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FINAL SITE MANAGEMENT PLAN FISCAL YEAR 2017 NS NEWPORT RI
09/30/2016
RESOLUTION CONSULTANTS

SITE MANAGEMENT PLAN
FISCAL YEAR 2017
NAVAL STATION NEWPORT
Newport, Rhode Island

FINAL
Version: 1

Prepared for:



Department of the Navy
Naval Facilities Engineering Command, Mid-Atlantic
9742 Maryland Ave.
Norfolk, VA 23511-3095

Comprehensive Long-Term Environmental Action Navy
Contract No. N62470-11-D-8013

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Contract Task Order WE18

Prepared by:



Resolution Consultants
A Joint Venture of AECOM & EnSafe
1500 Wells Fargo Building
440 Monticello Avenue
Norfolk, VA 23510

September 30, 2016

Table of Contents

LIST OF ACRONYMS AND ABBREVIATIONS	iv
1.0 INTRODUCTION.....	1
1.1 Facility Location and Mission.....	1
1.2 Regulatory History and Overview of Environmental Investigations.....	2
1.3 CERCLA Process	3
2.0 SITE DESCRIPTIONS	6
2.1 Site 1 – McAllister Point Landfill (OU 1 and OU 4)	6
2.2 Site 4 – Coddington Cove Rubble Fill Area (CCRF)	9
2.3 Site 7 – Tank Farm 1 (OU 13).....	11
2.4 Site 8 – Naval Undersea Systems Center (NUSC) Disposal Area (OU 7).....	13
2.5 Site 9 – Old Fire Fighting Training Area (OFFTA) (OU 3).....	16
2.6 Site 10 – Tank Farm 2 (OU 14)	21
2.7 Site 11 – Tank Farm 3 (OU 15)	23
2.8 Site 12 – Tank Farm 4 (OU 11)	26
2.9 Site 13 – Tank Farm 5 (OU 2).....	29
2.10 Site 17 – Gould Island.....	34
2.11 Site 19 – Derecktor Shipyard – On-shore (OU 12).....	38
2.12 Site 19 – Derecktor Shipyard – Off-shore (OU 5)	41
2.13 Site 22 – Carr Point Storage Area (OU 10)	45
2.14 Site 23 – Coddington Point Buried Debris Areas.....	47
2.15 MRP Site 1 – Carr Point Shooting Range (OU 9)	49
3.0 REFERENCES	53

Tables

Table 1-1	Inventory of Operable Units and Historic Sites	3
Table 1-2	Chronology of Major Base-Wide Events	5
Table 2-1	Chronology of Documents McAllister Point Landfill	7
Table 2-2	Chronology of Documents CCRF.....	10
Table 2-3	Chronology of Documents Tank Farm 1	12
Table 2-4	Chronology of Documents NUSC Disposal Area.....	15
Table 2-5	Chronology of Documents OFFTA.....	20
Table 2-6	Chronology of Documents Tank Farm 2	23
Table 2-7	Chronology of Documents Tank Farm 3	25
Table 2-8	Chronology of Documents Tank Farm 4	28
Table 2-9	Chronology of Documents Tank Farm 5	33
Table 2-10	Chronology of Documents Building 32, Gould Island	36
Table 2-11	Chronology of Documents Derecktor Shipyard On-Shore (OU12)	40
Table 2-12	Chronology of Documents Derecktor Shipyard Off-Shore (OU5)	44
Table 2-13	Chronology of Documents Carr Point Storage Area	46
Table 2-14	Chronology of Documents Coddington Point Buried Debris Areas	48
Table 2-15	Chronology of Documents Carr Point Shooting Range	51

Appendices

Appendix A Major Phases of the CERCLA Process

Appendix B Site Schedules

Appendix C Figures

Figure 1 Site Map, Sites and Study Areas

Figure 2 Site Management Plan, Site 1 – McAllister Point Landfill

Figure 3 Site Management Plan, Site 4 – Coddington Cove Rubble Fill Area

Figure 4 Site Management Plan, Site 7 – Tank Farm 1

Figure 5 Site Management Plan, Site 8 – NUSC Disposal Area

Figure 6 Site Management Plan, Site 9 – OFFTA

Figure 7 Site Management Plan, Site 10 – Tank Farm 2

Figure 8 Site Management Plan, Site 11 – Tank Farm 3

Figure 9 Site Management Plan, Site 12 – Tank Farm 4

Figure 10 Site Management Plan, Site 13 – Tank Farm 5

Figure 11 Site Management Plan, Site 17 – Gould Island, Onshore and Offshore

Figure 12 Site Management Plan, Site 19 – Derecktor Shipyard, Onshore and Offshore

Figure 13 Site Management Plan, Site 22 – Carr Point

Figure 14 Site Management Plan, Site 23 – Coddington Point

Figure 15 Site Management Plan, MRP Site 1 – Carr Point

Appendix D Fiscal Year Targets

List of Acronyms and Abbreviations

AOC	Area of Concern
ARAR	Applicable or Relevant and Appropriate Requirement
B&RE	Brown & Root Environmental
BERA	Baseline ecological risk assessment
CCRF	Coddington Cove Rubble Fill Area
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CHF	Contaminant Hazard Factor
CLEAN	Comprehensive Long-Term Environmental Action Navy
COPC	Chemical of Potential Concern
cPAH	Carcinogenic Polycyclic Aromatic Hydrocarbon
CS	Confirmation Study
CTO	Contract Task Order
DERA	Defense Environmental Restoration Account
DERP	Defense Environmental Restoration Program
DESC	Defense Energy Support Center
DFSP	Defense Fuel Support Point
DOD	Department of Defense
ECC	Environmental Chemical Corporation
EE/CA	Engineering Evaluation/Cost Analysis
EPA	Environmental Protection Agency
ERA	ecological risk assessment
ERP	Environmental Restoration Program
ESD	Explanation of Significant Differences
FFA	Federal Facilities Agreement
FS	Feasibility Study
FY	Fiscal Year
HHRA	Human Health Risk Assessment
IAG	Interagency Agreement
IAS	Initial Assessment Study
ICDEC	Industrial/Commercial Direct Exposure Criteria
IM	Interim Measure
IRP	Installation Restoration Program
ERP	Environmental Restoration Program
LTM	Long-Term Monitoring
MC	munitions constituents
MEC	Munitions and Explosives of Concern

MPF	Migration Pathway Factor
MPS	Media Protection Standard
MRP	Munitions Response Program
msl	mean sea level
NACIP	Navy Assessment and Control of Installation Pollutants
NAVFAC	Navy Facilities Engineering Command
NAVSTA	Naval Station
Navy	United States Department of the Navy
NETC	Naval Education and Training Center
NFA	No Further Action
NPL	National Priority List
NTCRA	Non-Time Critical Removal Action
NUSC	Naval Undersea Systems Center
NUWC	Naval Undersea Warfare Center
OFFTA	Old Fire Fighting Training Area
O&M	Operation and Maintenance
OU	Operable Unit
PA	Preliminary Assessment
PA/SI	Preliminary Assessment/Site Investigation
PAH	Polycyclic aromatic hydrocarbon
PCB	Polychlorinated biphenyl
PCE	perchloroethene or tetrachloroethene
PCMM	Post-closure monitoring and maintenance
PDI	Pre-Design Investigation
PRG	Preliminary Remediation Goal
RA	Remedial Action
RAB	Restoration Advisory Board
RACR	Remedial Action Completion Report
RAWP	Remedial Action Work Plan
RC	Response Complete
RCRA	Resource Conservation and Recovery Act
RD	Remedial Design
RDEC	Residential Direct Exposure Criteria
RD/RA	Remedial Design/Remedial Action
RF	Receptor Factor
RI	Remedial Investigation
RIDEM	Rhode Island Department of Environmental Management

RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
RV	recreational vehicle
SAIC	Science Applications International Corporation
SAP	Sampling and Analysis Plan
SARA	Superfund Amendments and Reauthorization Act
SASE	Study Area Screening Evaluation
SI	Site Investigation
SIRAR	Site Investigation and Remedial Action Report
SMP	Site Management Plan
SRI	Supplemental Remedial Investigation
SSA	Site Screening Area
SVOC	Semi-volatile organic compound
SWOS	Surface Warfare Officers School
TCE	trichloroethene
TCRA	time critical removal action
TPH	total petroleum hydrocarbon
TSCA	Toxic Substances Control Act
TtEC	Tetra Tech EC, Inc.
TtFW	Tetra Tech FW, Inc.
URI	University of Rhode Island
UST	underground storage tank
UU/UE	unrestricted use and unlimited exposure
UXO	unexploded ordnance
VOC	Volatile organic compound
WAMS	Water Area Munitions Study
WW	World War

1.0 INTRODUCTION

This Site Management Plan (SMP) has been prepared for the Naval Station (NAVSTA) Newport in Newport, Rhode Island. It was developed by the U.S. Navy (Navy), Naval Facilities Engineering Command (NAVFAC) Mid-Atlantic and Resolution Consultants. The SMP serves as a management tool for planning, reviewing, and setting priorities for all environmental investigative and remedial response activities to be conducted at the facility under the Navy Environmental Restoration Program (ERP). The Navy's ERP parallels the federal Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) process. Under the Navy's ERP at NAVSTA Newport, there are multiple Installation Restoration Program (IRP) sites, and one Munitions Response Program (MRP) site.

This SMP provides the site-specific history, status, and schedule for implementation of ERP activities at NAVSTA Newport sites. The SMP is updated annually to revise priorities and schedules of activities as sites progress through the CERCLA process and additional information (including funding) becomes available. This version of the SMP for Fiscal Year 2017 (FY17) presents the rationale for the sequence of future investigation and remediation activities and the estimated schedule for completion of these activities. The use of an SMP allows for annual adjustment in scheduled activities for reasons such as federal budgetary constraints, changes in scope of investigation/remediation activities, or other unanticipated events. These changes are governed by the Federal Facilities Agreement (FFA) for NAVSTA Newport (EPA Region 1, 1992). The FFA establishes the roles and responsibilities of the Navy and the U.S. Environmental Protection Agency (EPA) and serves as an Interagency Agreement (IAG) for the completion of all necessary investigation and remedial actions at NAVSTA Newport. This SMP, itself, is not an FFA deliverable, but is a key element of the FFA as a management tool for both EPA and the Navy in implementing the ERP. A courtesy copy of this document will be provided to state and federal project managers.

1.1 Facility Location and Mission

The NAVSTA Newport facility has been used by the Navy since the Civil War era. Activities increased during war time, but decreased later as Navy forces were reorganized. Between 1900 and the mid-1970s, the facility was used as a refueling depot. The Naval Education and Training Center (NETC) was established at NAVSTA Newport in the 1970s. In the mid-1990s, several new laboratories were constructed at the Naval Undersea Warfare Center (NUWC, formerly Naval Undersea Systems Center or NUSC) to provide research, development, testing, evaluation, engineering, and fleet support for submarines and underwater systems. In 1998, NAVSTA Newport was established as the primary host command, taking over base operating support responsibilities from NETC.

The NAVSTA Newport facility encompasses approximately 1,000 acres on the west shore of Aquidneck Island, facing the east passage of Narragansett Bay, and is located in the towns of Portsmouth, Middletown, and Newport, Rhode Island. The facility also encompasses the northern third of Gould Island, which is part of the Town of Jamestown, Rhode Island.

Per the FFA, the Navy is the lead agency for site investigation and cleanup, with formal oversight provided by EPA and the Rhode Island Department of Environmental Management (RIDEM).

1.2 Regulatory History and Overview of Environmental Investigations

The 1983 Initial Assessment Study (IAS) identified 18 areas where contamination was suspected to pose a threat to human health and/or the environment (Naval Energy and Environmental Support Activity, 1983). Six of the 18 areas were investigated further in a Confirmation Study (CS) completed in 1986 (Loureiro Engineering Associates and York Wastewater Consultants, 1986). The results of the combined IAS and CS, as documented in the FFA, recommended further study at a subset of areas (refer to Table 1-1). Based on the results of the IAS and CS, the NAVSTA Newport installation (then referred to as NETC) was added to the National Priorities List (NPL) in 1989. A Phase 1 Remedial Investigation and Feasibility Study (RI/FS) was subsequently completed in 1992 and the FFA was signed to document the sites that required further study (refer to Table 1-1). Sites that were identified prior to the 1992 FFA are defined in the FFA, while other sites were identified subsequent to the FFA. An inventory of active and historic sites and their current regulatory status is provided in Table 1-1. Of those sites given an ERP designation, two sites have no remaining activities required under the ERP and are therefore not further summarized in this SMP.

- Site 2, The Melville North Landfill has been investigated under RIDEM regulations, rather than under the ERP, because it was not owned by the Navy at the time of the NPL listing.
- Site 21, the Melville Water Tower, had investigations and response actions completed in 2009. Historic details are provided in the FY2014 SMP.

A chronology of the major base-wide activities and documents at the NAVSTA Newport ERP sites is tabulated below in Table 1-2. Activities and documents specific to each site are tabulated in Section 2.0.

A Restoration Advisory Board (RAB) was established for NAVSTA Newport in 1996, to establish community awareness, public participation information exchange, and stakeholder involvement in the Navy's Environmental Restoration Program (ERP). Information is available on the Navy's website at <http://go.usa.gov/DyNw>. Additional information regarding the RAB is also available on the community's website at www.rabnewportri.org.

1.3 CERCLA Process

Since 1986, the Navy's ERP has followed the process prescribed by CERCLA regulations and guidance for investigating and addressing environmental contamination. The multi-step process is followed regardless of whether or not a facility is listed on the NPL, unless directed otherwise by a Resource Conservation and Recovery Act (RCRA) consent order or other legal instrument. Prior to 1986, the Navy Assessment and Control of Installation Pollutants (NACIP) Program had been followed at NAVSTA Newport. The NACIP Program had been designed to be implemented in three stages: Initial Assessment Study, Confirmation Study, and Remedial Measures.

Under the ERP, the investigation and remedial activities to be completed at NAVSTA Newport follow the guidelines established by the USEPA and the Navy as part of the CERCLA process. A description of the major phases of the CERCLA process is included as Appendix A.

Contaminants present that are not regulated by CERCLA are addressed under other appropriate regulatory programs. For instance, petroleum releases from systems for fueling and heating, which are regulated under state UST regulations, are investigated and remediated under the state underground storage tank (UST) program.

Table 1-1
 Inventory of Operable Units and Historic Sites
 NAVSTA Newport, RI

FFA Designation	Site Designation	Site Name	Operable Unit	Regulatory Phase
ACTIVE SITES				
Area 1	Site 1	McAllister Point Landfill	OU 1, OU 4	LTM
Area 7	Site 7	Tank Farm 1	OU 13	RI/FS
Area 8	Site 8	NUSC Disposal Area	OU 7	RD/RA
Area 9	Site 9	Old Fire Fighting Training Area (OFFTA)	OU 3	LTM
Area 10	Site 10	Tank Farm 2	OU 14	RI/FS
Area 11	Site 11	Tank Farm 3	OU 15	RI/FS
Area 12	Site 12	Tank Farm 4	OU 11	RI/FS
Area 13	Site 13	Tank Farm 5	OU 2	RI/FS
Area 17	Site 17	Building 32, Gould Island ⁽³⁾	OU 6	RD/RA
--	Site 19	Derecktor Shipyard - Off-shore	OU 5	RD/RA
--		Derecktor Shipyard - On-shore	OU 12	RD/RA
--	Site 22	Carr Point Storage Area	OU 10	RD/RA

FFA Designation	Site Designation	Site Name	Operable Unit	Regulatory Phase
--	MRP ⁽²⁾ Site 1	Carr Point Shooting Range	OU 9	RI/FS
--	Site 23	Coddington Point Buried Debris Areas	--	RI/FS
--	Site 24	Defense Fuel Supply Point (DFSP) - Melville	TBD	RI/FS
CLOSED SITES				
Area 2	Site 2	Melville North landfill ⁽¹⁾	--	NFA
Area 3	--	Substation #14, Transformer Vault	--	NFA
Area 4	Site 4	Coddington Cove Rubble Fill Area (CCRF)	--	NFA
Area 5	--	Melville North Area	--	NFA
Area 6	--	STP Site Drying Bed	--	NFA
Area 14	--	Gould Island Disposal Area	--	NFA
Area 15	--	Gould Island Bunker 11	--	NFA
Area 16	--	Gould Island Incinerator	--	NFA
Area 18	--	Structure 214, Melville North Area	--	NFA
--	Site 20	Surface Warfare Officers School (SWOS)	--	NFA
--	Site 21	Melville Water Tower	OU 8	NFA

Notes:

- (1) Site 2 was investigated under RIDEM regulations, rather than under the ERP, because it was not owned by the Navy at the time of the National Priorities List (NPL) listing in 1989.
- (2) Munitions Response Program (MRP)
- (3) Site 17 was listed in the FFA as the Gould Island Electroplating Shop.

Table 1-2
 Chronology of Major Base-Wide Events
 NAVSTA Newport, RI

Event/Document	Date
IAS completed. IAS identified 18 potentially contaminated sites. (Naval Energy and Environmental Support Activity, 1983)	March 1983
CS completed for: Site 01, Site 02, Site 07, Site 12, Site 14, and Site 17. (Loureiro Engineering Associates and York Wastewater Consultants, 1986)	May 1986
NETC Newport listed on the NPL.	November 1989
Draft Phase 1 RI and Human Health Risk Assessment (HHRA) Report completed for Sites 01, 02, 09, 12, and 13. (TRC, 1992)	January 1992
FFA between EPA, RIDEM, and Navy signed. (EPA Region 1, 1992)	March 1992
Restoration Advisory Board (RAB) established.	1996
First Five-Year Review Report completed. Five-Year review triggered by first remedial action at McAllister Point Landfill and Tank Farm 5, Tanks 53 and 56 in 1994. (TtNUS, 1999c)	December 1999
Second Five-Year Review Report completed. (Tetra Tech, 2004f)	December 2004
Draft Base Wide Background Study Report completed. (Tetra Tech, 2007b)	October 2007
Third Five-Year Review Report completed. (Tetra Tech, 2009c)	December 2009
Fourth Five-Year Review Report completed (Resolution, 2014a)	December 2014
Perfluorocarbon (PFC) PA [initial draft completed June 24, 2015 (Resolution, 2015h) and being expanded through a more comprehensive study, draft to be sent to the team scheduled for October 2016]	In progress
Munitions Response Program (MRP) PA [initial draft completed in 2003 (Malcom Pirnie, 2003) and being updated through a more comprehensive study, draft to the team submitted in September 2016]	In progress

2.0 SITE DESCRIPTIONS

This section presents the brief history and status of each site at NAVSTA Newport that is subject to the FFA and is being managed under this SMP. Some of these sites have been historically referred to as SMP sites, Areas of Concern (AOCs), and/or study areas. A summary of the specific history and status of each site is provided in the subsequent sections. Detailed schedules for pre-remedial sites are attached as Appendix B. The locations of sites included in the SMP are shown on Figure 1 included in Appendix C. Additionally, fiscal year targets for major milestones are included in Appendix D.

2.1 Site 1 – McAllister Point Landfill (OU 1 and OU 4)

The McAllister Point Landfill at NAVSTA Newport in Middletown, Rhode Island, was operated as a sanitary landfill over a 20-year period. From 1955 until the mid-1970s the landfill accepted all the wastes generated at the Naval complex, including waste from multiple operational areas (machine shops, ship repair, etc.), Navy housing areas (domestic refuse), and from the 55 ships that were home-ported at Newport prior to 1973 (approximately 14 40-cubic yard containers each day). The materials disposed of at the landfill reportedly included spent acids, paints, solvents, waste oils (diesel, lubrication, and fuel), polychlorinated biphenyl (PCB)-contaminated transformer oil; domestic refuse; and construction debris. A McAllister Point Landfill site plan is included as Figure 2 in Appendix C.

During the period from 1955 through 1964, wastes were trucked to the landfill, spread with a bulldozer, and covered. In the late 1950s or early 1960s, an incinerator was built at the landfill. From that time through about 1970, approximately 98 percent of the wastes were burned in the incinerator; the ash and unburned materials were disposed of in the landfill. The incinerator was closed around 1970 due to the resultant air emissions. During the remaining years that the site was operational, all wastes were again disposed of directly into the landfill. Based on a review of aerial photographs of the site covering the period from 1965 through 1975, a change in the shape of the shoreline in the central portion of the site is evident, indicating filling of Narragansett Bay in this area. After disposal activities ceased in 1973, a three-foot thick covering of clay/silt was reportedly placed over the central portion of the landfill, and the site remained inactive.

CERCLA Response Actions

In November 1989, NAVSTA Newport (then NETC), including the landfill, was listed on EPA's NPL of abandoned or uncontrolled hazardous waste sites subject to requirements of CERCLA and the Superfund Amendments and Reauthorization Act of 1986 (SARA). Following completion of the Phase 1 Remedial Investigation, a ROD was signed by EPA and the Navy in September 1993 to

address source control (OU 1). The ROD selected a multi-media, low permeability cap as a source control measure for the landfill. Construction of the landfill cap commenced in 1995, and was completed in 1996, when the landfill was formally closed in compliance with a Consent Decree Agreement between the Navy and EPA.

In April 1996, during construction of the source control remedy, landfill debris was discovered in the intertidal zone following a winter construction hiatus. This discovery led to investigations of the extent of landfill debris in Narragansett Bay and completion of a feasibility study for marine sediment/management of migration. A second ROD that addressed marine sediments/management of migration, referred to as OU 4, included a remedy for marine sediment contamination, and was issued in March 2000.

Site Chronology

A list of important McAllister Point Landfill documents and relevant dates in site chronology is shown below in Table 2-1. The identified events are illustrative, not comprehensive.

Table 2-1
 Chronology of Documents
 McAllister Point Landfill, NAVSTA Newport, RI

Document	Date	AR File Number	AR Site Number
Final Report Phase 2 Remedial Investigation Feasibility Study Work Plan (Trc Environmental Corporation, Inc.)	March 1993	000295	Site 00001
Remedial Design Work Plan (TRC Environmental Corporation, Inc.)	August 1993	000337	Site 00001
Proposed Plan	August 1993	000836	Site 00001
Record of Decision Source Control	September 1992	000269	Site 00001
Explanation Of Significant Difference	August 1996	000749	Site 00001
Final McAllister Point Landfill Marine Ecological Risk Assessment Report (Science Applications International Corporation)	March 1997	000836	Site 00001
Remedial Investigation Report (Brown & Root Environmental)	April 1997	000851	Site 00001
Feasibility Study Report For Marine Sediment Management Of Migration (Brown & Root Environmental)	May 1998	001033	Site 00001
Feasibility Study For Marine Sediment Management Of Migration	February 1999	001169	Site 00001
Geotechnical Pre-Design Investigation Report (Tetra Tech Nus, Inc.)	February 2000	001308	Site 00001

Document	Date	AR File Number	AR Site Number
Record Of Decision Marine Sediment Management Of Migration	March 2000	001312	Site 00001
Final Work Plan For McAllister Point Post Dredging Habitat Survey 2003	April 2003	001617	Site 00001
Final Interim Remedial Action Report (Tetra Tech Nus, Inc.)	September 2004	001817	Site 00001
Work Plan Long Term Monitoring Program (Tetra Tech Nus, Inc.)	October 2005	001973	Site 00001
Final Supplemental Eelgrass Mitigation Work Plan (Battelle)	April 2006	002040	Site 00001
Explanation of Significant Difference	September 2007	002163	Site 00001
Land Use Control Remedial Design Report for Site 1 McAllister Point Landfill (Tetra Tech)	February 2012	002534	Site 00013
Final 2014 Long Term Monitoring Report (Watermark Environmental, Inc.)	December 2015	003452	Basewide

Two separate remedial actions have been implemented at McAllister Point Landfill: a source control remedy (OU 1) and a marine sediment/management of migration remedy (OU 4). Four Five-Year Reviews have been conducted that were completed in 1999, 2004, 2009, and 2014. The First Five-Year Review only included the source control remedy (OU 1). Subsequent Five-Year Reviews have included both OU 1 and OU 4. The next Five-Year Review will be completed in December 2019. Five-year reviews of OU 1 and OU 4 are required by statute because hazardous substances, pollutants, or contaminants remain on site that do not allow for unrestricted use and unlimited exposure (UU/UE).

The Fourth Five-Year Review showed that contaminant concentrations at the site are decreasing or remaining the same. It is recommended that monitoring for both OU 1 and OU 4 continue.

CERCLA Path Forward

The CERCLA path forward for McAllister Point Landfill for both OU 1 and OU 4 is as follows:

- Finalize post-closure monitoring and maintenance (PCMM) plan in 2016
- Continue onshore and offshore LTM program
- Conduct annual LUC inspections
- Include in five-year review in 2019

2.2 Site 4 – Coddington Cove Rubble Fill Area (CCRF)

CCRF is a small area (less than 8 acres) located in Newport, Rhode Island, that was used from 1978 to 1982 as an area for general fill. Records researched for the IAS indicated that the area was used for the disposal of rubble, concrete, asphalt, slate, wood, brush, and possibly small quantities of ash (Navy, 2002a). The area lies on the shoreward side of Coddington Highway, between the highway and the rail spur, south of the former Derecktor Shipyard area (Site 19).

A secure, fenced storage area is located directly north of the site and the Defense Automated Printing Service/Supply Department (Building 47) is to the east. A Navy housing development abuts the south and west boundary of the CCRF. The area is fenced, although there are openings in the fence on the southwest side. The site is currently unoccupied. A CCRF site plan is included as Figure 3 in Appendix C.

A record review and field sampling plan was issued in May 2004. The record review, including historical aerial photographs, was used to develop the field sampling plan to gather preliminary information through a focused field investigation (Tetra Tech, 2004a). The field sampling plan included excavation of test pits in areas of suspected fill and collection of soil and groundwater samples to characterize the waste materials in the fill areas. The field work was completed in May and July 2004. Soil boring and groundwater samples were collected in September 2004 as part of a Phase 2 Environmental Site Assessment. The report recommended additional sampling.

CERCLA Response Actions

A draft SASE report was issued in April 2011, and a revised draft SASE report was issued in May 2012. The SASE concluded that contaminants detected at CCRF pose minimal concern for risk to human health and the environment. According to the report, some contaminants found in soil are likely a result of the presence of fill, but contaminants in surface water and sediment are likely to be the result of road runoff and storm drainage from the urban surroundings. Pesticides present at CCRF are likely a result of past spraying operations. The site is a partial wetland and cannot be used for residential purposes, and it is currently protected from development by wetland protection regulations. Access to the site is restricted by physical barriers including fences, wetlands, and a railway. Contaminants found in site media have little potential of migrating offsite to impact other areas or media surrounding the Site. In January 2013, the human health and ecological risk assessment portions of the draft SASE report were revised, and the Navy and regulatory agencies determined that additional groundwater characterization would be necessary prior to rendering a final decision on whether further action is required at CCRF. In early 2014, a focused groundwater sampling field program was conducted, which included analysis of metals and geochemical parameters to refine the conceptual site model (CSM) and to quantify whether there are site-

related potential risks to groundwater. The SASE Report was finalized in August 2014 and it was agreed that the results of the additional groundwater sampling would be documented as a separate supplemental report in the form of a Technical Memorandum (Tech Memo). The Draft Tech Memo was issued in October 2014 and included a recommendation that no further action is required at CCRF. Based on Agency comment and discussion, the Navy agreed to conduct one additional round of groundwater sampling in June 2015. The results were incorporated into the Final Supplemental Groundwater Evaluation Report in May 2016.

Site Chronology

A list of important CCRF documents and relevant dates in site chronology is shown below in Table 2-2. The identified events are illustrative, not comprehensive.

Table 2-2
Chronology of Documents
CCRF, NAVSTA Newport, RI

Document	Date	AR File Number	AR Site Number
Final Sampling and Analysis Plan Study Area Screening Evaluation (Tetra Tech Nus)	November 2010	002394	Site 00004
Final Sampling and Analysis Plan (Resolution Consultants)	November 2013	002888	Site 00004
Final Study Area Screening Evaluation (Tetra Tech)	August 2014	003160	Site 00004
Final Supplemental Groundwater Evaluation Report (Resolution Consultants)	May 2016	Pending	Pending

CERCLA Path Forward

There have been no remedial actions under CERCLA at CCRF. The CERCLA path forward for CCRF was documented in the Final Supplemental Groundwater Evaluation Report. The SASE phase determined that NFA is required, as site groundwater will be incorporated into the adjacent Site 19 Derecktor Shipyard site. This decision is documented in the ESD to the Site 19 ROD. The path forward for CCRF is as follows:

- Incorporate into Site 19 Land Use Control (LUC) in 2017
- Incorporate into Site 19 Long-term Monitoring (LTM) in 2017

2.3 Site 7 – Tank Farm 1 (OU 13)

Tank Farm 1, located in Portsmouth, Rhode Island, was constructed in the early 1940s and was in operation by the Navy between World War (WW) II and 1970. There were six 60,000-barrel USTs that were used for storage of diesel oil, fuel oil, jet fuel, 100-octane gasoline, and aviation fuel. According to previous investigation reports, tank bottom sludge was placed in pits on the site. Approximately 6,000 gallons of sludge were reportedly disposed of in this manner on the site (Navy, 2002d). The site was included in the 1983 IAS and the 1986 CS. A fence around the tank farm area restricts access to the site. A Tank Farm 1 site plan is included as Figure 4 in Appendix C.

The Defense Energy Support Center (DESC) was licensed by the Navy to use the tank farm as part of DFSP Melville for petroleum fuel storage and distribution between 1974 and 1998. The tanks were cleaned and ballasted between 1996 and 1997 and the site was administratively closed by DESC in 1998 (Tetra Tech, 2001b). Permanent tank closure, infrastructure removal, investigations, and response actions are being planned by DESC to under the RIDEM UST regulations, which follow the federal Resource Conservation and Recovery Act (RCRA) requirements. The Navy is monitoring DESC progress, and is implementing other investigations and/or response actions, as required, outside of the RIDEM UST regulations.

CERCLA Response Actions

The ethyl blending plant (AOC-001, 005 and 018) and Transformer Vaults 2 and 3 were identified as areas to be investigated and closed out under CERCLA. A Data Gaps Assessment (DGA) for these areas has been completed, as the RI phase of work. The Final DGA Report was completed in December 2014 and was used to initiate the FS. The Draft Final FS Report defined these areas as DU 1-1 (ethyl blending plant and associated AOCs), DU 1-2 (Transformer Vault 2) and DU 1-3 (Transformer Vault 3), and was submitted for regulatory review in March 2015. Following submittal of the Draft Final FS Report, EPA provided a letter to the Navy that questioned the adequacy of the groundwater assessment conducted as part of the DGA and requested additional information on the Navy's plans for groundwater in the other portions of the tank farm. The Navy provided a response to the EPA comments in April 2015. To maintain the FFA schedule, the Navy also submitted a Draft Proposed Plan for regulatory review in April 2015 and an updated version was provided in mid-May 2015. Per discussions and agreements with the agencies, the Navy revised the FS and Proposed Plan for DU 1-1, 1-2 and 1-3 to include soil only, and defer further groundwater considerations until after the petroleum-related infrastructure at Tank Farm 1 is dismantled and response actions for the associated petroleum impacts in soil are completed. In addition, the Navy agreed to re-evaluate specific AOCs at Tank Farm 1 (such as former sludge pits and oil/water separators) to ensure that no CERCLA releases remain outside the context of DESC's investigations and response actions for petroleum impacts under the RIDEM UST regulations.

The Navy is proceeding with expanding the investigation site-wide by initiating a tank farm wide CERCLA decision. The Proposed Plan and ROD will be for the entire tank farm and will encompass all media.

Site Chronology

A list of important Tank Farm 1 documents and relevant dates in site chronology is shown below in Table 2-3. The identified events are illustrative, not comprehensive.

Table 2-3
Chronology of Documents
Tank Farm 1, NAVSTA Newport, RI

Document	Date	AR File Number	AR Site Number
Final Sampling and Analysis Plan Category 1 Areas Ethyl Blending Plant and Transformers Site Tank Farm 1, DU 1-1, 1-2, 1-3 (Tetra Tech)	July 2012	002684	Site 00013
Final Tank Farm 1 Category 1 AOCs Data Gaps Assessment, DU 1-1, 1-2, 1-3 (Tetra Tech)	December 2014	003271	Site 00007
Tier II Sampling and Analysis Plan, DU 1-1, 1-2, 1-3	December 2015	003515	Site 00007
Final Feasibility Study, DU 1-1, 1-2, 1-3 (Resolution Consultants)	December 2015	003514	Site 00007
Final Soil Proposed Plan (Resolution Consultants)	April 2016	003525	Basewide
Final ROD, DU 1-1, 1-2, 1-3 (Resolution Consultants)	September 2016	Pending	Pending

CERCLA Path Forward

There have been no CERCLA remedial actions at Tank Farm 1. The majority of response actions have been conducted by DESC for petroleum-related impacts under the RIDEM UST regulations. The CERCLA path forward for Tank Farm 1 is as follows:

DU 1-1, 1-2, 1-3 Actions

- Complete soil Pre-Design Investigation in 2016
- Complete soil ESD in 2017
- Complete soil RD in 2017

- Implement and complete soil RA in 2018
- Include in five-year review in 2019

Tank Farm Wide Actions

- Conduct soil sampling in 2017
- Conduct groundwater sampling in 2017
- Complete RI in 2020
- Complete FS in 2021
- Complete Proposed Plan and ROD in 2022

2.4 Site 8 – Naval Undersea Systems Center (NUSC) Disposal Area (OU 7)

The NUSC Disposal Area, located in Middletown, Rhode Island was reportedly used for disposal of rubble and inert materials, including scrap lumber, tires, wire, cable, and empty paint cans.

The NUSC Disposal Area consists of approximately 8 acres of land adjacent to two streams, associated wetlands, and a small pond. The upland portions have been used as fill and storage areas since the Navy developed the site in the early 1950s. Currently there is a secured storage area and open storage area (both paved – approximately 2.3 acres) as well as open fields (1.6 acres) and brush covered areas (4.2 acres). A NUSC Disposal Area site plan is included as Figure 5 in Appendix C.

CERCLA Response Actions

The site was included in the 1983 IAS with a recommendation for no further action (NFA). Further investigations have been performed under a SASE and an RI for the NUSC Disposal Area. The SASE was conducted in June through November 2003, and included a passive soil gas investigation, and collection of soil, sediment, surface water, and groundwater samples (Tetra Tech, 2005a). The passive soil gas analysis indicated some areas where elevated volatile organic compounds (VOCs) were present, and these, along with other target areas identified in the work plan were investigated with a series of test pits, soil borings, and groundwater monitoring wells. Chlorinated solvents (trichloroethene [TCE] and tetrachloroethene [PCE]) were found in groundwater at the north (downgradient) end of the site. The SASE concluded that limited removal actions may be necessary and that additional efforts will be required to complete a remedial investigation, including a baseline HHRA and ERA, for the site (Tetra Tech, 2005a).

In response to the conclusions of the SASE, some limited removal actions have occurred at the site. A removal action was conducted in 2005 and 2006 to remove drums in various states of decay containing a tar-like substance from the center of the South Meadow. In addition, an area adjacent to Deerfield Creek was excavated in 2005 to remove deposited paint cans and metal debris. A final closure report (TN & Associates, 2006a) provides details on this action.

