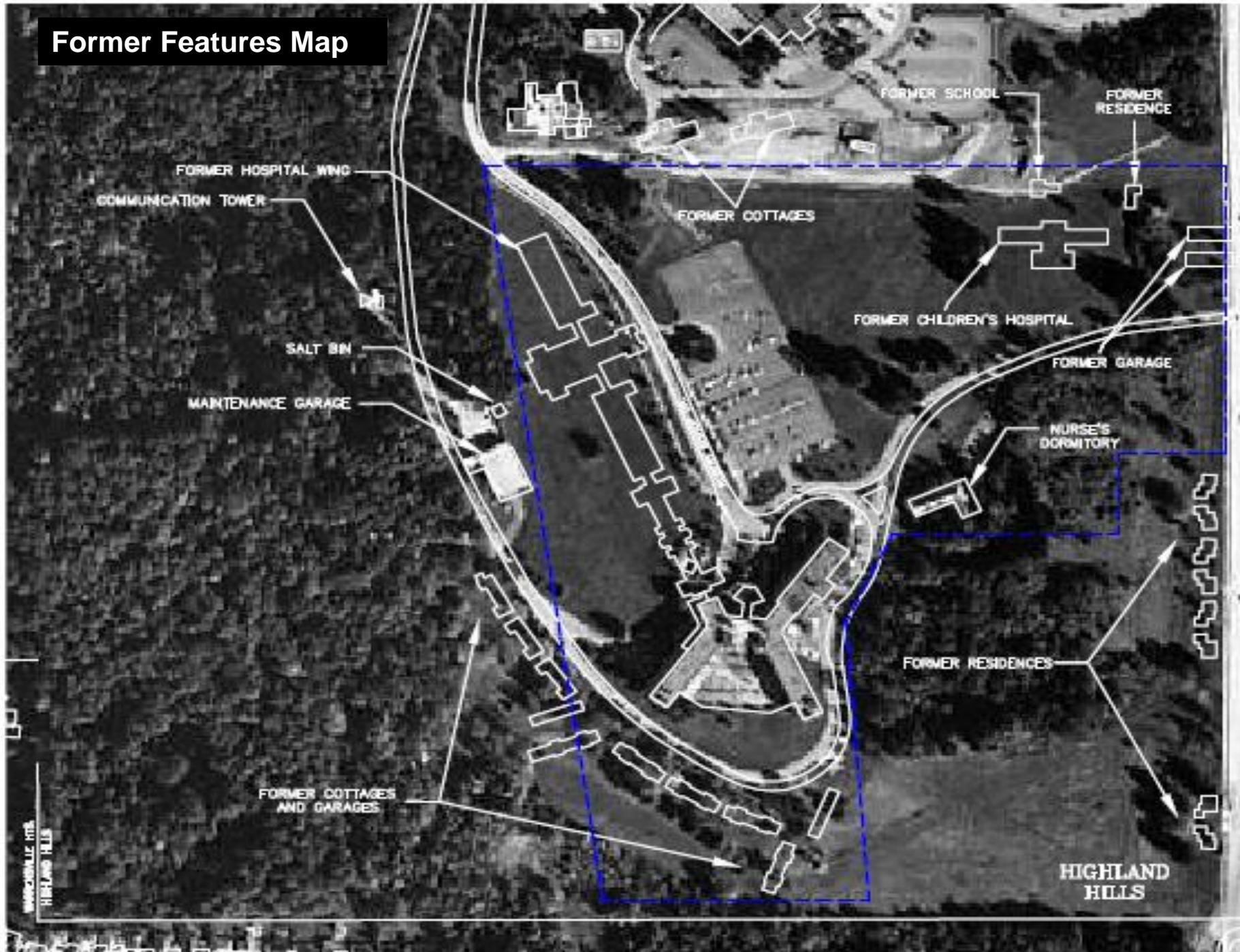
Eastern Campus Master Plan



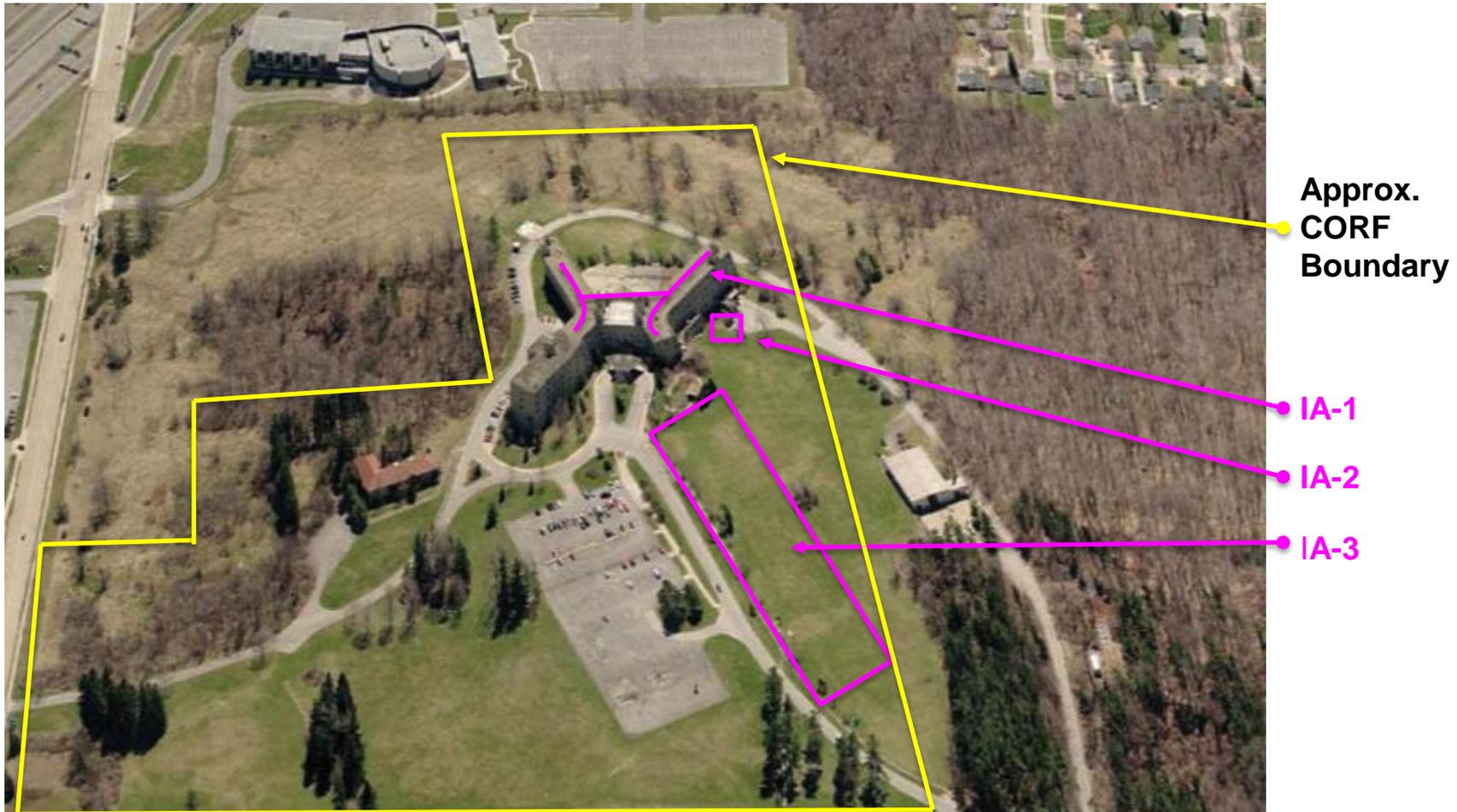
Phase I Assessment



Former Features Map



Identified Area Map



- IA-1. Crawl Space beneath Main Hospital Building
- IA-2. Pesticide/Herbicide Storage Building
- IA-3. Former Hospital Wing Demolition Debris

Phase II Assessment

- Visual Observation & Sampling Asbestos in Soil
- Trenching & Sampling Buried Demolition Debris
- Soil Borings near Pesticide/Herbicide Storage Building (non-detect)
- Roadbed Slag Sampling (discovered during demolition)
- Stockpiled Soil & Backfill Sampling
- Off-Property Groundwater Sampling
- Asbestos & Regulated Materials Survey for Main Hospital Building and Nurses' Dormitory

CORF Grant Budget

CORF Grant Request	\$3,000,000
Tri-C (Private Funding)	\$6,938,637*

* Includes acquisition

Project Costs

<u>Eligible Costs</u>	<u>Amount (\$)</u>
Acquisition	4,325,425*
Demolition	2,555,630
Cleanup	3,057,582
Total Project Cost	\$9,938,637

Remedial Activities

- Regulated Materials Removal & Disposal
 - Transformer Vault (TSCA)
 - Electronics
 - Lead-Based Paint
- Guano Abatement
- ACM building materials removal in the Main Hospital Building and Nurses' Dormitory
- ACM on infrastructure (steam pipes, etc.)
- ACM debris and soil removal from the sub-basement crawl space; clean fill replacement
- Building and foundation demolition

Regulated Materials Removal & Disposal



Dirt-floor Crawl Space – ACM Pipe Insulation



Asbestos Abatement



Material Sorting & Crushing



Nurses' Dormitory During & After Demo



Main Hospital Bldg During & After Demo



Buried Former Hospital Wing Excavation – The Big Dig



Soil Backfill Characteristics



Economic Benefits

- Tri-C investment on the CORF property: \$26 million
- Retained 374 jobs and created 96 new jobs
- Total annual economic impact: \$34 million
- New Health Careers & Technology Building

Health Careers and Technology (HCT) Building



Courtesy of Cuyahoga Community College

Lessons Learned

1. Management of Asbestos-Containing Soil & Buried Debris
2. CORF Budget – Match Formulation
3. End Use Determination Changes
4. CORF Boundary

