

OP 359, Field Activity Documentation



CABRERA SERVICES
RADIOLOGICAL • ENVIRONMENTAL • REMEDIATION

CABRERA DAILY REPORT

1. PROJECT INFORMATION

PROJECT NAME/LOCATION: SUPPLEMENTAL RADIOLOGICAL SURVEY

DATE: 06/20/16

Former UNC Manufacturing Facility, New Haven, CT

REPORT No. 006

CONTRACT #:

CABRERA PROJECT #: 10-1007.00

TASK #: 015

FIELD SITE MANAGER: Al Craig

PROJECT MANAGER: Rob Flowers

2. WEATHER

TEMPERATURE RANGE: 60-77 degrees F

WIND SPEED/DIRECTION: South, calm to 10 mph

PRECIPITATION LAST 24 HOURS: ☐ YES ☒ NO

TYPE: NONE

AMOUNT: N/A

BAROMETRIC PRESSURE: 29.87"-30.26"

HUMIDITY: 58-96%

HEAT INDEX RANGE: N/A

WEATHER DELAYS: ☐ YES ☒ NO

DELAY TIME (HOURS): N/A

3. SUMMARY OF WORK

1) Indoor gamma walkover surveys within eastern half of Building 3H

4. MATERIALS & EQUIPMENT BROUGHT ON-SITE

Receipt inspection required & completed? ☐ Yes ☒ No

5. INSPECTIONS

| TYPE | DESCRIPTION | ACTION |
|--|-------------|--------|
| PREPARATORY | | |
| INITIAL | | |
| FOLLOW-UP | | |
| ARE ANY DEFICIENCIES NOTED IN FOLLOW-UP INSPECTIONS? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO – IF YES, EXPLAIN: | | |

| 6. DEFICIENCIES CORRECTED | | | |
|---------------------------|------------------|-------------|--------|
| DEFICIENCY # | REPORT REFERENCE | DESCRIPTION | ACTION |
| | | | |
| | | | |
| | | | |

| 7. TESTS PERFORMED | | |
|-------------------------|------|---------------|
| SPECIFICATION REFERENCE | TYPE | TEST & RESULT |
| | | |
| | | |
| | | |

ARE TEST RESULTS ATTACHED? ☐ YES ☐ NO ☒ NA – IF NO, EXPLAIN:

| 8. CABRERA PERSONNEL ON-SITE | | |
|------------------------------|---------------------------------------|------------------------------|
| EMPLOYEE NAME | TITLE | TASK(S) PERFORMED |
| Nicholas Berliner | Site Radiation Safety Lead (SRSL) | Sections 3 for tasks (8 Hrs) |
| Alfred Craig | Site Safety and Health Officer (SSHO) | Sections 3 for tasks (8 Hrs) |
| Gregory Bright | Deputy Project Manager | Stakeholder liaisons |

| 9. SUBCONTRACTOR PERSONNEL ON-SITE | | | | |
|------------------------------------|----------|-------------------|----------------|-----------|
| SUBCONTRACTOR NAME | JOB DUTY | TASK(S) PERFORMED | # OF PERSONNEL | MAN-HOURS |
| | | | | |
| | | | | |
| | | | | |
| TOTALS | | | 0 | 0 |

| 10. EQUIPMENT & MATERIALS ON-SITE | | | | | |
|-----------------------------------|---|--------------------|----------------|---------------|---------------|
| VENDOR | EQUIPMENT | SERIAL #. | ACTIVE OR IDLE | DATE RECEIVED | DATE RETURNED |
| ERG | 1 Ludlum 2360 scaler/rate meter with 43-37 gas proportional probe and 239-1F floor monitor cart | 145481 PR178371 | Active | 6/13/16 | |
| ERG | 1 Ludlum 2360 scaler/rate meter with 43-93 zinc sulphide scintillation probe | 184913 PR199839 | Active | 6/13/16 | |
| ERG | 1 Ludlum 2929 scaler sample counter with 43-10-1 zinc sulphide scintillation probe | 157320 PR157821 | Active | 6/13/16 | |
| ERG | 1 Ludlum 2221 scaler/ digital rate meter with Bicron G-5 sodium iodide scintillation probe | 108859 010807B | Active | 6/13/16 | |
| Cabrera | 1 Th-230 check source | 5205-04 | Active | 6/13/16 | |
| Cabrera | 1 Tc-99 check source | 5649-06 | Active | 6/13/16 | |
| Cabrera | 1 Co-60 check source | 277D161 | Active | 6/13/16 | |
| Cabrera | 1 CI-36 large-area calibration source | AC-2449 | Idle | 6/13/16 | 6/17/16 |
| Cabrera | 1 Sr-90 large-area calibration source | AC-2450 | Idle | 6/13/16 | 6/17/16 |
| Cabrera | 1 Tc-99 large-area calibration source | AC-2448 | Idle | 6/13/16 | 6/17/16 |
| Cabrera | 1 Th-230 large-area calibration source | AC-2446 | Idle | 6/13/16 | 6/17/16 |
| ERG | 1 Escort ELF lapel air sampler | A2-32568 | Idle | 6/13/16 | |
| United Rentals | 1 Honda EB 6500 generator | EBLC-1020473 | Idle | 6/13/16 | |
| United Rentals | 1 set of six foot by 30 inch rolling scaffold | | Idle | 6/13/16 | |
| United Rentals | 1 Skyjack SJIII 4626 electric scissor lift | 10149481 | Active | 6/14/16 | |
| Cabrera | 1 Ludlum 2360 scaler/rate meter with 43-93 zinc sulphide scintillation probe | 227246 PR244549 | Active | 6/15/16 | |
| Cabrera | 1 Ludlum Model 3 rate meter with 44-9 Geiger-Mueller probe | 218266 PR299268 | Active | 6/15/16 | |
| Cabrera | 1 Bicron MicroRem meter | 1844 | Active | 6/15/16 | |
| Cabrera | 1 Canberra FALCON detector | 13000012 | Idle | 6/17/16 | 6/17/16 |