An RI was conducted in late 2008 to early 2009 and the final RI was submitted in January 2010. The RI found that unacceptable risks were present at the site due to polycyclic aromatic hydrocarbons (PAHs) and arsenic in soil, and due to VOCs and metals in groundwater. It also found that ecological risks were present due to organic compounds in the sediment of the pond and from metals in surface soil. Field work for the SRI was conducted in summer 2010 and a final SRI report was submitted in October 2011. Additional groundwater sampling was conducted in 2011 and 2012 to further evaluate monitored natural attenuation (MNA) at the site. The final FS and Proposed Plan were completed in July 2012 and the ROD was issued in September 2012. The land use control remedial design was completed in January 2014 and on-site construction began in December 2013. Remedial design is underway for the other components of the selected remedy.

The selected remedy, as outlined in the July 2012 ROD, includes the following components: excavation and off-site disposal of impacted soil (e.g., soil exceeding RIDEM leachability standards); construction of a soil cover over the remaining area of unpaved soils where chemical of concern concentrations exceed industrial cleanup goals; maintenance of the existing paved area as a Waste Management Area; in-situ treatment of the most contaminated portions of groundwater using either enhanced bioremediation or chemical oxidation, as to be determined through pre-design studies; MNA of the residual groundwater plume; excavation and off-site disposal of sediment in Deerfield Pond and Deerfield Creek; implementation of land use controls (LUCs) to ensure that future use of the property is limited to industrial activities, to ensure that the soil cover and subsurface soils are not disturbed without appropriate safety precautions, and to prohibit groundwater use until cleanup goals area achieved; and LTM of groundwater and inspection/maintenance of the soil/asphalt cover system (Navy, 2012c).

At the beginning of March 2014, friable asbestos insulation was identified during excavation in three target areas. Asbestos had not been identified as a COC in the Site 8 ROD and was not identified in the Remedial Action Work Plan (RAWP). The excavations were immediately backfilled to prevent possible exposures. An addendum to the RAWP was prepared to account for the presence of asbestos including proper work practices and the removal and off-site disposal of asbestos-containing materials and debris where encountered in the planned soil excavations. The RAWP Addendum was finalized on May 20, 2014. An ESD was completed and signed in December 2014 to add ARARs that pertain to asbestos. Although asbestos was not identified as a COC for Site

8, the remedy for the site as outlined in the ROD, including the asphalt/soil cover system and LUCs, will also be protective of human health and the environment with respect to asbestos.

RA completion activities will include additional grading, providing additional fill as needed, paving of the WMA/PSA and seeding of the soil cover system. These actions will occur once dredging activities are completed in late 2018. Remedial design of the groundwater and sediment components of the remedy is underway and the Final Remedial Design is expected in October 2016 which include the results of a pre-design field investigation effort.

Site Chronology

A list of important NUSC documents and relevant dates in site chronology is shown below in Table 2-4. The identified events are illustrative, not comprehensive.

Table 2-4
 Chronology of Documents
 NUSC Disposal Area, NAVSTA Newport, RI

Document	Date	AR File Number	AR Site Number
Study Area Screening Evaluation Work Plan Addendum Study Area (Tetra Tech Nus, Inc.)	June 2003	001645	Site 00008
Study Area Screening Evaluation (Tetra Tech)	January 2004	001862	Site 00008
Final Draft Remedial Action Completion Report (TN And Associates)	June 2006	002622	Site 00008
Final Interim Remedial Action Report Limited Soil Removal Action Drum Disposal Area (Navfac Northeast)	December 2006	002102	Site 00008
Final Remedial Investigation (Tetra Tech)	January 2010	002316	Site 00008
Final Feasibility Study (Tetra Tech)	July 2012	002670	Site 00008
Final Proposed Plan (Ns Newport)	July 2012	002678	Site 00008
Final Record of Decision (Tetra Tech)	September 2012	002706	Site 00008
Final Sampling and Analysis Plan for Pre Design Investigation for Soils (Tetra Tech)	July 2013	002842	Site 00008
Land Use Control Remedial Design (Tetra Tech)	October 2013	002850	Site 00008
Final Remedial Design for Soil (Tetra Tech)	January 2014	003071	Site 00008
Final Sampling and Analysis Plan Pre-Design Investigations for Groundwater Sediment (Tetra Tech)	October 2014	003213	Site 00008

Document	Date	AR File Number	AR Site Number
Explanation of Significant Differences (Resolution Consultants)	November 2014	003331	Site 00008
Final Remedial Action Work Plan (Tetra Tech)	July 2015	003371	Site 00008

CERCLA Path Forward

Remedial activities are underway at Site 8. The CERCLA path forward for Site 8 is as follows:

- Finalize groundwater and sediment RD in 2016
- Complete soil removal RA in 2016/2017
- Initiate groundwater and sediment RA in 2017/2018
- Conduct soil capping RA in 2019
- Conduct annual LUC inspections in 2019
- Include in five-year review in 2019
- Implement O&M and LTM programs in 2020

2.5 Site 9 – Old Fire Fighting Training Area (OFFTA) (OU 3)

The Old Fire Fighting Training Area (OFFTA) Site is located on Coaster's Harbor Island, adjacent to Narragansett Bay, in Newport, Rhode Island. It includes the original OFFTA site area and an adjacent area known as the Surface Warfare Officers School (SWOS) site. The SWOS site was originally identified as Site 20 under the FFA for NAVSTA Newport, but was added to the OFFTA site when it was discovered that subsurface soil contamination at the sites was similar and contiguous. An OFFTA site plan is included as Figure 6 in Appendix C.

The fire fighting training area was constructed in 1944 to train Navy personnel in fighting ship-board fires. Waste oils were used to train personnel in fire fighting operations (TRC, 1992). Several buildings were present to simulate ship compartments; these buildings, with several burning pits and paved areas, served as the principal areas of activity. The fire fighting training facility was closed in 1972. Upon closure, the training structures were reportedly demolished and buried in three mounds on the site, and then the entire area was covered with topsoil. The three soil mounds were the primary site features before they were removed in 2005. One approximately 20 foot high mound was located in the center of the site; the other two, approximately 5 to 6 feet high, were located on the western portion of the site.

The old fire fighting training area north of Taylor Drive was converted to a recreational area known as "Katy Field", with a playground, a picnic area with an open pavilion and barbecue grills, and a baseball field following the demolition activities in the early 1970s. The area was used for a variety of recreational activities between 1976 and 1998. A child day care center was also in operation in Building 144 at the site until 1994 when it was relocated to a larger facility on base (TtNUS, 2001b). Building 144 was demolished in 2009 (Navy, 2010b).

The area south of Taylor Drive (previously the SWOS site – Site 20), was the location of the former Brig facility, which served as the Correctional Center from its construction in 1951 until its demolition in 1996. Prior to 1951, this portion of the site was undeveloped.

CERCLA Response Actions

An IAS was conducted in 1983 that concluded that the site did not pose any threat. However, oil was found in the subsurface soil in 1987 during work to expand the child day-care center. In 1992, the Navy initiated an RI that included this area. According to the Phase 1 RI, issued in 1994, VOCs, pesticides, and fuel components were present in soils and groundwater. It was determined at that time that the contaminant concentrations did not pose an immediate threat to humans. In 1996, the Navy initiated a study as a follow up to the Phase 1 RI to attempt to define possible continuing sources of oil contamination to the property (Navy, 2003).

In 1998 the EPA requested that Katy Field and the recreational area around it be closed due to concerns about the adequacy of the characterization of site contaminants and exposure scenarios. The Navy immediately performed an HHRA at Katy Field to determine the possible health effects to adults and children from recreational use of the site. This study concluded that risks to site users were negligible. The Navy decided to keep the site closed until all investigations under CERCLA had been completed (Navy, 2003).

An ERA was conducted in the harbor adjacent to the site in 1998. This study found some potential for risk to ecological receptors in the near shore areas from contaminants related to old fuel releases. Follow-up sediment studies have confirmed the presence of some contaminants and also the presence of sensitive species such as eelgrass and shellfish in this area (Navy, 2003).

An RI Report, based on the Phase 1 and 2 investigations conducted in the early 1990s was completed in July 2001 (Tetra Tech, 2001b). This report incorporated the off-shore ecological investigation (1998), a marine ERA (2000), and three supplemental investigations (1997 – 2000). An FS was completed in September 2002 that evaluated remedial action alternatives to restore the site for unlimited use, and a Draft Proposed Plan was prepared to outline a proposed remedial

action. In 2004, a series of pre-design steps were conducted to support this Draft Proposed Plan for remedial action at the site.

A Phase 1 Environmental Site Assessment for the SWOS Building site was performed prior to the construction of the SWOS Applied Instruction Building (TtNUS, 2001a). The Phase I concluded that no releases of oil or hazardous materials were reported to have occurred at the SWOS site nor were disposal areas present at any time; however, during the 2003 construction of the SWOS Applied Instruction Building, oily soils were encountered in the parking lot area. Subsequently, Tetra Tech FW, Inc. conducted test pitting, soil sampling, and risk assessment to determine the risk to construction workers (TtFW, 2004a) and occupational exposure risks were found to be acceptable for construction workers. The installing utility lines and constructing parking lots. Tetra Tech FW, Inc. summarized their findings in an Occupational Exposure Assessment for Construction Workers at the SWOS Site report in March 2004 (TtFW, 2004a).

In 2004, it was determined that contaminants present at OFFTA (Site 9) are contiguous with, and similar to those found at the parking area at SWOS (Site 20). The contaminants present at OFFTA and SWOS and in the area of Taylor Drive, which separates the two properties, were addressed together in the Revised FS.

Also in 2004, the Navy deemed it appropriate to conduct a non-time-critical-removal-action. This decision was documented in an Action Memorandum, dated August 13, 2004 (Navy, 2004). The removal action was conducted in three phases. The first phase, conducted September 2004 to March 2005, removed soil and debris in the three mounds (Tetra Tech, 2005b). The second removal action resulted in excavation of hot spot contamination in the subsurface, as well as former drainage piping, a large oil-water separator, and exploratory excavations around remaining building foundations (Tetra Tech, 2008b). The third phase consisted of the construction of a replacement stone revetment, which underwent design in 2008 and 2009, and construction was initiated in January 2010. Due to the discovery of asbestos-containing materials (ACM) in soil, the construction work had a hiatus from September 2010 through July 2011 and then resumed from August 2011 through December 2011 under ACM conditions (AGVIQ-CH2M Hill, 2012).

For the SWOS portion of the site (Site 20), a Focused SI was performed by Tetra Tech in March 2006 to determine the source of the soil contamination and identify any other contaminants harmful to human health (TtNUS, 2006a). COPCs at the site exceeded risk-based criteria in samples collected mostly from the northern portion of the site, which bordered the boundary of Site 09, OFFTA at that time. The petroleum at the SWOS site was determined to be contiguous with that present at the adjacent OFFTA site. Elevated concentrations of PAHs were found in surface soil (believed to be associated with fill and old pavement debris) and in subsurface soil (believed to be

associated with either fill or co-located petroleum). Lead was present at the SWOS site above screening criteria in five discrete locations, also associated with fill material (TtNUS, 2006a).

Due to the similarities in the types of contaminants at the SWOS and OFFTA sites (petroleum, PAHs, and lead associated with fill); the Focused SI recommended that the two sites be considered as one. As such, Site 20 is no longer considered its own site. Instead, contamination in the SWOS area is considered to be an extension of OFFTA (Site 9) and the FS revision for OFFTA dated 2007 addresses the SWOS portion (TtNUS, 2007c).

Based on additional site data developed during the pre-design steps, the 2002 FS was revised in December 2007 (Tetra Tech, 2007c). This revision was prepared to reflect a change in the intended use of the property from residential use to parking, roadways, and open space for limited recreational use as defined by the Navy in discussion with RIDEM (Navy, 2006). A draft final was prepared in 2009 to incorporate site changes from the removal action conducted in 2008. The FS was finalized through a technical memorandum that identified minor revisions to the draft final.

Based on the Final FS, the Proposed Remedial Action Plan and Record of Decision were completed, which selected use of a cover system and land use controls as the remedy. The land use controls are managed through the establishment of a waste management unit which encompasses the entire site. The final ROD was signed in late September 2010. In September 2012, the ROD was modified through issuance of an ESD (Navy, 2012b). The ESD added asbestos as a contaminant of concern in soil. ACM was discovered during installation of the replacement stone revetment, conducted as part of the non-time critical removal action described above. Based on the ROD, a land use control remedial design was initiated in late 2010. The remedial design for the P-347 Newport Fitness Facility Phase 1A: Katy Field Parking Lot, which constitutes the soil cover and revetment extension components of the remedy, was finalized in October 2012 (Tetra Tech, 2012I). Remedial construction is complete and a Remedial Action Construction Report (RACR) was finalized on September 19, 2014. The Long-Term Management Plan for the site was finalized in September 2014 and the baseline round of LTM field activities began in the fall of 2014. The draft baseline groundwater, sediment, and LUC inspection report was completed in February 2015.

The Fourth Five-Year Review for NAVSTA Newport concluded that the remedy for Site 9 is protective of human health and the environment, but identified a recommendation to evaluate whether aqueous fire-fighting foams (AFFF) were used at the site and whether there was a potential release of PFCs, which are emerging contaminants, as part of an assessment. If the assessment indicates that AFFF was used at the site, a sampling plan will be developed to assess the presence/absence of PFCs. The initial assessment is currently being conducted.

Site Chronology

A list of important OFFTA documents and relevant dates in site chronology is shown below in Table 2-5. The identified events are illustrative, and not comprehensive.

Table 2-5
Chronology of Documents
OFFTA, NAVSTA Newport, RI

Document	Date	AR File Number	AR Site Number
Work Plan For Source Removal Evaluation (Brown & Root Environmental)	May 1997	000866	Site 00009
Final Old Fire Fighting Training Area Marine Ecological Risk Assessment Report (Science Applications International Corporation)	April 2000	001322	Site 00009
Feasibility Study For Soil And Marine Sediment (Tetra Tech Nus, Inc.)	April 2001	001418	Site 00009
Final Remedial Investigation Report (Tetra Tech)	July 2001	Not available	Not available
Work Plan Sediment Predesign Investigation (Tetra Tech)	October 2001	001470	Site 00009
Final Feasibility Study (Tetra Tech Nus, Inc.)	September 2002	001552	Site 00009
Work Plan Excavation, Transportation And Disposal Services (Universe Technologies, Inc.)	April 2004	001728	Site 00009
Work Plan Sediment And Groundwater Monitoring (Tetra Tech)	November 2004	001838	Site 00009
Sediment And Groundwater Monitoring Report (Tetra Tech)	March 2003	002026	Site 00009
Soil Pre-Design Investigation Report	April 2005	001907	Site 00009
Final Project Close-Out Report Excavation, Transportation and Disposal Services (Universe Technologies, Inc.)	December 2005	002002	Site 00009
Work Plan For Non-Time Critical Removal Action (NAVFAC Northeast)	June 2007	002145	Site 00009
Final Proposed Plan (NAVFAC Mid Atlantic)	June 2010	002328	Site 00009
Record Of Decision (NAVFAC Mid Atlantic)	September 2010	002323	Site 00009
Final Work Plan Addendum Excavation, Transportation And Disposal Of Asbestos Containing Material During Stone Revetment Replacement (Agviq/Ch2m Hill)	August 2011	002424	Site 00009
Final Land Use Control Remedial Design (Tetra Tech)	February 2012	002536	Site 00009

Document	Date	AR File Number	AR Site Number
Construction Completion Report For Stone Revetment Replacement Installation Restoration (Ch2m Hill)	September 2012	002717, 002718, 002719	Site 00009
Explanation Of Significant Differences (Tetra Tech)	September 2012	002704	Site 00009
Final Project Close-Out Report Excavation, Transportation And Disposal Services (Universe Technologies, Inc.)	December 2012	002002	Site 00009
Project Construction Completion Report Remedial Action Soil Cover (Service Disabled Contracting Group)	May 2014	003098	Site 00009
Explanation of Significant Differences (NAVFAC Mid Atlantic)	June 2014	003141	Site 00009
Final Remedial Action Completion Report (Tetra Tech)	September 2014	003199	Site 00009
Final Long Term Management Plan (Tetra Tech)	September 2014	003179	Site 00009
Remedial Action Management and Monitoring Report (Tetra Tech)	September 2015	003407	Site 00009
2015 Final Remedial Action Management And Monitoring Report (Service Disabled Contracting Group)	March 2016	003531	Site 00009

CERCLA Path Forward

Remedial construction of the soil cover under CERCLA is complete at OFFTA. The CERCLA path forward for OFFTA is as follows:

- Continue to implement groundwater/sediment LTM program
- Conduct annual LUC inspections
- Include in five-year review in 2019

2.6 Site 10 – Tank Farm 2 (OU 14)

Tank Farm 2, located in the Melville area of Portsmouth, Rhode Island, was constructed in the early 1940s and used by the Navy between WWII and 1970. Eleven 60,000-barrel USTs were used for storage of fuel. According to previous investigation reports, approximately 100,000-175,000 gallons of tank bottom sludge were disposed in pits on site (Navy, 2002d). The site was part of the 1983 IAS. A fence around the tank farm area restricts access to the site. A Tank Farm 2 site plan is included as Figure 7 in Appendix C.

DESC was licensed by the Navy to use the tank farm as part of DFSP Melville for petroleum fuel storage and distribution between 1974 and 1998. The tanks were cleaned and ballasted between

1996 and 1997 and the site was administratively closed by DESC in 1998 (Tetra Tech TtNUS, 2001b). A Tank Closure Assessment Report (GZA, 1998a) and Site Investigation Report (GZA, 1998) were submitted by DESC to RIDEM in 1998 under RIDEM UST regulations. Additional investigations by DESC were undertaken from May 2005 to June 2006 to characterize and remediate, under the RIDEM UST regulations, petroleum contamination that occurred as a result of DESC operations. The UST program is mandated by the federal RCRA. Contamination attributed to DESC operations were determined by research of historical practices, aerial photography analysis, and sampling. The Site Investigation and Remedial Action Report (SIRAR) (TtEC, 2006b) summarizes the data collected and the soil removal actions. Several AOCs were addressed (AOC-28, AOC-37, and Tank 25) by excavation of impacted soil. Soil above RIDEM Industrial/Commercial Direct Exposure Criteria (ICDEC) was successfully excavated with the exception of soil contamination not associated with DESC operations. However, site and tank closure has not been granted by RIDEM. Steps toward closeout of the petroleum release areas not addressed by DESC are being discussed with DESC. Other potential areas of concern identified by RIDEM require evaluation and discussion with RIDEM to determine if any investigation is warranted.

CERCLA Response Actions

Final RI Work Plan was submitted in July 2013 and the field investigation was completed in December 2013. The final RI Report (Data Gaps Assessment) was completed in November 2015. The final FS report was completed in September 2016

With the finalization of the FS report, response actions for OU-14 are now enveloped into a tank farm wide CERCLA decision. The Proposed Plan and ROD will be for the entire tank farm that encompasses all media.

Site Chronology

A list of important Tank Farm 2 documents and relevant dates in site chronology is shown below in Table 2-6. The identified events are illustrative, not comprehensive.

Table 2-6
 Chronology of Documents
 Tank Farm 2, NAVSTA Newport, RI

Document	Date	AR File Number	AR Site Number
Draft Site Investigation and Remedial Action Plan [Draft Acting as Final] (Tetra Tech)	July 2006	002862	Site 00010
Sampling And Analysis Plan Data Gaps Assessment, DU 2-2, 2-3 (Tetra Tech)	July 2013	002844	Site 00010
Final RI Report, DU 2-2, 2-3 [Data Gaps Assessment] (Tetra Tech)	November 2015	Not Available	Not Available
Final Soil FS Report, DU 2-2, 2-3 (Resolution Consultants)	September 2016	Pending	Pending

CERCLA Path Forward

There have been no remedial actions under CERCLA at Tank Farm 2. The CERCLA path forward for Tank Farm 2 is as follows:

DU 2-1, 2-2 Actions

- Incorporate into tank farm wide ROD and response action

Tank Farm Wide Actions

- Conduct soil sampling in 2017
- Conduct groundwater sampling in 2018
- Complete RI in 2020
- Complete FS in 2021
- Complete Proposed Plan in 2022
- Complete ROD in 2023

2.7 Site 11 – Tank Farm 3 (OU 15)

Tank Farm 3, located in the Melville area of Portsmouth, Rhode Island, was constructed in the early 1940s and was used by the Navy between WWII and 1970. Seven 60,000-barrel USTs were used for storage of fuel. According to previous investigation reports, tank bottom sludge was disposed of in burning chambers, which were constructed of steel sides and sand bottoms (Navy, 2002d). The

site was part of the 1983 IAS. A fence around the tank farm area restricts access to the site. A Tank Farm 3 site plan is included as Figure 8 in Appendix C.

DESC was licensed by the Navy to use the tank farm as part of DFSP Melville for petroleum fuel storage and distribution between 1974 and 1998. The tanks were cleaned and ballasted between 1996 and 1997 and the site was administratively closed by DESC in 1998 (Tetra Tech, 2001b). Further investigations by DESC commenced in June 2004 to fully characterize and remediate, under RIDEM UST regulations, any petroleum contamination that occurred as a result of DESC operations. The UST program is mandated by the federal RCRA. Contamination attributed to DESC operations were determined by research of historical practices, aerial photography analysis, and sampling programs. These investigations were completed in April 2005 and a summary of the data can be found in the Draft SI and RA Report for Tank Farm 3 (TtEC, 2006a). Several AOCs were addressed, with excavations taking place at AOC-001, -004, -005, -016, -017, and -018 in an effort to remediate soil to levels below RIDEM ICDEC and, if possible, below Residential Direct Exposure Criteria (RDEC). Contaminated soil remaining above ICDEC and RDEC levels was determined to be caused by activities other than DESC operations. To that extent, this effort remediated contamination caused by the DESC activities from 1974 to 1998. However, tank and site closure has not been granted by RIDEM. Steps toward closeout of the petroleum release areas not addressed by DESC are being discussed with DESC. Other potential AOCs identified by RIDEM require evaluation and discussion with RIDEM to determine if any investigation is warranted.

CERCLA Response Actions

A SASE report was finalized in August 2013. An RI Work Plan (SAP) was completed in May 2013 and field investigations were completed in 2013 for three areas of the site regulated under CERCLA. The final RI report (Data Gaps Assessment) was completed in November 2015. The Final Soil FS Report was completed in September 2016. With the finalization of the FS report, response actions for OU-15 are now enveloped into a tank farm wide CERCLA decision. The Proposed Plan and ROD will be for the entire tank farm that encompasses all media.

Site Chronology

A list of important Tank Farm 3 documents and relevant dates in site chronology is shown below in Table 2-7. The identified events are illustrative, not comprehensive.

Table 2-7
 Chronology of Documents
 Tank Farm 3, NAVSTA Newport, RI

Document	Date	AR File Number	AR Site Number
Work Plan For Environmental Site Investigation of Defense Fuel Support Point Melville Tank Farm 3 (GZA Remediation, Inc.)	July 1994	000429	Site 00011
Work Plan for Site Closure Tank Farm 3 Defense Fuel Support Point Melville (Foster Wheeler Environmental Corporation)	August 2002	001541	Site 00011
Site Investigation and Remedial Action Report, DU 3-1, 3-2, 3-3 (Tetra Tech)	May 2005	002315	Site 00011
Data Gaps Assessment Report for Areas Of Concern 1, 20 (AOC 1 , AOC 20) and the Electrical Control House Area (Tetra Tech)	November 2011	003449	Site 00011
Sampling and Analysis Plan Data Gaps Assessment, DU 3-1, 3-2, 3-3 (Tetra Tech)	May 2013	002811	Site 00011
Study Area Screening Evaluation, DU 3-1, 3-2, 3-3 (Tetra Tech)	August 2013	002846	Site 00011
Final Data Gaps Assessment Report for Areas of Concern 1, 20 (AOC 1 , AOC 20) and the Electrical Control House Area within Site 11 Tank Farm 3, DU 3-1, 3-2, 3-3 (Tetra Tech)	November 2015	003449	Site 00011
Final Soil FS Report, DU 3-1, 3-2, 3-3 (Resolution Consultants)	September 2016	Pending	Pending

CERCLA Path Forward

There have been no remedial actions under CERCLA at Tank Farm 3. The CERCLA path forward for Tank Farm 3 is as follows:

DU 3-1, 3-2, 3-3 Actions

- Incorporate into tank farm wide ROD and response action

Tank Farm Wide Actions

- Conduct soil sampling in 2017
- Conduct groundwater sampling in 2018
- Complete RI in 2020
- Complete FS in 2021

- Complete Proposed Plan in 2022
- Complete ROD in 2023

2.8 Site 12 – Tank Farm 4 (OU 11)

Tank Farm 4 is approximately 80 acres and is located in Portsmouth, Rhode Island. The site is bordered by Defense Highway to the west, beyond which lies Narragansett Bay, and wooded, undeveloped areas to the north and south (TRC, 1992). The topography slopes to the west; the ground elevation falls to mean sea level (msl) on the west corner where Normans Brook crosses the site. The brook flows off the site and into Narragansett Bay. The tanks were located in the central portion of the site (TRC, 1992). A Tank Farm 4 site plan is included as Figure 9 in Appendix C.

The tank farm was constructed in the early 1940s and was used between WWII and 1970. Twelve 60,000-barrel USTs were used for storage of fuel (Navy, 2002c). It was speculated in the IAS that tank bottom sludges may have been disposed of on site. The site was part of the 1983 IAS and the CS in 1986.

All tanks in Tank Farm 4 were cleaned and ballasted between 1994 and 1997 and were demolished between 1997 and 1998 as part of UST closure activities conducted by the Navy under RIDEM UST regulations. Test pits were dug around the perimeter of each tank and a composite soil sample analyzed to ensure no contamination was present. A 15-foot layer of sand was placed into the bottom of each tank and each tank roof was imploded individually. The demolition objective was to collapse and separate the tank roof from the tank walls while maintaining the basic structural integrity of the tank floor and side walls. Following tank demolition, each tank site was backfilled with clean borrow material (Foster Wheeler, 1999a).

CERCLA Response Actions

In October 2004, the Navy began field work on an SI to fully characterize the entire site under the ERP. Review Areas were identified for investigation during the SI. These were selected as areas where residual contaminants may be present based on regulatory review of historical records. The work included investigating for possible former sludge pits, assessing piping not previously assessed, demolishing two structures known as Ruin #1 (a former oil-water separator/burn pit) and Ruin #2 (a former oil-water separator accepting water from the Tank 41 area), and sampling other Review Areas including fence lines and transformer vaults.

No evidence of former sludge pits was found during the SI. The results of the SI are summarized in the Final Closeout Report for Sludge Disposal Trenches and Review Areas at Tank Farms 4 and 5 (TtEC, 2007).

Data gaps were identified that were not addressed in the SI. It was determined that the areas of the tank farm that were impacted by petroleum products would be addressed under RIDEM UST regulations (Category 2, as described in Section 2.1). Other areas within the tank farm that were impacted through burning sludge and disposal of burned sludge through concrete chambers and oil water separators to on site wetlands are being addressed under the ERP/CERCLA (Category 1, as described in Section 2.1). Based on this determination, a single CERCLA decision unit was established for the area around and down gradient of the former burning chamber and disposal area, and that area was investigated and evaluated through a CERCLA-type risk assessment (Tetra Tech, 2012i). The Category 2 areas impacted by petroleum will be closed out through Corrective Action Plans and closure assessment reports as appropriate under RIDEM UST regulations.

Decision Unit 4-1 was created to describe the Category 1 areas of concern that are being addressed under CERCLA and a Data Gaps Assessment was conducted to investigate current conditions at the areas and conduct a human health and ecological risk assessment. The primary contaminants of concern for Decision Unit 4-1 include polycyclic aromatic hydrocarbons (PAHs) and metals (mainly arsenic and chromium). The HHRA concluded that there is no significant risk associated with exposures to surface water and sediment; however, there are potential risks to some receptors from exposure to surface and subsurface soil and groundwater. The screening level ecological risk assessment concluded that there was limited potential for ecological risks and no further ecological risk evaluation was needed (Tetra Tech, 2012i).

The Final Feasibility Study for Decision Unit 4-1 was completed on May 1, 2013 and the ROD was signed on September 30, 2013 (Navy, 2013). Remedial design activities are underway, with the required RD documents. A PDI was required by the ROD to refine the extent of soil impacts requiring CERCLA response action. A final Remedial Design Work Plan (RDWP) with a PDI SAP was completed in May 2014. The results of the PDI were incorporated into the final Soil RD which was completed in February 2015. Also required by the ROD, a final LUC RD was completed in April 2014. The Soil RAWP was completed in December 2015, and the Groundwater LTM was finalized in March 2016. Soil remedial action construction which began in December 2015 was completed in April 2016.

The Navy is proceeding with expanding the investigation site-wide by initiating a tank farm wide CERCLA decision. The Proposed Plan and ROD will be for the entire tank farm and will encompass all media.

Site Chronology

A list of important Tank Farm 4 documents and relevant dates in site chronology is shown below in Table 2-8. The identified events are illustrative, not comprehensive.

Table 2-8
 Chronology of Documents
 Tank Farm 4, NAVSTA Newport, RI

Document	Date	AR File Number	AR Site Number
Remedial Investigation (TRC Environmental Corp.)	January 1992	Not Available	Not Available
Site Investigation Report Tanks 38, 42, 45 And 48 (Brown & Root Environmental)	April 1996	000706, 000707	Site 00012
Explosive Handling and Demolition Work Plan (Foster Wheeler Environmental Corporation)	April 1997	000856	Site 00012
Final Revised Final Site Investigation Work Plan for Sludge Disposal Trenches and Review Areas at Tank Farms 4 And 5 (Tetra Tech Fw, Inc.)	September 2004	001814	Site 00012, Site 00013
Final Closeout Report for Sludge Disposal Trenches and Review Area at Tank Farm 4 And 5 (NAVFAC Northeast)	June 2007	002150	Site 00012, Site 00013
Final Data Gaps Assessment Report, DU 4-1 (Tetra Tech)	August 2012	002689	Site 00012, Site 00013
Feasibility Study, DU 4-1 (Tetra Tech)	May 2013	002807	Site 00012
Record Of Decision, DU 4-1 (Tetra Tech)	September 2013	002854	Site 00012
Final Land Use Control Remedial Design, DU 4-1 (Resolution Consultants)	April 2014	003307	Site 00012
Final Remedial Design Work Plan, DU 4-1 (Resolution Consultants)	May 2014	003308	Site 00012
Tier II Sampling And Analysis Plan, DU 4-1 (Resolution Consultants)	July 2014	003558	Site 00012
Final Sampling and Analysis Plan Fenceline Survey Sampling and Replacement, DU 4-1 (Tetra Tech)	August 2014	003177	Site 00012, Site 00013
Remedial Design for Soil Excavation, DU 4-1 (Resolution Consultants)	December 2014	003320	Site 00012
Final Soil Remedial Design, DU 4-1 (Resolution Consultants)	February 2015	Not Available	Not Available
Final Remedial Action Work Plan, DU 4-1 (Tetra Tech)	December 2015	003451	Site 00012
Final Groundwater Long Term Monitoring/Management Plan, DU 4-1 (Resolution Consultants)	March 2016	003571	Site 00012

CERCLA Path Forward

The ROD was signed on September 30, 2013. The CERCLA path forward for Tank Farm 4 is as follows:

DU 4-1 Actions

- Implement groundwater LTM program in 2016/2017
- Conduct annual LUC inspections
- Include in five-year review in 2019

Tank Farm Wide Actions

- Conduct soil sampling in 2017
- Conduct groundwater sampling in 2018
- Complete RI/FS in 2019
- Complete Proposed Plan in 2019
- Complete ROD in 2020

2.9 Site 13 – Tank Farm 5 (OU 2)

Tank Farm 5 occupies approximately 80 acres and is located in the north-central part of NAVSTA Newport, in Middletown, Rhode Island. The site is bordered by Defense Highway to the west, beyond which lies Narragansett Bay, a wooded area and cemetery to the south, and Green Lane to the northeast. Gome's Brook transects the northern portion of the tank farm. The Brook flows westerly, to Narragansett Bay, and provides surface drainage for the northern portion of the facility and of the residential areas to the east. A Tank Farm 5 site plan is included as Figure 10 in Appendix C.

This tank farm was constructed in the early 1940s and was used between WWII and 1970 for fuel oil storage. The tanks were constructed in blasted bedrock sockets and were approximately 116 feet in diameter and 33 feet deep. Approximately 4 feet of soil covered the tanks, and they were surrounded by a 4-foot wide, crushed-rock ring drain system. The ring drain system was installed to remove groundwater from around the tank and to prevent tank damage caused by hydraulic stresses and tank flotation.

Tank Farm 5 was composed of eleven 60,000-barrel USTs, numbered 49 through 59, that were used for storage of fuel. Tank bottom sludges were burned on the site. Approximately 10,000-

175,000 gallons of oily sludges were disposed on site. In 1975, as part of an oil recovery program, the Navy began using Tanks 53 and 56 to store used oil for alternate use as a heating fuel oil (TRC, 1993a). The waste oil became regulated by RCRA in 1980. In 1982, RIDEM adopted hazardous waste regulations that were applicable to the waste oils stored in Tanks 53 and 56. Subsequent sampling of the waste oils in 1983 indicated that the oil and sludge layers were considered hazardous due to elevated concentrations of lead. Also, the water phase was found to contain dissolved hydrocarbon compounds.

In 1984, the Navy decided to discontinue use of Tanks 53 and 56. In 1985, results of a groundwater sampling round using monitoring wells located within the Tank 53 ring drain indicated the presence of chlorinated and aromatic hydrocarbon compounds. In September 1985, RIDEM issued NAVSTA Newport a Hazardous Waste Facility Permit for Tanks 53 and 56, which included a stipulation to remove the contents and close the tanks in accordance with federal hazardous waste regulations and RIDEM requirements applicable for USTs used for oil and hazardous substance storage.

Further investigations conducted in 1986 confirmed the presence of VOCs in the Tank 53 ring drain. Lower concentrations of VOCs were detected in groundwater up to 150 feet downgradient of Tank 53. In January 1990, oil was observed overflowing from the tank gauging chamber and onto the ground as a result of surface water entering the tank through cracks in the tank roof. The Navy took immediate action to lower the level in the tank to prevent further overflow. RIDEM issued an Immediate Compliance Order, which required that the Navy remove the contents of the tank, begin remediation of contaminated groundwater and soils surrounding the tank, and initiate an investigation to determine the extent of oil contamination in the vicinity of Tank 53. In 1992, pursuant to the Immediate Compliance Order, the Navy completed the removal of sludge, oil, and water from the tank, and cleaned the interior surfaces of the tank.

All tanks in Tank Farm 5 were cleaned and ballasted between 1994 and 1997 (Tetra Tech, 2001b). In addition, all tanks were demolished from late 1998 through early 1999 as part of UST closure activities conducted by the Navy under RIDEM regulations. The tanks were imploded individually, with the demolition objective being to collapse and separate the tank roof from the tank walls while maintaining the basic structural integrity of the tank floor and side walls. A 15-foot layer of sand was placed into the tank to absorb the shock from the collapsing tank roof and to avoid formation of void spaces between the tank floor and collapsed roof. The ballast water was removed from the tanks and pump rooms prior to sand placement. Following tank demolition, each tank site was backfilled with certified clean fill (Tetra Tech, 2000a).

