

October 23, 2012

Project 111.06134.024

Mr. Thomas Kittredge
Economic Development Director
City of Belfast
131 Church Street
Belfast, Maine 04915

RE: Addendum No. 1 to Phase II Environmental Site Assessment
Belfast Boatyard
39 and 41 Front Street
Belfast, Maine

Dear Mr. Kittredge:

This letter is being submitted as an addendum to the Phase II Environmental Site Assessment (ESA) report that was prepared for the Belfast Boatyard property located at 39 and 41 Front Street (Tax Map 11, Lot 137) in the City of Belfast, Maine (the "Site"). The Phase II ESA report, dated August 24, 2012 was prepared by Ransom Consulting, Inc. (Ransom). The Phase II ESA was performed in conjunction with the United States Environmental Protection Agency (US EPA) and the Maine Department of Environmental Protection (MEDEP) and was conducted using US EPA Brownfield funding under the City of Belfast's municipal Brownfields Site Assessment Program (Grant No. BF96151001-0). The Site location is shown on the attached Figure 1.

Since the publication of the Phase II ESA report, additional information has been provided by interested parties, which has required us to revise and/or modify our findings, conclusions, and recommendations, as originally presented in the Phase II ESA report, and as further described below.

BACKGROUND

The purpose of the Phase II ESA was to evaluate specific Areas of Concern (AOCs) associated with Recognized Environmental Conditions (RECs) identified in the Phase I ESA report, prepared by Ransom, dated July 6, 2012. The Phase II ESA was designed to collect sufficient data to assess the potential risk of exposure by site workers, site visitors, and future site occupants to contaminants of concern associated with the Site. The scope of work for the Phase II ESA was outlined in the Site Specific Quality Assurance Action Plan (SSQAPP), prepared by Ransom, dated July 30, 2012, and included the collection and analysis of soil, groundwater and soil vapor samples from the identified AOCs. Sample locations were chosen based on the Site layout observed during previous site reconnaissance visits and property boundaries, as shown on the City of Belfast Assessor's Tax Map (Map 11, Lot 137).

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12 Kent Way, Suite 100, Byfield, Massachusetts 01922, Tel (978) 465-1822

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60 Valley Street, Building F, Suite 106, Providence, Rhode Island 02909, Tel (401) 433-2160

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City of Belfast

Three AOCs were identified and investigated during the Phase II ESA, and are described as follows:

- AOC 1—Shop Office Building and Parking Lot
- AOC 2—Spar Shed
- AOC 3— Southern Property Boundary and Off-Site Sources

Findings from the Phase II investigation indicated that surficial and subsurface soils throughout the Site contain apparent urban fill materials. Several of the soil samples collected during the Phase II ESA contained Polycyclic Aromatic Hydrocarbons (PAHs) and arsenic at concentrations that exceeded the MEDEP Remedial Action Guidelines (RAGs) for “Outdoor Commercial Worker” and “Excavation/Construction Worker” exposure scenarios. The presence of these contaminants was attributed to historic Site uses (e.g., coal storage/distribution, etc.), as well as potential off-site sources (e.g., historic rail road operations, catastrophic fires, etc.) and potentially minor releases of oil and/or hazardous materials (OHM) during the Site’s use as a boatyard and marina.

Groundwater sample analytical results obtained during the Phase II ESA did not indicate significant impacts to groundwater from Site activities or off-site sources. Soil vapor results indicated low concentrations of volatile organic compounds (VOCs) and volatile petroleum compounds. The detected concentrations of vapor-phase contaminants did not exceed their applicable MEDEP Soil Gas Target guidelines for commercial use; however, certain VOCs exceed the applicable MEDEP Soil Gas Target guidelines for residential use.

Based on the findings of the Phase II ESA, Ransom recommended that the Site be submitted to the MEDEP Voluntary Response Action Program (VRAP), the risk of exposure to contaminated soils be mitigated through construction of a cover system, and certain engineering/institutional controls be implemented to prevent potential future releases of hazardous materials to the environment.

SUPPLEMENTAL INFORMATION

Following the submittal of the Phase II ESA report, Ransom was provided with a copy of a formal boundary survey, identified as “Standard Boundary Survey of the John W. Holmes Property”, which was performed by Good Deeds, Inc. of Belfast, Maine on January 30, 1995, and was most recently updated on January 23, 1997. A copy of the boundary survey plan is included as Attachment A.

The boundary survey appears to show the Site as encompassing a slightly smaller area than the property boundaries shown on the City’s Assessor’s Tax Map. Upon receipt of this information, Ransom revised the Site Plan for the Phase II ESA by aligning known features on the boundary survey (the Shop Office building) with these same features visible in the aerial image used to create the Phase II ESA Site Plan. A copy of the revised Site Plan is included as Figure 2 (attached).

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City of Belfast

Based on the revised Site Plan, it appears that the southern border of the Site is essentially in line with the southern side of the currently existing Spar Shed building. Assuming this is the case, several of the Phase II ESA sample locations (B103/MW103, B104/MW104, SS104, and SS105), previously noted as being on-site, now fall outside the Site boundaries of the Belfast Boatyard parcel (Map 11, Lot 137), and therefore, are not representative of actual Site conditions on the Belfast Boatyard parcel.