| 11. MATERIAL GENERATED/STORED ON-SITE | | | | | |
|---|-------------------------|-------------------------|----------------|-------------------------------------|----------------------|
| MATERIAL ID | SOLID, LIQUID, OR MIXED | DESCRIPTION OF MATERIAL | CONTAINER TYPE | DISPOSITION OR LOCATION OF MATERIAL | AMOUNT* (CY OR TONS) |
| | | | | | |
| | | | | | |
| | | | | | |
| Totals | | | | | |
| ATTACH SEPARATE PAGES AS NEEDED. SEPARATE PAGES INCLUDED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | | | |

12. SAMPLE COLLECTION & ANALYSIS

| Sample ID/Spectrum ID | Media (Soil Water, Other) | Sampler Initials | On-Site or Off-Site Lab | Analyses / Type | Count time (sec) Does not include setup | Photo File # |
|-----------------------|---------------------------|------------------|-------------------------|-----------------|--|--------------|
| | | | | | | |
| | | | | | | |

ATTACH SEPARATE PAGES AS NEEDED. SEPARATE PAGES INCLUDED? ☐ YES ☒ NO**13. CHANGES/DELAYS/CONFLICTS**ANY CHANGES IN SITE CONDITIONS OCCUR TODAY? ☐ Yes ☒ No

IF YES, EXPLAIN:

DID A DELAY OR WORK STOPPAGE OCCUR TODAY? ☐ Yes ☒ No

IF YES, EXPLAIN:

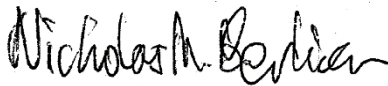
HAS ANYTHING DEVELOPED IN THE WORK WHICH MAY LEAD TO A CHANGE? ☐ Yes ☒ No

IF YES, EXPLAIN:

14. VERBAL INSTRUCTIONS RECEIVED:

| 15. HEALTH & SAFETY SUMMARY | |
|---|--|
| SAFETY BRIEFINGS | |
| WAS A SAFETY MEETING HELD? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | TOPIC DISCUSSED: Safe completion of tasks described in Section 3 |
| SAFETY INSPECTIONS | |
| WAS A SAFETY INSPECTION CONDUCTED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | |
| DEFICIENCIES NOTED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | DESCRIBE: |
| CORRECTIVE ACTIONS TAKEN: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | DESCRIBE: |
| SUMMARY OF WORK PERFORMED | |
| TYPE OF WORK: | Refer to description provided in Section 3 |
| CHEMICALS USED: | None |
| PPE LEVEL: | Safety shoes, hard hats, and eye protection |
| INCIDENT & NEAR MISS/OBSERVATION REPORTING | |
| ANY INCIDENTS ON-SITE TODAY? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | DESCRIPTION: |
| CABRERA INCIDENT REPORTING FORM ATTACHED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | |
| CLIENT SPECIFIC INCIDENT REPORTING FORM ATTACHED: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | |
| ANY NEAR MISSES/OBSERVATIONS ON-SITE TODAY? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | DESCRIPTION: |
| H&S RECOMMENDATIONS | |
| | |