CERCLA Response Actions

Tanks 53 and 56 stored waste oils and were addressed through an interim remedial action, while the other tanks at Tank Farm 5 have been investigated separately because they were used exclusively for the storage of virgin fuel oils. Although virgin fuel oil is not addressed under the IR Program, Tank Farm 5 was included as a "Site" because records suggested that bottom sludge from fuel oil tanks was disposed of in burning chambers.

In 1992, an Interim Action ROD was signed by EPA and the Navy that selected a management of migration alternative consisting of groundwater extraction, treatment, and discharge as an interim remedial action for the Tanks 53 and 56 site. A groundwater extraction and treatment/containment system was constructed in December 1994 and was in operation for two years. The system was shut down in December 1996 because monitoring well and influent sampling results were below cleanup levels. During this time period (1995 to 1996) the Navy also conducted a source removal action at Tank 53. Although source control was not part of the Interim Action ROD, the Navy removed contaminated soil surrounding Tank 53 and reconstructed the ring drain with clean materials. Five rounds of groundwater sampling conducted after the treatment system was shut down confirmed that the remedial action was successful. As a result the treatment system was dismantled in October 2008.

Four Five-Year Reviews have been conducted that were completed in 1999, 2004, 2009, and 2014. The Four Five-Year Review indicated that the interim remedial action for Tanks 53 and 56 should be considered "Remedy Complete" and that a No Further Action decision document should be prepared. A No Further Action Proposed Plan was finalized in May 2016. The next step will be to prepare a No Further Action ROD for Tanks 53 and 56.

In October 2004, the Navy began field work on an SI to build on data collected during the Phase 1 RI for NETC Newport and to better characterize the entire site under the ERP. The work included investigating for possible former sludge pits, assessing piping not previously assessed, demolishing a former oil-water separator/burn pit, and sampling other Review Areas including fence lines and transformer vaults. No evidence of former sludge pits was found. The results of the SI are summarized in the Final Closeout Report for Sludge Disposal Trenches and Review Areas at Tank Farms 4 and 5 (TtEC, 2007).

Data gaps were identified that were not addressed in the SI. It was determined that the areas of the tank farm that were impacted by petroleum products would be addressed as Category 2 (refer to Section 2.1). The other areas within the tank farm that were impacted through burning sludge and disposal of burned sludge through concrete chambers and oil-water separators to on-site wetlands are being addressed as Category 1 (refer to Section 2.1). Based on this determination, a

single CERCLA decision unit, referred to as Decision Unit 5-1, was established for the area around and downgradient of the former burning chamber and disposal area, and that area was investigated and evaluated through a CERCLA-type risk assessment (Tetra Tech, 2011g). The Category 2 areas impacted by petroleum will be closed out through Corrective Action Plans and closure assessment reports as appropriate under RIDEM UST regulations.

The primary contaminants of concern for Decision Unit 5-1 include PAHs and metals (mainly arsenic and chromium). The HHRA concluded that there is no significant risk associated with exposures to surface soil, surface water and sediment; however, potential risks do exist to some receptors from exposure to soil and groundwater. The screening level ecological risk assessment concluded that there was limited potential for ecological risks and no further ecological risk evaluation was needed (Tetra Tech, 2012i).

The Feasibility Study was completed in December 2013 and the ROD was completed in January 2014. Remedial design activities are underway, with the required RD documents. A PDI was required by the ROD to refine the extent of soil impacts requiring a CERCLA response action. A final Remedial Design Work Plan (RDWP) with a PDI SAP was completed in August 2014. The PDI field program was implemented in the fall of 2014 and the results of the PDI were incorporated into the Soil RD which was finalized in May 2015. As also required by the ROD, the final LUC RD was completed in July 2014 and the Groundwater LTM Plan was completed March 2016. A draft Soil RAWP was completed in November 2015 and is expected to be finalized in mid-2016.

The Navy is proceeding with expanding the investigation site-wide by initiating a tank farm wide CERCLA decision. The Proposed Plan and ROD will be for the entire tank farm and will encompass all media. The final No Further Action decision for Tanks 53 and 56 will also be included in the tank farm wide ROD.

Site Chronology

A list of important Tank Farm 5 documents and relevant dates in site chronology is shown below in Table 2-9. The identified events are illustrative, and not comprehensive.

Table 2-9
 Chronology of Documents
 Tank Farm 5, NAVSTA Newport, RI

Document	Date	AR File Number	AR Site Number
Final Proposed Plan Tanks 53 and 56	May 1992	000227	Site 00013
Record Of Decision for Interim Remedial Action	September 1992	000268	Site 00013
Sampling and Analysis Plan Groundwater Monitoring at Tank 53	December 1996	000779	Site 00013
Site Close Out Report for Groundwater Remediation of Tank Farm 5 Tanks 53 And 56 (Foster Wheeler Environmental Corporation)	August 1997	000909	Site 00013
Final Tank Farm 5 Demolition Work Plan (Foster Wheeler Environmental Corporation)	November 1997	000953	Site 00013
Project Close-Out Report for Tank Farm 5 Demolition (Foster Wheeler Environmental Corporation)	May 1999	001218, 001219, 001220, 001221, 001222, 001223	Site 00013
Final Revised Final Site Investigation Work Plan for Sludge Disposal Trenches and Review Areas at Tank Farms 4 and 5 (Tetra Tech Fw, Inc.)	September 2004	001814	Site 00012, Site 00013
Final Closeout Report for Sludge Disposal Trenches and Review Area at Tank Farm 4 and 5 (NAVFAC Northeast)	June 2007	002150	Site 00012, Site 00013
Final Feasibility Study, DU 5-1 (Tetra Tech)	December 2013	002894	Site 00013
Final Executed Record of Decision, DU 5-1 (Tetra Tech)	January 2014	003069	Site 00013
Land Use Control Remedial Design, DU 5-1 (Resolution Consultants)	July 2014	003157	Site 00013
Final Remedial Design Work Plan, DU 5-1 (Resolution Consultants)	August 2014	003181	Site 00013
Tier II Sampling and Analysis Plan, DU 5-1 (Resolution Consultants)	October 2014	003495	Site 00013
Final Remedial Design for Soil Cover, DU 5-1 (Resolution Consultants)	May 2015	003368	Site 00013
Final Groundwater Long Term Monitoring/Management Plan, DU 5-1 (Resolution Consultants)	March 2016	003572	Site 00013

CERCLA Path Forward

An interim remedial action was conducted under CERCLA at Tank Farm 5 for Tanks 53 and 56. Remedial action fieldwork has not begun for Decision Unit 5-1. The CERCLA path forward for Tank Farm 5 is as follows:

DU 5-1 Actions

- Install soil cover RA in 2016
- Implement groundwater LTM program in 2016/2017
- Conduct annual LUC inspections
- Include in five-year review in 2019

Tank Farm Wide Actions

- Conduct soil sampling in 2017
- Conduct groundwater sampling in 2018
- Complete RI/FS in 2019
- Complete Proposed Plan in 2019
- Complete ROD in 2020

2.10 Site 17 – Gould Island

The FFA initially identified Study Area 17 as Building 32 at the northeast end of Gould Island. Gould Island lies between Aquidneck and Conanicut Islands, about 1.5 miles from the NAVSTA Newport shoreline in the town of Jamestown, Rhode Island. Electroplating and degreasing operations were performed in Building 32 during the mid-1940s, when it was used to service and store torpedoes. Wastes generated from the electroplating and degreasing operations included muriatic acid, chromic acid, copper cyanide, sodium cyanide, sodium hydroxide, nickel sulfate, Anodex cleaner, and degreasing solvents (Tetra Tech, 2004c). A Gould Island site plan is included as Figure 11 in Appendix C.

CERCLA Response Actions

Study Area 17 was included in the IAS (1983). The report suggested that rinse water from the operations was disposed directly into the Narragansett Bay and that contaminated sediments might be present off shore. The CS (1986) reported that sediment samples revealed slightly elevated

concentrations of cyanide and copper. Mussels collected from the area of the rinse water out-fall contained elevated levels of copper (Navy, 2002b).

A waste inventory and sampling report characterized waste materials present in Building 32. Liquid samples collected in 1992 from the Electroplating Shop area, revealed elevated levels of cadmium and organic chemicals. As a result, in 1992, the Navy initiated a removal action to dispose of liquid and semi-liquid wastes from the plating shop area (Navy, 2002b).

In 1997, the Navy performed UST removal and closure actions near Building 32. In an agreement with the EPA and RIDEM, the Navy conducted the first phase of the SASE on all of Building 32. This study found low concentrations of degreasing and fuel-related contaminants in the soils under the building. Based on the findings of the Phase 1 SASE, the Navy designated the former Building 32 area as Site 17 in April 2000 (Tetra Tech, 2004c). Site 17 encompasses all of former Building 32 and any contamination emanating from it.

Building 32 was demolished in 2001 to the slab elevation, along with other unused buildings at Gould Island due to the deteriorated condition of the structure and the potential safety threat it caused. PCB contamination was found in some of the concrete floors and soils of the transformer vaults and the switch house following the demolition. Remedial activities to remove PCB-contaminated soil and concrete were completed in 2002. Based on sampling results, materials were disposed off-site as Toxic Substances Control Act (TSCA)-regulated waste. Confirmatory samples were collected and the remediation activities were completed in September 2003 (Navy, 2002b).

An RI was conducted between May and September 2005 to determine the nature and extent of contamination associated with the past use and disposal of chemicals and chemical wastes at the site. RI field efforts included the collection of the following samples: soil samples from borings and test pits, groundwater samples from monitoring wells and bedrock fracture zones, sediment samples from intertidal and subtidal areas, biota samples (clams and mussels), aquatic samples from standing water in test pits and underground utilities, soil and sludge samples from underground utilities, and concrete samples. Elevated concentrations of various contaminants, including petroleum, metals, semivolatile organic compounds (SVOCs), PAHs, pesticides, and PCBs, were detected at the site (Tetra Tech, 2006d).

A Baseline HHRA was conducted to evaluate exposure to surface soil, subsurface soil, groundwater, sediment, and shellfish. PAHs, PCBs, and metals are present in the intertidal sediment and subtidal shellfish that are predicted to pose risk to humans from future recreational use of the site, as well as current recreational collection and ingestion of shellfish. A screening ERA was conducted to identify chemicals of potential concern (COPCs) to ecological receptors and to determine the necessity for further risk assessment. SVOCs, PAHs, pesticides, PCBs, and metals were present in

the intertidal and subtidal sediments that may pose risks to ecological receptors (Tetra Tech, 2006d).

Based on the findings of the Phase 1 RI, the Navy conducted a Phase 2 RI and Baseline Ecological Risk Assessment (BERA). The Phase 2 RI includes chronic toxicity testing for sediment effects to marine benthic invertebrates and determination of the extent of PCB contamination in sediments of the Stillwater Basin area to the north of the site. Field work began in September 2009, and was completed in October 2010, and the final Phase 2 RI and BERA report was published in May 2012 (Tetra Tech, 2012d). The Feasibility Study for the site was completed in February 2014, followed by the Proposed Plan in March 2014. The ROD was signed on June 30, 2014. The selected remedy for this site as required by the ROD includes soil excavation and off-site disposal; dredging and off-site disposal of marine sediment in the Stillwater Area; limited sediment monitoring at the Northeast Shoreline of the island; MNA of groundwater contaminants; and LUCs to restrict future use of the property to industrial activities and to prohibit groundwater use until groundwater cleanup levels are achieved. A LUC RD was finalized in March 2015. The RD for the soil component of the remedy was finalized in July 2015 and the soil RA is currently in progress. During implementation of the RA in mid-2016, the extent of debris requiring removal from Area 2 was larger than anticipated in the ROD. As such, the team prepared an ESD in September 2016 to document that change. A PDI for sediment was conducted in the fall of 2014 and the results are to be incorporated into the sediment RD. The sediment RD is expected to be finalized in the fall of 2016.

Site Chronology

A list of important Gould Island documents and relevant dates in site chronology is shown below in Table 2-10. The identified events are illustrative, not comprehensive.

Table 2-10
 Chronology of Documents
 Building 32, Gould Island, NAVSTA Newport, RI

Document	Date	AR File Number	AR Site Number
Field Sampling and Analysis Plan for Building 32 and 35 Waste Sampling and Analysis Investigation (Halliburton Nus Corporation)	September 1991	000197	Site 00017
Field Sampling and Analysis Plan for Building 33 and 34 (Halliburton Nus Corporation)	April 1992	000223	Site 00017
Supplemental Site Investigation Report for Building 44 Gould Island (Quad Three Group, Inc.)	January 1997	000795	Site 00017
Final Study Area Screening Evaluation (Tetra Tech Nus, Inc.)	December 2000	001379	Site 00017

Document	Date	AR File Number	AR Site Number
Final Work Plan for Phase 2 PCB Contaminated Soils and Concrete Remediation at Gould Island (Foster Wheeler Environmental Corporation)	August 2002	001543	Site 00017
Final Completion Report for Underground Injection Control for Sump Closure at Former Building 59 at Gould Island (Foster Wheeler Environmental Corporation)	February 2003	001599	Site 00017
Final Project Closeout Report for Gould Island Demolition of Selected Buildings Phase 1, 2 and 3 (Foster Wheeler Environmental Corporation)	June 2003	001653	Site 00017
Final Project Closeout Report for Phase 2 PCB Contaminated Soils and Concrete Remediation (Tetra Tech Nus, Inc.)	October 2004	001837	Site 00017
Remedial Investigation for Site 17 Building 32 Gould Island Volume 1 of 3 Text, Tables and Figures (Tetra Tech Nus, Inc.)	December 2006	002101	Site 00017
Remedial Investigation for Site 17 Building 32 Gould Island Volume 2 of 3 Appendices A – D (Tetra Tech Nus, Inc.)	December 2006	002100	Site 00017
Remedial Investigation for Site 17 Building 32 Gould Island Volume 3 of 3 Appendices E – H (Tetra Tech Nus, Inc.)	December 2006	002099	Site 00017
Final Feasibility Study (Tetra Tech)	February 2014	003073	Site 00017
Final Proposed Plan (Tetra Tech)	March 2014	003074	Site 00017
Record Of Decision (NAVFAC MIDLANT)	June 2014	003145	Site 00017
Final Land Use Control Remedial Design (Tetra Tech)	March 2015	003420	Site 00017
Final Soil/Debris Remedial Design (Tetra Tech Inc.)	July 2015	003409	Site 00017
Final Remedial Action Work Plan (Tetra Tech Ec)	March 2016	003538	Site 00017
Explanation of Significant Differences (ESD) (Resolution Consultants)	September 2016	Pending	Pending

CERCLA Path Forward

There have been remedial actions recently initiated under CERCLA at Gould Island. The CERCLA path forward for Gould Island is as follows:

- Complete soil excavation and debris removal RA in 2016
- Initiate groundwater LTM program in 2016
- Complete sediment RD in 2016
- Implement sediment RA in 2017

- Conduct annual LUC inspections
- Include in five-year review in 2019

2.11 Site 19 – Derecktor Shipyard – On-shore (OU 12)

The Former Derecktor Shipyard, is located at Coddington Cove in the central portion of NAVSTA Newport, as illustrated on Figure 12 in Appendix C, and occupies land within both Middletown and Newport. It is composed of approximately 41 acres of shoreline land and improvements (OU12) and the adjacent deep water industrial port in Coddington Cove (OU5) that were formerly leased to Robert E. Derecktor Shipyards of Rhode Island, Inc. (Derecktor, Inc.)

The On-Shore Derecktor Shipyard (OU12) is bounded to the east and south by Defense Highway, to the north by Pier 2, and to the west by Narragansett Bay (including Site 19 – Off-shore Derecktor Shipyard [OU5]). The site consists of undeveloped areas, relic foundations of former buildings, parking areas, storage areas utilized by the U.S. Coast Guard (USCG) for buoy maintenance, one major building (Building 6), and on-going construction and improvement projects. A paved road provides access to the central and northern portions of the site from Defense Highway. Site 19 formerly included both the on-shore portion (OU12) and the off-shore portion (OU 5); however during the FS process, described below, the decision was made to split Site 19 into two sites.

CERCLA Response Actions

A PA was completed by the Navy in May 1993, when the tenant, Robert E. Derecktor Shipyards, departed. Based on the findings of the PA, the Derecktor Shipyard, both OU 12 and OU 5, were added to the FFA list of sites as a study area (Tetra Tech, 2004d). The Navy undertook a series of short-term actions to significantly reduce the potential for contamination to pose a health or environmental risk and migrate beyond its current location. These actions included: removing contaminant-filled drums and containers and sandblast grit; excavating and removing above ground and underground storage tanks; locating storm drain systems; and cleaning interiors of remaining buildings to ensure the safety of personnel conducting additional studies (Navy, 2002e).

An SASE was completed in June 1997. The SASE report concluded that the site contained small pockets of soil contamination but that overall human health and ecological risks were not substantial as long as the property remained industrial. Based on the SASE, the status was changed from a “Study Area” to a “Site”. The Navy implemented the recommendations for onshore restorations, including removal of soil hot spots, removal of an underground septic vault, and demolition of some of the deteriorating buildings. It was the recommendation of the SASE to conduct these removal actions so to address risk so that a NFA or a limited remedial action could be implemented.

In March 2011, additional on-shore sampling was conducted at the request of the EPA to update the data on the groundwater conditions and to evaluate risks to future indoor air. The Navy agreed to conduct additional evaluations because new buildings are planned for construction at the north end of the site. Data was collected in early 2011 and a Final SASE Addendum report was completed in January 2013 to address this potential data gap. The SASE satisfied the RI requirements. A final FS for the on-shore portions of the site was completed in May 2014 and a ROD was issued in September 2014. The selected remedy as specified in the ROD includes additional pre-RD soil sampling to assess potential site contamination within the Northern Area that may have resulted from construction activities; short-term protective measures to restrict exposure to ACM in debris/soil and potentially contaminated sediment until removed from the site (containment, management of erosion, and storm water runoff); maintenance or rehabilitation of existing cover material or installation and maintenance of a new 6-inch thick soil cover; MNA groundwater monitoring; and LUCs and O&M to ensure that future use is limited to industrial activities and to protect the components of the soil and groundwater remedies. Additionally, short-term LUCs were implemented for the Northern Area, which include maintenance of the existing fencing and restriction of unauthorized excavation of soils in the Northern Area. The Soil RD was finalized in August 2015, and the soil RA construction which began in December 2015 is expected to be completed in late 2017. The LUC RD was completed in March 2016 and the Soil RAWP was finalized May 2016. In mid-2016, the team recognized that the adjacent Site 4, Coddington Cove Rubble Fill Area (CCRF) exhibited similar groundwater impacts that could be efficiently addressed by incorporating Site 4 groundwater into the Site 19 groundwater LTM program. As such, the team prepared an ESD to document that decision in September 2016. Refer to the subsection below for further details.

Incorporation of Site 4

The final SASE report for Site 4 CCRF was finalized in April 2014 concluding that NFA was required for soil (including rubble fill), sediment, and surface water media. However, the final SASE report did recommend further study of five metals in groundwater (arsenic, chromium, cobalt, iron, and manganese) that could pose potential risks in the event of future groundwater ingestion. In parallel with finalizing the SASE report, a network of 10 monitoring wells on Site 4 was sampled in February 2014 and as requested by EPA and RIDEM, sampled again in June 2015 with results incorporated into the Final Supplemental Groundwater Evaluation Report in April 2016. It was concluded that the five metals that pose potential risks in groundwater are consistent with the natural geochemical properties and conditions in the area, and are not solely attributable to rubble fill at the CCRF. However, since the arsenic levels exceeded the federal drinking water maximum contaminant level (MCL) during multiple sampling events, it required a response action. As a result, the Site 4 area will be incorporated into the groundwater response actions for Site 19, which is adjacent to Site 4

and currently undergoing response actions for groundwater and other media. The Navy has finalized an ESD to expand the Site 19 groundwater response actions to integrate the Site 4 area. The Navy is also preparing a revised Site 19 LUC RD and LTM Plan to incorporate the additional area.

Site Chronology

A list of important Derecktor Shipyard on-shore (OU12) documents and relevant dates in site chronology is shown below in Table 2-11. The identified events are illustrative, not comprehensive.

Table 2-11
 Chronology of Documents
 Derecktor Shipyard On-shore (OU12), NAVSTA Newport, RI

Document	Date	AR File Number	AR Site Number
Work Plan for On-Shore Site Assessment Screening Evaluation (Halliburton Nus Corporation)	February 1995	000522	Site 00019
Work Plan for On-Shore Site Assessment Screening Evaluation	April 1996	000703	Site 00019
Site Assessment Screening Evaluation Report Former Robert E. Derecktor Shipyard Volume I Text, Tables and Figures (Brown & Root Environmental)	January 1997	000794	Site 00019
Final Derecktor Shipyard Marine Ecological Risk Assessment Report Technical Report and Appendices A-E (Brown & Root Environmental)	May 1997	000827	Site 00019
Final Site Assessment Screening Evaluation (Brown & Root Environmental)	June 1997	000882	Site 00019
Feasibility Study for Former Robert E. Derecktor Shipyard (Tetra Tech Nus, Inc.)	July 1999	001247	Site 00019
Final Remedial Action Report for Various Removal Actions at the Derecktor Shipyard And Miscellaneous Investigations (Foster Wheeler Environmental Corporation)	July 2002	001538	Site 00019
Final Closeout Report for Sand Blast Grit Removal at Derecktor Shipyard (Tetra Tech)	June 2005	001934	Site 00019
Feasibility Study Revision 1 for Former Robert E. Derecktor Shipyard (Tetra Tech)	March 2007	002123	Site 00019
Final Non-Time Critical Removal Action Work Plan for Derecktor Shipyard Sandblast Grit Impacted Area (NAVFAC Northeast)	June 2007	002151	Site 00019
Final Removal Action Completion Report for Sandblast Grit Removal at Derecktor Shipyard (Tetra Tech)	March 2008	002188	Site 00019
Final Study Area Screening Evaluation (Tetra Tech)	January 2013	002727, 002724	Site 00019

Document	Date	AR File Number	AR Site Number
Land Use Control Remedial Design (Tetra Tech)	March 2013	003535	Site 00019
Proposed Plan Site 19 On-Shore Derecktor Shipyard Operable Unit 12 (OU 12) (US Navy)	May 2014	003099	Site 00019
Final Feasibility Study Site 19 On-Shore Derecktor Shipyard (Tetra Tech)	May 2014	003101	Site 00019
Record Of Decision Site 19 On Shore Derecktor Shipyard Soil And Groundwater (Tetra Tech)	September 2014	003183	Site 00019
Final Soil Remedial Design (Tetra Tech)	September 2015	Not Available	Not Available
Land Use Control Remedial Design (Tetra Tech)	March 2016	003535	Site 00019
Final Remedial Action Work Plan Site 19 Former Derecktor Shipyard Soil Remedial Action (Tetra Tech)	May 2016	003546	Site 00019
Explanation of Significant Differences (ESD) (Resolution Consultants)	September 2016	Pending	Pending

CERCLA Path Forward

There have been no remedial actions under CERCLA at Derecktor Shipyard. The CERCLA path forward for Derecktor Shipyard on-shore (OU12) is currently planned as follows:

- Complete soil cover RA in 2017
- Implement groundwater LTM program in 2017
- Conduct annual LUC inspections
- Include in five-year review in 2019

2.12 Site 19 – Derecktor Shipyard – Off-shore (OU 5)

The Former Derecktor Shipyard, is located at Coddington Cove in the central portion of NAVSTA Newport, as illustrated on Figure 13 in Appendix C, and occupies land within both Middletown and Newport. It is composed of approximately 41 acres of shoreline land and improvements (OU12) and the adjacent deep water industrial port in Coddington Cove (OU5) that were formerly leased to Robert E. Derecktor Shipyards of Rhode Island, Inc. Physical features of the industrial port include two piers, each extending approximately 1,500 feet into Coddington Cove; an "L"-shaped stone breakwater; and a T-wharf, formerly housing Building A18, that extends approximately 800 feet into the cove. Together, the breakwater and T-wharf form a protected small-boat anchorage south

of Piers 1 and 2. A sheet pile wall defines the shoreline along the shipyard property, deep water port area, and T-wharf. The two 1,500-foot-long piers are constructed of concrete decking supported by concrete piles with steel jackets. The eastern shoreline of Coddington Cove, along and north of the Former Derecktor Shipyard property, is approximately 3,200 feet long. Coddington Cove covers approximately 400 acres, and OU5, the off-shore investigation area of Site 19, measures approximately 110 acres. Site 19 formerly included both the on-shore portion (OU12) and the off-shore portion (OU 5); however during the FS process, described below, the decision was made to split Site 19 into two sites.

CERCLA Response Actions

A Preliminary Assessment (PA) was completed by the Navy in May 1993, when the tenant, Robert E. Derecktor Shipyards, departed. Based on the findings of the PA, the Derecktor Shipyard was added to the FFA list of sites as a study area (Tetra Tech, 2004d).

In 1997, NAVSTA Newport conducted a marine ERA and HHRA on the site to quantify how contaminants present in Narragansett Bay sediments might be affecting plants and marine life, as well as fishermen collecting lobster and shellfish from the site (Navy, 2002e). Results the Marine ERA indicated potentially unacceptable risks present at the site due to contamination in sediment (SAIC and URI, 1997). These data were also used in an HHRA that indicated unacceptable risks to human health through ingestion of shellfish (Tetra Tech NUS, 1998a).

Supplemental sediment sampling was conducted in August 2004 to better understand the nature and extent of contamination in the off-shore marine sediments. Samples were collected to confirm the presence, concentration, and distribution of contaminants previously found in this area, and to identify the source of the hydrocarbon contaminants. The investigation results indicated that concentrations of contaminants in surface sediments had decreased from the values reported in the marine ERA, possibly due to new sedimentation on top of previously sampled substrate. The highest concentrations of contaminants were still primarily located along the shoreline and near the piers, with a decrease in contamination further from shore. An FS was conducted in 1999, and revised in 2007, to incorporate the additional marine sediment data collected in 2004 (Tetra Tech, 2007a).

As the draft final Revised FS was developed for publication in 2010, it became apparent that the data available was inadequate to formulate a remedial decision for the marine sediment at the site. Therefore a data gaps investigation was initiated and a SAP was developed to more thoroughly evaluate horizontal and vertical extent of marine sediment contamination, potential for deposition, and propensity for sediment scouring during normal and extreme conditions. The Supplemental Sediment Investigation was conducted between August and October 2011 and documented in the

Final Supplemental Sediment Investigation Report completed in December 2012 (Tetra Tech, 2012n). Utilizing the findings of the Supplemental Sediment Investigation, remedial alternatives were developed for marine sediment at the site and incorporated into a revised FS (Tetra Tech, 2012m). The Final FS was finalized in May 2014. The ROD was completed in September 2014. The selected remedy as required by the ROD includes additional pre-RD sediment sampling to assess the contaminant re-distribution resulting from disruption of the sea floor by recent construction activities and within the footprint of the recently departed ex-Saratoga; dredging and off-site disposal of sediment at target open water areas with confirmation sampling; installation of a 1-foot thick engineered sand/gravel cap at the sub-pier area with monitoring of the capped area; and implementation of LUCs including 1) short-term LUCs to notify the public that shellfish should not be taken from the OU until the dredging and capping are completed 2) permanent LUCs prohibiting unauthorized disturbance of the cap and to minimize the potential for exposure to asbestos potentially present in dredged sediment through development of documented precautionary measures and safe work practices. The final Sediment RD was completed in October 2015. The Sediment PDI SAP was finalized in March 2015 and the Sediment RAWP was finalized in April 2016.

An inert ceremonial round were recovered and inventoried during the Site 19 RI and an expended 5-inch cartridge case was uncovered during the sediment dredge. A formal notification including an Explosive Safety Submission Determination Request (ESS-DR) was submitted to Naval Ordnance Safety and Security Activity (NOSSA) for review and approval. Based on a review of the reported incidences, NOSSA reported that no Explosive Safety Submission (ESS) was required to perform the remainder of the sediment dredge and concurred that the likelihood of discovering additional MEC was low citing the dummy round used for ceremonial purposes discovered during the Supplemental Sediment Investigation.

Site Chronology

A list of important Derecktor Shipyard Off-shore (OU5) documents and relevant dates in site chronology is shown below in Table 2-12. The identified events are illustrative, not comprehensive.

Table 2-12
 Chronology of Documents
 Derecktor Shipyard Off-shore (OU5), NAVSTA Newport, RI

Document	Date	AR File Number	AR Site Number
Final Derecktor Shipyard Marine Ecological Risk Assessment Report Technical Report And Appendices A-E (Brown & Root Environmental)	May 1997	000827	Site 00019
Site Assessment Screening Evaluation Report	June 1997	000881	Site 00001, Site 00019
Marine Sediment Sampling and Analysis Plan (Tetra Tech)	September 2005	001962	Site 00019
Final Supplemental Sediment Investigation Report Site 19 Former Derecktor Shipyard (Tetra Tech)	December 2012	002722	Site 00019
Data Gaps Investigation Sampling and Analysis Plan Revision 1 for Site 19 Derecktor Shipyard Marine Sediment (Tetra Tech)	August 2011	002432	Site 00019
Final Feasibility Study Site 19 Derecktor Shipyard Marine Sediment (Tetra Tech)	May 2014	003112	Site 00019
Final Proposed Plan Site 19 Derecktor Shipyard Marine Sediment Operable Unit 5 (OU 5) (US Navy)	May 2014	003113	Site 00019
Final Record Of Decision For Site 19 Former Derecktor Shipyard Marine Sediment Operable Unit 5 (OU 5) (Tetra Tech)	September 2014	003185	Site 00019
Sampling And Analysis Plan Addendum For Pre Design Investigation Site 19 Former Derecktor Shipyard Marine Sediment Remedial Design Operable Unit 5 (OU 5) (Tetra Tech)	March 2015	003437	Site 00019
Final Sediment Remedial Design (OU 5) (Tetra Tech)	October 2015	Not Available	Not Available
Land Use Control Remedial Design (Tetra Tech)	March 2016	003535	Site 00019
Final Sediment RAWP (Tetra Tech)	April 2016	Not Available	Not Available

CERCLA Path Forward

There have been no remedial actions under CERCLA at Derecktor Shipyard. The CERCLA path forward for Derecktor Shipyard off-shore (OU5) is currently planned as follows:

- Complete sediment dredge and capping in 2016
- Conduct annual LUC inspections
- Include in five-year review in 2019

2.13 Site 22 – Carr Point Storage Area (OU 10)

Carr Point is located in the Melville South portion of Portsmouth, Rhode Island, approximately four miles north of the main portion of the installation. The Site is bounded on the west by the Narragansett Bay, on the north by picnic grounds, on the east by railroad tracks, and on the south by Gomes Brook. To the east of the railroad tracks are Defense Highway and the former Tank Farm 4, which is located upgradient of the Site.

A portion of Carr Point was formerly a recreational skeet-shooting range. From 1967 to 1973 the former Carr Point Shooting Range was used by Navy personnel and from 1975 to 1989 the facility was used by the Aquidneck Island Military Rod and Gun Club (Malcolm Pirnie, 2005). Small arms (i.e., shotguns) were discharged at moving targets (i.e., clay pigeons) over Narragansett Bay (Malcolm Pirnie, 2005). Prior to being used as a shooting range, the southwest area of Carr Point was reportedly used for materials and drum storage (Tetra Tech, 2009a). In addition, two drain pits and an oil-water separator were historically present at the Site (Tetra Tech, 2009a). Portions of the site have also been used as parking areas and fill areas. Since 1995, a portion of Carr Point has been used as a recreational vehicle camping park (RVCP) and gated storage area for Navy and DOD personnel (Malcolm Pirnie, 2005). Buildings that historically existed at the site included Building 187 (Fire House), Building 212 (Storage), Building 213 (Fire Auxiliary Headquarters), and Building 233 (Club House). Only Building 233 remains on the site today and has been converted to office and storage space for the RV park (Malcolm Pirnie, 2005). MRP Site 1 and Site 22 were formerly one site; however, during the drafting of the SAP, described below, the decision was made to split MRP Site 1 and Site 22 into two sites. A Carr Point Storage Area site plan is included as Figure 14 in Appendix C.

CERCLA Response Actions

In January 2007, five surface soil samples were collected at the site by NAVSTA Newport and were analyzed for TPH, pesticides, PCBs, VOCs, SVOCs, RCRA metals, and total cyanide. TPH and metals were detected at all locations, and PAHs were found at all locations except the northeast corner. PCB Aroclor-1260 was detected at the northwest corner and central locations (Tetra Tech, 2009a).

An SI was conducted at MRP Site 1 and Site 22 in May and June 2009 to identify contaminants that may have been released to the soil, fill, groundwater, and marine sediments. The investigation area included over 5 acres of coastal land and approximately 17 acres of water. The draft SI report, submitted in October 2009, concluded that contaminants present at the site may pose a risk to human health and the environment. PAHs and propellants were found at elevated concentrations in the surface soil at the former firing area (currently the camping area). Lead shotgun pellets remaining from the former shooting range and elevated metals concentrations were found in the

sediment off-shore of the camping area at concentrations exceeding screening criteria. VOCs were detected in soil and groundwater and PCBs were detected in surface soil at the storage area, and are likely to be present as a result of spills or leaks during the use of the area for drum and transformer storage. Two distinct sets of contaminants were found in two distinct areas of the sites that are likely to be present as the result of two different site activities. These sites are distinguished as MRP Site 1 (Carr Point Shooting Range), and Site 22 (Carr Point Storage Area). The SI Report recommended further investigations or remedial actions at both of these locations under the appropriate environmental cleanup programs. An RI Work Plan SAP was originally drafted to include both MRP Site 1 and Site 22 investigations; however, the decision was subsequently made to separate and finalize a SAP for each site separately. The RI Work Plan SAP for Site 22 was finalized in April 2014 and the field effort was completed in late 2014. The RI Report was finalized in September 2015. The draft FS report was completed April 2016 and is expected to be finalized late-2017.

Site Chronology

A list of important Carr Point Storage Area documents and relevant dates in site chronology is shown below in Table 2-13. The identified events are illustrative, not comprehensive.

Table 2-13
Chronology of Documents
Carr Point Storage Area, NAVSTA Newport, RI

Document	Date	AR File Number	AR Site Number
SI Report (Tetra Tech)	May 2010	Not Available	Not Available
Final Sampling and Analysis Plan (Resolution Consultants)	April 2014	003222	Site 00022
Final Remedial Investigation Report (Resolution Consultants)	September 2015	003432	Site 00022

CERCLA Path Forward

There have been no remedial actions under CERCLA at Site 22. The CERCLA path forward for Site 22 is as follows:

- Scope and implement soil and groundwater PDI in 2016
- Complete FS and initiate Proposed Plan in 2017
- Prepare ROD in 2018

- Prepare RD in 2019
- Include in five-year review in 2019
- Implement RA in 2020

2.14 Site 23 – Coddington Point Buried Debris Areas

Coddington Point is a peninsula approximately 153 acres in total size located within a coastal portion of NAVSTA Newport in Newport, Rhode Island. Coddington Cove is located to the north and Coasters Harbor and Coasters Harbor Island are located to the south. The Coddington Point area is currently used for Naval-related education and training, operational and administrative functions, housing, and recreation. A Coddington Point Buried Debris Area site plan is included as Figure 15 in Appendix C.

