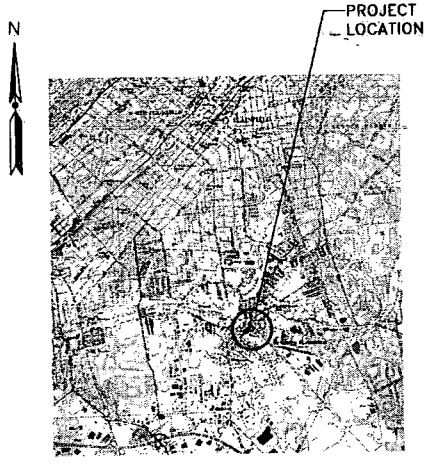
OU-1 REMEDIAL DESIGN
CORNELL-DUBILIER ELECTRONICS
SUPERFUND SITE
SOUTH PLAINFIELD, NEW JERSEY

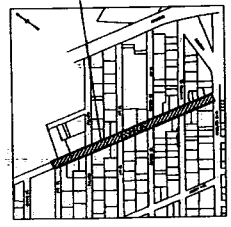
NEW MARKET RIGHT OF WAY



SOURCE: USGS QUADRANGLE, SOUTH PLAINFIELD, N.J.

SITE LOCATION MAP

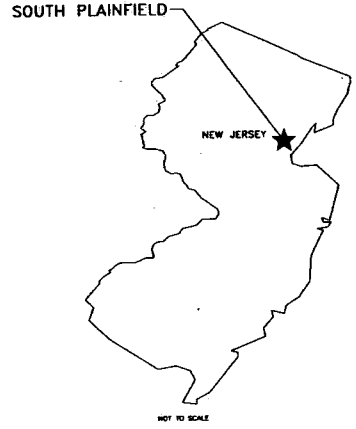
APPROXIMATE SCALE IN FEET
0 2000 4000 8000



US Army Corps of Engineers

ARCADIS MALCOLM PIRNIE
Infrastructure · Water · Environment · Buildings

AUGUST 2013



VICINITY MAP
NOT TO SCALE

ARCADIS MALCOLM PIRNIE

REVISIONS:

No.	Date	Remarks

U.S. Army Corps of Engineers
KANSAS CITY DISTRICT

PROJECT NAME: OU-1 REMEDIAL DESIGN CORNELL-DUBILIER ELECTRONICS SUPERFUND SITE SOUTH PLAINFIELD, NEW JERSEY

SHEET TITLE: COVER SHEET

JOB NO:
CONTRACT NO:
SHEET NAME: CS-1
DRAWN BY: C. DWRYER
DESIGNED BY: A. MASON
CHECKED BY: B. GIRARD
FILE NAME:
DATE: AUGUST 2013

299001

DRAWING INDEX

DWG No.	DRAWING TITLE
CS-1	COVER SHEET
L-1	DRAWING INDEX, LEGEND & NOTES
FIGURE-1	EXCAVATION PLAN – HANCOCK TO BERGEN STREET
FIGURE-2	EXCAVATION PLAN – BERGEN TO PITT STREET
FIGURE-3	EXCAVATION PLAN – PITT TO PULASKI STREET
FIGURE-4	EXCAVATION PLAN – PULASKI TO RIO STREET

GENERAL NOTES

1. CONTRACTOR SHALL PROTECT EXISTING FEATURES NOT DESIGNATED TO BE REMOVED AND RESTORE FROM DAMAGE. AT THE DIRECTION OF THE COR, CONTRACTOR SHALL REPLACE OR REPAIR ANY DAMAGED FEATURE.
2. CONTRACTOR SHALL PERFORM SOIL EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH SECTION 01356A.
3. BASE MAPPING WAS ORIGINALLY PROVIDED BY CAPE PRIOR TO 2008 AND WAS MODIFIED BY MALCOLM PIRNIE TO REFLECT 2008 SAMPLING EVENTS. IT IS EXPECTED THAT PROPERTY BOUNDARIES ORIGINALLY PROVIDED BY CAPE WERE DEVELOPED BASED ON TAX MAPS WHICH MAY NOT BE ACCURATE. PROPERTY BOUNDARIES DEPICTED ON THESE MAPS ARE CONSIDERED APPROXIMATE.
4. THE HORIZONTAL DATUM COORDINATE SYSTEM IS THE NEW JERSEY STATE PLAN COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983. CT (NAD83).