SUPPLEMENTAL INFORMATION REVIEW AND REVISED FINDINGS

Considering the recently provided information, Ransom, in conjunction with the MEDEP, reviewed the available revised data set with respect to the conclusions and recommendations of the Phase II ESA. With regard to data quantity, Ransom and the MEDEP have determined that sufficient data was collected during the Phase II ESA in order to evaluate and provide an opinion on the potential impacts from the Shop Office building and parking lot (AOC 1), the Spar Shed (AOC 2), and potential contaminant migration from off-site sources (AOC 3). As such, the recently provided information and revised data set for the Site does not present data gaps for the Phase II ESA, and further assessment or investigation is not warranted at this time.

Based on the reconfiguration of specific sample locations remaining on the Belfast Boatyard parcel, tabulated analytical results have been revised to show the current understanding of on-site and site-specific background analytical data, and are included as Tables 1 through 3, attached. Please refer to Ransom's August 24, 2012 Phase II ESA report for copies of the certified laboratory analytical reports.

The revised data set for the on-site soil sample analytical results and site-specific background concentrations are summarized in Table 1. A review of the revised on-site soil data (Table 1) indicates that the PAH compound benzo(a)pyrene was detected at a concentration exceeding the site-specific background concentration in the soil sample collected from soil boring B102. However, this sample was collected at a depth of 8 to 10 feet below grade, and therefore, does not represent a direct exposure risk to Site employees or visitors. Arsenic concentrations in the on-site soil samples ranged from 13 parts per million (ppm) to 18 ppm, which slightly exceeds the site-specific background concentration of 12 ppm. However, considering the Site's proposed use as a boatyard for the foreseeable future, the concentrations of arsenic observed in the on-site surficial soils are not anticipated to represent an exposure risk to Site employees or visitors.

As discussed in the Phase II ESA, the on-site groundwater sample analytical results do not suggest that groundwater has been significantly impacted by Site activities or contaminant migration from off-site sources. The soil vapor sample collected from within the Site boundaries indicated low concentrations of VOCs and certain petroleum compounds; however, the detected concentrations are not expected to represent an exposure risk considering the current and proposed future use of the Site. On-site groundwater and soil vapor data are summarized in Tables 2 and 3, respectively.

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CONCLUSIONS

Based on the information recently received regarding the apparent property boundaries, the Site Plan and data set associated with the Phase II ESA at the Site have been revised. The revised data set continues to show minor impacts to the environmental condition of the Site, which may be attributable to Site-related activities and/or off-site sources, such as the former rail road track operations. However, considering the proposed future use of the Site as a boatyard, the minor contaminant concentrations detected at the Site do not appear to represent a significant exposure risk to current or future Site employees or Site visitors. Therefore, no mitigation or remediation measures appear to be necessary at this time. However, as part of the MEDEP VRAP process for the Site, a Declaration of Environmental Covenant (DEC) in the form of a deed restriction is recommended for the Site. The conditions of the DEC should include the following:

1. Property use remains commercial in nature; change in use requires prior written approval by MEDEP;
2. Any building constructed on the property designed for human occupancy will be constructed with a vapor barrier and/or vapor extraction system to prevent the possible migration of petroleum vapors into the building;
3. The installation of a drinking water well, or the extraction of groundwater is prohibited; and
4. Any future earth work on the property will be in compliance with a MEDEP-approved Soil Management Plan (SMP) for the site. The SMP will describe procedures for all on-site excavations, segregation, soil testing, and/or disposal determinations.

We trust this provides the information you require at this time. If you have any questions regarding the information in this report please do not hesitate to contact us.

Sincerely,

RANSOM CONSULTING, INC.