Coddington Point was purchased by the Navy in 1918, and much of the base organization was transferred to Coddington Point. During World War I, military personnel were housed in tents on Coddington Point. In 1923, approximately 200 buildings, which were part of the emergency war camps established on Coddington Point, were stripped and sold for scrap (NEECS, 1983). Between 1942 and 1943, numerous barracks were constructed on the northern portion of Coddington Point. These barracks were subsequently demolished in the mid/late 1960s to early 1970s. According to one report, it was not an uncommon construction practice to utilize solid debris as fill at the time of the building demolition (Tetra Tech, 2012a).

During various recent construction activities starting in the late 2000s on the northern portions of Coddington Point, areas of buried construction and/or demolition (C&D) debris, including ACM have been encountered in soil. Specifically, buried debris and ACM were identified at the following locations on Coddington Point that were identified as AOCs requiring investigation:

- Naval Supply School (MARDET Building 1112CP)
- Combat Training Pool (Building 1357CP)
- P 451 New OTC Barracks
- Nimitz Field (lighting area)
- Bishop's Rock

A Navy report entitled Sites of Known Buried ACM Rubble (Navy, 2011) was prepared to outline construction projects at which demolition debris and the associated ACM was encountered. This report summarized the nature of ACM and provided the previous and ongoing management

practices taken by the Navy to manage and dispose of the ACM encountered during these project constructions at which buried C&D debris with found during excavation activities.

CERCLA Response Actions

In 2011, the Navy completed a site assessment for the five AOCs on Coddington Point, which was documented in the report entitled Draft Evaluation of Urban Fill, Coddington Point (Tetra Tech, 2012a). The report serves as the SASE for these five AOCs. As part of the assessment, a review of historical documents was conducted to identify historical land uses and activities that may have resulted in a release of a hazardous substance. Field investigation, including geophysical survey and a subsurface drilling program, was also conducted at each AOC in order to conduct visual inspection for potential ACM, document depth of overlaying soil cover, and identify the nature and extent of demolition debris. The report concluded that buried C&D debris, which may contain ACM, is expected to be present within these AOCs, but that there is not current exposure pathway to the buried debris.

The Navy developed a work plan for further field investigation of the five AOCs on Coddington Point to document the depth of overlaying soil cover and to evaluate the presence of asbestos and potential other contaminants of concern that may be associated with C&D debris. The field program was completed in mid-2014 and the Draft RI Report was completed in October 2014. The RI report was finalized in mid-2016. The draft FS Report was completed February 2016 and is expected to be finalized late-2016. Due to the uncertainty associated with the distribution of buried debris and asbestos, the site boundary for Site 23 has been expanded as documented in the FS report.

Site Chronology

A list of important Coddington Point documents and relevant dates in site chronology is shown below in Table 2-14. The identified events are illustrative, not comprehensive.

Table 2-14
Chronology of Documents
Coddington Point Buried Debris Areas, NAVSTA Newport, RI

Document	Date	AR File Number	AR Site Number
Final Remedial Investigation Work Plan Tier II Sampling and Analysis Plan (Resolution Consultants)	January 2014	003298	Site 00023
Final Remedial Investigation Report (Resolution Consultants)	May 2016	Pending	Pending

CERCLA Path Forward

There have been no remedial actions under CERCLA at Coddington Point. The CERCLA path forward for Site 23 is as follows:

- Finalize FS and prepare Proposed Plan in 2017
- Prepare ROD in 2017
- Prepare RD in 2018
- Include in five-year review in 2019
- Implement RA in 2020

2.15 MRP Site 1 – Carr Point Shooting Range (OU 9)

As indicated for Site 22, Carr Point is located in the Melville South portion of Portsmouth, Rhode Island, approximately four miles north of the main portion of the installation. The Site is bounded on the west by the Narragansett Bay, on the north by picnic grounds, on the east by railroad tracks, and on the south by Gomes Brook. To the east of the railroad tracks are Defense Highway and the former Tank Farm 4, which is located upgradient of the Site.

A portion of Carr Point was formerly a recreational skeet-shooting range. From 1967 to 1973 the former Carr Point Shooting Range was used by Navy personnel and from 1975 to 1989 the facility was used by the Aquidneck Island Military Rod and Gun Club (Malcolm Pirnie, 2005). Small arms (i.e., shotguns) were discharged at moving targets (i.e., clay pigeons) over Narragansett Bay (Malcolm Pirnie, 2005). Prior to being used as a shooting range, the southwest area of Carr Point was reportedly used for materials and drum storage (Tetra Tech, 2009a). In addition, two drain pits and an oil-water separator were historically present at the Site (Tetra Tech, 2009a). Portions of the site have also been used as parking areas and fill areas. Since 1995, a portion of Carr Point has been used as a recreational vehicle camping park (RVCP) and gated storage area for Navy and DOD personnel (Malcolm Pirnie, 2005). Buildings that historically existed at the site included Building 187 (Fire House), Building 212 (Storage), Building 213 (Fire Auxiliary Headquarters), and Building 233 (Club House). Only Building 233 remains on the site today and has been converted to office and storage space for the RV park (Malcolm Pirnie, 2005). MRP Site 1 and Site 22 were formerly one site; however, during the drafting of the SAP, described below, the decision was made to spilt MRP Site 1 and Site 22 into two sites. A Carr Point Shooting Range site plan is included as Figure 16 in Appendix C.

A Water Area Munitions Study (WAMS) was conducted for the former Carr Point shooting range area (Malcolm Pirnie, 2005), and included the review of historical records, personal interviews, and

a visual site survey. The WAMS concluded that there are no known or suspected areas with Munitions and Explosives of Concern (MEC), although munitions constituents (MC) are likely to be present at the site (Malcolm Pirnie, 2005). While used as a shooting range, lead shot was fired toward the water from three firing points located along the west side of the site – one firing point at the northern end of the range, a second at the southern end, and a third in between. According to the WAMS report, MC associated with skeet shooting could potentially include “lead, lead styphnate/lead azide, antimony, arsenic, copper, tin, zinc, iron, and PAHs associated with clay targets (Interstate Technology and Regulatory Council, 2003)” (Malcolm Pirnie, 2005).

CERCLA Response Actions

In January 2007, five surface soil samples were collected at the site by NAVSTA Newport and were analyzed for total petroleum hydrocarbon (TPH), pesticides, PCBs, VOCs, SVOCs, RCRA metals, and total cyanide. TPH and metals were detected at all locations, and PAHs were found at all locations except the northeast corner. PCB Aroclor-1260 was detected at the northwest corner and central locations (Tetra Tech, 2009a).

A munitions response program SI was conducted in May and June 2009 to identify contaminants that may have been released to the soil, fill, groundwater, and marine sediments. The investigation area included over 5 acres of coastal land and approximately 17 acres of water. The draft SI report, submitted in October 2009, concluded that contaminants present at the site may pose a risk to human health and the environment. PAHs and propellants were found at elevated concentrations in the surface soil at the former firing area (currently the camping area). Lead shotgun pellets remaining from the former shooting range and elevated metals concentrations were found in the sediment off-shore of the camping area at concentrations exceeding screening criteria. VOCs were detected in soil and groundwater and PCBs were detected in surface soil at the storage area, and are likely to be present as a result of spills or leaks during the use of the area for drum and transformer storage. Two distinct sets of contaminants were found in two distinct areas of the sites that are likely to be present as the result of two different site activities. These sites are distinguished as MRP Site 1 (Carr Point Shooting Range), and Site 22 (Carr Point Storage Area). The SI Report recommended further investigations or remedial actions at both of these locations under the appropriate environmental cleanup programs. As indicated for Site 22, the SAP for the RI field program was separated for Site 22 and MRP Site 1. Subsequently, the field programs and associated reports have been prepared separately, and the Navy anticipates that the remaining phases of the CERCLA process will continue to be conducted separately.

An interim removal action was completed for MRP Site 1 based on the presence of carcinogenic polycyclic aromatic hydrocarbons (cPAHs) in the near-shore soils and proximity to Narragansett

Bay. In 2012, an EE/CA and Action Memorandum were prepared to evaluate and document the decision to conduct a non-time critical removal action (NTCRA). The NTCRA consisted of excavation and removal of contaminated surface soil from the RVCP area as an interim measure to allow seasonal, restricted recreational use of the RVCP, before a more permanent solution can be put in place for MRP Site 1 through the RI/FS process. The soil excavation has been completed and a Removal Action Completion Report was finalized in September 2014. Subsequent to the removal action, the Navy completed an RI field investigation and submitted a Draft RI Report in September 2014. The Final RI Report was issued in April 2015, and the draft FS Report completed in April 2016 is expected to be finalized late-2017.

Site Chronology

A list of important Carr Point documents and relevant dates in site chronology is shown below in Table 2-15. The identified events are illustrative, not comprehensive.

Table 2-15
 Chronology of Documents
 Carr Point Shooting Range, NAVSTA Newport, RI

Document	Date	AR File Number	AR Site Number
Final SI Report (Tetra Tech NUS)	May 2010	002398	UXO 000001
Final Sampling and Analysis Plan (Resolution Consultants)	October 2013	002872	UXO 000001
Final Construction Completion Report Revision 1 Non-Time Critical Removal Action of MRP Site 1 Carr Point Shooting Range Soils (Terranear Pmc)	September 2014	003205	UXO 000001
Final Remedial Investigation Report (Resolution Consultants)	April 2015	003365	UXO 000001

CERCLA Path Forward

The CERCLA path forward for MRP Site 1 is as follows:

- Scope and implement soil and groundwater PDI in 2016/2017
- Finalize FS and initiate Proposed Plan in 2017
- Prepare ROD in 2018
- Prepare RD in 2019

- Implement RA in 2020
- Include in five-year review in 2019

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Appendix A

Major Phases of the CERCLA Process

Appendix A
Major Phases of the CERCLA Process
Site Management Plan, FY2017
NAVSTA Newport, Rhode Island

Phase	Description
Study Area Screening Evaluation (SASE)	<p>Typically, the initial study conducted under CERCLA at a site in response to a real or suspected hazardous substance release is the Preliminary Assessment and Site Inspection (PA/SI). At Federal Facilities, the lead agency (the Navy in the case of NAVSTA Newport) collects the data for the PA/SI. The EPA evaluates the PA/SI data. The PA/SI relies heavily on existing information, and is limited in scope. If the PA/SI identifies sites or study areas as potentially posing a threat to human health or the environment, an RI/FS is conducted.</p> <p>At federal facilities where the responsible federal agency has entered into a FFA with the EPA, the SASE is an alternative to the PA/SI process. The SASE is the mechanism for evaluating whether identified Site Screening Areas (SSAs) should proceed with an RI/FS. SSAs refer to areas not previously identified that may pose a threat, or potential threat, to public health, welfare, or the environment. The SASE considers current CERCLA guidance to determine if there have been releases of hazardous substances, pollutants, or contaminants, to the environment from the SSAs. The SASE Report provides the basis as to whether a site should become an AOC subject to further study through CERCLA RI/FS process. As a result of SSP investigations, Study Areas 8, 17, 19, 20, and 22 were upgraded to AOC status (referred to as "sites").</p>
Remedial Investigation and Feasibility Study (RI/FS)	<p>The RI/FS is the next phase of the CERCLA remedial process and is required for all AOCs. The RI is intended to determine the nature and extent of contamination, potential migration pathways, toxicity and persistence of contaminants, and potential (risk) for adverse impacts to human health or the environment. The FS is intended to develop remedial objectives, identify Applicable or Relevant and Appropriate Requirements (ARARs), develop and screen remedial alternatives, analyze remedial alternatives, and compare the alternatives against the CERCLA criteria (protection of human health and the environment, compliance with ARARS, reduction of toxicity, mobility, or volume through treatment, short-term effectiveness, long-term effectiveness, implementability, cost, state acceptance, and community acceptance).</p> <p>After completion of the RI/FS, a PRAP is completed which outlines the Navy's proposed remedial alternative. The PRAP is released to the public and a formal public comment period is held. Subsequently, a ROD that identifies the preferred remedial alternative(s) is issued. RIDEM has the opportunity to concur on the ROD.</p>

Phase	Description
Removal Action	<p>A removal action may be completed prior to or during the RI/FS to reduce the threat to human health or the environment by removing released hazardous substances or reducing potential exposure pathways. Emergency removal actions are taken when there is an imminent threat to human health or the environment. Time-critical removal actions are taken when a threat to public health or welfare of the environment exists and it is determined that less than six months exist before on-site removal activity must be initiated. Non-time-critical removal actions are those actions where a planning period of at least six months exists before on-site activities to reduce the threat to human health or the environment exists.</p> <p>In order to select the best remedial alternative for non-time-critical removal actions an Engineering Evaluation/Cost Analysis (EE/CA) is prepared. Unlike the FS, the EE/CA focuses only on the material or the risk to be removed and does not use the full CERCLA criteria. Both time-critical and non-time critical removal actions require that a public comment period be held in order that the public be afforded an opportunity to comment on the removal.</p> <p>Subsequent to a removal action, the FS may conclude that no further action is required to reduce the threat to human health and the environment. In this case, an NFA ROD would be issued and the CERCLA remedial process would be concluded.</p>
Interim Remedial Action	<p>An interim remedial action may be completed prior to or during the RI/FS to reduce the threat to human health or the environment by removing released hazardous substances or reducing potential exposure pathways. In order to select the best remedial alternative for an interim remedial action, a focused FS may be prepared. An interim action must be consistent with the anticipated long-term remedial action. An interim ROD is issued and interim remedial design and remedial action activities are initiated.</p>
Remedial Design and Remedial Action (RD/RA)	<p>The ROD establishes the scope of the RA. The RD often proceeds in a stepped process and addresses detailed design issues not addressed during the FS. The RA involves implementation of the RD. The FFA establishes a process for developing an RD/RA schedule.</p>
Five Year Review	<p>Five-year reviews generally are required when hazardous substances remain on site above levels that do not permit unlimited use and unrestricted exposure. Five-year reviews provide an opportunity to evaluate the implementation and performance of a remedy to determine whether it remains protective of human health and the environment.</p>

Phase	Description
Response Complete (RC)/ Remedy in Place (RIP)	The RIP milestone signifies the completion of the remedial action construction phase and that the remedy has been implemented and has been demonstrated to be functioning as designed. RC is the point at which the remedy has achieved the required reduction in risk to human health and the environment (cleanup goals have been met). RC is followed by site closeout. Once all RCs and RIPs have been documented for every site at the facility and the terms of the FFA have been met, site closeout and NPL deletion is completed.

Appendix B

Site Schedules

Site Schedule
 Site 1 - McAllister Point Landfill
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
GW LTM 2012 Report		
Internal Draft	--	
Receive Navy Comments	--	
Draft	--	
Receive Agency Comments	--	
Navy RTC to Agencies	--	
Draft Final	--	
Concurrence	--	7/28/2014
Final	--	8/20/2014
GW LTM 2013 Report		
Internal Draft	--	
Receive Navy Comments	--	
Draft	--	
Receive Agency Comments	--	
Draft Final to Navy	--	9/1/2014
Draft Final	--	10/3/2014
Internal Draft RTCs and RLSO "Final"	--	1/30/2015
Draft RTCs and RLSO "Final"	7	2/17/2015
Concurrence	14	3/3/2015
Final	14	3/16/2015
Expanded 2013 Data Analysis		
Internal Draft		12/19/2014
Draft		1/16/2015
O&M/LTM Actions 2015		
Abandon Well	--	7/22/2015
Add Stickers to Vents with High Gas Levels	--	NA
GW LTM 2014 Report		
Internal Draft	--	3/18/2015
Receive Navy Comments	14	--
Draft	7	3/27/2015
Receive Agency Comments	30	5/21/2015
Comment Responses	--	10/20/2015
Concurrence	14	11/3/2015
Final	--	12/18/2015
GW LTM 2015		
Start field program	--	6/1/2015
Complete field program	120	9/29/2015
GW LTM 2015 Report		
Internal Draft	--	12/17/2015
Receive Navy Comments	14	2/16/2016
Draft	27	3/22/2016
Receive EPA Comments	21	7/25/2016
Receive RIDEM Comments	21	8/29/2016
Navy RTC to Agencies	21	9/19/2016
Draft Final	21	10/10/2016
Agency Concurrence	14	10/24/2016
Final	14	11/7/2016

Site Schedule

Site 1 - McAllister Point Landfill
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
2016 PCMM Plan		
Review 2015 LTM Results	--	
Internal Draft	--	9/2/2015
Receive Navy Comments	30	10/27/2015
Draft	--	12/14/2015
Receive EPA Comments	31	3/3/2016
Receive RIDEM Comments	31	3/16/2016
Navy Call to Discuss Draft Comments		4/14/2016
Team Call to Discuss Draft Comments		5/6/2016
Navy RTC to Agencies		6/8/2016
Draft Final		6/12/2016
Receive EPA Draft Final PCMM Comments		6/27/2016
Receive EPA Draft Final SAP Comments		7/13/2016
Team Call to Discuss Draft Final Comments		8/3/2016
Receive RIDEM Draft Final PCMM/SAP Comments		8/29/2016
Navy RTC and RLSO to Agencies	--	9/1/2016
Receive EPA RLSO Draft Final Comments		9/19/2016
Team Call to Discuss RLSO Draft Final Comment		9/29/2016
Agency Concurrence	7	10/6/2016
Final	7	10/13/2016
2016 PCMM SAP		
Review 2015 GW LTM Results	--	
Internal Draft	--	9/2/2015
Receive Navy Comments	30	10/2/2015
Draft	--	12/14/2015
Receive EPA Comments	31	3/3/2016
Receive RIDEM Comments	31	3/16/2016
Navy Call to Discuss Draft Comments		4/14/2016
Team Call to Discuss Draft Comments		5/6/2016
Navy RTC to Agencies		6/8/2016
Draft Final		6/12/2016
Receive EPA Draft Final PCMM Comments		6/27/2016
Receive EPA Draft Final SAP Comments		7/13/2016
Team Call to Discuss Draft Final Comments		8/3/2016
Receive RIDEM Draft Final PCMM/SAP Comments		8/29/2016
Navy RTC and RLSO to Agencies	--	9/1/2016
Receive EPA RLSO Draft Final Comments		9/19/2016
Team Call to Discuss RLSO Draft Final Comment		9/29/2016
Agency Concurrence	7	10/6/2016
Final	7	10/13/2016
2016 PCMM HASP		
Internal Draft	--	7/14/2016
Internal Final	7	7/21/2016
2016 PCMM Implementation		
Start field program	60	6/27/2016
Complete field program	150	11/24/2016

Site Schedule
 Site 1 - McAllister Point Landfill
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
2016 PCMM Report		
Internal Draft	30	12/24/2016
Receive Navy Comments	14	1/7/2017
Draft	14	1/21/2017
Receive Agency Comments	45	3/7/2017
Navy RTC to Agencies	45	4/21/2017
Draft Final	45	6/5/2017
Agency Concurrence	30	7/5/2017
Final	30	8/4/2017
GW LTM 2017 SAP Mod and HASP		
Internal Draft	--	3/1/2017
Internal Final	60	4/30/2017
GW LTM 2017		
Start field program	60	6/1/2017
Complete field program	60	7/31/2017
GW LTM 2017 Report		
Internal Draft	90	10/29/2017
Receive Navy Comments	14	11/12/2017
Draft	14	11/26/2017
Receive EPA Comments	45	1/10/2018
Receive RIDEM Comments	45	1/10/2018
Navy RTC to Agencies	45	2/24/2018
Draft Final	45	4/10/2018
Agency Concurrence	30	5/10/2018
Final	30	6/9/2018
GW LTM 2018		
Start field program	60	6/1/2018
Complete field program	60	7/31/2018
GW LTM 2018 Report		
Internal Draft	90	10/29/2018
Receive Navy Comments	14	11/12/2018
Draft	14	11/26/2018
Receive EPA Comments	45	1/10/2019
Receive RIDEM Comments	45	1/10/2019
Navy RTC to Agencies	45	2/24/2019
Draft Final	45	4/10/2019
Agency Concurrence	30	5/10/2019
Final	30	6/9/2019

Site Schedule
 Site 8 - NUSC
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
ROD		
Final	--	9/30/2012
Signature	--	9/30/2012
Asbestos ESD		
Internal Draft	--	8/15/2014
Receive Navy Comments	14	8/29/2014
Draft	14	9/22/2014
Receive Agency Comments	45	11/11/2014
Navy RTC to Agencies	45	--
Draft Final	45	11/1/2014
Concurrence	30	11/7/2014
Final	30	11/13/2014
LUC RD		
Final	--	--
Soil RDWP		
Final	--	--
Soil RD		
Final (100%)	--	1/17/2014
Soil RAWP		
Final	--	--
Soil RA HASP		
Internal Final	--	--
GW/Sediment PDI SAP		
Initial Worksheets (10, 11 & 17)	--	--
Navy Comments	--	--
Internal Draft	14	5/7/2014
Navy Comments	14	7/28/2014
Draft	--	8/28/2014
Receive Agency Comments	--	9/23/2014
Navy RTC to Agencies	--	--
Agency Concurrence	--	10/17/2014
Final	--	10/31/2014
GW/Sediment PDI HASP		
Internal Draft	--	--
Internal Final	--	--
GW/Sediment PDI Field Investigation		
Mobilization	30	11/6/2014
Field Program	60	3/20/2015
Analysis, Validation, Evaluation	60	5/19/2015
GW/Sediment PDI Results		
Internal Draft	30	6/18/2015
Navy Review	14	7/2/2015
Final	--	--
GW/Sediment RD		
Internal Draft	60	--

Site Schedule
 Site 8 - NUSC
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Navy Review	14	--
Draft (60%)	14	3/26/2014
Agency Comments	45	5/28/2014
Navy RTC to Agencies	45	8/20/2014
Second Round of RTCs	--	9/24/2014
Draft Final (85%)	--	10/13/2015
EPA Continued Review	--	2/1/2016
Navy Discussion of RTCs	--	3/18/2016
Deferred to Complete Soil Excavation RA	--	7/19/2016
RLSO Draft Final and RTC	--	9/7/2016
Agency Concurrence	23	9/30/2016
Final (100%)	7	10/7/2016
GW RAWP		
Internal Draft	--	10/7/2016
Navy Review	14	10/21/2016
Draft	14	11/4/2016
Receive EPA Comments	30	12/4/2016
Receive RIDEM Comments	30	12/4/2016
Navy RTC to Agencies	30	1/3/2017
Draft Final	30	2/2/2017
Agency Concurrence	30	3/4/2017
Final	30	4/3/2017
GW RA HASP		
Internal Draft	30	10/7/2016
Internal Final	60	12/6/2016
GW Bench Scale Tech Memo		
Internal Draft	30	2/2/2017
Navy Review	30	3/4/2017
Draft	14	3/18/2017
Receive EPA Comments	14	4/1/2017
Receive RIDEM Comments	45	5/16/2017
Navy RTC to Agencies	45	6/30/2017
Draft Final	45	8/14/2017
Agency Concurrence	30	9/13/2017
Final	30	10/13/2017
GW RA Construction		
Start Construction	90	11/12/2017
Complete Construction	180	5/11/2018
GW RA CCR		
Internal Draft	60	7/10/2018
Navy Review	14	7/24/2018
Draft	14	8/7/2018
Receive EPA Comments	30	9/6/2018
Receive RIDEM Comments	30	9/6/2018
Navy RTC to Agencies	30	10/6/2018

Deliverable Description	Timeframe	Date
Agency Concurrence	30	11/5/2018
Final	30	12/5/2018
Sediment Dredge RAWP		
Internal Draft	--	4/14/2017
Navy Review	14	4/28/2017
Draft	14	5/12/2017
Receive EPA Comments	30	6/11/2017
Receive RIDEM Comments	30	6/11/2017
Navy RTC to Agencies	30	7/11/2017
Draft Final	30	8/10/2017
Discussion	30	9/9/2017
Final	30	10/9/2017
Sediment Dredge RA HASP		
Internal Draft	--	4/14/2017
Internal Final	90	7/13/2017
Sediment Dredge Bench Scale Tech Memo		
Internal Draft	30	8/10/2017
Navy Review	30	9/9/2017
Draft	14	9/23/2017
Receive EPA Comments	14	10/7/2017
Receive RIDEM Comments	45	11/21/2017
Navy RTC to Agencies	45	1/5/2018
Draft Final	45	2/19/2018
Agency Concurrence	30	3/21/2018
Final	30	4/20/2018
Sediment Dredge RA Construction		
Start Construction	60	4/20/2018
Complete Construction	180	10/17/2018
Sediment Dredge RA CCR		
Internal Draft	60	12/16/2018
Navy Review	14	12/30/2018
Draft	14	1/13/2019
Receive EPA Comments	30	2/12/2019
Receive RIDEM Comments	30	2/12/2019
Navy RTCs to Agencies	30	3/14/2019
Agency Concurrence	30	4/13/2019
Final	30	5/13/2019
Soil Excavation RA		
Start Construction	--	12/14/2013
Complete Excavation	--	4/30/2015
Team Initiated CCR	--	6/15/2016
Team Decision to Defer CCR for Further Sampling	--	7/20/2016
Team Discussion of Sampling Scope	--	8/3/2016
Additional Confirmatory Sampling	--	10/31/2016
Soil Excavation RA CCR		

Site Schedule
 Site 8 - NUSC
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Internal Draft	--	8/15/2015
Navy Review	14	8/29/2015
Draft	14	9/12/2015
Agency Comments	14	9/26/2015
Navy RTC to Agencies	--	2/18/2016
Team Decision to Defer CCR for Further Sampling	--	7/20/2016
Revised Draft CCR	--	10/30/2016
Agency Concurrence	14	11/13/2016
Final	17	11/30/2016
Soil Excavation RA Confirmatory Sampling TM		
Internal Draft	60	12/30/2016
Navy Review	14	1/13/2017
Draft	14	1/27/2017
Agency Comments	30	2/26/2017
Navy RTC to Agencies	30	3/28/2017
EPA Concurrence	30	4/27/2017
RIDEM Concurrence	--	4/27/2017
Final	30	5/27/2017
Soil Cap RA Construction		
Start Construction (Soil and asphalt cap, site rest)	90	1/15/2019
Complete Construction	120	5/15/2019
Soil Cap RA CCR		
Internal Draft	60	7/14/2019
Navy Review	14	7/28/2019
Draft	14	8/11/2019
Receive EPA Comments	30	9/10/2019
Receive RIDEM Comments	30	9/10/2019
Navy RTC to Agencies	30	10/10/2019
Agency Concurrence	30	11/9/2019
Final	30	12/9/2019
RACR		
Internal Draft	30	1/8/2020
Receive Navy Comments	14	1/22/2020
Draft	16	2/7/2020
Receive EPA Comments	45	3/23/2020
Receive RIDEM Comments	45	3/23/2020
Navy RTC to Agencies	45	5/7/2020
Draft Final	45	6/21/2020
Agency Concurrence	30	7/21/2020
Final	30	8/20/2020
Revised LUC RD		
Internal Draft	30	1/8/2020
Receive Navy Comments	14	1/22/2020
Draft	16	2/7/2020
Receive EPA Comments	45	3/23/2020

Site Schedule
 Site 8 - NUSC
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Receive RIDEM Comments	45	3/23/2020
Navy RTC to Agencies	45	5/7/2020
Draft Final	45	6/21/2020
EPA Concurrence	30	7/21/2020
RIDEM Concurrence	30	7/21/2020
Final	30	8/20/2020
GW LTM Plan		
Internal Draft	60	2/7/2020
Receive Navy Comments	14	2/21/2020
Draft	14	3/6/2020
Receive EPA Comments	45	4/20/2020
Receive RIDEM Comments	45	4/20/2020
Navy RTC to Agencies	45	6/4/2020
Draft Final	45	7/19/2020
Agency Concurrence	30	8/18/2020
Final	30	9/17/2020
GW LTM HASP		
Internal Draft	60	11/16/2020
Internal Final	60	9/17/2020
GW LTM Year 1		
Start field program	60	11/16/2020
Complete field program	60	1/15/2021
GW LTM Year 1 Report		
Internal Draft	90	4/15/2021
Receive Navy Comments	14	4/29/2021
Draft	14	5/13/2021
Receive EPA Comments	45	6/27/2021
Receive RIDEM Comments	45	6/27/2021
Navy RTC to Agencies	45	8/11/2021
Draft Final	45	9/25/2021
Agency Concurrence	30	10/25/2021
Final	30	11/24/2021

Deliverable Description	Timeframe	Date
CCR		
Final	--	--
RACR		
Internal Draft	60	--
Receive Navy Comments	14	--
Draft	14	6/30/2014
Receive Agency Comments	45	7/30/2014
Navy RTC to Agencies	30	8/8/2014
Draft Final	15	8/23/2014
Concurrence	15	9/7/2014
Final	15	9/19/2014
LTM Plan		
Internal Draft	60	--
Receive Navy Comments	14	--
Draft	14	--
Receive Agency Comments	45	--
Navy RTC to Agencies	45	--
Draft Final	45	4/15/2014
Concurrence	14	8/15/2014
Final	--	9/12/2014
Baseline LTM HASP		
Internal Draft	--	9/1/2014
Internal Final	--	9/1/2014
Baseline LTM		
Start field program	--	9/1/2014
Complete field program	--	10/3/2014
Baseline LUC Inspection		
Field Inspection	--	10/3/2014
Internal Draft Report	--	--
Receive Navy Comments	--	--
Final Report	--	--
Baseline GW, Sediment, LUC Inspection Report		
Internal Draft	--	1/26/2015
Receive Navy Comments	14	2/9/2015
Draft	7	2/16/2015
Receive Agency Comments	30	3/27/2015
RTCs	--	8/21/2015
Concurrence	--	8/21/2015
Final	--	9/23/2015
GW LTM 2015 SAP Mod and HASP		
Internal Draft	--	3/15/2015
Internal Final	30	4/14/2015
LTM 2015 Spring		
Start field program	14	4/28/2015
Complete field program	7	5/5/2015
LTM 2015 Fall		

Site Schedule
 Site 9 - OFFTA
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Start field program	--	4/1/2015
Complete field program	175	9/23/2015
LTM 2015 Report		
Internal Draft	45	11/7/2015
Receive Navy Comments	14	11/21/2015
Draft	--	1/7/2016
Receive EPA Comments	30	2/10/2016
Receive RIDEM Comments	30	2/12/2016
Navy RTC to Agencies	7	4/1/2016
Agency Concurrence	7	4/1/2016
Final	7	4/1/2016
GW LTM 2016 SAP Mod and HASP		
Internal Draft	--	--
Internal Final	--	--
LTM 2016 Spring		
Start field program	14	4/25/2016
Complete field program	60	4/25/2016
LTM 2016 Fall		
Start field program	--	9/15/2016
Complete field program	30	10/15/2016
LTM 2016 Report		
Internal Draft	45	11/29/2016
Receive Navy Comments	21	12/20/2016
Draft	14	1/3/2017
Receive EPA Comments	21	1/24/2017
Receive RIDEM Comments	21	1/24/2017
Navy RTC to Agencies	14	2/7/2017
Agency Concurrence	21	2/28/2017
Final	14	3/14/2017
GW LTM 2017 SAP Mod and HASP		
Internal Draft	--	3/15/2017
Internal Final	30	4/14/2017
LTM 2017 Spring		
Start field program	14	4/28/2017
Complete field program	175	10/20/2017
LTM 2017 Fall		
Start field program	--	9/1/2017
Complete field program	30	10/1/2017
LTM 2017 Report		
Internal Draft	45	11/15/2017
Receive Navy Comments	21	12/6/2017
Draft	14	12/20/2017
Receive EPA Comments	21	1/10/2018
Receive RIDEM Comments	21	1/10/2018
Navy RTC to Agencies	14	1/24/2018
Agency Concurrence	21	2/14/2018
Final	14	2/28/2018

Site Schedule

Site 7 - Tank Farm 1, DU 1-1, 1-2, 1-3

NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
DGA SAP		
Final	--	7/30/2012
DGA Report		
Internal Draft	30	--
Navy Review	14	--
Draft	14	--
Agency Comments	45	--
Navy RTC to Agencies	45	--
Draft Final	45	--
Agency Approval of Revised Step 3A Results	--	--
Agency Concurrence on DGA Report	--	--
Final	30	12/15/2014
Dispute Area Tech Memo		
Draft	--	1/15/2016
Receive EPA Comments	45	2/22/2016
Receive RIDEM Comments	--	4/26/2016
Navy RTC to Agencies	45	6/3/2016
Draft Final	30	--
Agency Concurrence	14	--
Final	14	6/3/2016
Soil FS		
RAA	--	8/15/2014
Internal Draft	60	8/29/2014
Navy Review	14	9/12/2014
Draft	14	10/3/2014
Agency Comments	45	11/17/2014
Navy RTC to Agencies	37	12/23/2014
Draft Final	24	3/3/2015
Team Comment Resolution	--	3/15/2015
Team Comment Resolution	--	5/17/2015
Team Comment Resolution	--	7/19/2015
Revised Draft Final (Soil Only)	--	8/14/2015
Agency Concurrence	--	10/30/2015
RLSO Draft Final w/RTCs	--	11/6/2015
Agency Concurrence	--	12/3/2015
Final	--	12/11/2015
Soil PDI SAP Scoping		
Internal Scoping Table	--	--
Navy Review and Discussion	--	--
Tier I Scoping Session	7	3/17/2015

Site Schedule

Site 7 - Tank Farm 1, DU 1-1, 1-2, 1-3

NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Soil PDI SAP		
Preview of Internal Draft	--	4/30/2015
Internal Draft	--	5/12/2015
Navy Comments	--	7/23/2015
Draft	--	8/5/2015
Agency Comments	45	9/29/2015
Navy RTC to Agencies	30	10/29/2015
Agency Concurrence	7	12/4/2015
Final	--	11/15/2016
Soil PDI HASP		
Internal Draft	30	1/8/2016
Internal Final	14	1/20/2016
Soil PDI Field Investigation		
Mobilization	--	3/1/2016
Field Program - 1st round	30	4/4/2016
Field Program - 2nd round	45	5/12/2016
Discussed Approach with Navy RPM	--	7/1/2016
Team Discussion - 2nd round results	--	7/20/2016
Agency Approval - 3rd round sampling	--	8/3/2016
Received RIDEM Approval re NLEB	--	8/10/2016
Field Program - 3rd round	--	8/18/2016
Analysis, Validation, Evaluation	60	10/17/2016
Soil PDI Results Tech Memo		
Internal Draft	14	10/31/2016
Navy Review	14	11/14/2016
Draft	21	12/5/2016
Receive EPA Comments	30	1/4/2017
Receive RIDEM Comments	30	1/4/2017
RTCs and Agency Concurrence	30	2/3/2017
Final	30	3/5/2017