| 16. REMARKS |
|--|
| <p>John Uruskyj from UNC, Greg Chandler and Dominic Arcidiacono from DOE, Ray Powell and Laurie Kauffman from the NRC, Jeff Semancik from CT DEEP, and Daniel Coleman from the FBI were on-site to inspect the condition of the building, the items of interest that were recovered, and the areas where the items of interest were recovered.</p> <p>Four additional radioactive items of interest were located: three in the western half of Building 3H and one outside of the building (refer to attached figure). These items included two metallic strips resembling one of the two items recovered on Thursday 6/16/16. The other recovered inside Building 3H was a smaller chunk of metal, and another was recovered from some clumps of mossy earth outside of an out-of-use entrance to Building 3H east of the Decon. Pit (refer to attached figure for recovery locations). The moss needs to be examined carefully to isolate and remove the item of interest.</p> |

| 17. VERIFICATION STATEMENT | |
|--|--|
| This report is complete and correct and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications except as noted above. | |
| NAME/TITLE: Nicholas Berliner, SRSL | SIGNATURE:  |
| DATE: 06/20/16 | |

| | |
|---|------------|
| 18. PROJECT MANAGER REVIEW & ACCEPTANCE | |
| REMARKS AND/OR EXCEPTIONS TO REPORT: | |
| | |
| ACCEPTANCE | |
| NAME/TITLE: Greg Bright, Deputy Project Manager | SIGNATURE: |
| DATE: 06/20/16 | |

OP 555 - Safety Meetings



SAFETY MEETING FORM

SIX QUESTIONS FOR SUCCESS – Take two minutes to think through and answer these questions:

1. What are we about to do?
2. What equipment are we going to use?
3. Have I/we been trained to use this equipment?
4. Have I/we been trained to do this job?
5. How can I/we be hurt?
6. How can I/we prevent this incident?

If you and your team aren't prepared to do the assigned work, **STOP WORK, and take time to properly prepare.**

Project Information

This sign-in log documents the topics of the safety meeting and individual attendance. Personnel who perform work operations onsite are required to attend and acknowledge their ability to ask questions and receipt of such briefings daily. Please provide a brief narrative of the selected topics as applicable to the Project in the comment box (ex. Name of AHA reviewed).

PROJECT NAME & LOCATION
UNC New Haven CT

10-1007.00

DATE/TIME

6-20-2016

WEATHER CONDITIONS

Topic

Discussion – check one

| | | | |
|--------------------------------------|---|---|---|
| Today's Scope of Work (All tasks) | <input type="checkbox"/> yes <input type="checkbox"/> n/a | Access / Egress / Slips, Trips, & Falls | <input type="checkbox"/> yes <input type="checkbox"/> n/a |
| Schedule / New Work / Scope Changes | <input type="checkbox"/> yes <input type="checkbox"/> n/a | Smoking, Eating, & Drinking | <input type="checkbox"/> yes <input type="checkbox"/> n/a |
| Reviewed Procedures, AHA, etc. | <input type="checkbox"/> yes <input type="checkbox"/> n/a | Washroom / Facilities Location | <input type="checkbox"/> yes <input type="checkbox"/> n/a |
| Emergency Action Plan & Procedures | <input type="checkbox"/> yes <input type="checkbox"/> n/a | Heat/Cold Stress | <input type="checkbox"/> yes <input type="checkbox"/> n/a |
| Communications Protocol | <input type="checkbox"/> yes <input type="checkbox"/> n/a | Exclusion Areas Barricades / Cones | <input type="checkbox"/> yes <input type="checkbox"/> n/a |
| Required PPE | <input type="checkbox"/> yes <input type="checkbox"/> n/a | Required Permits, Passes, Keys, etc. | <input type="checkbox"/> yes <input type="checkbox"/> n/a |
| Required Monitoring / Instruments | <input type="checkbox"/> yes <input type="checkbox"/> n/a | Decon Procedures / IDW Mgmt. | <input type="checkbox"/> yes <input type="checkbox"/> n/a |
| Site Control / Work Zones / Security | X <input type="checkbox"/> yes <input type="checkbox"/> n/a | Eqpmt. Inspections/Safety Checklists | <input type="checkbox"/> yes <input type="checkbox"/> n/a |

