

From: [Valiton, Brian E NAE](#)
To: [Sneeringer, Paul J NAE](#)
Subject: FW: Draft Sampling Memo for Disposing of More Material from New Bedford @ the RISDS Our file #NAE 2007-2709 (UNCLASSIFIED)
Date: Monday, May 21, 2012 2:51:26 PM
Attachments: [DraftSAPExpansion2007-2709 New Bedford HDC29Dec2011.docx](#)
[SAP29Dec2011NAE2007-2709 New Bedford Coord Cover \(2\).docx](#)

Classification: UNCLASSIFIED
Caveats: NONE

-----Original Message-----

From: Valiton, Brian E NAE
Sent: Thursday, December 29, 2011 5:56 PM
To: Olga Guza (Guza-Pabst.Olga@epamail.epa.gov); 'Boeri, Robert (ENV)'; Ken Chin (Ken.Chin@state.ma.us); maria_tur@fws.gov
Cc: Nimeskern, Phillip W NAE
Subject: Draft Sampling Memo for Disposing of More Material from New Bedford @ the RISDS Our file #NAE 2007-2709 (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

Olga/Bob/Ken/Maria: Attached is the cover memo and draft sampling and testing plan memo prepared by Phillip Nimeskern that sets out the sampling and testing that needs to be done for us to determine if the material created from excavating the proposed new CAD cells in New Bedford Harbor can be disposed of at the RISDS.

The Harbor Commission is proposing that additional CAD cells be created.

I dated the cover transmittal memo for the 29 th of December 2011.

10 working days from today is the end of the day on Friday 13 January 2012. Time is going by fast.

Happy New Year if you get this before tomorrow.

Brian Valiton

Classification: UNCLASSIFIED
Caveats: NONE

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Caveats: NONE

DRAFT

CENAE-R-PT-MAS

28 December 2011

MEMORANDUM FOR: Brian Valiton, Project Manager, CENAE-R-PEA

SUBJECT: Draft Sampling and Analysis Plan for New Bedford Harbor Development Commission, New Bedford Harbor, New Bedford and Fairhaven, Massachusetts, Application #2007-2709.

1. In response to your request, I have developed a sampling plan for the above project. The applicant is proposing to increase the area in New Bedford Harbor for CAD cells by approximately **36 acres**. CAD cells will be individually excavated in these areas and their depths will depend on the depth to bedrock. The surficial material will be mechanically dredged and set aside for disposal in the CAD cell while the underlying parent material, an unknown volume of silt, clay and sand, will be mechanically dredged and disposed of at Rhode Island Sound Disposal Site (**RISDS**).

2. Please note that the "Regional Implementation Manual for the Evaluation of Dredged Material Proposed for Disposal in New England Waters" (RIM) is now final and took effect on May 6, 2004. The RIM, as well as requirements for electronic submission of data, may be downloaded from the website <http://www.nae.usace.army.mil/Regulatory/Dredging/RegionalImplementationManual.pdf>

Additionally, the deadline for all laboratories to submit Laboratory Quality Assurance Plans (LQAPs) was **May 6, 2006**. **After this deadline, all data reports from labs that DO NOT have an approved LQAP on record at the Army Corps of Engineers WILL NOT be accepted.** Applicants and their agents should verify that their laboratory and any sub-contracting laboratory has, or is working towards, a valid LQAP before retaining their services.

3. New Bedford Harbor is an industrial harbor with many outfalls and past spills; in particular, PCBs from an upstream factory. Surficial sediments within the harbor have been previously found to be unsuitable for unconfined open water disposal based upon the results of biological testing.

4. **Forty-four cores** should be taken from the area to be dredged according to the attached plan. Cores will be taken to a depth 20 feet below mud line or to refusal. The sediment cores will be kept intact and not transferred into jars. The cores should be inspected for stratification. If the cores show significant stratification, in the opinion of the sampling crew, notes should be made of the depth and thickness of each layer.

At least two samples for chemical analysis will be taken per core. If a sediment core appears homogeneous, six samples will be taken. The top 10' of the core will be cut into five 2' sections and the sixth sample will be taken from

the bottom of the core (within the last foot). Each of these 6 sections will be chemically analyzed. If the core appears to be non-homogenous, with a transition zone between the top and bottom layers, then two samples will be taken. One sample will be taken a foot above the transition zone and the other sample a foot below the transition zone. If there appears to be more than one transition zone within the core, then the samples will be taken at the transition zone closest to the surface.