Site Schedule

Site 7 - Tank Farm 1, DU 1-1, 1-2, 1-3

NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Soil Proposed Plan		
Internal Draft	--	3/12/2015
Navy Review	21	4/2/2015
Revised Draft (Soil Only)	--	5/13/2015
Agency Placed PP on Hold re GW	49	--
Agency Concurred to Proceed w PP	--	12/3/2015
Navy Legal Review	21	--
Revised Draft to Agencies	14	12/16/2015
Receive EPA Comments	45	2/3/2016
Receive RIDEM Comments	45	2/11/2016
Navy RTC to Agencies	14	2/26/2016
Draft Final	14	2/26/2016
Agency Concurrence	30	3/31/2016
Final	21	4/6/2016
Public Notice	14	5/2/2016
Memo to File		
Internal Draft	30	3/30/2016
Receive Navy Comments	21	4/5/2016
Draft	21	4/5/2016
Receive EPA Comments	45	--
Receive RIDEM Comments	45	--
Navy RTC to Agencies	30	--
Draft Final	30	--
Agency Concurrence	14	--
Final	14	4/20/2016
Soil ROD		
Internal Draft	--	1/20/2016
Navy Review	30	2/23/2016
Draft	30	3/17/2016
Receive EPA Comments	29	4/15/2016
Receive RIDEM Comments	29	4/28/2016
Navy RTC to Agencies	30	5/13/2016
Draft Final	30	6/9/2016
EPA Concurrence (e-mail)	30	7/21/2016
RIDEM Concurrence (e-mail)	30	7/28/2016
Navy CO Signature	--	8/10/2016
RIDEM Concurrence (letter)	--	7/28/2016
Final w/RIDEM Letter to EPA for Signature	--	9/8/2016
EPA Signature	--	9/21/2016
Public Notice	--	10/8/2016

Site Schedule

Site 7 - Tank Farm 1, DU 1-1, 1-2, 1-3

NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
ROD ESD		
Internal Draft	--	11/30/2016
Receive Navy Comments	21	12/21/2016
Draft	21	1/11/2017
Receive Agency Comments	30	2/10/2017
Navy RTC to Agencies	30	3/12/2017
Draft Final	30	4/11/2017
Concurrence	30	5/11/2017
Final	30	6/10/2017
Soil LUC RD		
Internal Draft	45	11/5/2016
Navy Review	21	11/26/2016
Draft	21	12/17/2016
Receive EPA Comments	45	1/31/2017
Receive RIDEM Comments	45	1/31/2017
Navy RTC to Agencies	45	3/17/2017
Draft Final	45	5/1/2017
Agency Concurrence	30	5/31/2017
Final	30	6/30/2017
Soil RDWP		
Internal Draft	60	11/20/2016
Navy Review	21	12/11/2016
Draft	21	1/1/2017
Receive EPA Comments	30	1/31/2017
Receive RIDEM Comments	30	1/31/2017
Navy RTC to Agencies	30	3/2/2017
Draft Final	30	4/1/2017
Agency Concurrence	30	5/1/2017
Final	30	5/31/2017
Soil RD		
Internal Draft	30	1/31/2017
Navy Review	21	2/21/2017
Draft (60%)	21	3/14/2017
Receive EPA Comments	30	4/13/2017
Receive RIDEM Comments	30	4/13/2017
Navy RTC to Agencies	30	5/13/2017
Draft Final (85%)	45	6/27/2017
Agency Concurrence	30	7/27/2017
Final (100%)	30	8/26/2017

Site Schedule

Site 7 - Tank Farm 1, DU 1-1, 1-2, 1-3

NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Soil RAWP		
Internal Draft	30	7/27/2017
Navy Review	21	8/17/2017
Draft	21	9/7/2017
Receive EPA Comments	30	10/7/2017
Receive RIDEM Comments	30	10/7/2017
Navy RTC to Agencies	30	11/6/2017
Agency Concurrence	30	12/6/2017
Final	30	1/5/2018
Soil RA HASP		
Internal Draft	30	12/6/2017
Internal Final	60	1/5/2018
Soil RA Construction		
RA Start Action and Documentation (450-day limit)	450	12/15/2017
Start Construction	60	3/6/2018
Complete Construction	180	9/2/2018
Soil RA CCR		
Internal Draft	60	11/1/2018
Navy Review	21	11/22/2018
Draft	21	12/13/2018
Receive EPA Comments	30	1/12/2019
Receive RIDEM Comments	30	1/12/2019
Navy RTC to Agencies	30	2/11/2019
Agency Concurrence	30	3/13/2019
Final	30	4/12/2019
RACR		
Internal Draft	30	5/12/2019
Receive Navy Comments	21	6/2/2019
Draft	21	6/23/2019
Receive EPA Comments	45	8/7/2019
Receive RIDEM Comments	45	8/7/2019
Navy RTC to Agencies	45	9/21/2019
Draft Final	45	11/5/2019
Agency Concurrence	30	12/5/2019
Final	30	1/4/2020

Deliverable Description	Timeframe	Date
Tank Farm Wide Groundwater Plan		
Internal Reconciliation and Presentation	--	6/1/2015
Team Presentation	--	7/2/2015
Compile GW Dataset	--	12/10//2016
GW Path Forward	--	12/12/2015
DQO Scoping Session	--	3/16/2016
Internal Draft	30	4/15/2016
Receive Navy Comments	14	4/29/2016
Draft	4	5/3/2016
Receive EPA Comments	30	5/17/2016
Receive RIDEM Comments	30	5/17/2016
Tank Farm Wide Well Inventory		
Well Inventory	--	3/11/2016
Groundwater Assessment SAP		
Internal Draft	--	--
Receive Navy Comments	--	--
Draft	--	6/3/2016
Team Discussion in Lieu of Comments-Responses	--	7/20/2016
Draft Final	--	10/3/2016
Agency Concurrence	30	11/2/2016
Final	30	12/2/2016
Groundwater Assessment HASP		
Internal Draft	--	10/3/2016
Internal Final	30	11/2/2016
Groundwater Assessment Year 1		
Mobilization	60	1/31/2017
Field Program	365	1/31/2018
Analysis, Validation, Evaluation	45	3/17/2018
Infrastructure Dismantling		
Mobilization	--	5/1/2016
Field Program	1080	4/16/2019
Draft Completion Report	90	7/15/2019
Final Completion Report	90	10/13/2019
Soil AOC SASE SAP (5 AOCs)		
Internal Draft	--	11/15/2016
Navy Comments	21	12/6/2016
Draft	21	12/27/2016
Receive EPA Comments	45	2/10/2017
Receive RIDEM Comments	45	2/10/2017
Navy RTC to Agencies	30	3/12/2017
Draft Final	30	4/11/2017
Agency Concurrence	30	5/11/2017
Final	30	6/10/2017
Soil AOC SASE HASP (5 AOCs)		
Internal Draft	30	4/11/2017
Internal Final	60	6/10/2017

Deliverable Description	Timeframe	Date
Soil AOC SASE Field Investigation (5 AOCs)		
Mobilization	60	8/9/2017
Field Program	90	11/7/2017
Analysis, Validation, Evaluation	60	1/6/2018
Soil AOC SASE Results Report (5 AOCs)		
Include in RI Report	--	--
Tank Farm Wide RI SAP	49	
Internal Draft	60	5/16/2018
Navy Comments	21	6/6/2018
Draft	21	6/27/2018
Receive EPA Comments	45	8/11/2018
Receive RIDEM Comments	45	8/11/2018
Navy RTC to Agencies	30	9/10/2018
Draft Final	30	10/10/2018
Agency Concurrence	30	11/9/2018
Final	30	12/9/2018
Tank Farm Wide RI HASP		
Internal Draft	30	10/10/2018
Internal Final	60	12/9/2018
Tank Farm Wide RI Field Investigation		
Mobilization	60	2/7/2019
Field Program	90	5/8/2019
Analysis, Validation, Evaluation	60	7/7/2019
Tank Farm Wide RI Report		
Internal Draft	60	9/5/2019
Navy Review	21	9/26/2019
Draft	14	10/10/2019
EPA Comments	45	11/24/2019
RIDEM Comments	45	1/8/2020
Navy RTC to Agencies	45	2/22/2020
Draft Final	30	3/23/2020
Agency Concurrence	45	5/7/2020
Final	30	6/6/2020
Tank Farm Wide FS		
Agency Concurrence on RAOs	--	5/7/2020
RAA	60	7/6/2020
Internal Draft	30	8/5/2020
Navy Review	21	8/26/2020
Draft	21	9/16/2020
Receive EPA Comments	45	10/31/2020
Receive RIDEM Comments	45	10/31/2020
Navy RTC to Agencies	45	12/15/2020
Draft Final	45	1/29/2021
Agency Concurrence	30	2/28/2021
Final	30	3/30/2021

Site Schedule
 Site 7 - Tank Farm 1, Tank Farm Wide
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Tank Farm Wide Proposed Plan		
Internal Draft	30	3/30/2021
Navy Review	30	4/29/2021
Draft	30	5/29/2021
Receive EPA Comments	45	7/13/2021
Receive RIDEM Comments	45	7/13/2021
Navy RTC to Agencies	45	8/27/2021
Draft Final	45	10/11/2021
Agency Concurrence	30	11/10/2021
Final	30	12/10/2021
Public Notice	30	1/9/2022
Public Hearing	--	--
Tank Farm Wide ROD		
Internal Draft	--	10/11/2021
Navy Review	21	11/1/2021
Draft	21	11/22/2021
Receive EPA Comments	45	1/6/2022
Receive RIDEM Comments	45	1/6/2022
Navy RTC to Agencies	45	2/20/2022
Draft Final	45	4/6/2022
Agency Concurrence	30	5/6/2022
Final	30	6/5/2022
Signature	45	7/20/2022
Public Notice	14	8/3/2022

Site Schedule
 Site 10 - Tank Farm 2, DU 2-2, 2-3
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
RI SAP		
Final	--	7/18/2013
RI Report		
Internal Draft	30	5/21/2014
Navy Review	14	6/20/2014
Draft	14	7/18/2014
Agency Comments	45	9/10/2014
Team Comment Resolution	--	--
Navy RTC to Agencies	--	1/14/2015
Discussion at RPM Meeting	--	1/21/2015
Discussion at RPM Meeting	--	3/17/2015
Preview of RTCs	--	4/14/2015
Team Comment Resolution		
Internal Draft Final	--	--
Draft Final w/RTCs	7	7/10/2015
Agency Comments on Draft Final	--	7/31/2015
Team Comment Resolution	--	--
Revised RLSO Final	14	10/7/2015
Agency Concurrence on DGA	14	10/23/2015
Final	14	11/6/2015
Soil FS		
Approval of DGA outcome (RAO concurrence)	--	7/14/2015
Build Internal RAOs and PRGs	30	8/13/2015
Submit RAA, Refine with Navy	45	9/27/2015
Internal Draft	30	10/27/2015
Navy Review	30	12/4/2015
Draft	30	12/21/2015
Receive EPA Comments	--	2/29/2016
Receive RIDEM Comments	--	3/1/2016
Navy RTC to Agencies	45	4/15/2016
Draft Final	45	5/26/2016
Receive additional EPA Comments	30	7/12/2016
Receive additional RIDEM Comments	30	7/12/2016
Respond to Additional EPA and RIDEM Comments	30	8/12/2016
RIDEM Concurrence	14	8/16/2016
EPA Requested Additional 5 Week Extension	--	8/24/2016
EPA Concurrence	14	9/20/2016
Final	14	9/28/2016

Site Schedule
Site 10 - Tank Farm 2, DU 2-2, 2-3
NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Soil PDI Scoping		
Soil PDI SAP		
Soil PDI HASP		
Soil PDI Field Investigation		
Soil PDI Results Tech Memo		
Defer to Tank Farm Wide ROD and Response Action		

Deliverable Description	Timeframe	Date
Tank Farm Wide Well Inventory		
Well Inventory	--	3/11/2016
Tank Farm Wide Groundwater Plan		
Compile GW Dataset	--	6/23/2016
Prepare Well Inventory Table (11-1)	--	6/17/2016
Prepare Historic Data Summary Table (11-2)	7	6/28/2016
Team Decision to Defer GW SAP Until After TF1, 4 and 5	--	7/20/2016
Conduct DQO Scoping Session	--	9/20/2016
Groundwater Assessment SAP		
Internal Draft	30	10/20/2016
Receive Navy Comments	21	11/10/2016
Draft	14	11/24/2016
Receive EPA Comments	45	1/8/2017
Receive RIDEM Comments	45	1/8/2017
Navy RTC to Agencies	45	2/22/2017
Draft Final	45	4/8/2017
Agency Concurrence	30	5/8/2017
Final	30	6/7/2017
Groundwater Assessment HASP		
Internal Draft	--	4/8/2017
Internal Final	30	5/8/2017
Groundwater Assessment Year 1		
Mobilization	60	8/6/2017
Field Program	365	8/6/2018
Analysis, Validation, Evaluation	45	9/20/2018
Infrastructure Dismantling		
Mobilization	--	4/1/2019
Field Program	720	3/21/2021
Draft Completion Report	90	6/19/2021
Final Completion Report	90	9/17/2021
Soil AOC SASE SAP (3 AOCs)		
Internal Draft	--	--
Navy Comments	--	--
Draft	21	4/12/2016
Agency Request for Review Extension	--	11/15/2016
Receive EPA Comments	--	9/30/2016
Receive RIDEM Comments	--	9/30/2016
Navy RTC to Agencies	30	10/30/2016
Draft Final	30	11/29/2016
Agency Concurrence	30	12/29/2016
Final	30	1/28/2017
Soil AOC SASE HASP (3 AOCs)		
Internal Draft	30	11/29/2016
Internal Final	60	1/28/2017
Soil AOC SASE Field Investigation (3 AOCs)		
Mobilization	60	3/29/2017
Field Program	90	6/27/2017
Analysis, Validation, Evaluation	60	8/26/2017
Soil AOC SASE Results Report (3 AOCs)		

Site Schedule
 Site 10 - Tank Farm 2, Tank Farm Wide
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Include in RI SAP	--	--
Tank Farm Wide RI SAP		
Internal Draft	60	11/19/2018
Navy Comments	21	12/10/2018
Draft	21	12/31/2018
Receive EPA Comments	45	2/14/2019
Receive RIDEM Comments	45	2/14/2019
Navy RTC to Agencies	30	3/16/2019
Draft Final	30	4/15/2019
Agency Concurrence	30	5/15/2019
Final	30	6/14/2019
Tank Farm Wide RI HASP	49	
Internal Draft	30	4/15/2019
Internal Final	60	6/14/2019
Tank Farm Wide RI Field Investigation		
Mobilization	60	8/13/2019
Field Program	90	11/11/2019
Analysis, Validation, Evaluation	60	1/10/2020
Tank Farm Wide RI Report		
Internal Draft	60	3/10/2020
Navy Review	21	3/31/2020
Draft	14	4/14/2020
EPA Comments	45	5/29/2020
RIDEM Comments	45	7/13/2020
Navy RTC to Agencies	45	8/27/2020
Draft Final	30	9/26/2020
Agency Concurrence	45	11/10/2020
Final	30	12/10/2020
Tank Farm Wide FS		
Agency Concurrence on RAOs	--	11/10/2020
RAA	60	1/9/2021
Internal Draft	30	2/8/2021
Navy Review	21	3/1/2021
Draft	21	3/22/2021
Receive EPA Comments	45	5/6/2021
Receive RIDEM Comments	45	5/6/2021
Navy RTC to Agencies	45	6/20/2021
Draft Final	45	8/4/2021
Agency Concurrence	30	9/3/2021
Final	30	10/3/2021

Site Schedule
 Site 10 - Tank Farm 2, Tank Farm Wide
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Tank Farm Wide Proposed Plan		
Internal Draft	30	10/3/2021
Navy Review	30	11/2/2021
Draft	30	12/2/2021
Receive EPA Comments	45	1/16/2022
Receive RIDEM Comments	45	1/16/2022
Navy RTC to Agencies	45	3/2/2022
Draft Final	45	4/16/2022
Agency Concurrence	30	5/16/2022
Final	30	6/15/2022
Public Notice	30	7/15/2022
Public Hearing	--	--
Tank Farm Wide ROD		
Internal Draft	--	4/16/2022
Navy Review	21	5/7/2022
Draft	21	5/28/2022
Receive EPA Comments	45	7/12/2022
Receive RIDEM Comments	45	7/12/2022
Navy RTC to Agencies	45	8/26/2022
Draft Final	45	10/10/2022
Agency Concurrence	30	11/9/2022
Final	30	12/9/2022
Signature	45	1/23/2023
Public Notice	14	2/6/2023

Site Schedule

Site 11 - Tank Farm 3, DU 3-1, 3-2, 3-3

NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
RI SAP		
Final	--	5/29/2013
RI Report		
Internal Draft	30	5/21/2014
Navy Review	14	6/20/2014
Draft	14	7/18/2014
Agency Comments	45	9/16/2014
Team Comment Resolution	--	--
RTCs	--	1/2/2015
Discussion at RPM Meeting	--	1/21/2015
Team Comment Resolution	--	--
Internal Draft Final	--	--
Draft Final w/RTCs	14	6/3/2015
Agency Comments on Draft Final	--	8/7/2015
Draft RTCs on Draft Final	--	9/8/2015
Revised RLSO Draft Final	14	9/28/2015
Agency Concurrence on DGA	--	10/23/2015
Final	14	11/6/2015
Soil FS		
Approval of DGA outcome (RAO concurrence)	--	5/20/2015
Build Internal RAOs and PRGs	30	6/19/2015
Submit RAA, Refine with Navy	--	8/20/2015
Internal Draft	--	9/30/2015
Navy Review	--	10/2/2015
Internal Draft for Legal Review	--	10/26/2015
Navy Legal Review	22	11/18/2015
Draft	30	12/10/2015
Receive EPA Comments	45	2/24/2016
Receive RIDEM Comments	45	2/9/2016
RTCs	44	4/8/2016
Draft Final	41	5/19/2016
Receive additional EPA Comments	30	7/12/2016
Receive additional RIDEM Comments	30	7/13/2016
Respond to Additional EPA and RIDEM Comments	30	8/12/2016
RIDEM Concurrence	14	8/16/2016
EPA Requested Additional 5 Week Extension	--	8/24/2016
Agency Concurrence	14	9/20/2016
Final	14	9/27/2016

Site Schedule

Site 11 - Tank Farm 3, DU 3-1, 3-2, 3-3

NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Soil PDI Scoping		
Soil PDI SAP		
Soil PDI HASP		
Soil PDI Field Investigation		
Soil PDI Results Tech Memo		
Sediment FS		

Deliverable Description	Timeframe	Date
Tank Farm Wide Well Inventory		
Well Inventory	--	3/11/2016
Tank Farm Wide Groundwater Plan		
Compile GW Dataset	--	6/23/2016
Prepare Well Inventory Table (11-1)	--	6/17/2016
Prepare Historic Data Summary Table (11-2)	7	6/28/2016
Team Decision to Defer GW SAP Until After TF1, 4 and 5	--	7/20/2016
Conduct DQO Scoping Session	--	9/20/2016
Groundwater Assessment SAP		
Internal Draft	30	10/20/2016
Receive Navy Comments	21	11/10/2016
Draft	14	11/24/2016
Receive EPA Comments	45	1/8/2017
Receive RIDEM Comments	45	1/8/2017
Navy RTC to Agencies	45	2/22/2017
Draft Final	45	4/8/2017
Agency Concurrence	30	5/8/2017
Final	30	6/7/2017
Groundwater Assessment HASP		
Internal Draft	--	4/8/2017
Internal Final	30	5/8/2017
Groundwater Assessment Year 1		
Mobilization	60	8/6/2017
Field Program	365	8/6/2018
Analysis, Validation, Evaluation	45	9/20/2018
Infrastructure Dismantling		
Mobilization	--	4/1/2020
Field Program	720	3/22/2022
Draft Completion Report	90	6/20/2022
Final Completion Report	90	9/18/2022
Soil AOC SASE SAP (2 AOCs)		
Internal Draft	--	--
Navy Comments	--	--
Draft	21	4/12/2016
Agency Request for Review Extension	--	11/15/2016
Receive EPA Comments	--	9/30/2016
Receive RIDEM Comments	--	9/30/2016
Navy RTC to Agencies	30	10/30/2016
Draft Final	30	11/29/2016
Agency Concurrence	30	12/29/2016
Final	30	1/28/2017
Soil AOC SASE HASP (2 AOCs)		
Internal Draft	30	11/29/2016
Internal Final	60	1/28/2017
Soil AOC SASE Field Investigation (2 AOCs)		
Mobilization	60	3/29/2017
Field Program	90	6/27/2017
Analysis, Validation, Evaluation	60	8/26/2017
Soil AOC SASE Results Report (2 AOCs)		

Site Schedule
 Site 11 - Tank Farm 3, Tank Farm Wide
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Include in RI SAP	--	--
Tank Farm Wide RI SAP		
Internal Draft	60	11/19/2018
Navy Comments	21	12/10/2018
Draft	21	12/31/2018
Receive EPA Comments	45	2/14/2019
Receive RIDEM Comments	45	2/14/2019
Navy RTC to Agencies	30	3/16/2019
Draft Final	30	4/15/2019
Agency Concurrence	30	5/15/2019
Final	30	6/14/2019
Tank Farm Wide RI HASP	49	
Internal Draft	30	4/15/2019
Internal Final	60	6/14/2019
Tank Farm Wide RI Field Investigation		
Mobilization	60	8/13/2019
Field Program	90	11/11/2019
Analysis, Validation, Evaluation	60	1/10/2020
Tank Farm Wide RI Report		
Internal Draft	60	3/10/2020
Navy Review	21	3/31/2020
Draft	14	4/14/2020
EPA Comments	45	5/29/2020
RIDEM Comments	45	7/13/2020
Navy RTC to Agencies	45	8/27/2020
Draft Final	30	9/26/2020
Agency Concurrence	45	11/10/2020
Final	30	12/10/2020
Tank Farm Wide FS		
Agency Concurrence on RAOs	--	11/10/2020
RAA	60	1/9/2021
Internal Draft	30	2/8/2021
Navy Review	21	3/1/2021
Draft	21	3/22/2021
Receive EPA Comments	45	5/6/2021
Receive RIDEM Comments	45	5/6/2021
Navy RTC to Agencies	45	6/20/2021
Draft Final	45	8/4/2021
Agency Concurrence	30	9/3/2021
Final	30	10/3/2021

Site Schedule
 Site 11 - Tank Farm 3, Tank Farm Wide
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Tank Farm Wide Proposed Plan		
Internal Draft	30	10/3/2021
Navy Review	30	11/2/2021
Draft	30	12/2/2021
Receive EPA Comments	45	1/16/2022
Receive RIDEM Comments	45	1/16/2022
Navy RTC to Agencies	45	3/2/2022
Draft Final	45	4/16/2022
Agency Concurrence	30	5/16/2022
Final	30	6/15/2022
Public Notice	30	7/15/2022
Public Hearing	--	--
Tank Farm Wide ROD		
Internal Draft	--	4/16/2022
Navy Review	21	5/7/2022
Draft	21	5/28/2022
Receive EPA Comments	45	7/12/2022
Receive RIDEM Comments	45	7/12/2022
Navy RTC to Agencies	45	8/26/2022
Draft Final	45	10/10/2022
Agency Concurrence	30	11/9/2022
Final	30	12/9/2022
Signature	45	1/23/2023
Public Notice	14	2/6/2023

Site Schedule
 Site 12 - Tank Farm 4, DU 4-1
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
ROD		
Final	--	9/16/2013
Signature	--	9/30/2013
LUC RD		
Internal Draft	60	12/2/2013
Navy Review	14	12/12/2013
Draft	16	12/18/2013
Agency Comments	45	2/3/2014
Navy RTC to Agencies	45	3/7/2014
Draft Final	45	3/7/2014
Agency Concurrence	30	4/6/2014
Final	30	4/21/2014
Soil RDWP		
Internal Draft	30	12/19/2013
Navy Review	14	1/2/2014
Draft	14	1/10/2014
Agency Comments	45	2/27/2014
Navy RTC to Agencies	45	3/20/2014
Draft Final	45	--
Agency Concurrence	30	4/18/2014
Final	30	5/7/2014
Soil PDI SAP		
Internal Draft	14	12/19/2013
Navy Comments	14	1/2/2014
Draft	14	1/10/2014
Agency Comments	45	2/27/2014
Navy RTC to Agencies	45	3/20/2014
Draft Final	45	--
Agency Concurrence	30	4/18/2014
Final	30	5/7/2014
Soil PDI HASP		
Internal Draft	30	4/16/2014
Internal Final	60	5/7/2014
Soil PDI Field Investigation		
Mobilization	30	5/21/2014
Field Program	60	8/14/2014
Analysis, Validation, Evaluation	45	10/6/2014
Soil PDI Results		
Internal Draft	14	10/20/2014
Navy Review	7	10/27/2014
Final	7	11/3/2014

Site Schedule

Site 12 - Tank Farm 4, DU 4-1

NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Soil RD		
Internal Draft	60	5/8/2014
Navy Review	14	5/22/2014
Draft (60%)	14	6/2/2014
Agency Comments	45	6/2/2014
Navy RTC to Agencies	45	8/5/2014
Team Comment Resolution	--	--
Draft Final (85%)	45	11/15/2014
Team Comment Resolution	--	--
Agency Concurrence	--	11/15/2016
Final (100%)	--	2/11/2015
Soil RAWP		
Internal Draft	60	1/14/2015
Navy Review	14	1/28/2015
Draft	14	2/20/2015
Agency Comments	30	3/22/2015
Team Comment Resolution		
RTCs and RLSO Pre-Final	--	10/9/2015
Agency Concurrence	--	10/30/2015
Final	--	12/1/2015
Soil RA HASP		
Internal Draft	30	1/28/2015
Internal Final	60	3/29/2015
RA Start Documentation		
Site Preparation Work	--	10/30/2014
Internal Draft	14	11/13/2014
Final	14	11/17/2014
Soil RA Construction		
Start Construction	--	12/9/2015
Complete Construction	--	4/1/2016
Soil RA CCR		
Internal Draft	30	8/17/2016
Navy Review	2	8/19/2016
Draft	16	8/19/2016
Receive EPA Comments	49	10/7/2016
Receive RIDEM Comments	49	10/7/2016
Navy RTC to Agencies	--	--
Agency Concurrence	14	10/21/2016
Final	21	11/11/2016

Site Schedule

Site 12 - Tank Farm 4, DU 4-1

NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Interim RACR		
Internal Draft	30	12/11/2016
Receive Navy Comments	21	1/1/2017
Draft	16	1/17/2017
Receive EPA Comments	45	3/3/2017
Receive RIDEM Comments	45	3/3/2017
Navy RTC to Agencies	45	4/17/2017
Draft Final	45	6/1/2017
Agency Concurrence	30	7/1/2017
Final	30	7/31/2017
Fence Line Maintenance		
Comment Response	--	--
Final Report	--	--
Tank Farm 4 and 5 PFC Tech Memo		
Draft	14	4/12/2016
Receive EPA Comments	--	--
Receive RIDEM Comments	--	--
Navy RTC to Agencies	--	--
Draft Final	--	--
Agency Concurrence	--	--
Final	30	4/25/2016
GW LTM Plan		
Internal Draft (LANT Concept)	60	11/4/2014
Receive Navy Comments	21	11/25/2014
Internal Draft (Traditional SAP)	--	1/30/2015
Receive Navy Comments	21	2/20/2015
Draft	60	3/23/2015
Receive EPA Comments	26	5/13/2015
Receive RIDEM Comments	26	5/13/2015
Navy RTC to Agencies	47	6/29/2015
Team Comment Resolution	--	--
Draft Final	--	--
Agency Concurrence	--	9/20/2015
Navy RTC to Agencies	--	12/18/2015
RLSO Pre-Final	--	12/18/2015
Concurrence	45	1/21/2016
Final	49	3/16/2016
GW LTM HASP		
Internal Draft	45	2/1/2016
Internal Final	45	3/17/2016

Site Schedule

Site 12 - Tank Farm 4, DU 4-1

NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
GW LTM Year 1		
Team Decision to Combine w TF Wide Sampling	--	7/19/2016
Monitoring Well Installation	--	7/15/2016
Start field program	--	2/10/2017
Complete field program	60	4/11/2017
GW LTM Year 2		
Start field program	60	6/15/2017
Complete field program	60	8/14/2017
GW LTM Year 1 & 2 Report		
Internal Draft	90	11/12/2017
Receive Navy Comments	21	12/3/2017
Draft	21	12/24/2017
Receive EPA Comments	45	2/7/2018
Receive RIDEM Comments	45	2/7/2018
Navy RTC to Agencies	45	3/24/2018
Draft Final	45	5/8/2018
Agency Concurrence	30	6/7/2018
Final	30	7/7/2018

Deliverable Description	Timeframe	Date
Tank Farm Wide Groundwater Plan		
Internal Reconciliation and Presentation	--	6/1/2015
Team Presentation	--	7/29/2015
Compile GW Dataset	--	1/16/2016
GW Path Forward	--	11/17/2015
DQO Scoping Session	--	1/27/2016
Internal Draft	--	2/5/2016
Receive Navy Comments	10	2/15/2016
Draft	14	2/18/2016
Receive EPA Comments	29	3/18/2016
Receive RIDEM Comments	29	3/18/2016
Tank Farm Wide Well Inventory		
Well Inventory	--	10/15/2015
Groundwater Assessment SAP		
Internal Draft	--	--
Receive Navy Comments	--	--
Draft	--	6/3/2016
Team Discussion in Lieu of Comments-Responses	--	7/20/2016
Draft Final	--	10/13/2016
Agency Concurrence	30	11/12/2016
Final	30	12/12/2016
Groundwater Assessment HASP		
Internal Draft	--	10/13/2016
Internal Final	30	11/12/2016
Groundwater Assessment Year 1		
Mobilization	60	2/10/2017
Field Program	365	2/10/2018
Analysis, Validation, Evaluation	45	3/27/2018
Soil AOC SASE SAP (1 AOC)		
Internal Draft	--	--
Navy Comments	--	--
Draft	21	4/12/2016
Agency Request for Review Extension	--	5/12/2016
Receive EPA Comments	--	9/30/2016
Receive RIDEM Comments	45	5/27/2016
Navy RTC to Agencies	30	10/30/2016
Draft Final	30	11/29/2016
Agency Concurrence	30	12/29/2016
Final	30	1/28/2017
Soil AOC SASE HASP (1 AOC)		
Internal Draft	30	11/29/2016
Internal Final	60	1/28/2017
Soil AOC SASE Field Investigation (1 AOC)		
Mobilization	60	3/29/2017
Field Program	90	6/27/2017
Analysis, Validation, Evaluation	60	8/26/2017
Soil AOC SASE Results Report (1 AOC)		
Include in RI Report	--	--
Tank Farm Wide RI/FS Report		

Site Schedule
 Site 12 - Tank Farm 4, Tank Farm Wide
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Internal Draft (start RAA, FS after GW Year 1 Q2)	60	5/26/2018
Navy Review	21	6/16/2018
Draft	30	7/16/2018
EPA Comments	45	8/30/2018
RIDEM Comments	45	10/14/2018
Navy RTC to Agencies	45	11/28/2018
Draft Final	30	12/28/2018
Agency Concurrence	45	2/11/2019
Final	30	3/13/2019
Tank Farm Wide Proposed Plan		
Internal Draft	30	3/13/2019
Navy Review	30	4/12/2019
Draft	30	5/12/2019
Receive EPA Comments	45	6/26/2019
Receive RIDEM Comments	45	6/26/2019
Navy RTC to Agencies	45	8/10/2019
Draft Final	45	9/24/2019
Agency Concurrence	30	10/24/2019
Final	30	11/23/2019
Public Notice	30	12/23/2019
Public Hearing	--	--
Tank Farm Wide ROD		
Internal Draft	--	9/24/2019
Navy Review	21	10/15/2019
Draft	21	11/5/2019
Receive EPA Comments	45	12/20/2019
Receive RIDEM Comments	45	12/20/2019
Navy RTC to Agencies	45	2/3/2020
Draft Final	45	3/19/2020
Agency Concurrence	30	4/18/2020
Final	30	5/18/2020
Signature	45	7/2/2020
Public Notice	14	7/16/2020

Site Schedule
 Site 13 - Tank Farm 5, DU 5-1
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
ROD		
Final	--	1/9/2014
Signature	--	1/9/2014
NFA Proposed Plan - Tanks 53 & 56		
Internal Draft	--	4/15/2015
Navy Review	30	5/15/2015
Draft	30	6/14/2015
Agency Comments	45	12/15/2015
Navy RTC to Agencies	45	1/29/2016
Team Decision to Combine with TF Wide ROD		3/15/2016
Draft Final	--	--
Agency Concurrence	--	--
Final	--	--
Public Notice	--	--
NFA ROD - Tanks 53 & 56		
Internal Draft	--	--
Navy Review	--	--
Draft	--	--
Agency Comments	--	--
Navy RTC to Agencies	--	--
Draft Final	--	--
Agency Concurrence	--	--
Final	--	--
Signature	--	--
Public Notice	--	--
Corrective Action Plan - Tank 50		
Internal Draft	--	3/15/2017
Navy Review	30	4/14/2017
Draft	14	4/28/2017
Receive EPA Comments	45	6/12/2017
Receive RIDEM Comments	45	6/12/2017
Navy RTC to Agencies	45	7/27/2017
Draft Final	45	9/10/2017
Agency Concurrence	30	10/10/2017
Final	30	11/9/2017
LUC RD		
Internal Draft	30	3/17/2014
Navy Review	14	3/24/2014
Draft	16	4/3/2014
Agency Comments	45	5/29/2014
Navy RTC to Agencies	45	7/13/2014
Draft Final	45	--
Agency Concurrence	30	7/9/2014
Final	30	7/24/2014

Site Schedule
 Site 13 - Tank Farm 5, DU 5-1
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Soil RDWP		
Team Comment Resolution	--	--
Internal Draft	30	4/18/2014
Navy Review	14	4/30/2014
Draft	14	5/2/2014
Agency Comments	45	6/5/2014
Navy RTC to Agencies	--	11/15/2016
Draft Final	45	--
Agency Concurrence	30	8/27/2014
Final	30	8/15/2014
Soil PDI SAP		
Internal Draft	14	4/18/2014
Navy Comments	14	4/30/2014
Draft	14	5/2/2014
Agency Comments	45	6/5/2014
Navy RTC to Agencies	45	6/23/2014
Draft Final	45	--
Agency Concurrence	30	8/6/2014
Final	30	8/15/2014
Soil PDI HASP		
Internal Draft	30	7/14/2014
Internal Final	60	7/23/2014
Soil PDI Field Investigation		
Mobilization	30	9/2/2014
Field Program	21	9/23/2014
Analysis, Validation, Evaluation	45	11/7/2014
Soil PDI Results		
Internal Draft	--	--
Navy Review	--	--
Final	--	3/10/2015
Soil RD		
Internal Draft	60	8/29/2014
Navy Review	49	10/17/2014
Draft (60%)	14	10/31/2014
Agency Comments	45	11/30/2014
Navy RTC to Agencies	45	12/17/2014
Draft Final (85%)	--	3/10/2015
Agency Concurrence	30	4/9/2015
Final (100%)	30	5/9/2015

Site Schedule

Site 13 - Tank Farm 5, DU 5-1

NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Soil RAWP		
Team Comment Resolution	--	--
Internal Draft	--	8/13/2015
Navy Review	21	9/3/2015
Draft	--	11/25/2015
Team Comment Resolution	--	--
Agency Comments	--	2/6/2016
Navy RTC to Agencies	30	2/23/2016
EPA Concurrence	--	2/15/2016
RIDEM Concurrence	--	5/26/2016
Revised Draft Final and RTCs	--	6/20/2016
Updated RTCs on Additional Agency Comments	--	9/10/2016
Final	7	9/17/2016
Soil RA HASP		
Internal Draft	30	1/15/2016
Internal Final	60	3/15/2016
RA Start Documentation		
Site Preparation Work	--	10/30/2014
Internal Draft	14	11/13/2014
Final	14	12/3/2014
Soil RA Construction		
Start Construction	--	9/1/2016
Complete Construction	120	12/30/2016
Soil RA CCR		
Internal Draft	30	1/29/2017
Navy Review	30	2/28/2017
Draft	14	3/14/2017
Receive EPA Comments	45	4/28/2017
Receive RIDEM Comments	45	4/28/2017
Navy RTC to Agencies	--	--
Agency Concurrence	30	5/28/2017
Final	30	6/27/2017
Interim RACR		
Internal Draft	30	7/27/2017
Receive Navy Comments	21	8/17/2017
Draft	21	9/7/2017
Receive EPA Comments	30	10/7/2017
Receive RIDEM Comments	30	10/7/2017
Navy RTC to Agencies	30	11/6/2017
Draft Final	30	12/6/2017
Agency Concurrence	30	1/5/2018
Final	30	2/4/2018