Erik P. Phenix, P.G.
Environmental Scientist



Peter J. Sherr, P.E.
Senior Project Manager

EPP/PJS:jsh
Attachments

**Table 1: Revised Soil Sample Analytical Results
Belfast Boatyard
41 Front Street, Belfast, Maine**

| Sample Location | B101 | B102 | SS101 | SS102 | SS103 | BK-1 | BK-2 | BK-3 | MEDEP Remedial Action Guidelines (RAGs) for Soil Contaminated with Hazardous Substances (Jan. 6, 2010) | | | | Draft MEDEP Remedial Action Guidelines for Sites Contaminated with Hazardous Substances (Jan 11, 2012) | | | | | | MEDEP Remediation Guidelines for Petroleum Contaminated Sites in Maine (Dec. 1, 2009) | | | |
|--|-----------|-------------|-----------|--------------|--------------|--------------------------|------------|-----------|--|---------------------|---------------------------|--------------------------------|--|--------------------|---------------------------|--------------------------------|------------------|------------------|---|------------------|----------------------------------|---------------------------------------|
| | AO C 1 | AO C 2 | AO C 1 | AO C 1 | AO C 2 | Site-Specific Background | | | Residential | Park User | Outdoor Commercial Worker | Excavation/Construction Worker | Residential | Park User | Outdoor Commercial Worker | Excavation/Construction Worker | Background Rural | Background Urban | Tier 2 Residential | Tier 2 Park User | Tier 2 Outdoor Commercial Worker | Tier 2 Excavation/Construction Worker |
| Sample Identification | B101-S1 | B102-S5 | SS101 | SS102 | SS103 | BK-1 | BK-2 | BK-3 | | | | | | | | | | | | | | |
| Sample Depth (ft bgs) | 0-2 | 8-10 | 0-2 | 0-2 | 0-2 | 0-2 | 0-2 | 0-2 | | | | | | | | | | | | | | |
| Date Collected | 8/3/2012 | 8/3/2012 | 8/3/2012 | 8/3/2012 | 8/3/2012 | 8/3/2012 | 8/3/2012 | 8/3/2012 | | | | | | | | | | | | | | |
| milligrams per kilogram (mg/kg) | | | | | | | | | | | | | | | | | | | | | | |
| Volatile Organic Compounds | | | | | | | | | | | | | | | | | | | | | | |
| Naphthalene | ND | ND | ND | ND | ND | NA | NA | NA | 200 | 330 | 200 | 32 | 2500 | 4200 | 10,000 | 10,000 | NE | NE | 200 | 330 | 200 | 32 |
| Styrene | ND | ND | ND | ND | 0.071 J | NA | NA | NA | 6,700 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | NE | NE | NE | NE | NE | NE |
| Tetrachloroethene | ND | 0.283 | ND | ND | ND | NA | NA | NA | 2.6 | 4.4 | 8.8 | 79 | 26 | 44 | 88 | 800 | NE | NE | NE | NE | NE | NE |
| Trichloroethene | ND | 0.165 | ND | ND | ND | NA | NA | NA | 110 | 180 | 360 | 2,900 | 85 | 140 | 850 | 140 | NE | NE | NE | NE | NE | NE |
| All Other VOCs | ND | ND | ND | ND | ND | NA | NA | NA | Various | Various | Various | Various | Various | Various | Various | Various | NE | NE | Various | Various | Various | Various |
| Target Polycyclic Aromatic Hydrocarbons (PAHs) | | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | ND | 0.99 | ND | ND | ND | ND | NA | NA | 970 | 1,600 | 2,000 | 110 | 7500 | 10,000 | 10000 | 9800 | 0.479 | 0.6072 | 970 | 1,600 | 2,000 | 110 |
| Acenaphthylene | ND | 0.707 | ND | ND | ND | ND | NA | NA | 1,000 | 1,700 | 2,200 | 130 | 7500 | 10,000 | 10000 | 10000 | 0.4937 | 0.6606 | 1,000 | 1,700 | 2,200 | 130 |
| Anthracene | ND | 1.99 | ND | 0.179 J | ND | 0.414 | NA | NA | 4,300 | 7,200 | 7,800 | 430 | 10000 | 10,000 | 10000 | 3800 | 0 | 1.63 | 4,300 | 7,200 | 7,800 | 430 |
| Benzo(g,h,i) perylene | ND | 4.35 | ND | 0.704 | 0.282 | 1.01 | NA | NA | 750 | 1,200 | 5,500 | 10,000 | 3,700 | 6,200 | 10,000 | 10,000 | 1 | 2.035 | 750 | 1,200 | 5,500 | 10,000 |
| Benzo[a]pyrene | ND | 5.91 | 0.181 J | 0.912 | 0.419 | 1.41 | NA | NA | 0.026 | 0.044 | 0.35 | 4.3 | 0.26 | 0.44 | 3.5 | 43 | 2 | 4.57 | 0.026 | 0.044 | 0.35 | 4.3 |
| Benzo[a]anthracene | ND | 5.35 | 0.181 J | 0.788 | 0.42 | 1.43 | NA | NA | 0.26 | 0.44 | 3.5 | 43 | 2.6 | 4.4 | 35 | 430 | 2 | 4.15 | 0.26 | 0.44 | 3.5 | 43 |