All sediments being held for testing should be stored in accordance with the requirements of Table 8-2 in Evaluation of Dredged Material Proposed for Ocean Disposal, Testing Manual, 1991.

5. Please provide coordinates for each core location in latitude and longitude, NAD 83 decimal minutes. Required horizontal accuracy of each sample location is 3 meters or less. This accuracy can be achieved with a WAAS-enabled standard boat-mounted or hand-held GPS unit. The accuracy at each sample location shall be reported along with the coordinates. Accuracy can be improved by collecting data at a sampling location for a longer period of time.

6. Each core layer should be individually analyzed for sediment grain size. The analyses should use the Wet Sieve method using sieves numbers 4, 10, 40, and 200.

7. Bulk sediment chemistry analyses should be done on each core layer sample according to the "Regional Implementation Manual for the Evaluation of Dredged Material Proposed for Disposal in New England Waters" (April 2004). The test parameters should be chromium, copper and zinc. The reporting limits should be 0.5 ppm for chromium and copper and 1.0 ppm for zinc. The RIM recommends analytical methods 6010B, 6020, 7190 and 7191 for chromium, methods 6010B, 6020, and 7210 for copper, and methods 6010B, 6020, 7950 for zinc. These analytical methods are recommended but can be replaced by other methods that will give the required reporting limits.

8. The 2004 RIM also introduced new quality control requirements. Quality Control Summary Tables must be completed and included with each data submission. These tables are found in Appendix II of the RIM and are also available on the RIM website.

9. Beginning October 1, 2004, all sediment data was required to be submitted electronically in the electronic data deliverable (EDD) format available on the RIM website. EDD's may be e-mailed or mailed on CD. Hard copy data submission is still required, along with the electronic data submission. Electronic files in a printer-friendly, easy-to-read format (e.g.,

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PDF, MS Word) may be substituted for hard copy submission.

10. Please note the following modification to the 2004 RIM: Any analytes not detected shall be reported as the reporting limit and qualified with a U. Do not report non-detects as the method detection limit (MDL).

11. If you, the applicant or the testing laboratory have any questions, feel free to contact me at 978-318-8660.

PHILLIP NIMESKERN
Project Manager
Marine Analysis Section

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 SUBJECT: **Draft** Sampling Plan for New Bedford Harbor Development
 Commission, New Bedford and Fairhaven, MA, Application #2007-2709.