Site Schedule

Site 13 - Tank Farm 5, DU 5-1

NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Fence Line Maintenance		
Comment Response	--	
Final Report	--	
Updated LUC RD		
Internal Draft	--	TBD
Navy Review	--	
Draft	--	
Receive EPA Comments	--	
Receive RIDEM Comments	--	
Navy RTC to Agencies	--	
Draft Final	--	
Agency Concurrence	--	
Final	--	
GW LTM Plan		
Internal Draft	60	4/14/2015
Receive Navy Comments	21	5/5/2015
Concurrence on approach based on Tank Farm 4	--	7/21/2015
Draft	--	8/7/2015
Team Comment Resolution	--	
Receive Agency Comments	45	10/7/2015
Navy RTC to Agencies	45	12/18/2015
Draft Final	45	12/18/2015
Agency Concurrence	45	1/21/2016
Team Comment Resolution	--	
Final	34	3/16/2016
GW LTM HASP		
Internal Draft	45	2/1/2016
Internal Final	45	3/17/2016
GW LTM Year 1		
Team Decision to Combine w TF Wide Sampling	--	7/19/2016
Monitoring Well Installation	--	5/5/2016
Start field program	--	2/10/2017
Complete field program	60	4/11/2017
GW LTM Year 2		
Start field program	60	6/27/2017
Complete field program	60	8/26/2017

Site Schedule

Site 13 - Tank Farm 5, DU 5-1

NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
GW LTM Year 1 & 2 Report		
Internal Draft	90	11/24/2017
Receive Navy Comments	21	12/15/2017
Draft	21	1/5/2018
Receive EPA Comments	45	2/19/2018
Receive RIDEM Comments	45	2/19/2018
Navy RTC to Agencies	45	4/5/2018
Draft Final	45	5/20/2018
Agency Concurrence	30	6/19/2018
Final	30	7/19/2018

Deliverable Description	Timeframe	Date
Tank Farm Wide Groundwater Plan		
Internal Reconciliation and Presentation	--	6/1/2015
Team Presentation	--	7/29/2015
Compile GW Dataset	--	1/16/2016
GW Path Forward	--	11/17/2015
DQO Scoping Session	--	2/8/2016
Internal Draft	--	2/11/2016
Receive Navy Comments	3	2/14/2016
Draft	14	2/18/2016
Receive EPA Comments	29	3/18/2016
Receive RIDEM Comments	29	3/18/2016
Tank Farm Wide Well Inventory		
Well Inventory	--	10/15/2015
Groundwater Assessment SAP		
Internal Draft	--	--
Receive Navy Comments	--	--
Draft	--	6/3/2016
Team Discussion in Lieu of Comments-Responses	--	7/20/2016
Draft Final	--	10/13/2016
Agency Concurrence	30	11/12/2016
Final	30	12/12/2016
Groundwater Assessment HASP		
Internal Draft	--	10/13/2016
Internal Final	30	11/12/2016
Groundwater Assessment Year 1		
Mobilization	60	2/10/2017
Field Program	365	2/10/2018
Analysis, Validation, Evaluation	45	3/27/2018
Soil AOC SASE SAP (2 AOCs)		
Internal Draft (add sites to Cat 3 AOC SAP)	--	--
Navy Comments	--	--
Draft	--	--
Receive EPA Comments	--	--
Receive RIDEM Comments	--	--
Navy RTC to Agencies	--	--
Draft Final	--	11/29/2016
Agency Concurrence	30	12/29/2016
Final	30	1/28/2017
Soil AOC SASE HASP (2 AOCs)		
Internal Draft	30	11/29/2016
Internal Final	60	1/28/2017
Soil AOC SASE Field Investigation (2 AOCs)		
Mobilization	60	3/29/2017
Field Program	90	6/27/2017
Analysis, Validation, Evaluation	60	8/26/2017
Soil AOC SASE Results Report (2 AOCs)		
Include in RI Report	--	--
Tank Farm Wide RI/FS Report		
Internal Draft (start RAA, FS after GW Year 1 Q2)	60	5/26/2018
Navy Review	32	6/27/2018

Site Schedule
 Site 13 - Tank Farm 5, Tank Farm Wide
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Draft	45	8/11/2018
EPA Comments	45	9/25/2018
RIDEM Comments	45	11/9/2018
Navy RTC to Agencies	45	12/24/2018
Draft Final	30	1/23/2019
Agency Concurrence	45	3/9/2019
Final	30	4/8/2019
Tank Farm Wide Proposed Plan		
Internal Draft	30	4/8/2019
Navy Review	30	5/8/2019
Draft	30	6/7/2019
Receive EPA Comments	45	7/22/2019
Receive RIDEM Comments	45	7/22/2019
Navy RTC to Agencies	45	9/5/2019
Draft Final	45	10/20/2019
Agency Concurrence	30	11/19/2019
Final	30	12/19/2019
Public Notice	30	1/18/2020
Public Hearing	--	--
Tank Farm Wide ROD		
Internal Draft	--	10/20/2019
Navy Review	21	11/10/2019
Draft	21	12/1/2019
Receive EPA Comments	45	1/15/2020
Receive RIDEM Comments	45	1/15/2020
Navy RTC to Agencies	45	2/29/2020
Draft Final	45	4/14/2020
Agency Concurrence	30	5/14/2020
Final	30	6/13/2020
Signature	45	7/28/2020
Public Notice	14	8/11/2020

Deliverable Description	Timeframe	Date
RI Report		
Final	--	5/24/2012
FS		
Final	--	2/7/2014
Proposed Plan		
Final	--	2/28/2014
Public Notice	--	3/13/2014
ROD		
Final	--	6/30/2014
Public Notice	--	
Signature	--	6/30/2014

ROD ESD		
Internal Draft	--	8/4/2016
Receive Navy Comments	--	8/10/2016
Draft	--	8/14/2016
Receive Agency Comments	--	8/15/2016
Navy RTC to Agencies	--	9/8/2016
Draft Final	--	9/8/2016
Concurrence	--	9/14/2016
Final	--	9/15/2016
Signature	--	9/22/2016

LUC Signs		
Order and install 2 new signs	--	11/25/2014
Order and install 3 additional signs (2 replacements)	--	7/28/2015
Order and install 2 remaining signs	--	8/30/2015
LUC RD		
Internal Draft	30	8/29/2014
Navy Review	14	9/12/2014
Draft	16	9/24/2014
Agency Comments	30	10/24/2014
Navy RTC to Agencies	31	11/24/2014
Draft Final	--	1/7/2014
Agency Concurrence	--	2/6/2015
Final	30	3/8/2015
Soil/Debris RD		
Internal Draft	60	10/15/2014
Navy Review	14	10/31/2014
Draft (60%)	14	11/11/2014
Agency Comments	45	1/14/2015
Navy RTC to Agencies	30	2/13/2015
Draft Final (85%)	41	3/26/2015
Agency Concurrence	30	4/25/2015
Final (100%)	30	8/12/2015
Soil/Debris RAWP		
Internal Draft	60	8/4/2015

Site Schedule
 Site 17 - Gould Island
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Navy Review	14	8/18/2015
Draft	3	9/11/2015
Agency Comments	7	9/18/2015
Navy RTC to Agencies	--	1/26/2016
Agency Concurrence	30	3/2/2016
Final	14	3/23/2016
Soil/Debris RA HASP		
Internal Draft	--	3/2/2016
Internal Final	--	3/23/2016
RA Start Documentation		
Site Preparation Work	--	--
Internal Draft	--	--
Final	--	9/15/2015
Soil/Debris RA Construction		
Start Construction	--	4/11/2016
Complete Construction	120	10/31/2016
Soil/Debris RA CCR		
Internal Draft	60	12/30/2016
Navy Review	14	1/13/2017
Draft	14	1/27/2017
Receive EPA Comments	30	2/26/2017
Receive RIDEM Comments	30	2/26/2017
Navy RTC to Agencies	30	3/28/2017
Agency Concurrence	30	4/27/2017
Final	30	5/27/2017
Soil/Sediment RDWP		
Internal Draft	30	--
Navy Review	14	--
Draft	14	--
Receive EPA Comments	45	--
Receive RIDEM Comments	--	--
Navy RTC to Agencies	45	--
Draft Final	45	--
Agency Concurrence	30	--
Final	30	--
Sediment PDI SAP		
Initial Worksheets (10, 11 & 17)	--	--
Navy Comments	--	--
Internal Draft	--	--
Navy Comments	--	--
Draft	--	5/14/2014
Receive Agency Comments	--	6/19/2014
Agency Concurrence	--	8/21/2014
Final	--	9/15/2014
Sediment PDI HASP		
Internal Draft	30	6/27/2014
Internal Final	60	9/15/2014

Deliverable Description	Timeframe	Date
Sediment PDI Field Investigation		
Mobilization	30	9/14/2014
Field Program	30	10/14/2014
Analysis, Validation, Evaluation	60	12/13/2014
Sediment PDI Results		
Internal Draft	30	1/12/2015
Navy Review	14	1/26/2015
Final	--	--
Sediment RD		
Internal Draft	--	7/2/2015
Navy Review	21	7/23/2015
Draft (60%)	14	9/25/2015
Agency Comments	30	11/25/2015
Sediment RD		
RTCs	45	3/3/2016
Draft Final (85%)	104	6/15/2016
Agency Concurrence	60	8/11/2016
Final (100%)	38	9/18/2016
Sediment PCB Management Plan		
Internal Draft		5/1/2016
Receive Coments from Tetra Tech		5/20/2016
Draft PCB WP		6/22/2016
Comments from EPA TSCA Coordinator	47	7/26/2016
Awaiting Additional Information from EPA	--	9/9/2016
Navy RTC to Agencies	14	9/23/2016
EPA Concurrence	30	10/23/2016
Final	21	11/13/2016
Sediment RAWP		
Internal Draft	60	7/28/2016
Navy Review	21	8/18/2016
Draft	60	10/17/2016
Receive EPA Comments	30	11/16/2016
Receive RIDEM Comments	30	11/16/2016
Navy RTC to Agencies	30	12/16/2016
Draft Final	30	1/15/2017
Agency Concurrence	30	2/5/2017
Final	21	2/26/2017
Sediment RA HASP		
Internal Draft	60	10/10/2016
Internal Final	60	2/26/2017
Sediment RA Construction		
Start Construction	30	1/15/2017
Complete Construction	150	6/14/2017
Sediment RA CCR		
Internal Draft	60	8/13/2017
Navy Review	21	9/3/2017
Draft	30	10/3/2017

Site Schedule
 Site 17 - Gould Island
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Receive EPA Comments	30	11/2/2017
Receive RIDEM Comments	30	11/2/2017
Navy RTC to Agencies	30	12/2/2017
Agency Concurrence	30	1/1/2018
Final	30	1/31/2018
RACR		
Internal Draft	60	4/1/2018
Receive Navy Comments	21	4/22/2018
Draft	--	4/3/2018
Receive EPA Comments	45	5/18/2018
Receive RIDEM Comments	45	5/18/2018
Navy RTC to Agencies	30	6/17/2018
Draft Final	30	7/17/2018
Agency Concurrence	30	8/16/2018
Final	30	9/15/2018
GW LTM Plan		
Well Inventory	--	11/10/2015
Internal Draft	--	2/19/2016
Receive Navy Comments	21	3/2/2016
Draft	25	4/12/2016
Receive EPA Comments	38	5/20/2016
Receive RIDEM Comments	38	5/20/2016
Delayed Due to ESD	--	7/20/2016
Navy RTC to Agencies	--	11/14/2016
Draft Final	--	11/14/2016
Agency Concurrence	60	1/13/2017
Final	30	2/12/2017
GW LTM HASP		
Internal Draft	30	11/14/2016
Internal Final	60	2/12/2017
GW LTM Year 1		
Start field program	45	3/29/2017
Complete field program	90	6/27/2017
GW LTM Year 1 Report		
Internal Draft	90	9/25/2017
Receive Navy Comments	21	10/16/2017
Draft	14	10/30/2017
Receive EPA Comments	45	12/14/2017
Receive RIDEM Comments	45	12/14/2017
Navy RTC to Agencies	45	1/28/2018
Draft Final	45	3/14/2018
Agency Concurrence	30	4/13/2018
Final	30	5/13/2018

Site Schedule
 Site 19 - Derecktor Shipyard Onshore
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
SASE		
Final	--	12/28/2012
FS		
Final	--	5/20/2014
Proposed Plan		
Final	--	5/25/2014
Public Notice	--	6/1/2014
ROD		
Internal Draft	--	5/18/2014
Navy Review	--	6/2/2014
Draft	--	6/17/2014
Agency Comments	--	7/17/2014
Navy RTC to Agencies	--	8/1/2014
Draft Final	--	8/26/2014
Agency Concurrence	--	8/29/2014
Final	--	9/3/2014
Public Notice	--	9/10/2014
Signature	--	9/16/2014
Well Repair		
Repair Damaged Well MW-218	--	1/14/2014
Debris Pile PDI		
Sampling Program	--	10/30/2014
Results Package	--	12/30/2014
LUC RD (OnShore/OffShore)		
Internal Draft	60	10/3/2014
Navy Review	14	10/17/2014
Draft	16	12/15/2014
Agency Comments	45	2/12/2015
Navy RTC to Agencies	--	10/15/2015
Draft Final	--	--
Agency Concurrence	--	12/11/2015
Final	--	3/31/2016
Soil RDWP		
Internal Draft	30	--
Navy Review	14	--
Draft	14	--
Agency Comments	45	--
Navy RTC to Agencies	45	--
Draft Final	45	--
Agency Concurrence	30	--
Final	30	--
Soil RD		
Internal Draft	--	12/29/2014
Navy Review	--	1/16/2015
Draft (60%)	--	1/30/2015
Agency Comments	--	2/26/2015

Site Schedule
 Site 19 - Derecktor Shipyard Onshore
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Navy RTC to Agencies	--	5/22/2015
Draft Final (85%)	--	6/8/2015
Agency Concurrence	30	7/8/2015
Final (100%)	--	9/10/2015
Soil RAWP		
Internal Draft	--	10/23/2015
Navy Review	14	11/6/2015
Draft	21	11/27/2015
RA Start	--	12/10/2015
Agency Comments	31	12/28/2015
Navy RTC to Agencies	14	2/16/2016
RLSO Final RAWP		3/8/2016
Agency Concurrence	14	3/22/2016
Final	7	5/13/2016
Revised Soil RAWP		
Internal Draft	--	11/1/2016
Navy Review	14	11/15/2016
Draft	21	12/6/2016
EPA Comments	30	1/5/2017
RIDEM Comments	30	1/5/2017
Navy RTC to Agencies	30	2/4/2017
RLSO Final RAWP	30	3/6/2017
Agency Concurrence	21	3/27/2017
Final	14	4/10/2017
Soil RA HASP		
Internal Draft	30	12/4/2015
Internal Final	60	2/2/2016
Soil RA Construction		
Start Construction	--	12/18/2015
Complete Construction	180	12/11/2017
Soil RA CCR		
Internal Draft	45	1/25/2018
Navy Review	30	2/24/2018
Draft	21	3/17/2018
Receive EPA Comments	30	4/16/2018
Receive RIDEM Comments	30	4/16/2018
Navy RTC to Agencies	30	5/16/2018
Agency Concurrence	24	6/9/2018
Final	21	6/30/2018
Memo to File, Piles and ACM Piping		
Internal Draft	--	11/9/2015
Receive Navy Comments	--	12/11/2015
Draft	--	12/8/2015
Receive EPA Comments	31	1/6/2016
Receive RIDEM Comments	31	--
Navy RTC to Agencies	4	1/27/2016

Site Schedule
 Site 19 - Derecktor Shipyard Onshore
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Draft Final	--	1/27/2016
Agency Concurrence	14	2/26/2016
Final	24	3/4/2016

ROD ESD		
Internal Draft	--	8/4/2016
Receive Navy Comments	--	8/10/2016
Draft	--	8/14/2016
Receive Agency Comments	--	9/1/2016
Navy RTC to Agencies	--	9/8/2016
Draft Final	--	9/8/2016
Concurrence	--	9/14/2016
Final	--	9/15/2016
Signature	--	9/22/2016

Revised Soil LUC RD		
Internal Draft	--	10/15/2018
Receive Navy Comments	21	11/5/2018
Draft	21	11/26/2018
Receive Agency Comments	45	1/10/2019
Navy RTC to Agencies	45	2/24/2019
Draft Final	45	4/10/2019
Concurrence	30	5/10/2019
Final	30	6/9/2019

Revised Sediment LUC RD		
Internal Draft	--	10/15/2017
Receive Navy Comments	21	11/5/2017
Draft	21	11/26/2017
Receive Agency Comments	45	1/10/2018
Navy RTC to Agencies	45	2/24/2018
Draft Final	45	4/10/2018
Concurrence	30	5/10/2018
Final	30	6/9/2018

Revised LTM Plan		
Internal Draft	--	10/15/2017
Receive Navy Comments	21	11/5/2017
Draft	21	11/26/2017
Receive Agency Comments	45	1/10/2018
Navy RTC to Agencies	45	2/24/2018
Draft Final	45	4/10/2018
Concurrence	30	5/10/2018
Final	30	6/9/2018

Sink Hole Investigation		
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Site Schedule
 Site 19 - Derecktor Shipyard Onshore
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Implement Groundwater Sampling	--	7/17/2016

Sink Hole Investigation SAP		
Internal Draft SAP	--	--
Receive Navy Comments	30	--
Draft	30	--
Receive EPA Comments	45	--
Receive RIDEM Comments	45	--
Navy RTC to Agencies	30	--
Draft Final	30	--
Agency Concurrence	30	--
Final	21	6/2/2016

Sink Hole Investigation HASP		
Internal Draft	30	7/2/2016
Internal Final	30	8/1/2016

Sink Hole Investigation		
Fieldwork Start	30	8/9/2016
Fieldwork Complete	14	8/10/2016

Sink Hole Tech Memo		
Internal Draft	30	9/16/2016
Receive Navy Comments	30	10/16/2016
Draft	30	11/15/2016
Receive EPA Comments	45	12/30/2016
Receive RIDEM Comments	45	12/30/2016
Navy RTC to Agencies	30	1/29/2017
Draft Final	30	2/28/2017
Agency Concurrence	30	3/30/2017
Final	21	4/20/2017

RACR		
Internal Draft	60	8/29/2018
Receive Navy Comments	21	9/19/2018
Draft	38	10/27/2018
Receive EPA Comments	45	12/11/2018
Receive RIDEM Comments	45	12/11/2018
Navy RTC to Agencies	45	1/25/2019
Draft Final	45	3/11/2019
Agency Concurrence	14	3/25/2019
Final	30	4/24/2019

GW LTM Plan		
Well Inventory	--	11/12/2015
Internal Draft	30	4/21/2016
Receive Navy Comments	21	5/12/2016

Site Schedule
 Site 19 - Derecktor Shipyard Onshore
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Draft	--	10/14/2016
Receive EPA Comments	45	11/28/2016
Receive RIDEM Comments	45	11/28/2016
Navy RTC to Agencies	32	12/30/2016
Draft Final	32	1/31/2017
Agency Concurrence	30	3/2/2017
Final	30	4/1/2017
GW LTM HASP		
Internal Draft	30	1/31/2017
Internal Final	60	4/1/2017
GW LTM Year 1		
Start field program	60	5/31/2017
Complete field program	60	7/30/2017
GW LTM Year 1 Report		
Internal Draft	90	10/28/2017
Receive Navy Comments	21	11/18/2017
Draft	14	12/2/2017
Receive EPA Comments	45	1/16/2018
Receive RIDEM Comments	45	1/16/2018
Navy RTC to Agencies	45	3/2/2018
Draft Final	45	4/16/2018
Agency Concurrence	30	5/16/2018
Final	30	6/15/2018

Site Schedule
 Site 19 - Derecktor Shipyard Offshore
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
SASE		
Final	--	12/18/2012
FS		
Final	--	5/2/2014
Proposed Plan		
Final	--	5/17/2014
Public Notice	--	5/26/2014
ROD		
Internal Draft	--	5/9/2014
Navy Review	--	5/24/2014
Draft	--	6/13/2014
Agency Comments	--	7/13/2014
Navy RTC to Agencies	--	7/28/2014
Draft Final	--	8/26/2014
Agency Concurrence	--	8/29/2014
Final	--	9/3/2014
Public Notice	--	9/10/2014
Signature	--	9/16/2014
LUC RD		
Internal Draft	--	--
Navy Review	--	--
Draft	--	--
Agency Comments	--	--
Navy RTC to Agencies	--	--
Draft Final	--	--
Agency Concurrence	--	--
Final	--	--
Sediment PDI SAP		
Initial Worksheets (10, 11 & 17)	--	--
Navy Comments	--	--
Internal Draft	7	9/30/2014
Navy Comments	7	10/7/2014
Draft	14	10/21/2014
Agency Comments	30	11/20/2014
Agency Concurrence	30	1/30/2015
Final	--	3/5/2015
Sediment PDI HASP		
Internal Draft	30	1/6/2015
Internal Final	60	3/5/2015
Sediment PDI Field Investigation (Phase I)		
Mobilization	--	3/23/2015
Field Program	--	4/23/2015
Analysis, Validation, Evaluation	30	5/23/2015
Sediment PDI Results (Phase I)		
Internal Draft	--	--

Site Schedule
 Site 19 - Derecktor Shipyard Offshore
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Navy Review	--	--
Final	--	4/10/2015
Sediment PDI SAP (Phase II)		
Internal Draft SAP	--	9/20/2015
Final SAP	--	9/30/2015
Sediment PDI HASP (Phase II)		
Internal Draft HASP	--	9/20/2015
Final HASP	--	9/30/2015
Sediment PDI Field Investigation (Phase II)		
Mobilization	5	11/16/2015
Field Program	10	11/26/2015
Quick Internal Results	21	12/17/2015
Analysis, Validation, Evaluation	50	1/15/2016
Sediment PDI Results (Phase II)		
Internal Draft	7	2/16/2016
Navy Review	14	3/1/2016
Final	14	3/23/2016
Sediment RDWP		
Internal Draft	--	--
Navy Review	--	--
Draft	--	10/21/2014
Agency Comments	--	--
Navy RTC to Agencies	--	--
Draft Final	--	--
Agency Concurrence	--	--
Final	--	--
Sediment RD		
Internal Draft	60	1/12/2015
Navy Review	16	1/28/2015
Draft (60%)	14	2/11/2015
Agency Comments	30	3/13/2015
Navy RTC to Agencies	14	3/27/2015
Draft Final (85%)	30	8/11/2015
Agency Concurrence	14	9/15/2015
Final (100%)	--	10/19/2015
Sediment Dredging RAWP		
Internal Draft	--	9/24/2015
Navy Review	14	10/8/2015
Draft	--	10/23/2015
Agency Comments	17	11/9/2015
Navy RTC to Agencies	21	2/16/2016
RA Start	--	12/10/2015
Agency Concurrence	14	4/12/2016
Final	11	4/23/2016
Sediment CAP RAWP		

Site Schedule
 Site 19 - Derecktor Shipyard Offshore
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Internal Draft	--	--
Navy Review	--	--
Draft	--	4/8/2016
EPA Comments	--	8/23/2016
RIDEM Comments	--	--
Navy RTC to Agencies	--	9/23/2016
Draft Final	--	9/23/2016
Agency Concurrence	30	10/23/2016
Final	30	11/22/2016
Sediment RA HASP		
Internal Draft	30	3/1/2016
Internal Final	60	3/15/2016
Sediment RA Construction		
Start Construction	60	12/18/2015
Complete Construction	270	12/22/2016
Sediment RA CCR		
Internal Draft	45	1/26/2017
Navy Review	14	2/9/2017
Draft	21	3/2/2017
Receive EPA Comments	60	5/1/2017
Receive RIDEM Comments	60	5/1/2017
Navy RTC to Agencies	17	5/18/2017
Agency Concurrence	30	6/17/2017
Final	32	7/19/2017
RACR		
Internal Draft	30	8/18/2017
Receive Navy Comments	14	9/1/2017
Draft	--	9/18/2017
Receive EPA Comments	45	11/2/2017
Receive RIDEM Comments	45	11/2/2017
Navy RTC to Agencies	45	12/17/2017
Draft Final	45	1/31/2018
Agency Concurrence	30	3/2/2018
Final	30	4/1/2018

Site Schedule
 Site 22 - Carr Point Storage Area
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
RI SAP		
Final	--	4/22/2014
RI Report		
Internal Draft	30	10/22/2014
Navy Review	14	11/5/2014
Draft	16	11/21/2014
Agency Comments	45	3/6/2015
Navy RTC to Agencies	45	4/24/2015
Draft Final	--	--
Agency Concurrence	30	8/9/2015
Final	30	9/9/2015
Soil and GW PDI SAP Scoping		
Tier I Scoping Session	7	3/18/2015
Soil and GW PDI SAP Addendum		
Internal Draft	--	12/28/2015
Navy Comments	14	1/11/2016
Agency Discussion	--	6/22/2016
Draft	45	8/19/2016
Team Discussion on Review/Comments	--	10/5/2016
Receive EPA Comments	10	10/15/2016
Receive RIDEM Comments	10	10/15/2016
Navy RTCs and Draft Final	21	11/5/2016
Agency Concurrence	14	11/19/2016
Navy RTCs and Final	14	12/3/2016
Soil and GW PDI HASP		
Internal Draft	--	11/5/2016
Internal Final	30	12/5/2016
Soil and GW PDI Field Investigation		
Mobilization	21	12/24/2016
Field Program	180	6/22/2017
Analysis, Validation, Evaluation	45	8/6/2017
Soil and GW PDI Results Tech Memo		
Package Results for FS Appendix	21	8/27/2017
FS		
Agency Discussion on Possible Decision Units	--	1/20/2015
Agency Concurrence on RAOs	--	8/19/2015
RAA	--	1/28/2016
Internal Draft	--	2/18/2016
Navy Review	21	3/10/2016
Draft	21	4/11/2016
Receive EPA Comments	--	6/20/2016
Receive RIDEM Comments	--	10/21/2016
Tech Memo on Risk-Reduction Scenarios	--	10/21/2016
Navy RTC to Agencies	45	12/5/2016
Team Discussion and Expectation of PDI Results	--	8/27/2017
Draft Final	30	9/26/2017
Agency Concurrence	45	11/10/2017

Site Schedule
 Site 22 - Carr Point Storage Area
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Final	30	12/10/2017
Proposed Plan		
Internal Draft	30	12/10/2017
Navy Review	30	1/9/2018
Draft	17	1/26/2018
Receive EPA Comments	45	3/12/2018
Receive RIDEM Comments	45	3/12/2018
Navy RTC to Agencies	45	4/26/2018
Draft Final	45	6/10/2018
Agency Concurrence	30	7/10/2018
Final	30	8/9/2018
Public Notice	30	9/8/2018
Public Hearing	--	--
ROD		
Internal Draft	--	6/10/2018
Navy Review	21	7/1/2018
Draft	21	7/22/2018
Receive EPA Comments	45	9/5/2018
Receive RIDEM Comments	45	9/5/2018
Navy RTC to Agencies	45	10/20/2018
Draft Final	45	12/4/2018
Agency Concurrence	30	1/3/2019
Final	30	2/2/2019
Signature	30	3/4/2019
Public Notice	14	3/18/2019
LUC RD		
Internal Draft	30	3/4/2019
Navy Review	21	3/25/2019
Draft	21	4/15/2019
Receive EPA Comments	45	5/30/2019
Receive RIDEM Comments	45	5/30/2019
Navy RTC to Agencies	45	7/14/2019
Draft Final	45	8/28/2019
Agency Concurrence	30	9/27/2019
Final	30	10/27/2019
Soil RDWP		
Internal Draft	60	4/3/2019
Navy Review	21	4/24/2019
Draft	21	5/15/2019
Receive EPA Comments	30	6/14/2019
Receive RIDEM Comments	30	6/14/2019
Navy RTC to Agencies	30	7/14/2019
Draft Final	30	8/13/2019
Agency Concurrence	30	9/12/2019
Final	30	10/12/2019
Soil RD		

Site Schedule
 Site 22 - Carr Point Storage Area
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Internal Draft	30	6/14/2019
Navy Review	21	7/5/2019
Draft (60%)	21	7/26/2019
Receive EPA Comments	30	8/25/2019
Receive RIDEM Comments	30	8/25/2019
Navy RTC to Agencies	30	9/24/2019
Draft Final (85%)	45	11/8/2019
Agency Concurrence	30	12/8/2019
Final (100%)	30	1/7/2020
Soil RAWP		
Internal Draft	30	12/8/2019
Navy Review	21	12/29/2019
Draft	21	1/19/2020
Receive EPA Comments	30	2/18/2020
Receive RIDEM Comments	30	2/18/2020
Navy RTC to Agencies	30	3/19/2020
Agency Concurrence	30	4/18/2020
Final	30	5/18/2020
Soil RA HASP		
Internal Draft	30	4/18/2020
Internal Final	60	5/18/2020
Soil RA Construction		
Start Construction	30	6/17/2020
Complete Construction	180	12/14/2020
Soil RA CCR		
Internal Draft	60	2/12/2021
Navy Review	21	3/5/2021
Draft	21	3/26/2021
Receive EPA Comments	30	4/25/2021
Receive RIDEM Comments	30	4/25/2021
Navy RTC to Agencies	30	5/25/2021
Agency Concurrence	30	6/24/2021
Final	30	7/24/2021
RACR		
Internal Draft	30	8/23/2021
Receive Navy Comments	21	9/13/2021
Draft	14	9/27/2021
Receive EPA Comments	45	11/11/2021
Receive RIDEM Comments	45	11/11/2021
Navy RTC to Agencies	45	12/26/2021
Draft Final	30	1/25/2022
Agency Concurrence	30	2/24/2022
Final	26	3/22/2022
GW LTM Plan		
Internal Draft	60	5/17/2019
Receive Navy Comments	21	6/7/2019

Site Schedule

Site 22 - Carr Point Storage Area

NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Draft	21	6/28/2019
Receive EPA Comments	45	8/12/2019
Receive RIDEM Comments	45	8/12/2019
Navy RTC to Agencies	45	9/26/2019
Draft Final	45	11/10/2019
Agency Concurrence	30	12/10/2019
Final	30	1/9/2020
GW LTM HASP		
Internal Draft	30	11/10/2019
Internal Final	60	1/9/2020
GW LTM Year 1		
Start field program	60	3/9/2020
Complete field program	60	5/8/2020
GW LTM Year 1 Report		
Internal Draft	90	8/6/2020
Receive Navy Comments	21	8/27/2020
Draft	21	9/17/2020
Receive EPA Comments	45	11/1/2020
Receive RIDEM Comments	45	11/1/2020
Navy RTC to Agencies	45	12/16/2020
Draft Final	45	1/30/2021
Agency Concurrence	30	3/1/2021
Final	30	3/31/2021

Site Schedule

Site 23 - Coddington Point Debris Sites

NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
RI SAP		
Final	--	1/27/2013
RI Report		
Internal Draft	30	9/19/2014
Navy Review	14	10/3/2014
Draft	14	10/17/2014
Agency Comments	45	4/8/2015
Navy RTC to Agencies	45	6/30/2015
Draft Final	--	--
EPA Concurrence	30	9/28/2015
RIDEM Concurrence	--	1/11/2016
RLSO Final	14	1/25/2016
Agency Concurrence	90	4/11/2016
Final	7	6/3/2016
ACM Debris Removal		
ACM debris removal SOW	--	3/1/2016
ACM debris removal	16	8/31/2016
ACM debris removal tech memo	14	9/14/2016
FS		
Agency Concurrence on RAOs	--	8/19/2015
RAA	--	10/18/2015
Internal Draft	--	2/4/2016
Navy Review	21	2/25/2016
Draft	21	2/25/2016
Receive EPA Comments	45	4/9/2016
Receive RIDEM Comments	45	4/10/2016
Navy RTC to Agencies	45	6/10/2016
Receive EPA comments on RTCs	--	6/30/2016
Team discussion	--	7/19/2016
Navy RTCs to second EPA comments on draft FS	--	9/1/2016
Team Discussion	--	9/22/2016
Draft Final	--	11/13/2016
Agency Concurrence	30	12/13/2016
Final	30	1/12/2017
Soil PDI SAP Scoping		
Internal Scoping Table	--	6/29/2016
Navy Review and Discussion	14	7/13/2016
Tier I Scoping Session	--	9/22/2016
Soil PDI SAP		
Team Discussion	--	9/22/2016
Internal Draft	--	10/31/2016
Navy Comments	14	11/14/2016
Draft	14	11/28/2016
Agency Comments	30	12/28/2016
Navy RTC to Agencies	21	1/18/2017
Agency Concurrence	14	2/1/2017

Site Schedule

Site 23 - Coddington Point Debris Sites

NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Final	21	2/22/2017
Soil PDI HASP		
Internal Draft	--	2/1/2017
Internal Final	--	2/22/2017
Soil PDI Field Investigation		
Mobilization	14	3/8/2017
Field Program	21	3/29/2017
Analysis, Validation, Evaluation	30	4/28/2017
Soil PDI Results Tech Memo		
Internal Draft	21	5/19/2017
Navy Review	14	6/2/2017
Draft	14	6/16/2017
Receive EPA Comments	30	7/16/2017
Receive RIDEM Comments	30	7/16/2017
RTCs and Agency Concurrence	30	8/15/2017
Final	30	9/14/2017
Proposed Plan		
Internal Draft	30	1/12/2017
Navy Review	30	2/11/2017
Draft	30	3/13/2017
Receive EPA Comments	45	4/27/2017
Receive RIDEM Comments	45	4/27/2017
Navy RTC to Agencies	45	6/11/2017
Draft Final	45	9/14/2017
Agency Concurrence	30	10/14/2017
Final	30	11/13/2017
Public Notice	30	12/13/2017
Public Hearing	--	--
ROD		
Internal Draft	45	11/28/2017
Navy Review	21	12/19/2017
Draft	30	1/18/2018
Receive EPA Comments	45	3/4/2018
Receive RIDEM Comments	45	3/4/2018
Navy RTC to Agencies	45	4/18/2018
Draft Final	45	6/2/2018
Agency Concurrence	30	7/2/2018
Final	30	8/1/2018
Signature	30	8/31/2018
Public Notice	14	9/14/2018
LUC RD		
Internal Draft	30	8/31/2018
Navy Review	21	9/21/2018
Draft	21	10/12/2018
Receive EPA Comments	45	11/26/2018

