

December 23, 2013

Ms. Laurie Grandchamp
Supervising Engineer
Office of Waste Management
Rhode Island Department of Environmental Management
235 Promenade Street
Providence, Rhode Island 02908-5767

RE: Former Kidd/Portsmouth Landfill – Remedial Action Work Plan Addendum

Portsmouth, Rhode Island DE Project #: 2057-001

Dear: Ms. Grandchamp:

This submittal is made on behalf of AP Enterprise, LLC (APE) regarding the Portsmouth Landfill (the Site) and the Beneficial Use Determination Approval (BUDA) which was issued by the Rhode Island Department of Environmental Management (RIDEM) on September 20, 2010, amended on March 11, 2011 and most recently renewed on September 16, 2013.

Based upon the results of a recent test pit investigation of the APE-owned portion of the former Portsmouth Landfill, the project team has concluded that the landfill is larger than was originally thought and therefore the capping program must be expanded. The purpose of this letter is to request RIDEM Office of Waste Management approval to continue the capping program in this area under the existing BUDA. It is anticipated that from an operational standpoint very few changes will be necessary to address this additional area. APE plans to continue to accept soils meeting the acceptance criteria defined in the BUDA and operate in the same general manner as they have since the capping project started. At this time no vertical expansion of the cap is proposed, only an increase in the size of the footprint of the cap.

The newly discovered landfill area lies primarily between the formerly understood extent of fill and the adjacent coastal marsh. New approvals from the Rhode Island Coastal Resources Management Council (CRMC) and the RIDEM RIPDES & Water Quality Certification programs are also necessary for this proposed increased cap area.

In the interest of clarity and simplicity, we will review each of the rules associated with an RIDEM Remedial Action Work Plan and discuss any additional information or deviations from the November 2006 Remedial Action Work Plan (RAWP) by Vanasse Hangen Brustlin, Inc. (VHB) and the application for a Beneficial Use Determination by VHB.

Site Investigation – On July 16, 2013 DiPrete Engineering oversaw the completion of eight test pits that were advanced perpendicular to the perimeter of the "limit of disturbance" that was previously thought to be the extent of the former solid waste landfill. The test pits were initiated at the former limit of disturbance and extended towards the coastal marsh until no solid waste was observed or the property boundary was reached. Each test pit was advanced to approximately 3 feet below the ground surface. The attached site plans shows the location of the test pits. At each location buried solid waste was observed.

Remedial Objectives – There are no changes to the original plan relative to Remedial Objectives. For soil, the goal of the capping program is to reduce the potential for direct contact with the solid waste fill via an engineered cap and deed

restriction. Groundwater monitoring will still be conducted at the completion of cap construction. No response actions are necessary relative to air or surface water/sediment.

Proposed Remedy – The cap will consist primarily of two feet of soil which is compliant with the RIDEM Residential Direct Exposure Criteria. It is possible that on a limited basis, other RIDEM standard caps may be installed (i.e. one foot of compliant soil and a geosynthetic, four inches of asphalt or concrete and six inches of compliant soil).

Groundwater monitoring wells will be installed at the completion of the capping project and monitored consistent with RIDEM's previous approvals.

An Environmental Land Usage Restriction (ELUR) will be recorded at the conclusion of the project and upon RIDEM acceptance of the Closure Report and approval of a draft ELUR.

Soil Stockpile Management/Erosion Control – The areas associated with the additional capping activities are in close proximity to the coastal marsh and as such the project team will endeavor to minimize prolonged periods of exposed soil in these areas. We recognize that work in this area will be governed by the requirements of the CRMC which are not final at this time (an Assent application for the expanded cap has been filed with the CRMC concurrent to this application to you). At a minimum the site operations will be conducted in a manner consistent with the current Assent, RIPDES, Water Quality Certificate, RAWP, and the BUDA as amended and renewed.

Dust Control – Dust will be managed in a manner consistent with the RAWP.

Points of Compliance – The point of compliance for soil is the extent of waste on the APE property. As this additional work is directly related to the discovery of additional fill the point of compliance for soil has changed in those areas. The points of compliance for groundwater surface water and air are not anticipated to change.

Schedule – The BUDA was recently renewed for the project and site work continues at this time. It is anticipated that the additional soil capping proposed herein along with the original capping scope can be completed within the timeframe of the approved BUDA.

Contractors and Consultants – The project contractors and consultants are as follows:

- Environmental Consultant: Tim O'Connor and Company LLC.
- Site Engineering Consultant: DiPrete Engineering
- Owner: Arthur Palmer, AP Enterprise, LLC
- Site Consultant: Site Redevelopment Technologies
- Site Contractor: Oliveira Construction

Site Plan – The enclosed site plans depicts existing and proposed conditions, along with erosion control measures.

Design Standards and Technical Specifications – Consistent with the RAWP.

Set Up Plans – Separate areas will be used for soil stock piling for the three general categories of soil we will accept at the landfill which are:

- Soil that is compliant with the RIDEM Residential Direct Exposure Criteria (RDEC);
- Soil that is above the RDEC and below the RIDEM Industrial Commercial Criteria; and
- Soil that is subject to the special arsenic provisions of the amended BUDA.

Fencing will be maintained on the perimeter of the Site to the extent practical. It is possible that due to the location of the fill area, it may not be possible to maintain a fence along the entire bank of the coastal marsh.