PURPOSE: TO EXPAND
 EXISTING SUITABILITY
 DETERMINATION

DATUM: MLLW = 0.0
 MLW = 0.12
 MHW = 3.89
 HIGHEST OBS. = 5.63

ENGINEER:
 APEX COMPANIES LLC.
 184 HIGH STREET
 SUITE 502
 BOSTON, MA. 02110

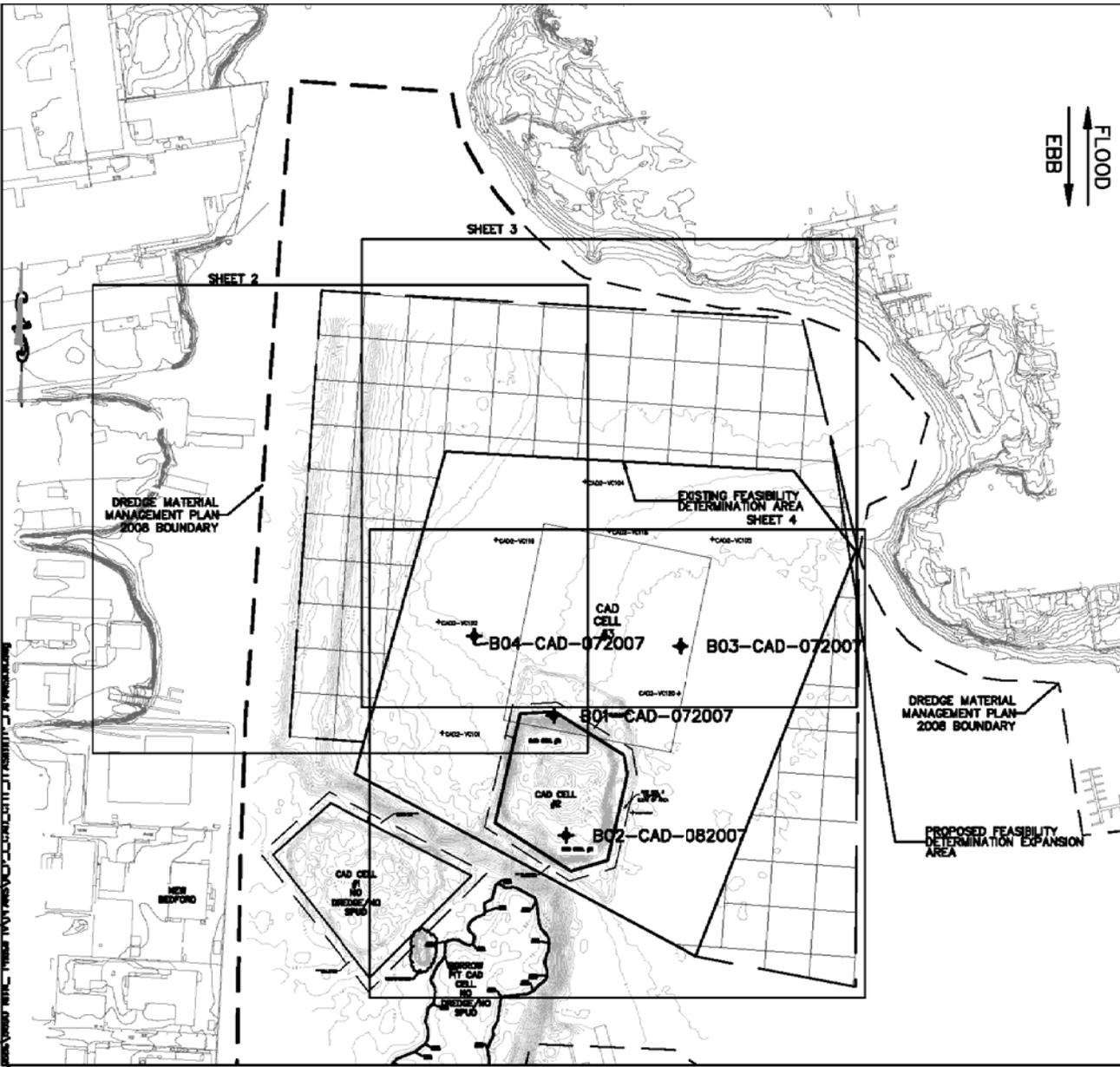
EXISTING CONDITIONS
 WITH PROPOSED
 SAMPLING QUADS



PROPOSED EXPANSION
 OF SUITABILITY
 DETERMINATION IN
 DMMP:

NEW BEDFORD /
 FAIRHAVEN HARBOR
 AT:

NORTH OF POPES
 ISLAND
 NEW BEDFORD, MA
 COUNTY OF: BRISTOL
 DATE: 9-21-11
 SHEET 1 OF 4



SUBJECT: **Draft** Sampling Plan for New Bedford Harbor Development Commission, New Bedford and Fairhaven, MA, Application #2007-2709.

PURPOSE: TO EXPAND EXISTING SUITABILITY DETERMINATION

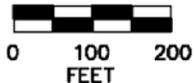
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MLW = 0.12
MHW = 3.89
HIGHEST OBS. = 5.63