| Benzo[b]fluoranthene | ND | 8.04 | 0.230 J | 1.26 | 0.618 | 2.48 | NA | NA | 0.26 | 0.44 | 3.5 | 43 | 2.6 | 4.4 | 35 | 430 | 3 | 5.335 | 0.26 | 0.44 | 3.5 | 43 |
| Benzo[k]fluoranthene | ND | 2.34 | ND | 0.385 | 0.168 J | 0.803 | NA | NA | 2.6 | 4.4 | 35 | 430 | 26 | 44 | 350 | 4300 | 2 | 3.225 | 2.6 | 4.4 | 35 | 430 |
| Chrysene | ND | 6.07 | 0.177 J | 0.869 | 0.44 | 1.91 | NA | NA | 26 | 44 | 350 | 4,300 | 260 | 440 | 3,500 | 10,000 | 4 | 4.1 | 26 | 44 | 350 | 4,300 |
| Dibenz[a,h]anthracene | ND | 0.93 | ND | ND | ND | 0.314 | NA | NA | 0.026 | 0.044 | 0.35 | 4.3 | 0.26 | 0.44 | 3.5 | 43 | NE | NE | 0.026 | 0.044 | 0.35 | 4.3 |
| Fluoranthene | ND | 14.2 | 0.356 | 1.28 | 0.777 | 1.82 | NA | NA | 1,000 | 1,700 | 7,300 | 10,000 | 5,000 | 8,300 | 10,000 | 10,000 | 4 | 7.635 | 1,000 | 1,700 | 7,300 | 10,000 |
| Fluorene | ND | 1.61 | ND | ND | ND | ND | NA | NA | 830 | 1,400 | 2,700 | 200 | 5000 | 8,300 | 10000 | 10000 | 0 | 0.708 | 830 | 1,400 | 2,700 | 200 |
| Indeno[1,2,3-cd]pyrene | ND | 5.06 | 0.139 J | 0.76 | 0.386 | 1.21 | NA | NA | 0.26 | 0.44 | 3.5 | 43 | 2.6 | 4.4 | 35 | 430 | 2 | 2.6 | 0.26 | 0.44 | 3.5 | 43 |
| 2-Methylnaphthalene | ND | 0.484 | ND | ND | ND | ND | NA | NA | 94 | 160 | 480 | 35 | 500 | 830 | 3600 | 600 | 0.414 | 0.804 | 94 | 160 | 480 | 35 |
| Naphthalene | ND | 0.891 | ND | ND | ND | ND | NA | NA | 200 | 330 | 200 | 32 | 2500 | 4,200 | 10000 | 10000 | 0.041 | 0.8368 | 200 | 330 | 200 | 32 |
| Phenanthrene | ND | 14.6 | 0.302 | 0.831 | 0.516 | 0.434 | NA | NA | 700 | 1,200 | 3,600 | 470 | 3700 | 6,200 | 10000 | 10000 | 1.608 | 4.064 | 700 | 1,200 | 3,600 | 470 |
| Pyrene | ND | 11.9 | 0.31 | 1.15 | 0.649 | 1.82 | NA | NA | 750 | 1,200 | 5,500 | 10,000 | 3,700 | 6,200 | 10,000 | 10,000 | 4.016 | 6.71 | 750 | 1,200 | 5,500 | 10,000 |
| Extractable Petroleum Hydrocarbon (EPH) Fractions | | | | | | | | | | | | | | | | | | | | | | |
| C9-C18 Aliphatics | ND | ND | ND | ND | ND | ND | NA | NA | NE | NE | NE | NE | 2600 | 4400 | 10000 | 7300 | NE | NE | 2600 | 4400 | 10000 | 7300 |
| C19-C36 Aliphatics | 14.3 | 40.6 | 49.4 | 194 | 90.6 | 39.8 | NA | NA | NE | NE | NE | NE | 10000 | 10000 | 10000 | 10000 | NE | NE | 10000 | 10000 | 10000 | 10000 |
| C11-C22 Aromatics | 8.260 J | 109 | 13.4 | 83 | 23 | 43.4 | NA | NA | NE | NE | NE | NE | 730 | 1,200 | 4,500 | 4,700 | NE | NE | 730 | 1,200 | 4,500 | 4,700 |
| Volatile Petroleum Hydrocarbon (VPH) Fractions | | | | | | | | | | | | | | | | | | | | | | |
| C5-C8 Aliphatics | ND | ND | ND | ND | ND | NA | NA | NA | NE | NE | NE | NE | 1400 | 2300 | 10000 | 10000 | NE | NE | 1400 | 2300 | 10000 | 10000 |
| C9-C12 Aliphatics | ND | ND | ND | ND | ND | NA | NA | NA | NE | NE | NE | NE | 2600 | 4400 | 10000 | 9800 | NE | NE | 2600 | 4400 | 10000 | 9800 |
| C9-C10 Aromatics | ND | 1.28 | ND | 0.774 | 0.575 | NA | NA | NA | NE | NE | NE | NE | 740 | 1200 | 5100 | 5500 | NE | NE | 740 | 1200 | 5100 | 5500 |
| Metals | | | | | | | | | | | | | | | | | | | | | | |
| Arsenic | 16 | 13 | 13 | 13 | 18 | 6.2 | 9.6 | 12 | 0.14 | 0.23 | 0.42 | 4.2 | 1.4 | 2.3 | 4.2 | 42 | 15 | NE | NE | NE | NE | NE |
| Cadmium | ND | ND | ND | 0.55 J | ND | ND | 0.26 J | ND | 2.1 | 3.6 | 19 | 3.9 | 11 | 18 | 94 | 19 | NE | NE | NE | NE | NE | NE |
| Copper | 221 | 70 | 296 | 3780 | 3100 | 35 | 25 | 25 | 480 | 790 | 4,800 | 870 | 2400 | 4000 | 10000 | 4300 | 28 | NE | NE | NE | NE | NE |
| Lead | 12 | 421 | 16 | 45 | 29 | 13 | 142 | 49 | 170 | 280 | 560 | 950 | 340 | 530 | 1100 | 950 | NE | NE | 170 | 280 | 560 | 950 |
| Polychlorinated Biphenyls (PCBs) | | | | | | | | | | | | | | | | | | | | | | |
| Arochlor 1016 | ND | ND | ND | ND | ND | NA | NA | NA | 0.49 ⁽⁵⁾ | 0.82 ⁽⁵⁾ | 1.2 ⁽⁵⁾ | 1.3 ⁽⁵⁾ | 2.4 ⁽⁵⁾ | 4.1 ⁽⁵⁾ | 12 ⁽⁵⁾ | 6.1 ⁽⁵⁾ | NE | NE | NE | NE | NE | NE |
| Arochlor 1254 | ND | ND | ND | ND | ND | NA | NA | NA | 0.49 ⁽⁵⁾ | 0.82 ⁽⁵⁾ | 1.2 ⁽⁵⁾ | 1.3 ⁽⁵⁾ | 2.4 ⁽⁵⁾ | 4.1 ⁽⁵⁾ | 12 ⁽⁵⁾ | 6.1 ⁽⁵⁾ | NE | NE | NE | NE | NE | NE |