EXCAVATION NOTES

5. CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO COMMENCING EXCAVATION, COORDINATE WITH APPLICABLE UTILITY COMPANIES, AND IMPLEMENT PROTECTIVE MEASURES AS REQUIRED.
6. CONTRACTOR SHALL ESTABLISH ON-SITE SURVEY CONTROL TO ACCURATELY RESTORE THE SITE TO THE ORIGINAL GRADES, ELEVATIONS, AND CONDITIONS. AT THE CONCLUSION OF THE WORK, CONTRACTOR SHALL DEVELOP A DETAILED FINAL AS-BUILT DRAWING.
7. CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS TO AND FROM THE SITE TO EFFECTIVELY PERFORM THE WORK. CONTRACTOR SHALL PROTECT CONCRETE SIDEWALKS AND CURBS. CONTRACTOR SHALL CLEAN SIDEWALK AND ACCESS WAYS AS NEEDED DURING AND AT THE CONCLUSION OF THE WORK. UNLESS OTHERWISE NOTED, ANY SIDEWALK, CURB, OR CONCRETE DAMAGED SHALL BE REPLACED BY THE CONTRACTOR AT THE DIRECTION OF THE COR.
8. CONTRACTOR SHALL COLLECT, TREAT, AND DISPOSE OF GROUNDWATER AND SURFACE WATER THAT ACCUMULATES IN EXCAVATION AREAS IN ACCORDANCE WITH SECTION 02310. GROUNDWATER IS ANTICIPATED TO BE BELOW THE EXCAVATION LIMITS. NO DEWATERING IS ANTICIPATED DURING EXCAVATION ACTIVITIES.
9. CONTRACTOR SHALL PROVIDE ALL SHORING, SHEETING, AND BRACING NECESSARY TO CONDUCT THE WORK SAFELY, RETAIN THE SIDEWALLS AND PREVENT DAMAGE TO ADJACENT UTILITIES AND STRUCTURES.

RESTORATION NOTES

1. CONTRACTOR SHALL RESTORE ALL DISTURBED AND EXCAVATED AREAS TO PRE-CONSTRUCTION GRADES AND ELEVATIONS UNLESS OTHERWISE NOTED OR SPECIFIED.
2. CONTRACTOR SHALL REINSTALL OR REPLACE WITH EQUIVALENT, CHAIN LINK OR WOOD PANEL FENCE TO THEIR ORIGINAL LOCATIONS AND IN ACCORDANCE WITH LOCAL CODES. POSTS SHALL BE RESET AT ORIGINAL LOCATIONS IN CONCRETE FOR POST SUPPORT. ANY DAMAGED MATERIALS SHALL BE REPLACED AS DIRECTED BY THE COR.
3. CONTRACTOR SHALL REINSTALL OR REPLACE ALL FEATURES TEMPORARILY REMOVED FROM THE LIMITS OF CONSTRUCTION.
4. CONTRACTOR SHALL RESTORE ADJACENT PROPERTIES DISTURBED DURING THE WORK TO PRE-CONSTRUCTION CONDITIONS.
5. CONTRACTOR SHALL REMOVE EROSION CONTROL MEASURES AND CLEAN SITE FOLLOWING RESTORATION.
6. CONTRACTOR SHALL REPLACE TREES REMOVED DURING REMEDIATION ACTIVITIES.

LEGEND

- PROPERTY/LOT LINE
- FENCE LINE
- CURB AND GUTTER
- EXISTING STRUCTURE
- EXISTING POOL
- UTILITY POLE
- STREET LIGHT
- COMBINATION MANHOLE
- CATCH BASIN
- TREES
- SHRUBS

ARCADIS MALCOLM PIRNIE

REVISIONS:

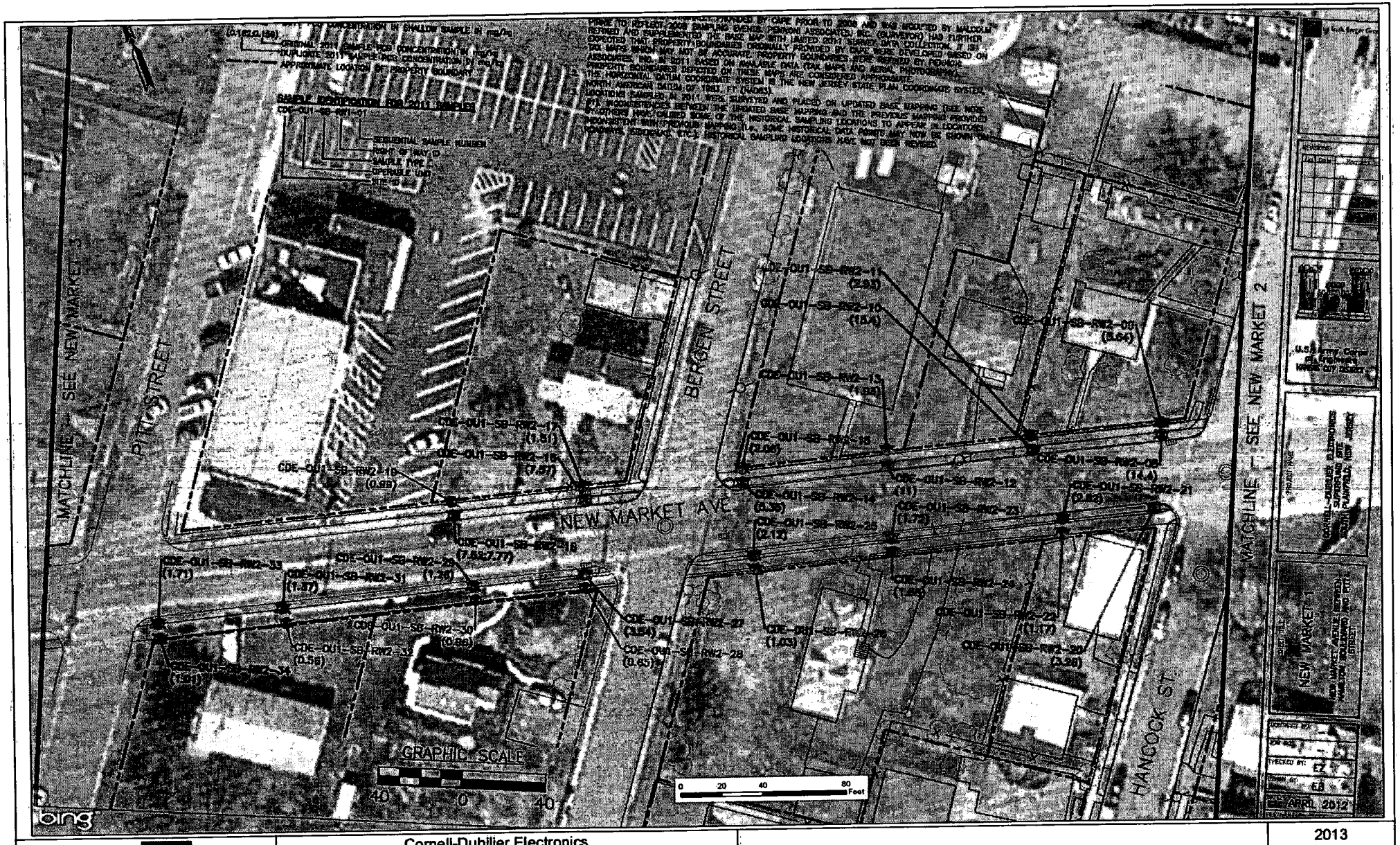
No.	Date	Remarks

U.S. Army Corps of Engineers
KANSAS CITY DISTRICT

PROJECT NAME: OU-1 REMEDIAL DESIGN CORNELL-DUBILIER ELECTRONICS SUPERFUND SITE SOUTH PLAINFIELD, NEW JERSEY

SHEET TITLE: DRAWING INDEX, LEGEND AND NOTES

JOB NO:	
CONTRACT NO:	
SHEET NAME: L-1	DRAWN BY: C. DWRYER
	DESIGNED BY: A. MASON
	CHECKED BY: B. GIRARD
FILE NAME: 01-06739G001	DATE: AUGUST 2013