ENGINEER: APEX COMPANIES LLC.
184 HIGH STREET
SUITE 502
BOSTON, MA. 02110

EXISTING CONDITIONS WITH PROPOSED SAMPLING QUADS

Modified by PWN, 12/29/11

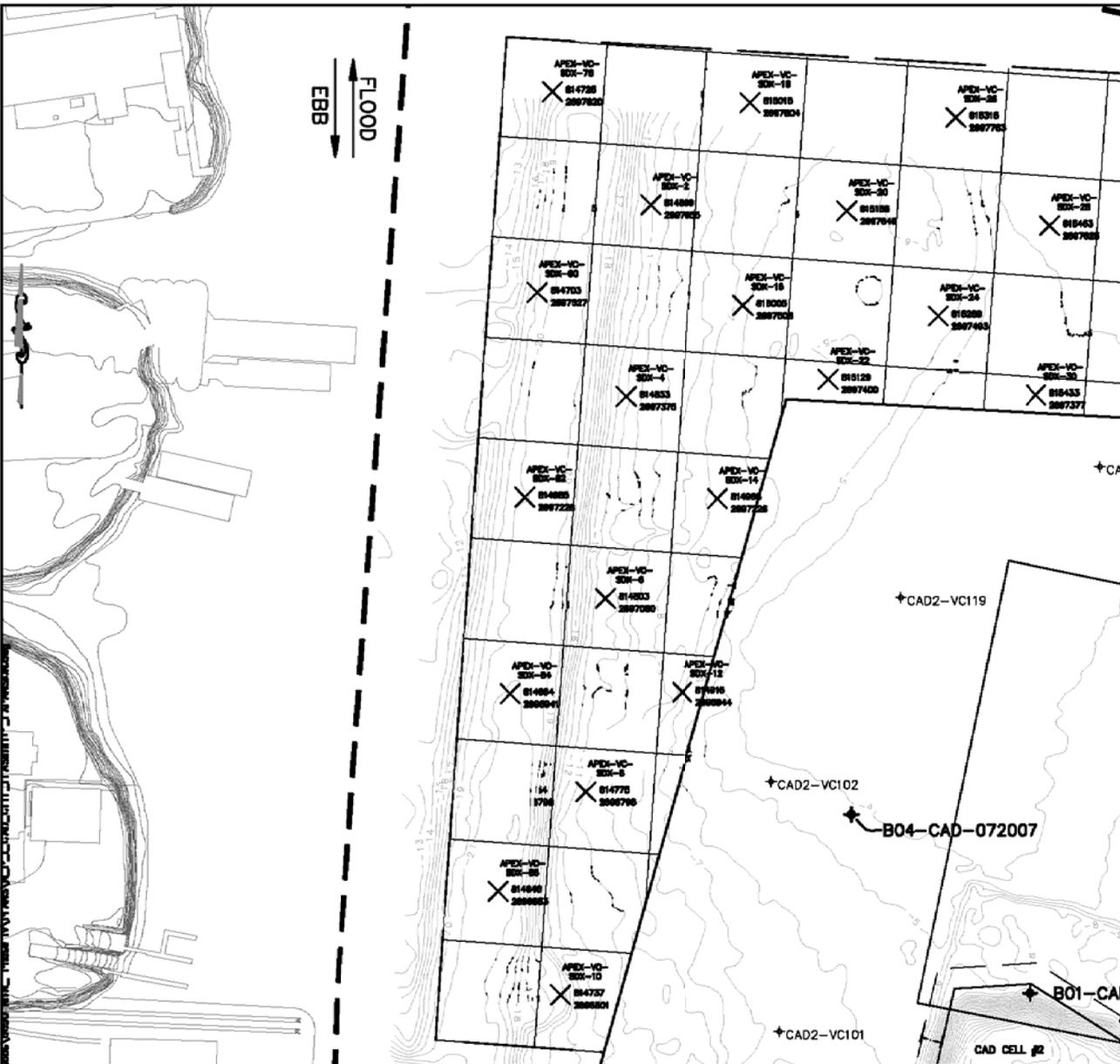
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PROPOSED EXPANSION OF SUITABILITY DETERMINATION IN DMMP:

NEW BEDFORD / FAIRHAVEN HARBOR AT:

NORTH OF POPES ISLAND
NEW BEDFORD, MA
COUNTY OF: BRISTOL
DATE: 11-29-11
SHEET 2 OF 4



CENAE-R-PT
 SUBJECT: **Draft** Sampling Plan for New Bedford Harbor Development
 Commission, New Bedford and Fairhaven, MA, Application #2007-2709.

PURPOSE: TO EXPAND
 EXISTING SUITABILITY
 DETERMINATION

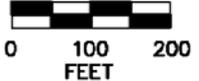
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ENGINEER:
 APEX COMPANIES LLC.
 184 HIGH STREET
 SUITE 502
 BOSTON, MA. 02110