Notes:
MEDEP = Maine Department of Environmental Protection
mg/kg = milligrams per kilogram
NE indicates that a standard or guideline is "not established" for the referenced parameter.
ND = Not Detected above the laboratory detection limit
⁽⁵⁾ Standard is for total of all isomers (i.e., total PCBs, not individual Arochlors).
Values in **bold** text exceed applicable MEDEP RAGs
J= estimated concentration

Table 2: Groundwater Sample Analytical Results
 Belfast Boatyard
 41 Front Street, Belfast, Maine

| Sample I.D. | MW101 | MW102 | MCDC Maximum Exposure Guidelines (MEGs) | USEPA Maximum Contaminant Level (MCLs) |
|--|----------|----------|---|--|
| Date Collected | 8/3/2012 | 8/3/2012 | Groundwater (ug/L) | |
| Volatile Organic Compounds | | | | |
| All VOCs | ND | ND | Various | Various |
| Target Polycyclic Aromatic Hydrocarbons (PAHs) | | | | |
| All Target PAHs | ND | ND | 400 | NE |
| Extractable Petroleum Hydrocarbon (EPH) Fractions | | | | |
| C9-C18 Aliphatics | ND | ND | 700 | NE |
| C19-C36 Aliphatics | ND | ND | 10,000 | NE |
| C11-C22 Aromatics | ND | ND | 200 | NE |
| Volatile Petroleum Hydrocarbon (VPH) Fractions | | | | |
| C5-C8 Aliphatics | ND | ND | 300 | NE |
| C9-C12 Aliphatics | ND | ND | 700 | NE |
| C9-C10 Aromatics | ND | 11 | 200 | NE |
| Metals | | | | |
| Arsenic | ND | ND | 10 | 10 |
| Cadmium | ND | ND | 1 | 5 |
| Copper | ND | ND | 500 | 1,300 |
| Lead | ND | ND | 10 | 15 |

Notes:

USEPA = United States Environmental Protection Agency

MECDC = Maine Center for Disease Control and Prevention

ug/L = micrograms per liter

NE indicates that a standard or guideline is "not established" for the referenced parameter.

ND = Not Detected above the laboratory detection limit

⁽⁴⁾ National Secondary Drinking Water Regulations (secondary standards)

**Table 3: Soil Vapor Analytical Results
Belfast Boatyard
41 Front Street, Belfast, ME**

| Sample I.D. | SV-101 | Draft MEDEP Remedial Action Guidelines for Sites Contaminated with Hazardous Substances (Jan 11, 2012) ⁽¹⁾ | | MEDEP Vapor Intrusion Evaluation Guidance (Jan 14, 2010) ⁽²⁾ | |
|---|--------------------|---|-----------------------------|---|-----------------------------|
| | | Soil Gas Targets Residential | Soil Gas Targets Commercial | Soil Gas Targets Residential | Soil Gas Targets Commercial |
| Volatile Organic Compounds | Air (ug/m3) | | | | |
| Benzene | 6.64 | 31 | 160 | 15.5 | 80.0 |
| Bromodichloromethane | 2.06 | NE | NE | NE | NE |
| 1,3-Butadiene | 14 | 8.1 | 41 | 4.05 | 20.5 |
| Chloroethane | 0.723 | NE | NE | NE | NE |
| Chloroform | 20.1 | 11 | 53 | 5.5 | 26.5 |
| Dibromochloromethane | 36.3 | NE | NE | NE | NE |
| Ethylbenzene | 1.24 | 97 | 490 | 48.5 | 245 |
| Methyl-tert-butyl ether (MTBE) | 2.34 | 940 | 4,700 | 470 | 2,350 |
| Tetrachloroethene | 27.0 | 41 | 210 | 20.5 | 105 |
| Toluene | 5.58 | 52,000 | 220,000 | 50,000 | 220,000 |
| Trichlorofluoromethane | 3.78 | NE | NE | NE | NE |
| o-Xylene | 1.38 | 1,000 | 4,400 | 1,050 | 4,400 |
| m,p-Xylene | 2.58 | 1,000 | 4,400 | 1,050 | 4,400 |
| All other VOCs | ND | Various | Various | Various | Various |
| Air-Phase Petroleum Hydrocarbons | | | | | |
| C5-C8 Aliphatics | 610 | 6300 | 26000 | 6,500 | 26,500 |
| C9-C12 Aliphatics | 150 | 2100 | 8800 | 2,100 | 9,000 |
| C9-C10 Aromatics | ND | 520 | 2200 | 500 | 2,200 |