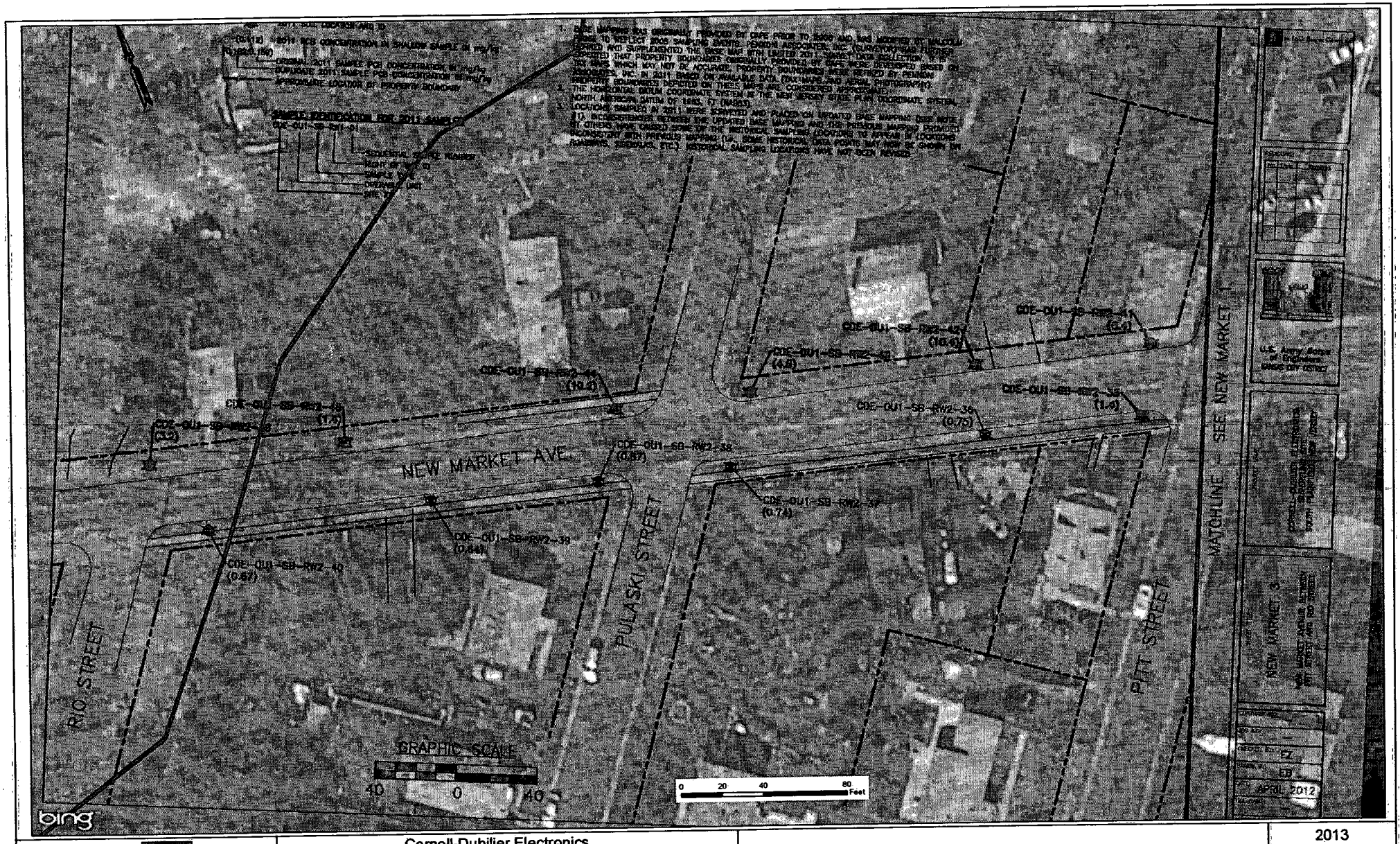


Cornell-Dubilier Electronics
Superfund Site
South Plainfield, New Jersey

Bound Brook Remedial Investigation/Feasibility Study

2013

Figure 1

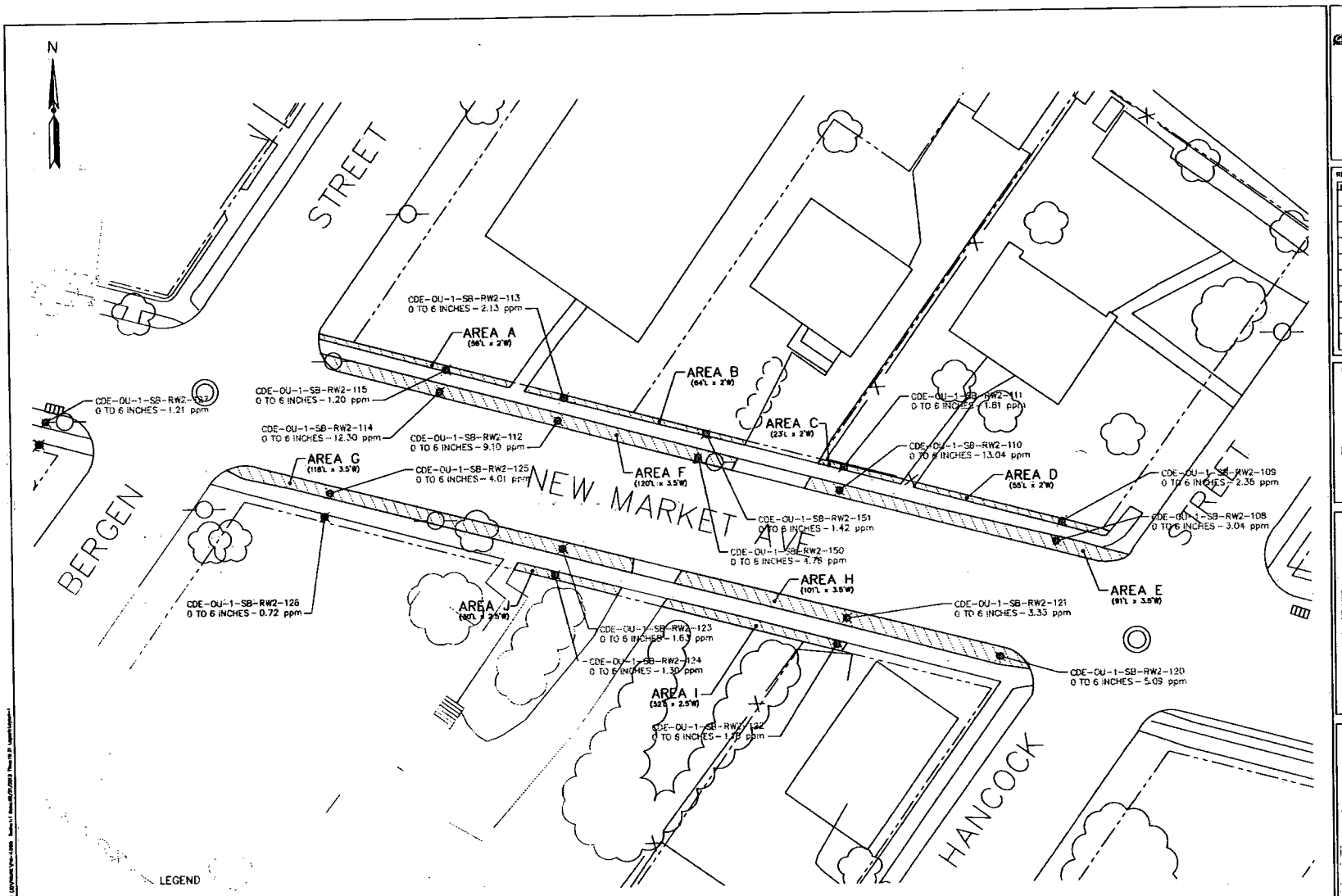


Cornell-Dubilier Electronics
Superfund Site
South Plainfield, New Jersey

Bound Brook Remedial Investigation/Feasibility Study

2013

Figure 2



LEGEND

2013 CONFIRMATORY SOIL SAMPLE LOCATION AND ID (LOCATIONS ARE APPROXIMATE)

DENOTES PRIMARY EXCAVATION TO 12" BELOW GROUND SURFACE (BGS) AND POTENTIAL SECONDARY EXCAVATION TO 18" BGS.

NOTE:
RED/BOLD REPRESENTS SAMPLES EXCEEDING ROD CRITERION OF 1.0 mg/kg.