EXISTING CONDITIONS
 WITH PROPOSED
 SAMPLING QUADS

Modified by PWN,
 12/29/11

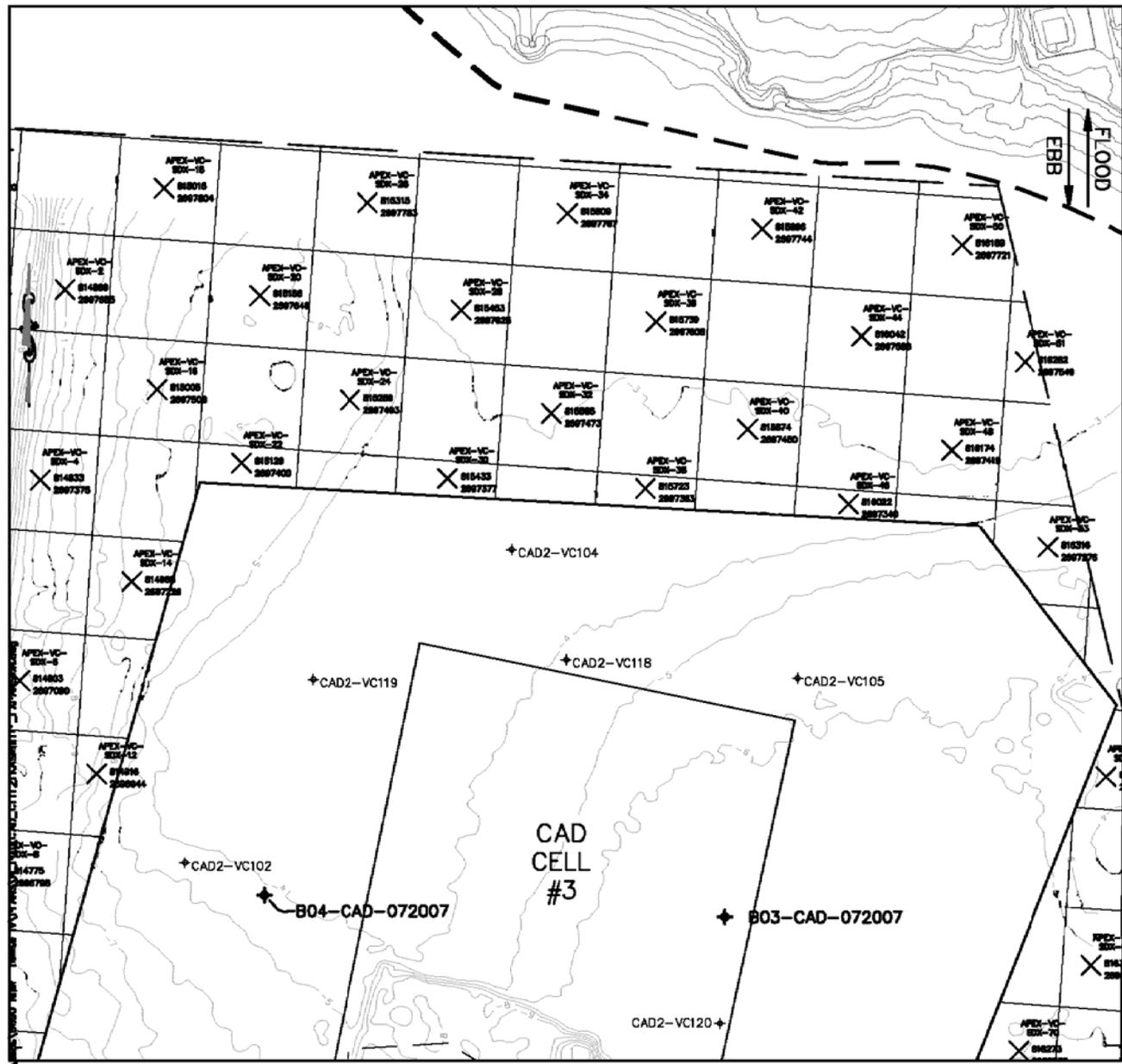
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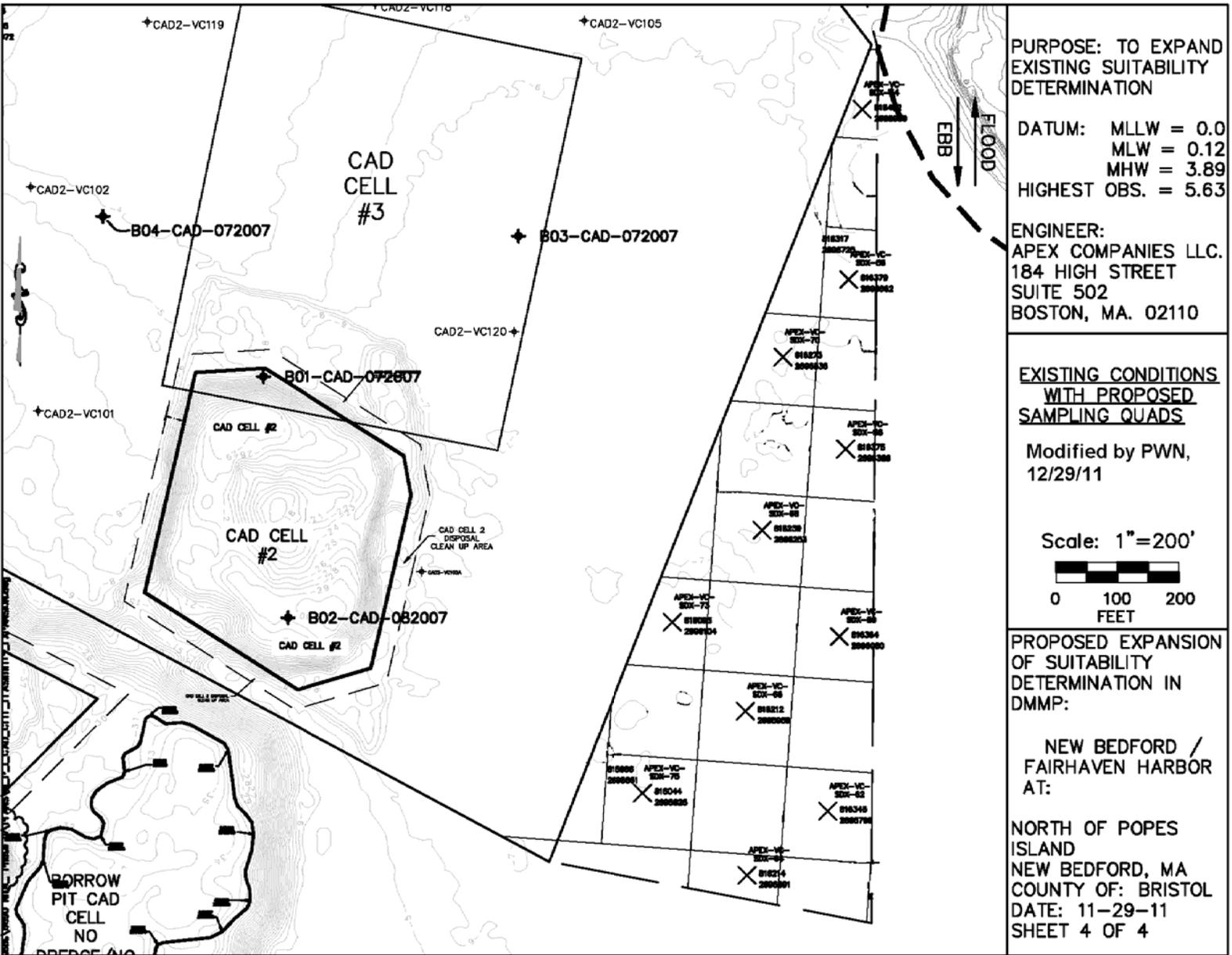
PROPOSED EXPANSION
 OF SUITABILITY
 DETERMINATION IN
 DMMP:

NEW BEDFORD /
 FAIRHAVEN HARBOR
 AT:

NORTH OF POPES
 ISLAND
 NEW BEDFORD, MA
 COUNTY OF: BRISTOL
 DATE: 11-29-11
 SHEET 3 OF 4



CENAE-R-PT
 SUBJECT: **Draft** Sampling Plan for New Bedford Harbor Development
 Commission, New Bedford and Fairhaven, MA, Application #2007-2709.



INTERAGENCY COORDINATION

DATE: 29 December 2011

APPLICANT: New Bedford Harbor Development Commission

APPLICATION NUMBER: 2007-2709

NOTIFICATION SENT TO:

EPA Olga Guza (617) 918-1505
Guza-Pabst.Olga@epamail.epa.gov

F&WS Maria Tur (603) 223-0104
Maria_Tur@fws.gov

Cc: Robert Boeri
Robert.Boeri@state.ma.us

Cc: Ken Chin (617) 292-5696
Ken.Chin@state.ma.us

This **draft sampling plan** is being transmitted in accordance with our agreement on interagency technical coordination procedures for projects involving open water disposal of dredged materials. The applicant is proposing to dredge/excavate up to approximately 650,000 cu. yds. of material from New Bedford Harbor in New Bedford and Fairhaven, Massachusetts, to create the new CAD cells and dispose of it at the RISDS.

Please respond to me within 10 working days of the above date at (978) 318-8166 if you have comments or concerns. If you have technical questions, you can contact Phillip Nimeskern at (978) 318-8660.

BRIAN VALITON
Project Manager