Notes:

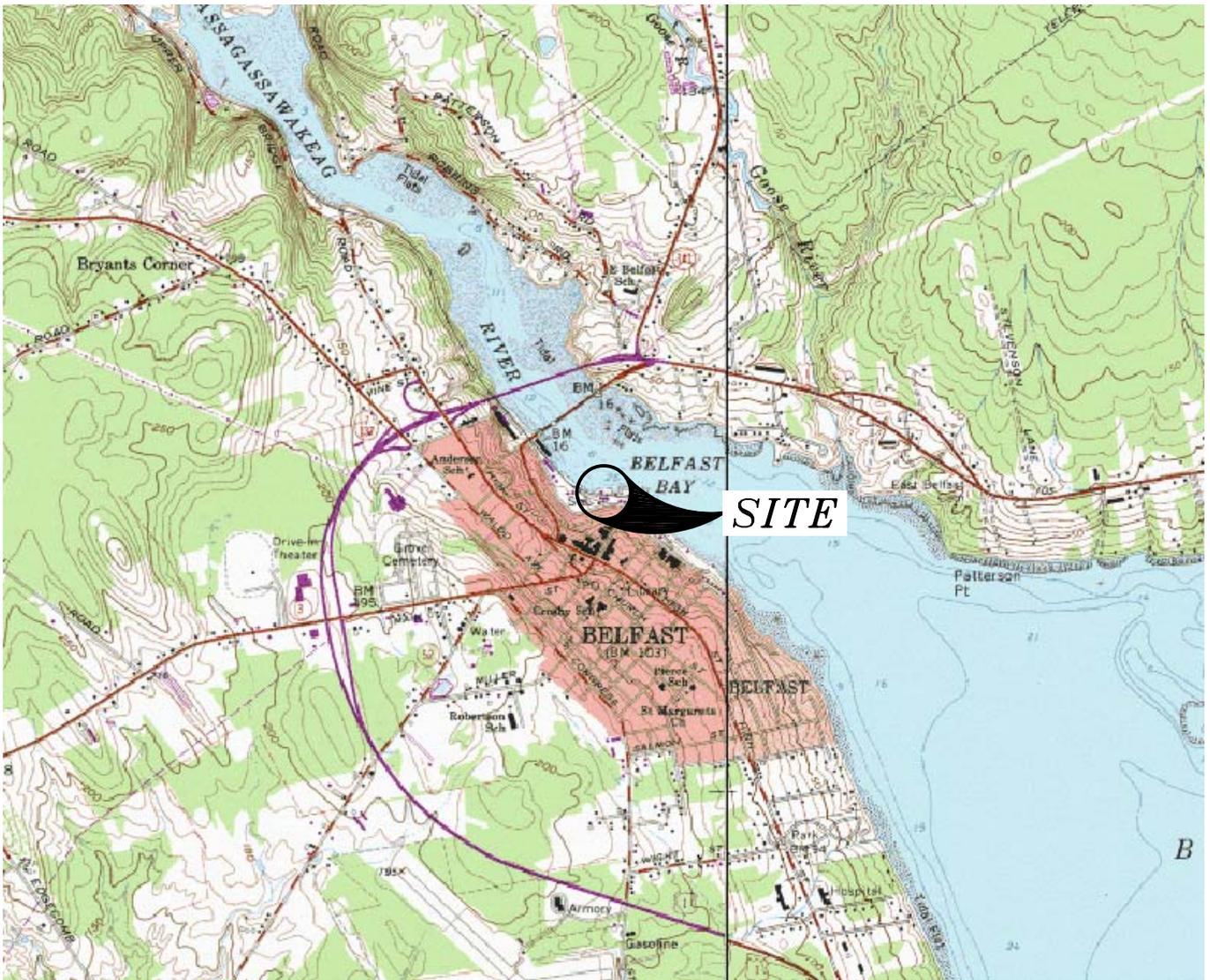
MEDEP = Maine Department of Environmental Protection

NE indicates that a standard or guideline is "not established" for the referenced parameter.

ND = Not Detected above the laboratory detection limit

⁽¹⁾ Soil Gas Targets = 10 times the Indoor Air Target, as discussed in the January 11, 2012 Draft MEDEP Remedial Action Guidelines

⁽²⁾ Soil Gas Targets = 50 times the Indoor Air Target for Chronic Commercial scenario for multi-contaminant sites, as discussed in the MEDEP Vapor Intrusion Evaluation Guidelines (Jan. 14, 2010).

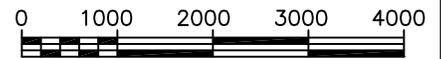
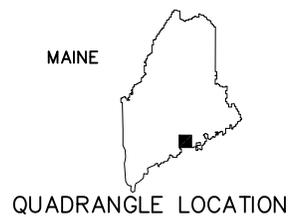


TAKEN FROM U.S.G.S. 7.5x15 MINUTE SERIES TOPOGRAPHIC MAP OF BELFAST, MAINE—1960 (REVISED 1979).