Site Schedule

Site 23 - Coddington Point Debris Sites

NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Receive RIDEM Comments	45	11/26/2018
Navy RTC to Agencies	45	1/10/2019
Draft Final	45	2/24/2019
Agency Concurrence	30	3/26/2019
Final	30	4/25/2019
Soil RDWP		
Internal Draft	60	9/30/2018
Navy Review	21	10/21/2018
Draft	21	11/11/2018
Receive EPA Comments	30	12/11/2018
Receive RIDEM Comments	30	12/11/2018
Navy RTC to Agencies	30	1/10/2019
Draft Final	30	2/9/2019
Agency Concurrence	30	3/11/2019
Final	30	4/10/2019
Soil RD		
Internal Draft	30	12/11/2018
Navy Review	21	1/1/2019
Draft (60%)	21	1/22/2019
Receive EPA Comments	30	2/21/2019
Receive RIDEM Comments	30	2/21/2019
Navy RTC to Agencies	30	3/23/2019
Draft Final (85%)	45	5/7/2019
Agency Concurrence	30	6/6/2019
Final (100%)	30	7/6/2019
Soil RAWP		
Internal Draft	30	6/6/2019
Navy Review	21	6/27/2019
Draft	21	7/18/2019
Receive EPA Comments	30	8/17/2019
Receive RIDEM Comments	30	8/17/2019
Navy RTC to Agencies	30	9/16/2019
Agency Concurrence	30	10/16/2019
Final	30	11/15/2019
Soil RA HASP		
Internal Draft	30	10/16/2019
Internal Final	60	11/15/2019
Soil RA Construction		
Start Construction	60	1/14/2020
Complete Construction	180	7/12/2020
Soil RA CCR		
Internal Draft	60	9/10/2020
Navy Review	21	10/1/2020
Draft	21	10/22/2020
Receive EPA Comments	30	11/21/2020

Site Schedule

Site 23 - Coddington Point Debris Sites

NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Receive RIDEM Comments	30	11/21/2020
Navy RTC to Agencies	30	12/21/2020
Agency Concurrence	30	1/20/2021
Final	30	2/19/2021
RACR		
Internal Draft	60	4/20/2021
Receive Navy Comments	21	5/11/2021
Draft	21	6/1/2021
Receive EPA Comments	45	7/16/2021
Receive RIDEM Comments	45	7/16/2021
Navy RTC to Agencies	45	8/30/2021
Draft Final	45	10/14/2021
Agency Concurrence	30	11/13/2021
Final	30	12/13/2021
GW LTM Plan		
Internal Draft	60	11/13/2018
Receive Navy Comments	21	12/4/2018
Draft	21	12/25/2018
Receive EPA Comments	45	2/8/2019
Receive RIDEM Comments	45	2/8/2019
Navy RTC to Agencies	45	3/25/2019
Draft Final	45	5/9/2019
Agency Concurrence	30	6/8/2019
Final	30	7/8/2019
GW LTM HASP		
Internal Draft	30	5/9/2019
Internal Final	60	7/8/2019
GW LTM Year 1		
Start field program	60	9/6/2019
Complete field program	60	11/5/2019
GW LTM Year 1 Report		
Receive Navy Comments	21	11/26/2019
Receive EPA Comments	45	1/10/2020
Receive RIDEM Comments	45	2/24/2020
Navy RTC to Agencies	45	4/9/2020
Draft Final	45	5/24/2020
Final	30	6/23/2020

Site Schedule
MRP Site 1 - Carr Point Shooting Range
NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Soil NTCRA		
Final		9/30/2014
LUC Signs		
Order and Install	--	11/25/2014
Topsoil and Seeding of NTCRA Area		
Decide on whether to proceed now or later	--	TBD
RI SAP		
Final	--	10/16/2013
RI Report		
Internal Draft	--	8/22/2014
Navy Review	10	9/1/2014
Draft	10	9/11/2014
Agency Comments	--	1/9/2015
Navy RTC to Agencies	35	2/13/2015
Draft Final	--	--
Agency Concurrence	--	3/6/2015
Final Section 7.0 for Navy and Agency Review	--	--
Concurrence on Section 7.0	--	4/15/2015
Final	--	5/4/2015
Soil FS PDI SAP Scoping		
Tier I Scoping Session	7	3/18/2015
Soil FS PDI SAP Addendum		
Internal Draft	--	9/1/2015
Navy Comments	--	10/15/2015
Agency Discussion	--	6/22/2016
Draft	51	8/19/2016
Receive EPA Comments	--	10/12/2016
Receive RIDEM Comments	--	10/12/2016
Agency Concurrence	14	10/26/2016
Navy RTCs and Final	21	11/16/2016
Soil FS PDI HASP		
Internal Draft	--	2/11/2016
Internal Final	--	2/26/2016
Soil FS PDI Field Investigation		
Mobilization	14	11/30/2016
Field Program	14	12/14/2016
Analysis, Validation, Evaluation	45	1/28/2017
Soil FS PDI Results Tech Memo		
Package Results for FS Appendix	21	2/18/2017
Soil FS		
Agency Discussion on Possible Decision Units	--	1/20/2015
Agency Discussion of Background Approach	--	3/18/2015
Agency Concurrence on RAOs	14	5/19/2015
RAA for Soil and Groundwater	14	8/6/2015
RAA for Sediment	--	11/4/2015
Internal Draft	--	2/1/2016
Navy Review	21	2/17/2016
Draft	58	4/15/2016
Receive EPA Comments	--	12/17/2016

Site Schedule
MRP Site 1 - Carr Point Shooting Range
NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Receive RIDEM Comments	--	12/17/2016
Team Discussion and Expectation of PDI Results	--	2/18/2017
Internal Draft Final	30	3/20/2017
Navy Review	21	4/10/2017
Draft Final	21	5/1/2017
Receive EPA Comments	30	5/31/2017
Receive RIDEM Comments	30	5/31/2017
Navy RTCs	30	6/30/2017
Agency Concurrence	30	7/30/2017
Final	30	8/29/2017
Sediment FS PDI SAP Scoping		
Tier I Scoping Session	--	9/21/2016
Sediment FS PDI SAP Addendum		
Internal Draft	30	10/21/2016
Navy Comments	21	11/11/2016
Agency Discussion	21	12/2/2016
Draft	45	1/16/2017
Receive EPA Comments	30	2/15/2017
Receive RIDEM Comments	30	2/15/2017
Agency Concurrence	14	3/1/2017
Navy RTCs and Final	14	3/15/2017
Sediment FS PDI HASP		
Internal Draft	--	1/16/2017
Internal Final	30	2/15/2017
Sediment FS PDI Investigation		
Mobilization	14	3/29/2017
Field Program	30	4/28/2017
Analysis, Validation, Evaluation	45	6/12/2017
Sediment PDI Results Tech Memo		
Package Results for FS Appendix	21	7/3/2017
Sediment FS		
Sediment PRG development memoranda	--	7/31/2015
RAA	--	11/5/2016
Internal Draft	--	3/2/2016
Navy Review	--	3/12/2016
Draft	--	6/16/2016
Receive EPA Comments	--	8/11/2016
Receive RIDEM Comments	--	10/21/2016
Tech Memo on Risk-Reduction Scenarios	--	10/21/2016
Navy RTC to Agencies	45	12/5/2016
Team Discussion and Expectation of PDI Results	--	7/3/2017
Draft Final	30	8/2/2017
Agency Concurrence	45	9/16/2017
Final	30	10/16/2017
Proposed Plan		
Internal Draft	30	10/16/2017
Navy Review	30	11/15/2017
Draft	23	12/8/2017
Receive EPA Comments	45	1/22/2018

Site Schedule
MRP Site 1 - Carr Point Shooting Range
NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
Receive RIDEM Comments	45	1/22/2018
Navy RTC to Agencies	45	3/8/2018
Draft Final	45	4/22/2018
Agency Concurrence	30	5/22/2018
Final	30	6/21/2018
Public Notice	30	7/21/2018
Public Hearing	--	--
ROD		
Internal Draft	--	4/22/2018
Navy Review	21	5/13/2018
Draft	21	6/3/2018
Receive EPA Comments	30	7/3/2018
Receive RIDEM Comments	30	7/3/2018
Navy RTC to Agencies	30	8/2/2018
Draft Final	45	9/16/2018
Agency Concurrence	30	10/16/2018
Final	30	11/15/2018
Signature	30	12/15/2018
Public Notice	14	12/29/2018
LUC RD		
Internal Draft	30	12/15/2018
Navy Review	21	1/5/2019
Draft	21	1/26/2019
Receive EPA Comments	45	3/12/2019
Receive RIDEM Comments	45	3/12/2019
Navy RTC to Agencies	45	4/26/2019
Draft Final	45	6/10/2019
Agency Concurrence	30	7/10/2019
Final	30	8/9/2019
Soil/Sediment RDWP		
Internal Draft	60	1/14/2019
Navy Review	21	2/4/2019
Draft	21	2/25/2019
Receive EPA Comments	30	3/27/2019
Receive RIDEM Comments	30	3/27/2019
Navy RTC to Agencies	30	4/26/2019
Draft Final	30	5/26/2019
Agency Concurrence	30	6/25/2019
Final	30	7/25/2019
Soil/Sediment RD		
Internal Draft	30	3/27/2019
Navy Review	21	4/17/2019
Draft (60%)	21	5/8/2019
Receive EPA Comments	30	6/7/2019
Receive RIDEM Comments	30	6/7/2019
Navy RTC to Agencies	30	7/7/2019
Draft Final (85%)	45	8/21/2019
Agency Concurrence	30	9/20/2019

Site Schedule
MRP Site 1 - Carr Point Shooting Range
NAVSTA Newport, Rhode Island

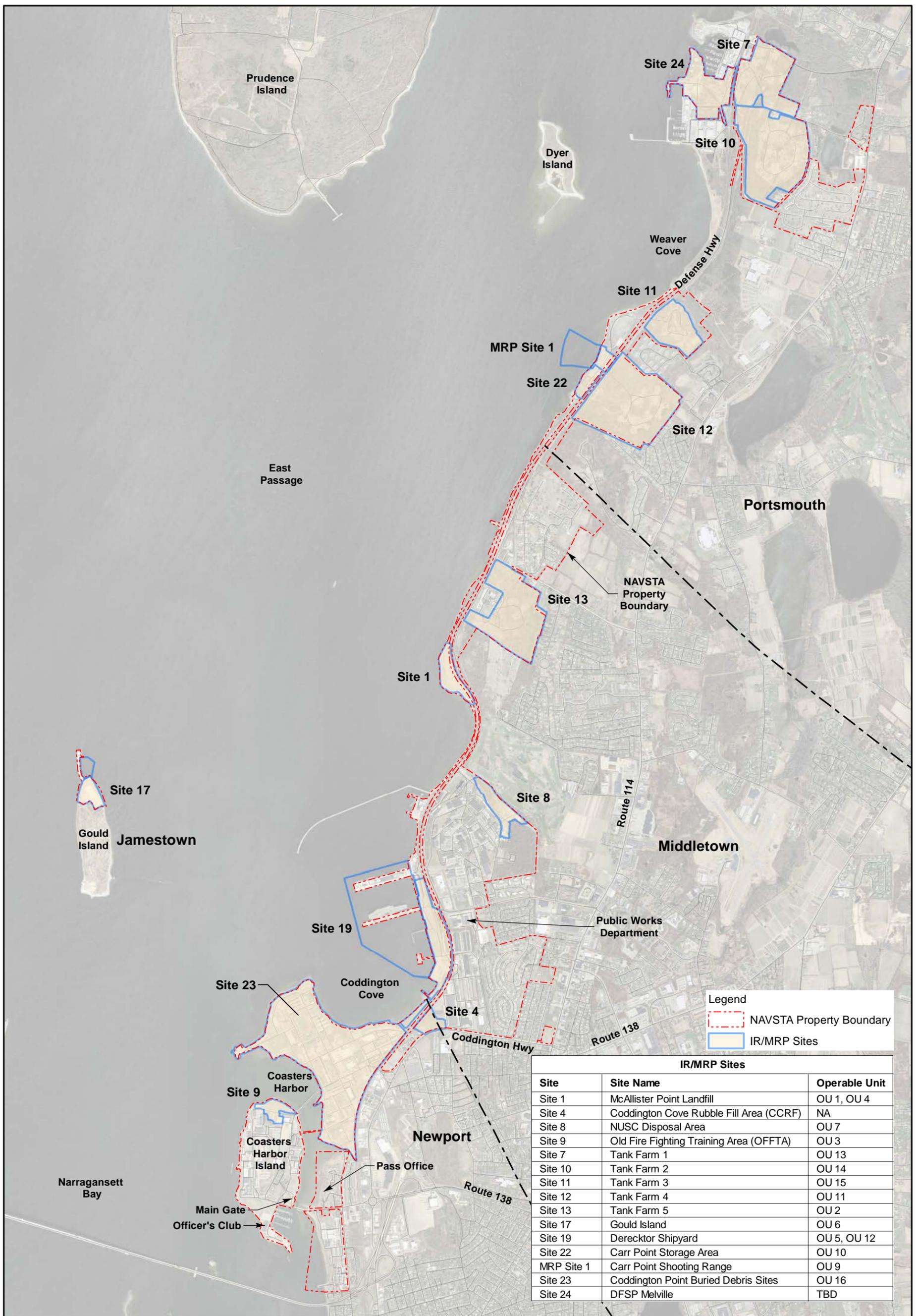
Deliverable Description	Timeframe	Date
Final (100%)	30	10/20/2019
Soil/Sediment RAWP		
Internal Draft	30	9/20/2019
Navy Review	21	10/11/2019
Draft	21	11/1/2019
Receive EPA Comments	30	12/1/2019
Receive RIDEM Comments	30	12/1/2019
Navy RTC to Agencies	30	12/31/2019
Agency Concurrence	30	1/30/2020
Final	30	2/29/2020
Soil/Sediment RA HASP		
Internal Draft	30	1/30/2020
Internal Final	60	2/29/2020
Soil/Sediment RA Construction		
Start Construction	30	3/30/2020
Complete Construction	180	9/26/2020
Soil/Sediment RA CCR		
Internal Draft	60	11/25/2020
Navy Review	21	12/16/2020
Draft	21	1/6/2021
Receive EPA Comments	30	2/5/2021
Receive RIDEM Comments	30	2/5/2021
Navy RTC to Agencies	30	3/7/2021
Agency Concurrence	30	4/6/2021
Final	30	5/6/2021
RACR		
Internal Draft	30	6/5/2021
Receive Navy Comments	21	6/26/2021
Draft	21	7/17/2021
Receive EPA Comments	45	8/31/2021
Receive RIDEM Comments	45	8/31/2021
Navy RTC to Agencies	45	10/15/2021
Draft Final	45	11/29/2021
Agency Concurrence	30	12/29/2021
Final	28	1/26/2022
GW LTM Plan		
Internal Draft	60	2/27/2019
Receive Navy Comments	21	3/20/2019
Draft	21	4/10/2019
Receive EPA Comments	45	5/25/2019
Receive RIDEM Comments	45	5/25/2019
Navy RTC to Agencies	45	7/9/2019
Draft Final	45	8/23/2019
Agency Concurrence	30	9/22/2019
Final	30	10/22/2019
GW LTM HASP		
Internal Draft	30	8/23/2019
Internal Final	60	10/22/2019

Site Schedule
 MRP Site 1 - Carr Point Shooting Range
 NAVSTA Newport, Rhode Island

Deliverable Description	Timeframe	Date
GW LTM Year 1		
Start field program	60	12/21/2019
Complete field program	60	2/19/2020
GW LTM Year 1 Report		
Internal Draft	90	5/19/2020
Receive Navy Comments	21	6/9/2020
Draft	21	6/30/2020
Receive EPA Comments	45	8/14/2020
Receive RIDEM Comments	45	8/14/2020
Navy RTC to Agencies	45	9/28/2020
Draft Final	45	11/12/2020
Agency Concurrence	30	12/12/2020
Final	30	1/11/2021

Appendix C

Figures



Legend

- NAVSTA Property Boundary
- IR/MRP Sites

IR/MRP Sites		
Site	Site Name	Operable Unit
Site 1	McAllister Point Landfill	OU 1, OU 4
Site 4	Coddington Cove Rubble Fill Area (CCRF)	NA
Site 8	NUSC Disposal Area	OU 7
Site 9	Old Fire Fighting Training Area (OFFTA)	OU 3
Site 7	Tank Farm 1	OU 13
Site 10	Tank Farm 2	OU 14
Site 11	Tank Farm 3	OU 15
Site 12	Tank Farm 4	OU 11
Site 13	Tank Farm 5	OU 2
Site 17	Gould Island	OU 6
Site 19	Derecktor Shipyard	OU 5, OU 12
Site 22	Carr Point Storage Area	OU 10
MRP Site 1	Carr Point Shooting Range	OU 9
Site 23	Coddington Point Buried Debris Sites	OU 16
Site 24	DFSP Melville	TBD

Drawn: JB 09/06/2016
 Approved: MK 09/06/2016
 Project #: 60268619

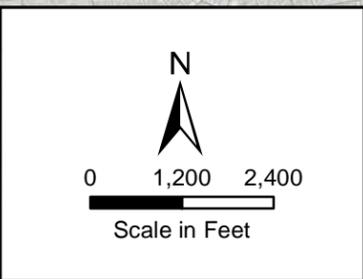
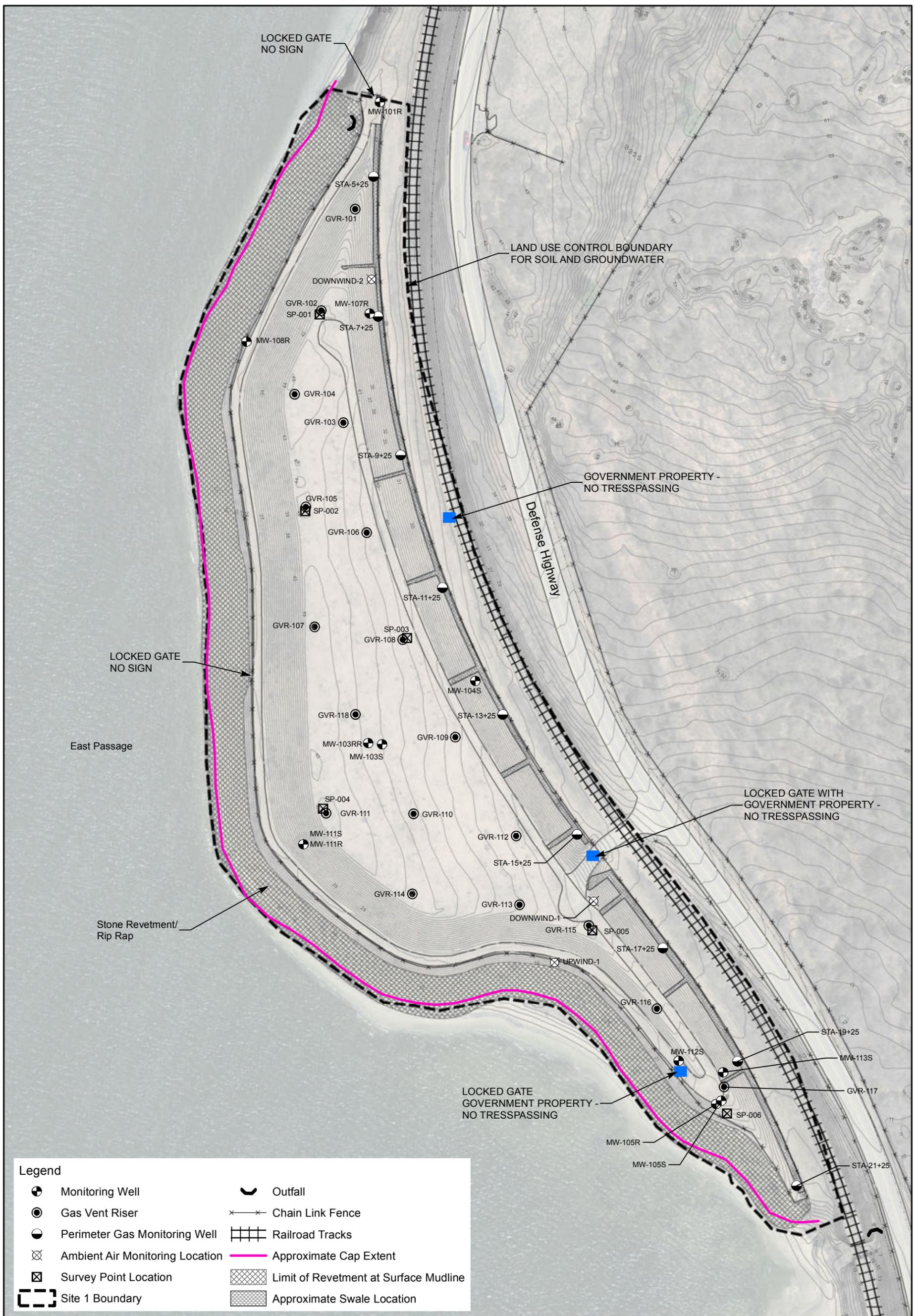


FIGURE 1
REGIONAL LOCATION
NAVSTA NEWPORT, RHODE ISLAND



Legend	
	Monitoring Well
	Gas Vent Riser
	Perimeter Gas Monitoring Well
	Ambient Air Monitoring Location
	Survey Point Location
	Site 1 Boundary
	Outfall
	Chain Link Fence
	Railroad Tracks
	Approximate Cap Extent
	Limit of Revetment at Surface Mudline
	Approximate Swale Location

Drawn:	JB	08/02/2016
Approved:	MK	08/02/2016
Project #:	60268619	

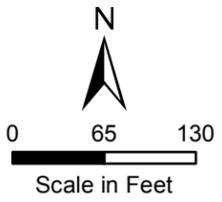
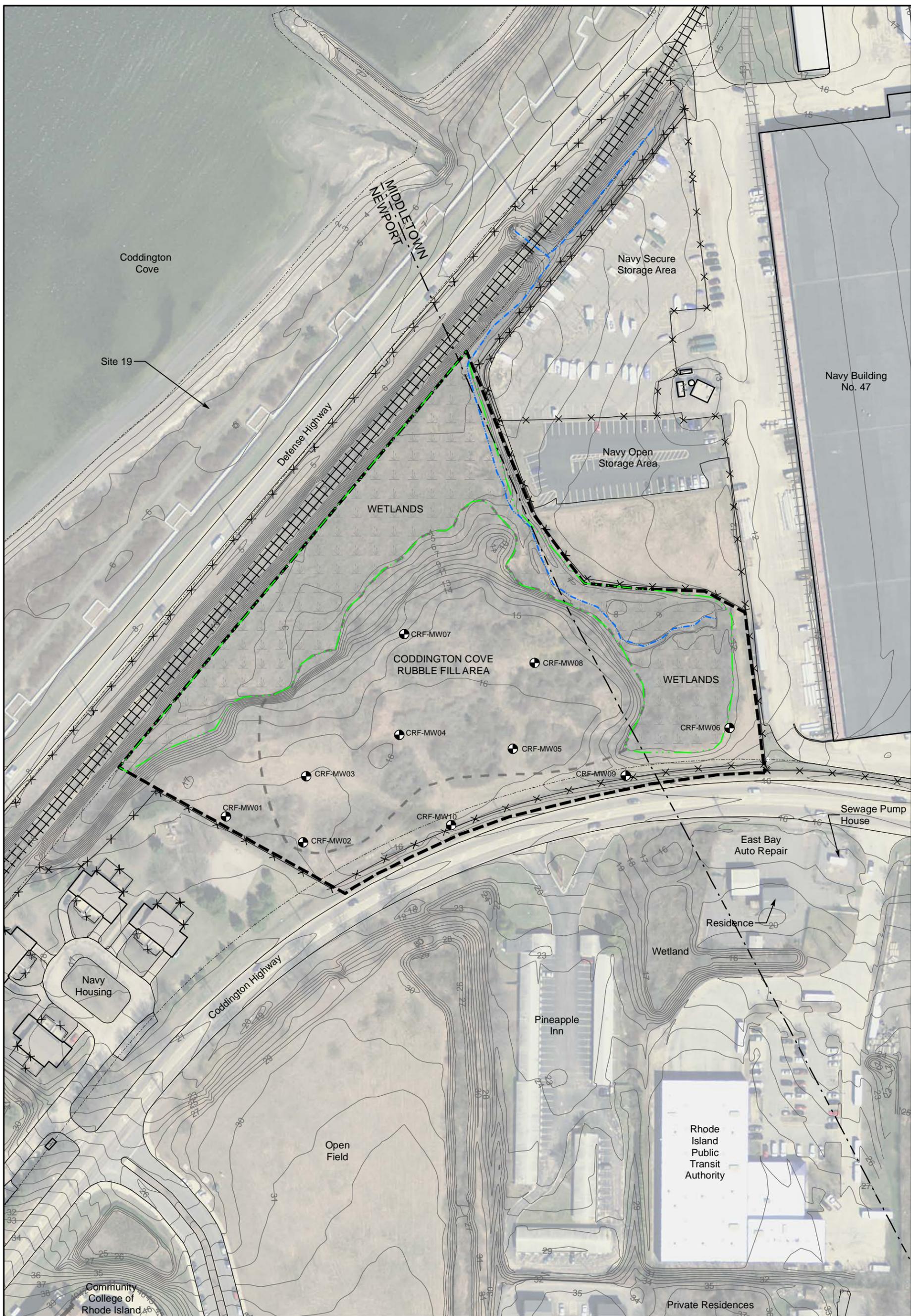


FIGURE 2
SITE MANAGEMENT PLAN

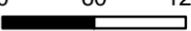
SITE 1 - McALLISTER POINT LANDFILL
NAVSTA NEWPORT, RHODE ISLAND




RESOLUTION CONSULTANTS
 Drawn: JB 09/23/2016
 Approved: MK 09/23/2016
 Project #: 60268619

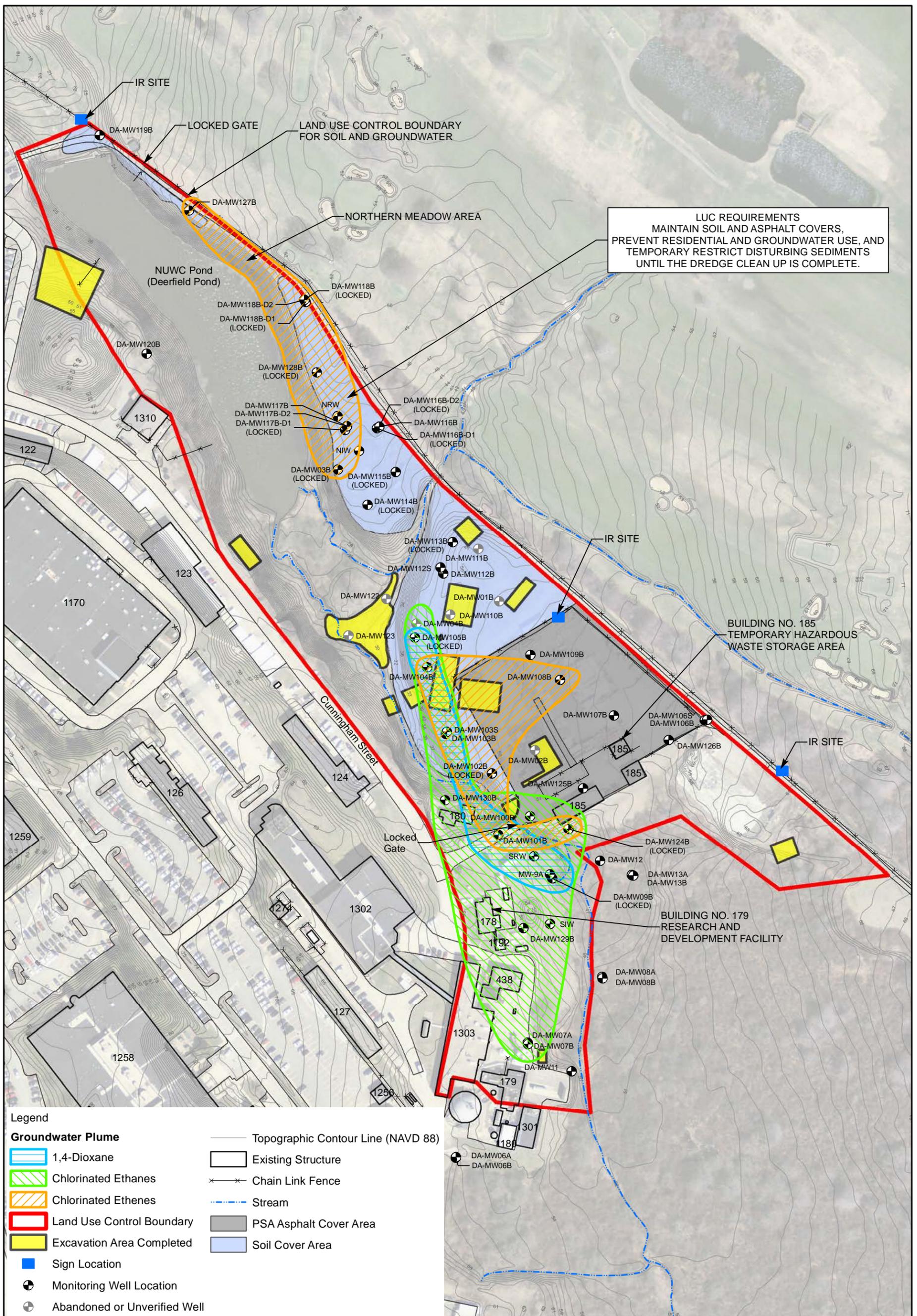
Legend

-  Monitoring Well Location
-  Site 4 Boundary
-  Chain Link Fence
-  Stream
-  Approximate Wetland Area
-  Approximate Extent of Rubble Fill

0 60 120

 Scale in Feet


 N

FIGURE 3
SITE MANAGEMENT PLAN
SITE 4 - CODDINGTON COVE
RUBBLE FILL AREA
NAVSTA NEWPORT, RHODE ISLAND



Legend

1,4-Dioxane	Topographic Contour Line (NAVD 88)
Chlorinated Ethanes	Existing Structure
Chlorinated Ethanes	Chain Link Fence
Land Use Control Boundary	Stream
Excavation Area Completed	PSA Asphalt Cover Area
Sign Location	Soil Cover Area
Monitoring Well Location	
Abandoned or Unverified Well	

RESOLUTION CONSULTANTS

Drawn: JB 09/23/2016
 Approved: MK 09/23/2016
 Project #: 60268619

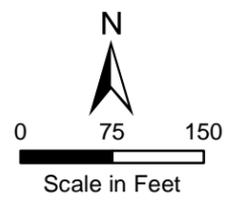
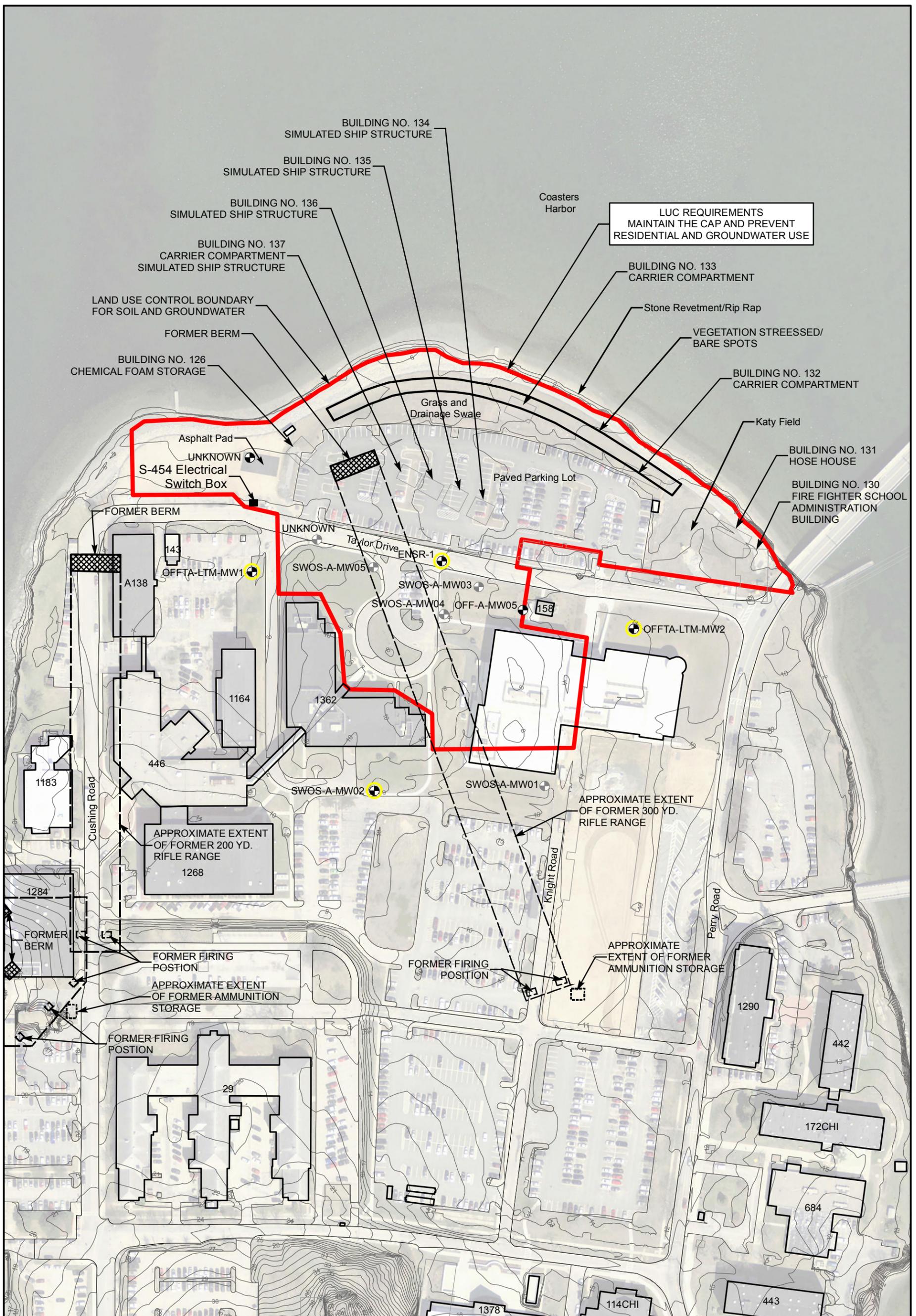