TABLE 1 - VOLUME OF EXCAVATION

AREA	SQ. FT.	PRIMARY VOLUME (0"-12")	SECONDARY VOLUME (12"-18")
A	112	4 CY	2 CY
B	128	5 CY	3 CY
C	46	2 CY	1 CY
D	110	4 CY	2 CY
E	319	12 CY	6 CY
F	420	16 CY	8 CY
G	413	15 CY	6 CY
H	354	13 CY	7 CY
I	130	5 CY	3 CY
J	75	3 CY	2 CY
TOTAL EXCAVATION VOLUME		79 CY	42 CY

NOTES:

1. CONTRACTOR SHALL COLLECT CONFIRMATION BOTTOM SAMPLES ALONG THE EXCAVATION AT A SPACING OF 1 BOTTOM SAMPLE PER 900 SQUARE FEET OR 1 BOTTOM SAMPLE PER AREA. EXCAVATION SHALL PROCEED TO THE SECONDARY EXCAVATION AREAS ONLY AS NECESSARY BASED ON RESULTS OF CONFIRMATION SAMPLING AND AT THE DIRECTION OF THE COR.
2. DRAWING NOT TO SCALE. EXCAVATION AREAS SHOWN GENERALLY EXTEND BETWEEN HARD FEATURES AND/OR EASEMENT LIMITS TO BE MEASURED BY CONTRACTOR. EXCAVATION AREAS/VOLUMES IN MOST INSTANCES ARE BASED ON ACTUAL FIELD MEASUREMENTS SINCE BASE MAPPING IS APPROXIMATE.

ARCADIS BARCO MURPHY

REVISIONS:

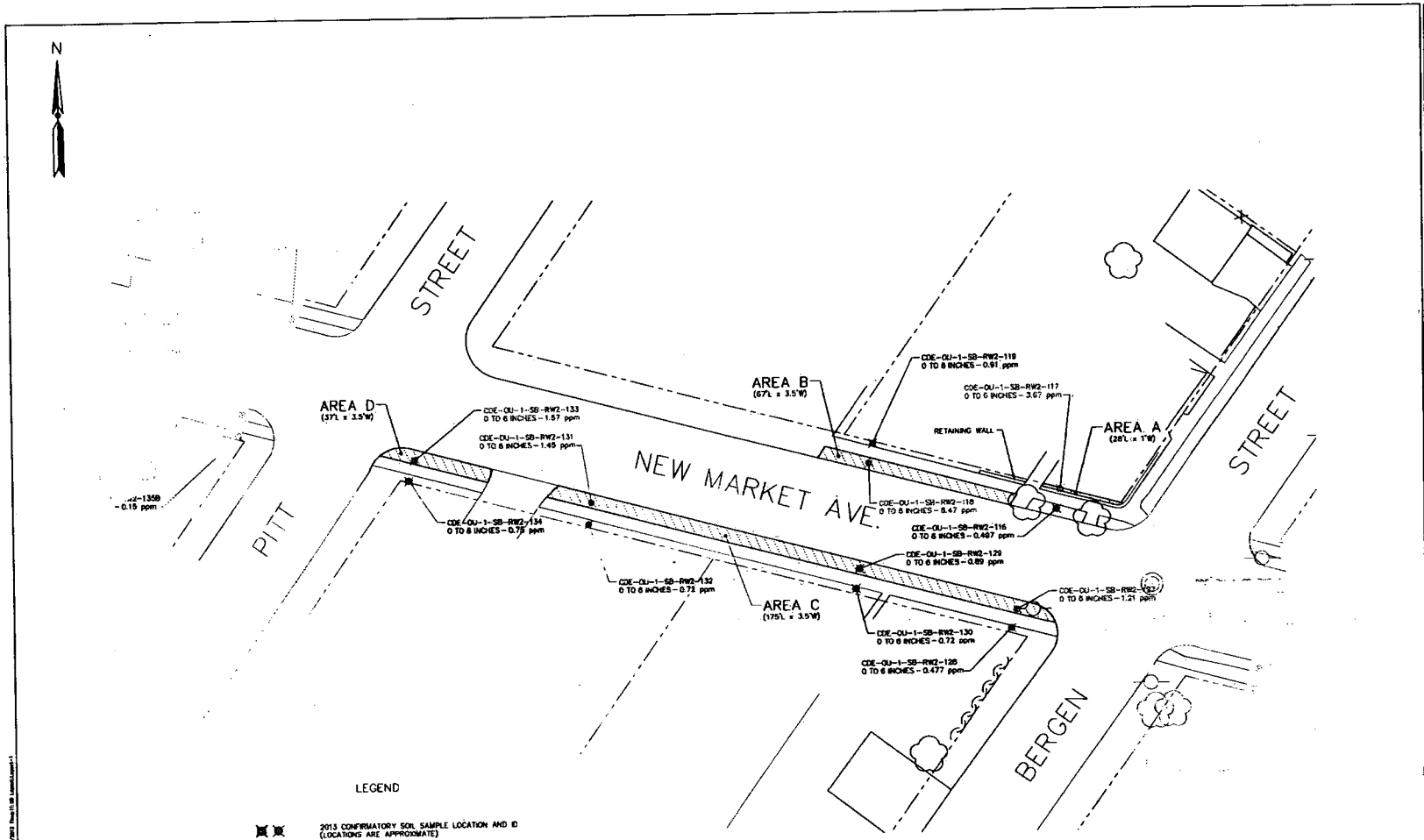
No.	Date	Remarks

U.S. Army Corps of Engineers
KANSAS CITY DISTRICT

PROJECT NAME
OU-1 REMEDIAL DESIGN
CORNELL-DUBILIER ELECTRONICS SUPERFUND SITE
SOUTH PLAINFIELD, NEW JERSEY

SHEET TITLE
EXCAVATION PLAN
HANCOCK TO BERGEN STREET
NOT TO SCALE

JOB NO:
CONTRACT NO:
SHEET NAME: FIGURE-1
DRAWN BY: C. DwWYER
DESIGNED BY: A. MASON
CHECKED BY: B. GIRARD
FILE NAME: 02-067390002
DATE: AUGUST 2013



LEGEND

2013 CONFIRMATORY SOIL SAMPLE LOCATION AND ID (LOCATIONS ARE APPROXIMATE)

DENOTES PRIMARY EXCAVATION TO 12" BELOW GROUND SURFACE (BGS) AND POTENTIAL SECONDARY EXCAVATION TO 18" BGS.

NOTE:
RED/BOLD REPRESENTS SAMPLES EXCEEDING ROD CRITERION OF 1.0 mg/kg.

TABLE 1 - VOLUME OF EXCAVATION

AREA	SQ. FT.	PRIMARY VOLUME (0"-12")	SECONDARY VOLUME (12"-18")
A	28	1 CY	1 CY
B	235	9 CY	5 CY
C	613	23 CY	12 CY
D	130	5 CY	3 CY
TOTAL EXCAVATION VOLUME		38 CY	21 CY

NOTES:

1. CONTRACTOR SHALL COLLECT CONFIRMATION BOTTOM SAMPLES ALONG THE EXCAVATION AT A SPACING OF 1 BOTTOM SAMPLE PER 900 SQUARE FEET OR 1 BOTTOM SAMPLE PER AREA. EXCAVATION SHALL PROCEED TO THE SECONDARY EXCAVATION AREAS ONLY AS NECESSARY BASED ON RESULTS OF CONFIRMATION SAMPLING AND AT THE DIRECTION OF THE COR.
2. DRAWING NOT TO SCALE. EXCAVATION AREAS SHOWN GENERALLY EXTEND BETWEEN HARD FEATURES AND/OR EASEMENT LIMITS TO BE MEASURED BY CONTRACTOR. EXCAVATION AREAS/VOLUMES IN MOST INSTANCES ARE BASED ON ACTUAL FIELD MEASUREMENTS SINCE BASE MAPPING IS APPROXIMATE.

ARCADIS MALCOLM PIRNIE

REVISIONS:

No.	Date	Remarks

U.S. Army Corps of Engineers
KANSAS CITY DISTRICT

PROJECT NAME
OU-1 REMEDIAL DESIGN
CORNELL-DUBILIER ELECTRONICS
SUPERFUND SITE
SOUTH PLAINFIELD, NEW JERSEY

SHEET TITLE
EXCAVATION PLAN
BERGEN TO PITT STREET

NOT TO SCALE

JOB NO:

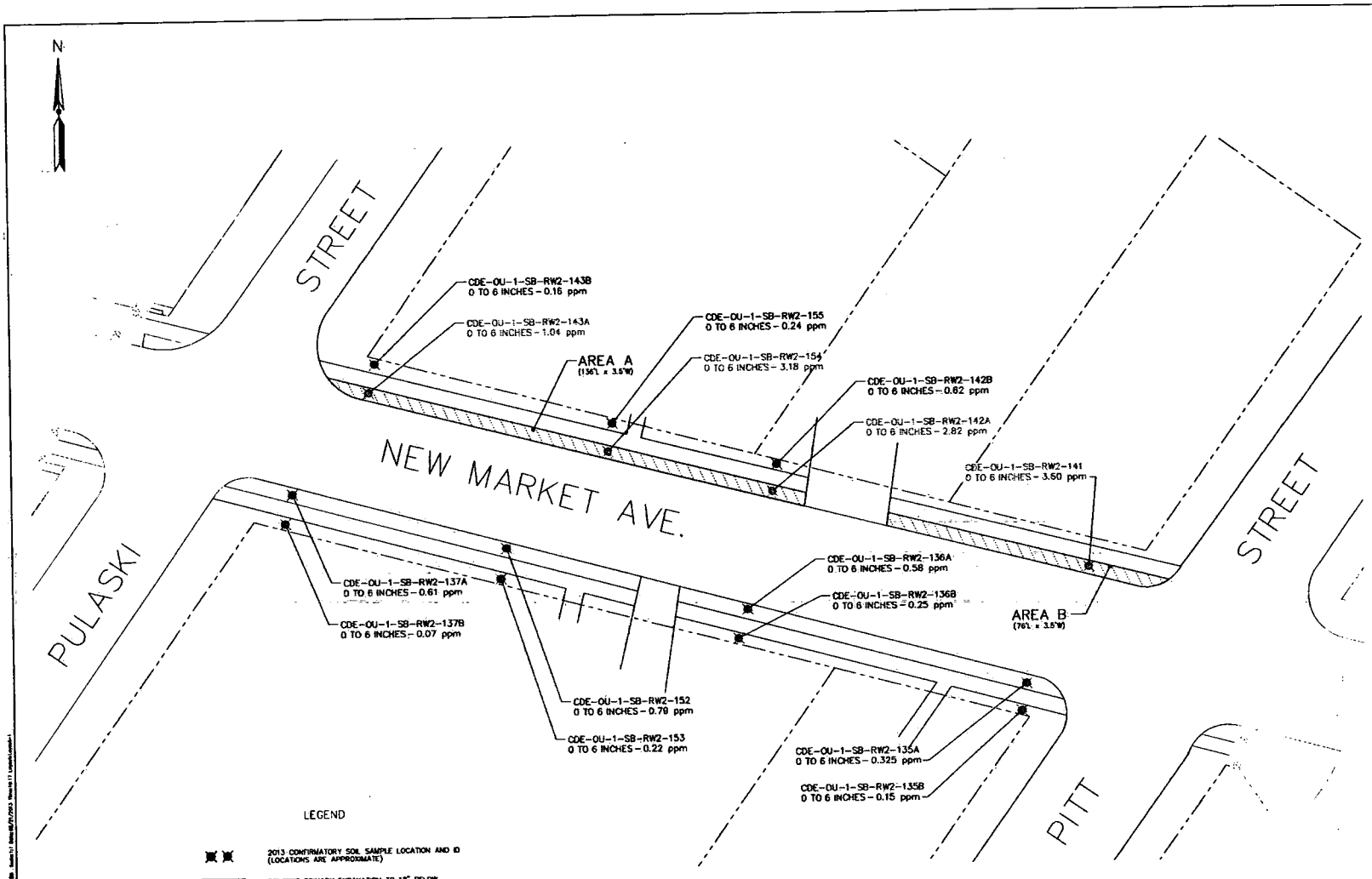
CONTRACT NO:

SHEET NAME: FIGURE-2

DRAWN BY: C. DWRYER
DESIGNED BY: A. MASON
CHECKED BY: B. GIRARD

FILE NAME: 03-067390003

DATE: AUGUST 2013



LEGEND

2013 CONFIRMATORY SOIL SAMPLE LOCATION AND ID (LOCATIONS ARE APPROXIMATE)

DENOTES PRIMARY EXCAVATION TO 12" BELOW GROUND SURFACE (BGS) AND POTENTIAL SECONDARY EXCAVATION TO 18" BGS.

NOTE:
RED/BOLD REPRESENTS SAMPLES EXCEEDING ROD CRITERION OF 1.0 mg/kg.

TABLE 1 - VOLUME OF EXCAVATION

AREA	SQ. FT.	PRIMARY VOLUME (0"-12")	SECONDARY VOLUME (12"-18")
A	478	18 CY	5 CY
B	266	10 CY	9 CY
TOTAL EXCAVATION VOLUME		28 CY	14 CY

NOTES:

1. CONTRACTOR SHALL COLLECT CONFIRMATION BOTTOM SAMPLES ALONG THE EXCAVATION AT A SPACING OF 1 BOTTOM SAMPLE PER 900 SQUARE FEET OR 1 BOTTOM SAMPLE PER AREA. EXCAVATION SHALL PROCEED TO THE SECONDARY EXCAVATION AREAS ONLY AS NECESSARY BASED ON RESULTS OF CONFIRMATION SAMPLING AND AT THE DIRECTION OF THE COR.
2. DRAWING NOT TO SCALE. EXCAVATION AREAS SHOWN GENERALLY EXTEND BETWEEN HARD FEATURES AND/OR EASEMENT LIMITS TO BE MEASURED BY CONTRACTOR. EXCAVATION AREAS/VOLUMES IN MOST INSTANCES ARE BASED ON ACTUAL FIELD MEASUREMENTS SINCE BASE MAPPING IS APPROXIMATE.

ARCADIS BANGO MURPHY

REVISIONS:

No.	Date	Remarks

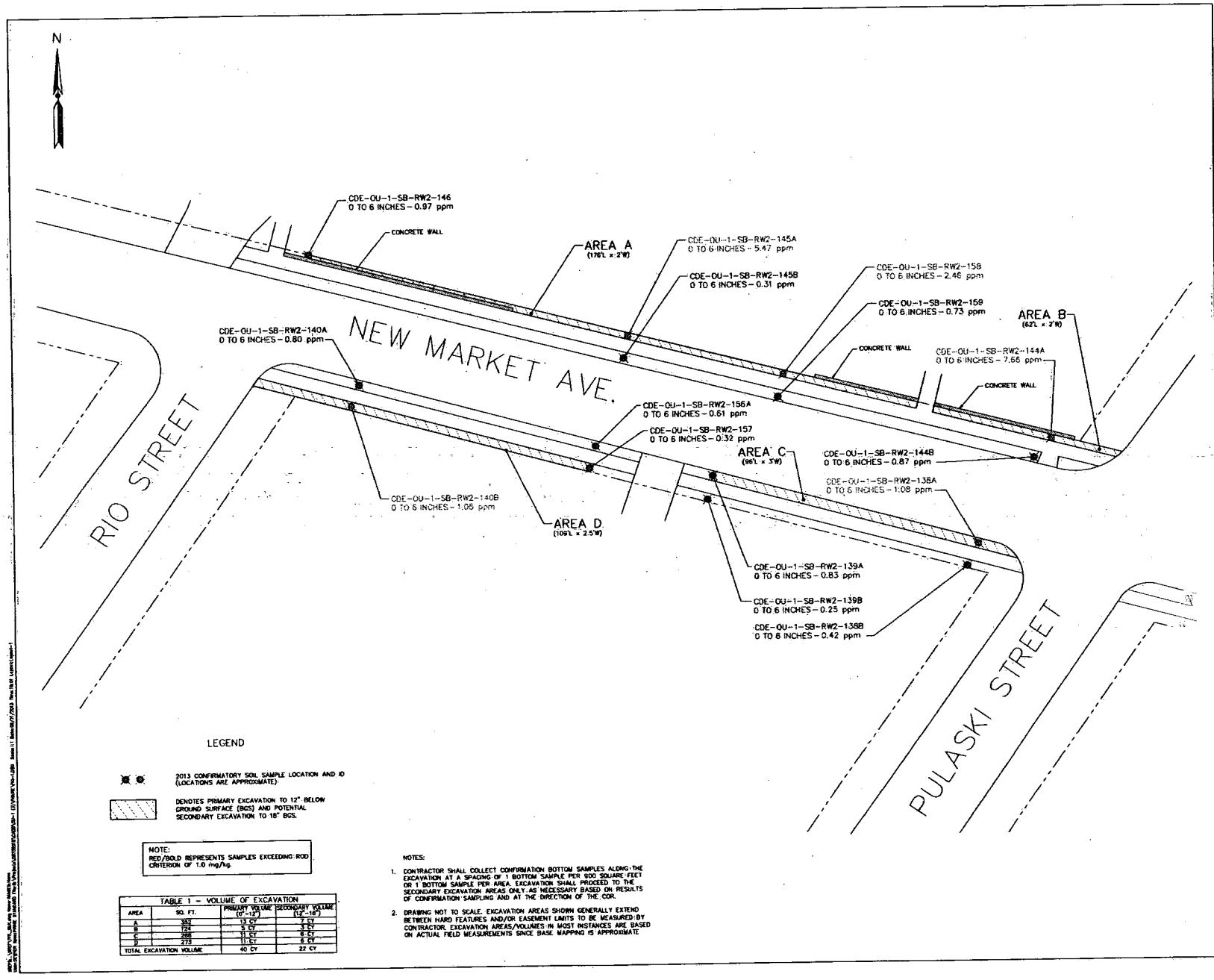
U.S. Army Corps of Engineers
KANSAS CITY DISTRICT

PROJECT NAME
OU-1 REMEDIAL DESIGN
CORNELL-DUBILIER ELECTRONICS SUPERFUND SITE
SOUTH PLAINFIELD, NEW JERSEY

SHEET TITLE
EXCAVATION PLAN
PITT TO PULASKI STREET

NOT TO SCALE

JOB NO:
CONTRACT NO:
SHEET NAME: FIGURE-3
DRAWN BY: C. DeWYER
DESIGNED BY: A. MASON
CHECKED BY: B. GIRARD
FILE NAME: 04-06739G004
DATE: AUGUST 2013



LEGEND

2013 CONFIRMATORY SOIL SAMPLE LOCATION AND ID (LOCATIONS ARE APPROXIMATE)

DENOTES PRIMARY EXCAVATION TO 12" BELOW GROUND SURFACE (BGS) AND POTENTIAL SECONDARY EXCAVATION TO 18" BGS.

NOTE:
RED/BOLD REPRESENTS SAMPLES EXCEEDING ROD CRITERION OF 1.0 mg/kg.

TABLE 1 - VOLUME OF EXCAVATION

AREA	SQ. FT.	PRIMARY VOLUME (0"-12")	SECONDARY VOLUME (12"-18")
A	352	13 CY	7 CY
B	124	5 CY	3 CY
C	288	11 CY	6 CY
D	273	11 CY	6 CY
TOTAL EXCAVATION VOLUME		40 CY	22 CY

NOTES:

1. CONTRACTOR SHALL COLLECT CONFIRMATION BOTTOM SAMPLES ALONG THE EXCAVATION AT A SPACING OF 1 BOTTOM SAMPLE PER 900 SQUARE FEET OR 1 BOTTOM SAMPLE PER AREA. EXCAVATION SHALL PROCEED TO THE SECONDARY EXCAVATION AREAS ONLY AS NECESSARY BASED ON RESULTS OF CONFIRMATION SAMPLING AND AT THE DIRECTION OF THE COR.
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ARCADIS BARCO/LEPRINE

REVISIONS:

No.	Date	Remarks

U.S. Army Corps of Engineers
KANSAS CITY DISTRICT

PROJECT NAME
OU-1 REMEDIAL DESIGN
CORNELL-DUBILIER ELECTRONICS SUPERFUND SITE
SOUTH PLAINFIELD, NEW JERSEY

SHEET TITLE
EXCAVATION PLAN
PULASKI TO RIO STREET

NOT TO SCALE

JOB NO:
CONTRACT NO:
SHEET NAME: FIGURE-4
DRAWN BY: C. DWYER
DESIGNED BY: A. MASON
CHECKED BY: B. GIRARD
FILE NAME: 07-067390007
DATE: AUGUST 2013