CONTOUR INTERVAL IS 10 FEET

SITE COORDINATES: LATITUDE 44°25'44"
LONGITUDE 69°00'22"

UTM COORDINATES: 49:19:286mN
4:99:574mE



SCALE in FEET
1:24,000

RANSOM Consulting, Inc.

SITE LOCATION MAP

PREPARED FOR:
CITY OF BELFAST
131 CHURCH STREET
BELFAST, MAINE

SITE:
BELFAST BOATYARD
39 & 41 FRONT STREET
BELFAST, MAINE

DATE: OCTOBER 2012
PROJECT: 111.06134
FIGURE: 1

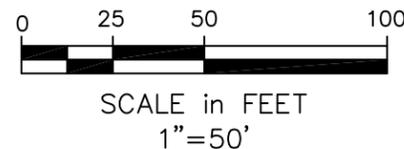


LEGEND:

- B101/MW101  SOIL BORING/MONITORING WELL
- SS111  SURFICIAL SOIL SAMPLE LOCATION
- SV101  SOIL VAPOR SAMPLE LOCATION
-  APPROXIMATE SITE BOUNDARY
(BOUNDARY TAKEN FROM "STANDARD BOUNDARY SURVEY OF THE JOHN W. HOLMES PROPERTY" PREPARED BY GOOD DEEDS, INC. OF BELFAST, ME ON JANUARY 30, 1995.)

NOTES:

1. SITE PLAN BASED ON OBSERVATIONS MADE BY RANSOM CONSULTING, INC. ON MAY 23, 2012. AERIAL IMAGE PROVIDED BY GOOGLE EARTH.
2. SOME FEATURES ARE APPROXIMATE IN LOCATION AND SCALE.
3. THIS PLAN HAS BEEN PREPARED FOR THE CITY OF BELFAST. ALL OTHER USES ARE NOT AUTHORIZED, UNLESS WRITTEN PERMISSION IS OBTAINED FROM RANSOM CONSULTING, INC.



RANSOM Consulting, Inc.

PREPARED FOR:
CITY OF BELFAST
131 CHURCH STREET
BELFAST, MAINE

SITE:
BELFAST BOATYARD
39 & 41 FRONT STREET
BELFAST, MAINE

REVISED SITE PLAN

DATE: OCTOBER 2012
PROJECT: 111.06134
FIGURE: 2

ATTACHMENT A

Standard Boundary Survey of the John W. Holmes Property

Addendum No. 1 to Phase II Environmental Site Assessment
Belfast Boatyard
39 and 41 Front Street
Belfast, Maine

CERTIFICATION:

THIS SURVEY CONFORMS TO STANDARDS OF PRACTICE ADOPTED BY THE BOARD OF LICENSURE FOR PROFESSIONAL LAND SURVEYORS, CATEGORY I, CONDITION II, WITH THE FOLLOWING EXCEPTIONS:

- a) SEE SURVEYORS REPORTS DATED JANUARY 30, 1995 AND AUGUST 27, 1996.
- b) A REVERSED LEGAL DESCRIPTION WAS NOT ISSUED AT THE DATE OF THIS PLAN.

PENOBSCOT BAY

PENOBSCOT BAY

MAGNETIC NORTH
JUNE 1994

HIGH WATER AS OBSERVED JANUARY 21, 1997 BETWEEN 9:30 AND 10:00 AM. THE TIME TABLE INDICATES AN ELEVATION OF 10.6 AT ROCKLAND HARBOR FOR THAT TIME.

NOTES:

- 1) ACREAGE WAS CALCULATED TO HIGH WATER MARK AS SHOWN. THE FOLLOWING NOTES REFER TO AN AGREEMENT RECORDED IN BOOK 1659, PG. 157, WHICH IS INCORPORATED HEREIN.
- 2) THE LITTORAL ESTATE IS THE SUBJECT OF AN AGREEMENT BETWEEN JOHN HOLMES, BELFAST BOATYARD INC., CITY OF BELFAST AND BELFAST & MOOSEHEAD LAKE RAILROAD (PARAGRAPH 3) AS FOLLOWS:
LINE A REPRESENTS THE WESTERLY LITTORAL LINE OF JOHN HOLMES PROPERTY.
LINE B REPRESENTS THE MIDLINE.
LINE C REPRESENTS THE CITY OF BELFAST EAST LITTORAL LINE.
- 3) THE RIGHT OF WAY ACROSS LAND OF THE CITY OF BELFAST AND THE BELFAST & MOOSEHEAD LAKE RAILROAD (LEASEE) IS AGREED UPON AS SET FORTH IN SAID AGREEMENT.
- 4) AREA A IS THE SUBJECT OF A BOUNDARY LINE AGREEMENT (PARAGRAPH 1) BETWEEN JOHN HOLMES, BELFAST BOATYARD, INC., CITY OF BELFAST AND BELFAST & MOOSEHEAD LAKE RAILROAD.

PLAN REFERENCES:

- (1) PLAN ENTITLED "CONSUMERS FUEL CO. PLAN OF CARTER MARSHALL WHARF" DATED APRIL 28, 1945 BY JAMES H. DUNCAN.
- (2) PLAN ENTITLED "CONSUMERS FUEL CO. PLAN OF LEWIS WHARF" DATED 6/15/56 BY JAMES H. DUNCAN.
- (3) PLAN ENTITLED "LEWIS WHARF - THE AMERICAN AGRICULTURAL CHEMICAL CO." DATED JULY 13, 1920.