OTHER/COMMENTS Building access Surveys

Safety Meeting Attendees

Print Name

Nicole Berliner

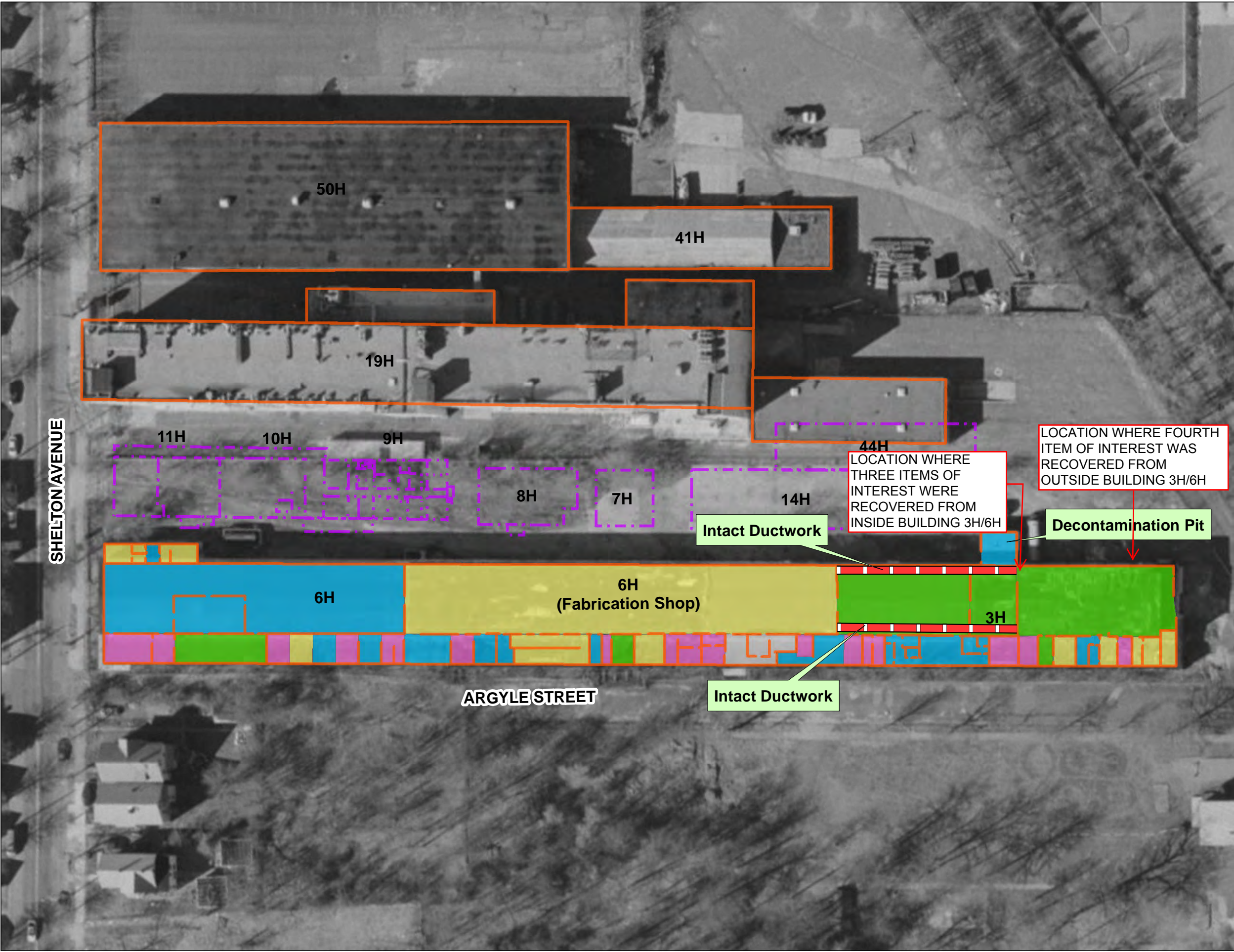
Signature

Safety Meeting Leader

Al Craig / SSHO

Print Name

Signature



Intact Ductwork

Buildings

- Existing Building
- Demolished

Accessible Area

Percent

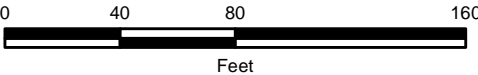
- 0 to 25%
- >25 to 50%
- >50 to 75%
- >75 to 100%
- Unknown

LOCATION WHERE FOURTH ITEM OF INTEREST WAS RECOVERED FROM OUTSIDE BUILDING 3H/6H

LOCATION WHERE THREE ITEMS OF INTEREST WERE RECOVERED FROM INSIDE BUILDING 3H/6H


Decontamination Pit

Note: Rooms labeled 'Unknown' were not accessible to assess during a site visit performed on March 1, 2016.



SITE BUILDINGS
BUILDING 3H/6H
ACCESSIBLE AREA

FORMER UNC FACILITY
NEW HAVEN, CONNECTICUT

| | | | |
|---|-----------------------------------|---------------------------|----------|
| 2/2016 | SMO | PROJECT NO. 10-1007.00 | FIGURE 2 |
|  | Cabrera Services Baltimore, MD | | |