FIGURE 1
GROUNDWATER PLUME

SITE 8 - NUSC DISPOSAL AREA
NAVSTA NEWPORT, RHODE ISLAND



RESOLUTION CONSULTANTS

Drawn: JB 08/17/2016
 Approved: MK 08/17/2016
 Project #: 60268619

Legend

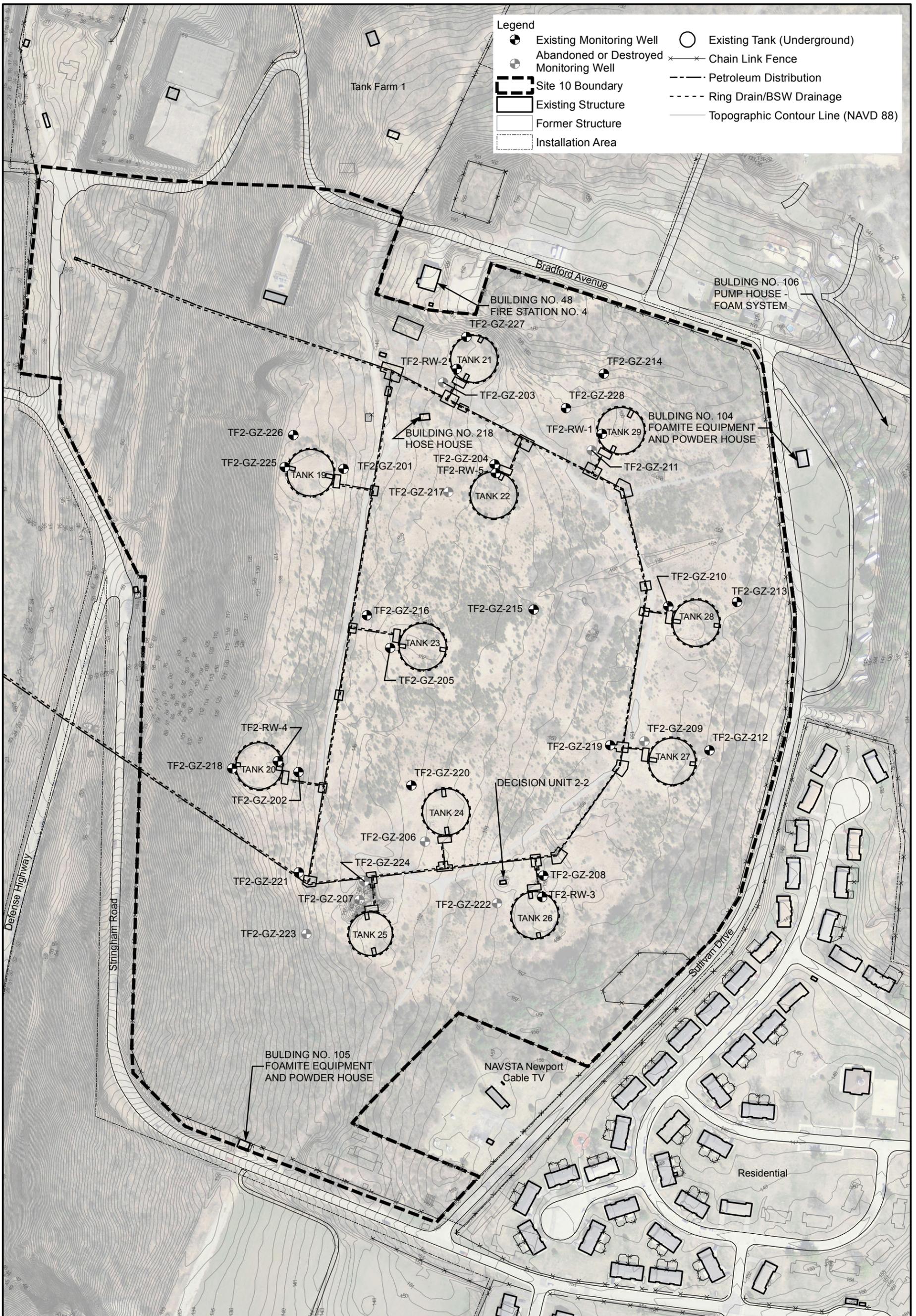
- Land Use Control and Cap Boundary
- Monitoring Well
- Abandoned or Destroyed Monitoring Well
- LTM Well Network
- Topographic Contour Line (NAVD 88)
- Existing Structure

N

0 75 150

Scale in Feet

FIGURE 6
SITE MANAGEMENT PLAN
SITE 9 - OLD FIRE FIGHTING TRAINING AREA
NAVSTA NEWPORT, RHODE ISLAND



Drawn: JB 08/17/2016
 Approved: MK 08/17/2016
 Project #: 60266436

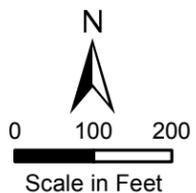
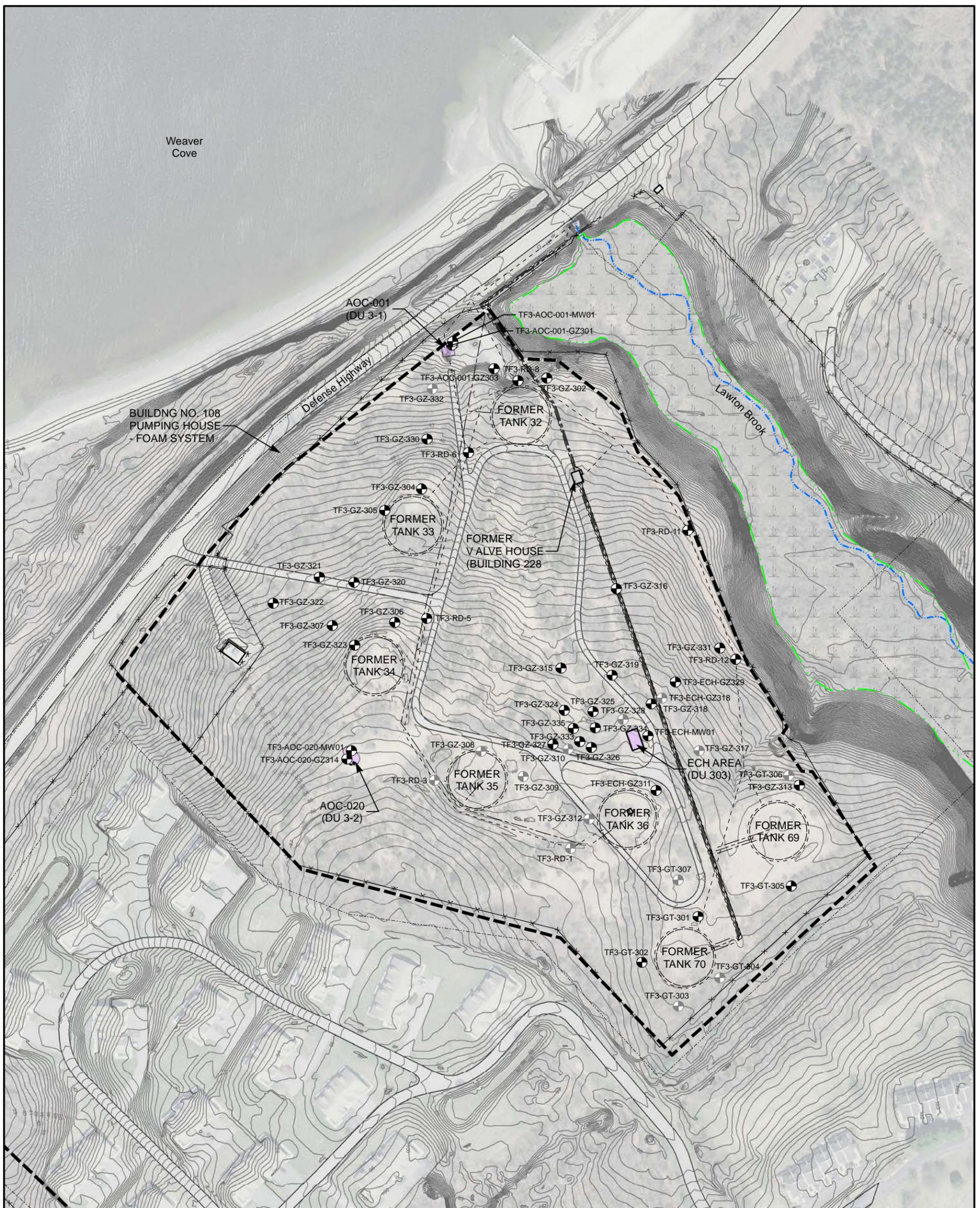


FIGURE 7
SITE MANAGEMENT PLAN

SITE 10 - TANK FARM 2
NAVSTA NEWPORT, RHODE ISLAND



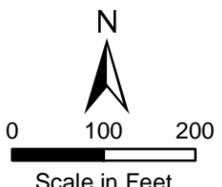
Legend

● Monitoring Well Location	○ Former Tank (Underground)
⊕ Abandoned or Destroyed Monitoring Well	⊗ Chain Link Fence
⬜ Site 11 Boundary	⋯ Petroleum Distribution
⬜ Cat 1 AOC	⋯ Ring Drain/BSW Drainage
⬜ Existing Structure	⋯ Topographic Contour Line (NAVD 88)
⬜ Former Structure	⋯ Wetland
⬜ Installation Area	⋯ Stream



Drawn: JB 08/17/2016
 Approved: MK 08/17/2016
 Project #: 60268619

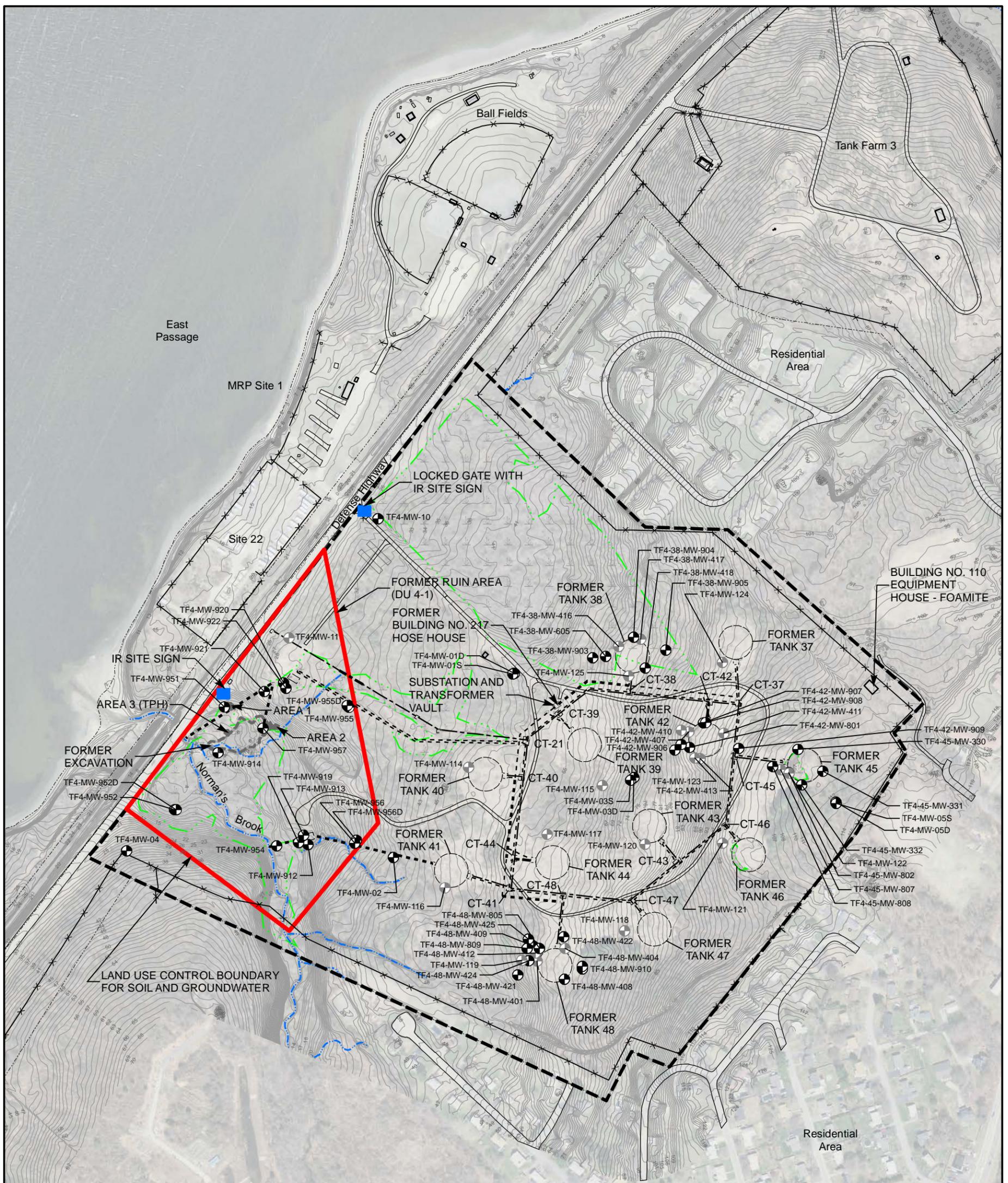
N



Scale in Feet

FIGURE 8
SITE MANAGEMENT PLAN

SITE 11 - TANK FARM 3
NAVSTA NEWPORT, RHODE ISLAND



- Legend**
- Monitoring Well Location
 - ⊕ Abandoned or Destroyed Monitoring Well
 - ⊠ Site 12 Boundary
 - ▭ Land Use Control Boundary
 - Sign Location
 - Topographic Contour Line (NAVD 88)
 - - - Petroleum Distribution (Remaining)
 - - - Petroleum Distribution (Removed)
 - · - · Ring Drain/BSW Drainage (Remaining)
 - · - · Ring Drain/BSW Drainage (Removed)
 - ×-× Chain Link Fence
 - ▭ Existing Structure
 - Former Tank (Underground)
 - Excavation Area
 - · - · Former Excavation
 - · - · Delineated Wetland (Resolution and Ecology and Environment, Inc.)
 - Stream

RESOLUTION CONSULTANTS

Drawn: JB 09/23/2016
 Approved: MK 09/23/2016
 Project #: 60268619

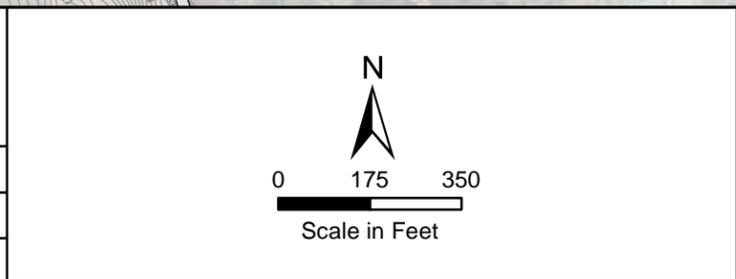
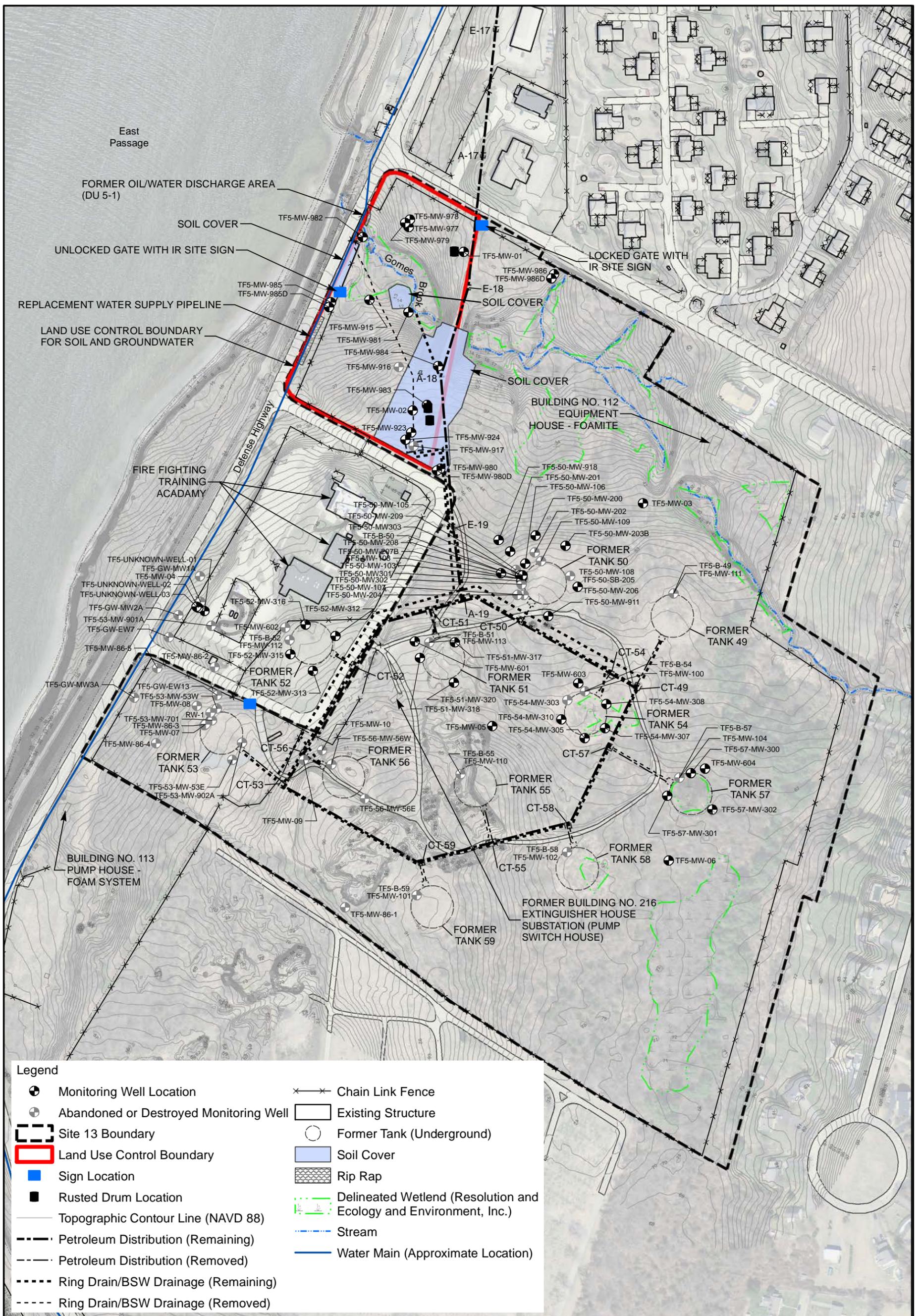


FIGURE 9
SITE MANAGEMENT PLAN

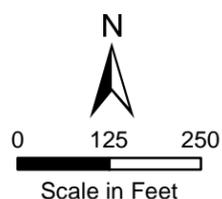
SITE 12 - TANK FARM 4
NAVSTA NEWPORT, RHODE ISLAND

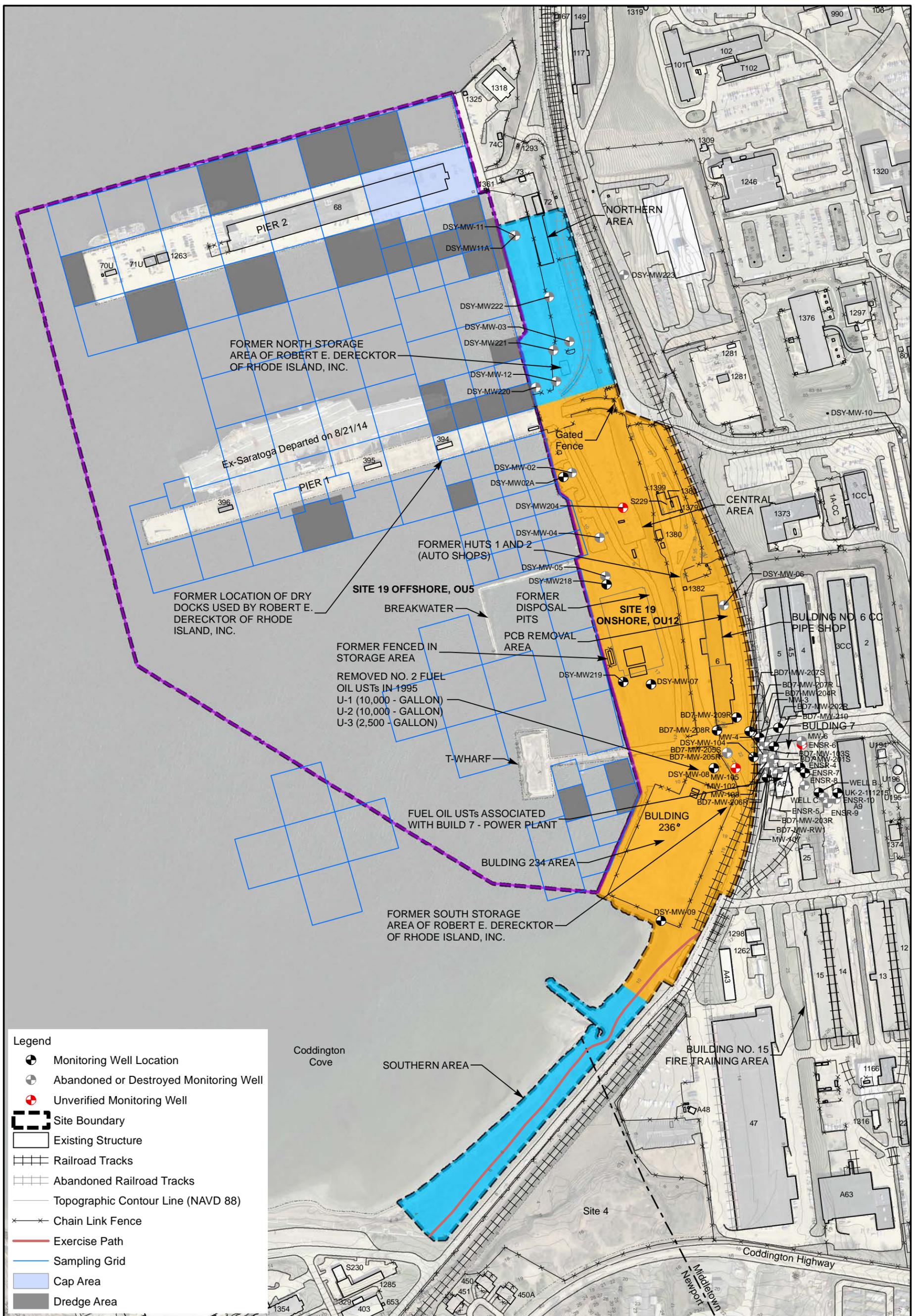


**FIGURE 10
SITE MANAGEMENT PLAN**

**SITE 13 - TANK FARM 5
NAVSTA NEWPORT, RHODE ISLAND**

Drawn:	JB	09/23/2016
Approved:	MK	09/23/2016
Project #:	60268619	



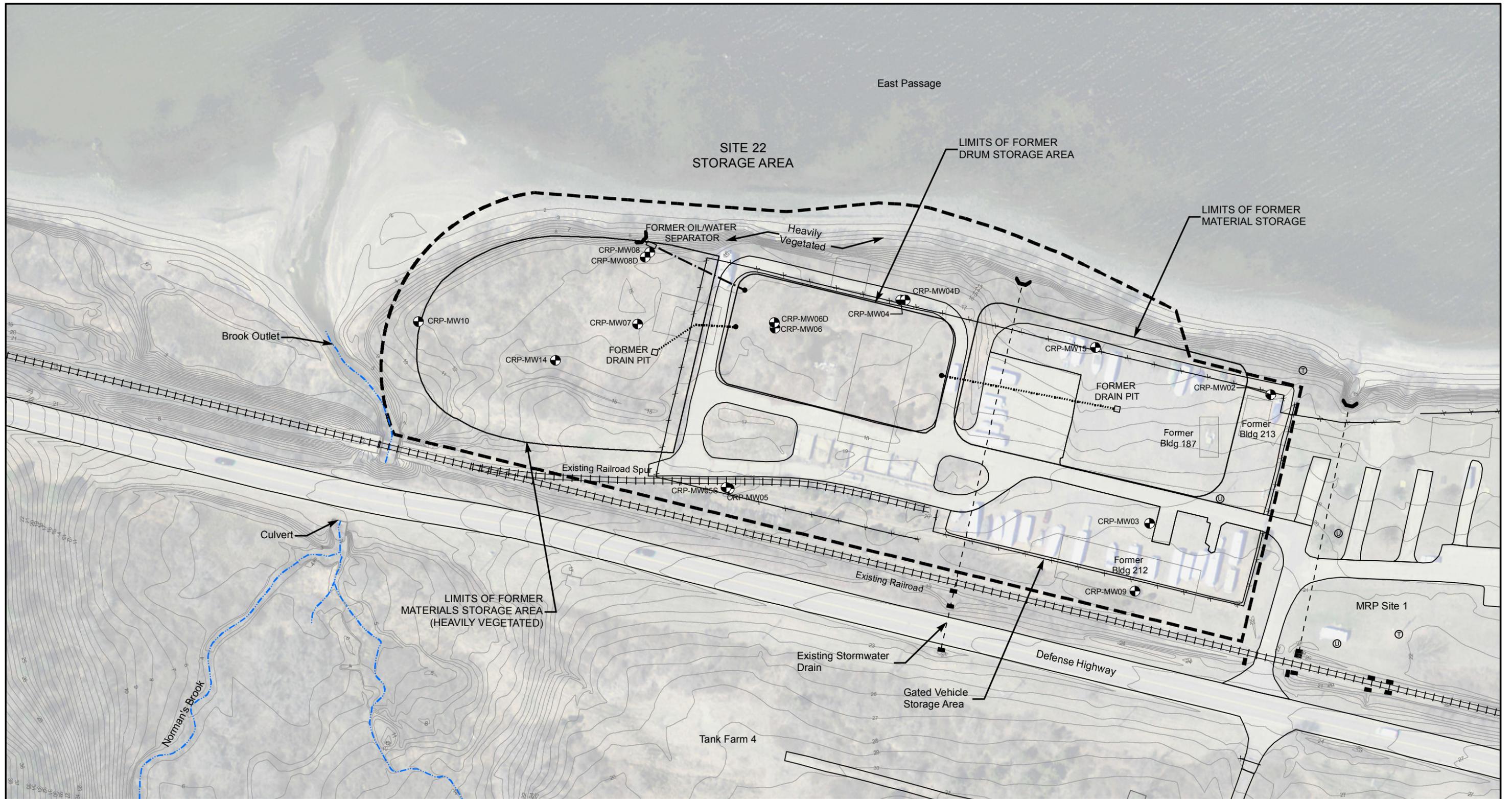


RESOLUTION CONSULTANTS

Drawn: JB 09/26/2016
 Approved: MK 09/26/2016
 Project #: 60268619

0 175 350
 Scale in Feet

FIGURE 12
SITE MANAGEMENT PLAN
SITE 19 - DERECKTOR SHIPYARD
ONSHORE AND OFFSHORE
NAVSTA NEWPORT, RHODE ISLAND



RESOLUTION CONSULTANTS

Drawn: JB 8/17/2016

Approved: MK 8/17/2016

Project #: 60268619

Legend

● Monitoring Well Location	⊕ Utility Pole with Transformer	×-× Fenceline
--- Site 22 Boundary	- - - Stormwater Pipeline	--- Stream
⌒ Outfall	⋯ Potential Former Drain Line	□ Approximate Location of Former Building (Building Number shown where known)
■ Stormwater Culvert	- - - Existing Drain Line	— Topographic Contour Line (NAVD 88)
⊙ Utility Pole		

Scale in Feet: 0 50 100

FIGURE 13
SITE MANAGEMENT PLAN

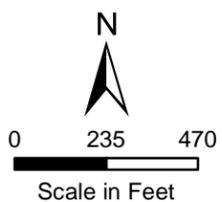
SITE 22 - CARR POINT
NAVSTA NEWPORT, RHODE ISLAND

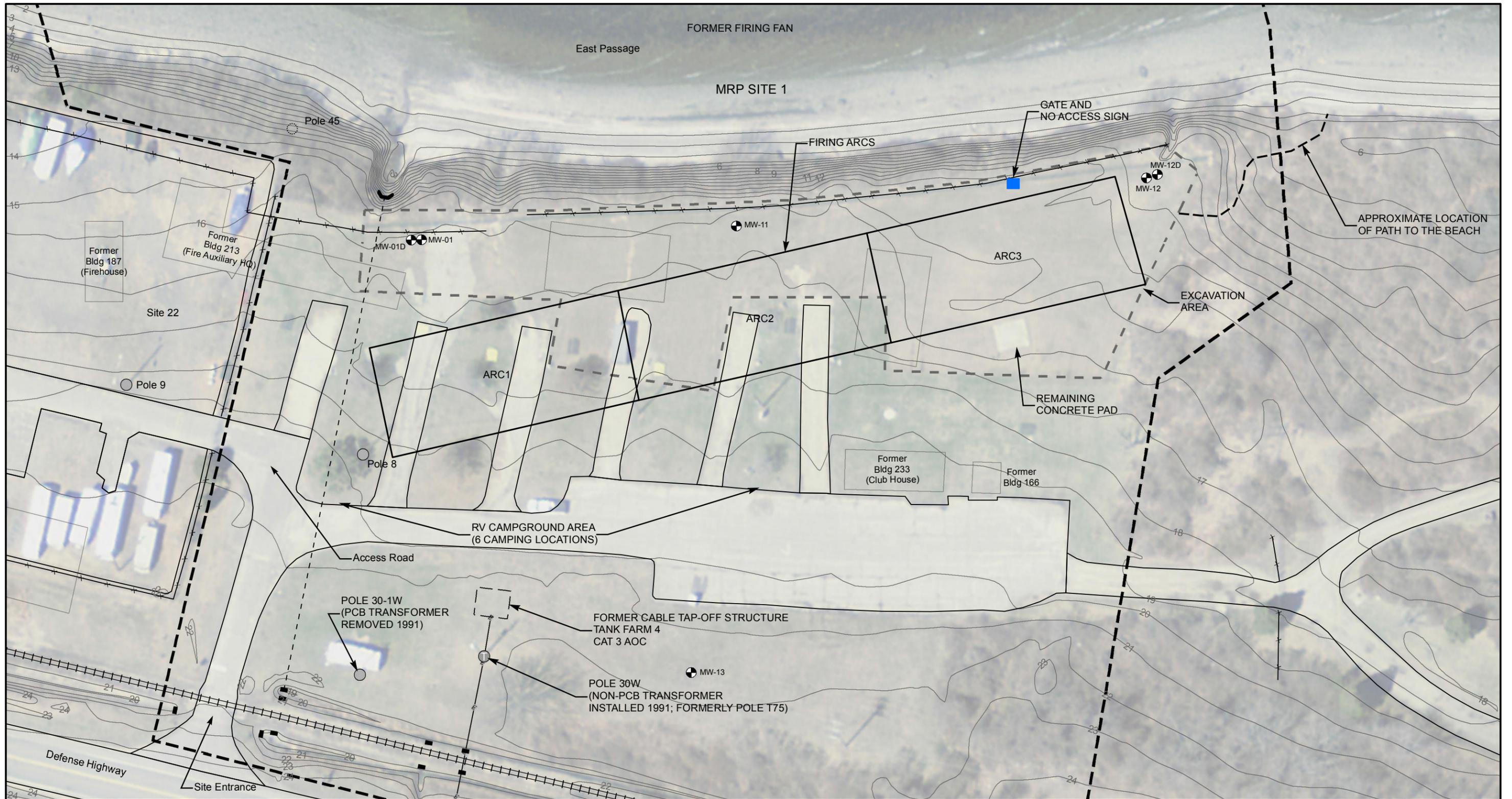


FIGURE 14
SITE MANAGEMENT PLAN

SITE 23 - CODDINGTON POINT
NAVSTA NEWPORT, RHODE ISLAND

 <p>RESOLUTION CONSULTANTS</p>		
Drawn:	JB	09/23/2016
Approved:	NT	09/23/2016
Project #:	60268619	





RESOLUTION CONSULTANTS

Drawn: JB 08/17/2016

Approved: MK 08/17/2016

Project #: 60268619

Legend	<ul style="list-style-type: none"> Monitoring Well Location MRP Site 1 Boundary Utility Pole Utility Pole with Transformer Former Pole with Transformer 	<ul style="list-style-type: none"> Outfall Stormwater Culvert Stormwater Pipeline Topographic Contour Line (NAVD 88) Fence Line 	<ul style="list-style-type: none"> Excavation Area Approximate Location of Former Building (Building Number shown where known) Sign Location
---------------	---	---	--

0 25 50
Scale in Feet

FIGURE 15
SITE MANAGEMENT PLAN

MRP SITE 1 - CARR POINT
NAVSTA NEWPORT, RHODE ISLAND

Appendix D

Fiscal Year Targets

**NAVAL STATION (NAVSTA) NEWPORT
 NEWPORT, RHODE ISLAND
 Environmental Management Executive Committee (EMEC) Targets**

Site	OU	EMEC Target	Year	Qtr
Site 8 - NUSC	OU 7	RA Complete (Final RACR)	FY19	Q4
Site 7 - Tank Farm 1, DU 1-1, 1-2, 1-3 Soil	OU 13	Signed ROD Signed ESD RA Start RA Complete (Final RACR)	FY16 FY17 FY18 FY20	Q4 Q3 Q2 Q1
Site 7 - Tank Farm 1, Tank Farm Wide	OU 13	Signed ROD	FY22	Q4
Site 10 - Tank Farm 2, Tank Farm Wide	OU 14	Signed ROD	FY23	Q2
Site 11 - Tank Farm 3, Tank Farm Wide	OU 15	Signed ROD	FY23	Q2

Notes:

EMEC targets are documented in the Navy's Revised Federal Facilities Agreement Schedule, letter dated August 5, 2016. Site Schedules provided in Appendix B of this SMP provide the team's progress and projections as of September 26, 2016.

**NAVAL STATION (NAVSTA) NEWPORT
 NEWPORT, RHODE ISLAND
 Environmental Management Executive Committee (EMEC) Targets**

Site	OU	EMEC Target	Year	Qtr
Site 12 - Tank Farm 4, DU 4-1	OU 11	RA Complete (Final RACR)	FY17	Q3
Site 12 - Tank Farm 4, Tank Farm Wide	OU 11	Signed ROD	FY21	Q3
Site 13 - Tank Farm 5, DU 5-1	OU 2	RA Complete (Final RACR)	FY18	Q1
Site 13 - Tank Farm 5, Tank Farm Wide	OU 2	Signed ROD	FY21	Q3
Site 17 - Gould Island	OU 6	Signed ESD RA Complete (Final RACR)	FY16 FY18	Q4 Q4

Notes:

EMEC targets are documented in the Navy's Revised Federal Facilities Agreement Schedule, letter dated August 5, 2016. Site Schedules provided in Appendix B of this SMP provide the team's progress and projections as of September 26, 2016.

**NAVAL STATION (NAVSTA) NEWPORT
 NEWPORT, RHODE ISLAND
 Environmental Management Executive Committee (EMEC) Targets**

Site	OU	EMEC Target	Year	Qtr
Site 19 - Derecktor Shipyard Onshore	OU 12	Signed ESD RA Complete (Final RACR)	FY16 FY19	Q4 Q3
Site 19 - Derecktor Shipyard Offshore	OU 5	RA Complete (Final RACR)	FY18	Q3
Site 22 - Carr Point Storage Area	OU 10	Signed ROD RA Start RA Complete (Final RACR)	FY18 FY20 FY21	Q4 Q1 Q4
Site 23 - Coddington Point Debris Sites	OU 16	Signed ROD RA Start RA Complete (Final RACR)	FY18 FY19 FY21	Q2 Q4 Q3

Notes:

EMEC targets are documented in the Navy's Revised Federal Facilities Agreement Schedule, letter dated August 5, 2016. Site Schedules provided in Appendix B of this SMP provide the team's progress and projections as of September 26, 2016.

**NAVAL STATION (NAVSTA) NEWPORT
 NEWPORT, RHODE ISLAND
 Environmental Management Executive Committee (EMEC) Targets**

Site	OU	EMEC Target	Year	Qtr
MRP Site 1 - Carr Point Shooting Range	OU 9	Signed ROD RA Start RA Complete (Final RACR)	FY18 FY20 FY21	Q4 Q1 Q4
Former Defense Fuel Support Point (DFSP), Melville	TBD	Signed ROD	FY21	Q3

Notes:

EMEC targets are documented in the Navy's Revised Federal Facilities Agreement Schedule, letter dated August 5, 2016. Site Schedules provided in Appendix B of this SMP provide the team's progress and projections as of September 26, 2016.