LEGEND:

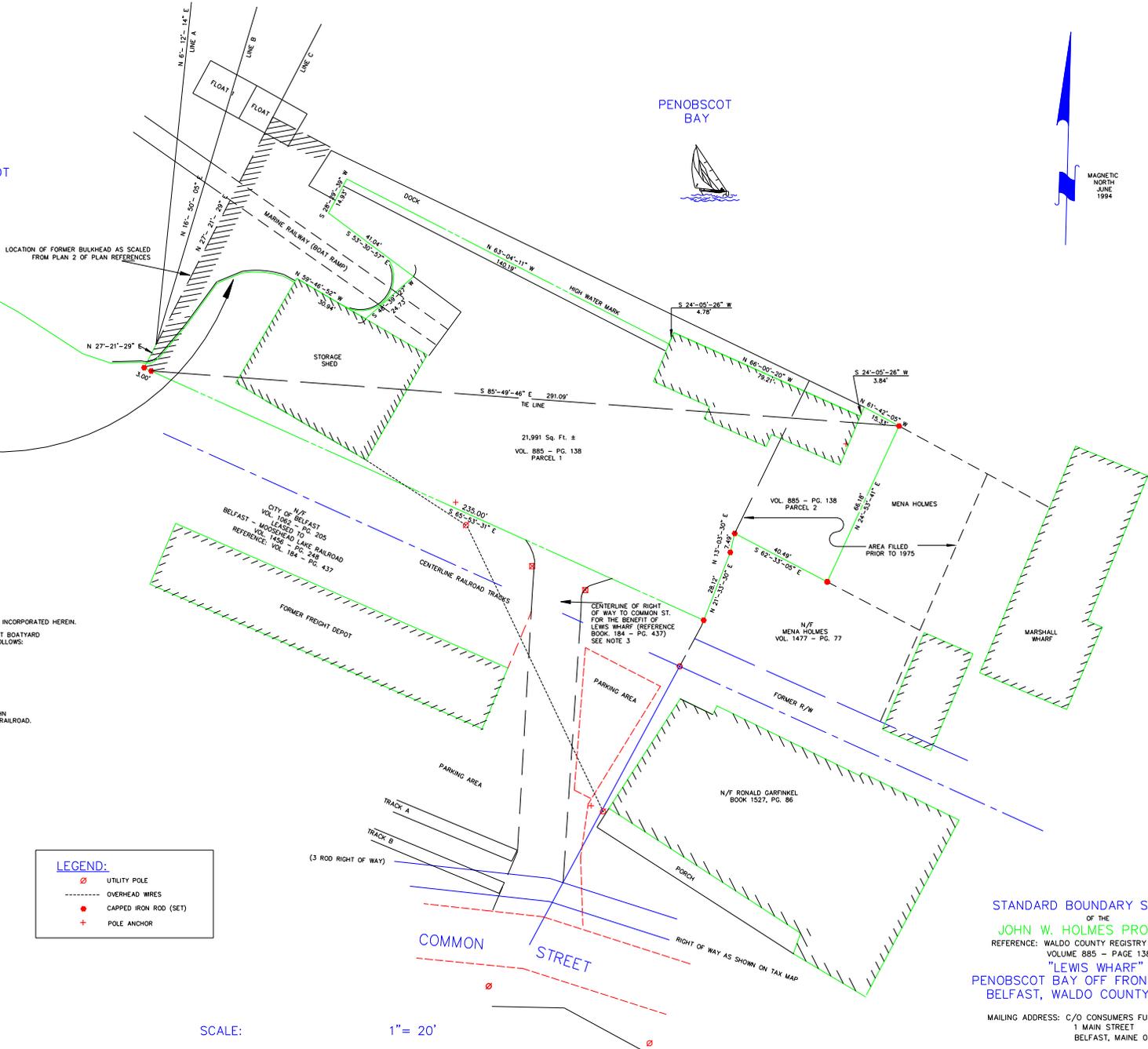
| | |
|--|-----------------------|
| | UTILITY POLE |
| | OVERHEAD WIRES |
| | CAPPED IRON ROD (SET) |
| | POLE ANCHOR |

GOOD DEEDS, INC.

7 MAIN STREET
P.O. BOX 587
BELFAST, MAINE 04915
JOB No. J9490
DATE: JAN. 30, 1995

REVISED: AUGUST 27, 1996, OCTOBER 7, 1996, OCTOBER 9, 1996, OCTOBER 10, 1996, JANUARY 23, 1997

SCALE: 1" = 20'



STANDARD BOUNDARY SURVEY
OF THE
JOHN W. HOLMES PROPERTY
REFERENCE: WALDO COUNTY REGISTRY OF DEEDS
VOLUME 885 - PAGE 138
"LEWIS WHARF"
PENOBSCOT BAY OFF FRONT STREET
BELFAST, WALDO COUNTY, MAINE

MAILING ADDRESS: C/O CONSUMERS FUEL COMPANY
1 MAIN STREET
BELFAST, MAINE 04915