Effluent Disposal – Consistent with the RAWP.

Operating Log – The operating log will be maintained jointly by Site Redevelopment Technologies and DiPrete Engineering.

Security Procedures - Consistent with the RAWP.

Shut-Down and Post Closure Requirement - Consistent with the RAWP.

Compliance Determination – The compliance determination will be made by DiPrete Engineering with support from Tim O'Connor and Company LLC.

Report Preparation – The Closure Report will be prepared by DiPrete Engineering with support from Tim O'Connor and Company LLC.

It is important to note that APE has consistently demonstrated its firm commitment to and made significant progress toward closing the landfill and working with RIDEM. It is our expectation that this atmosphere will not change relative to this additional work.

Although discussed at the October 11th coordination meeting, no vertical expansion of the cap is proposed at this time, only an increase in the size of the footprint of the cap. Additionally, although we have completed testing in the freshwater wetland located at the southeastern corner of the site, but we are not proposing any alteration to that wetland at this time.

Simultaneous submissions are also being made to RIDEM for a Water Quality Certificate and a RIPDES Permit as well as a submission to CRMC for an Assent. If you have any further questions on this matter, please feel free to contact me at your earliest convenience.

Sincerely,

DiPrete Engineering Associates, Inc.

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Brandon Carr, PE, LEED AP

Senior Project Engineer

cc: Arthur Palmer

David Peter

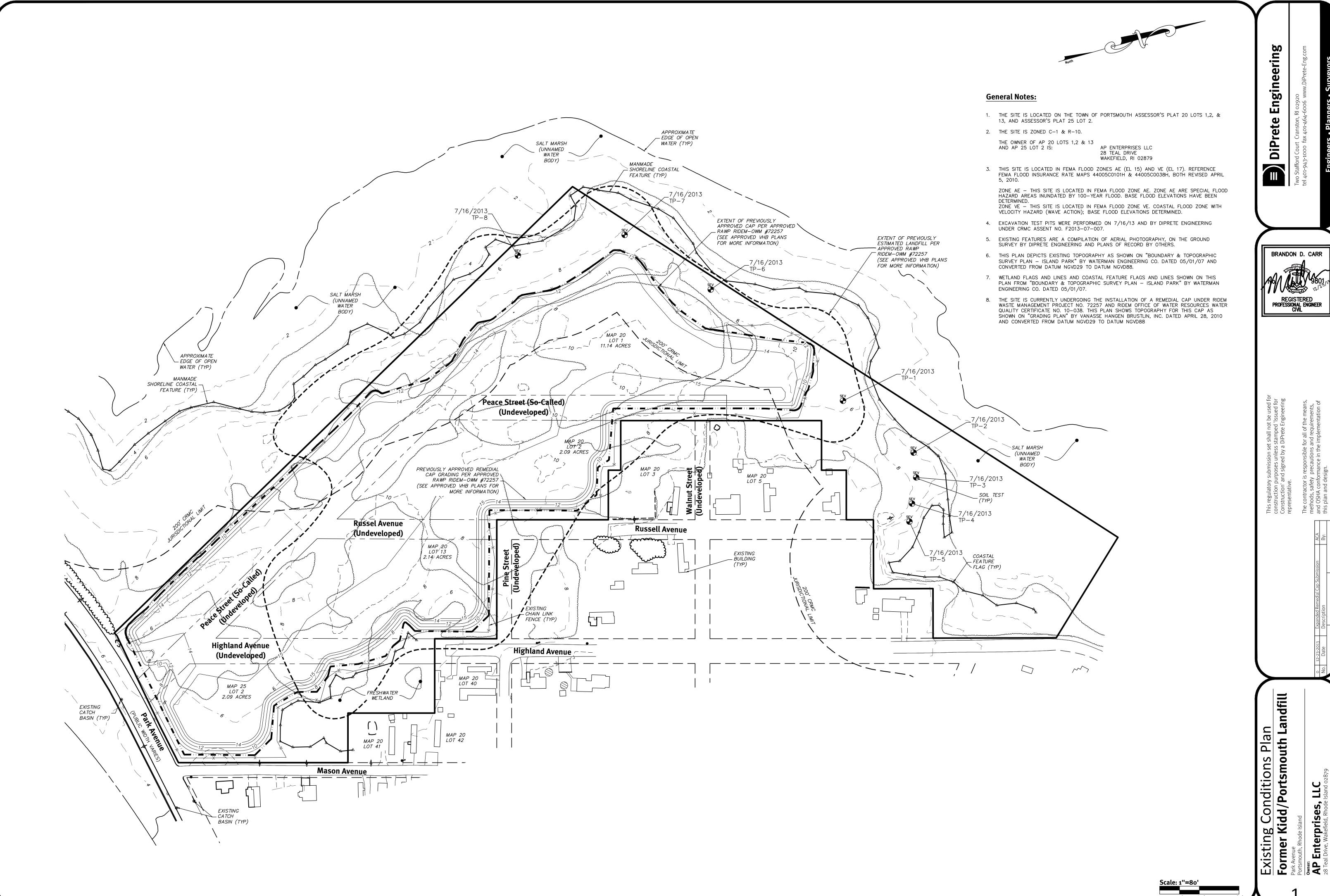
Tim O'Connor

Kristen Sherman

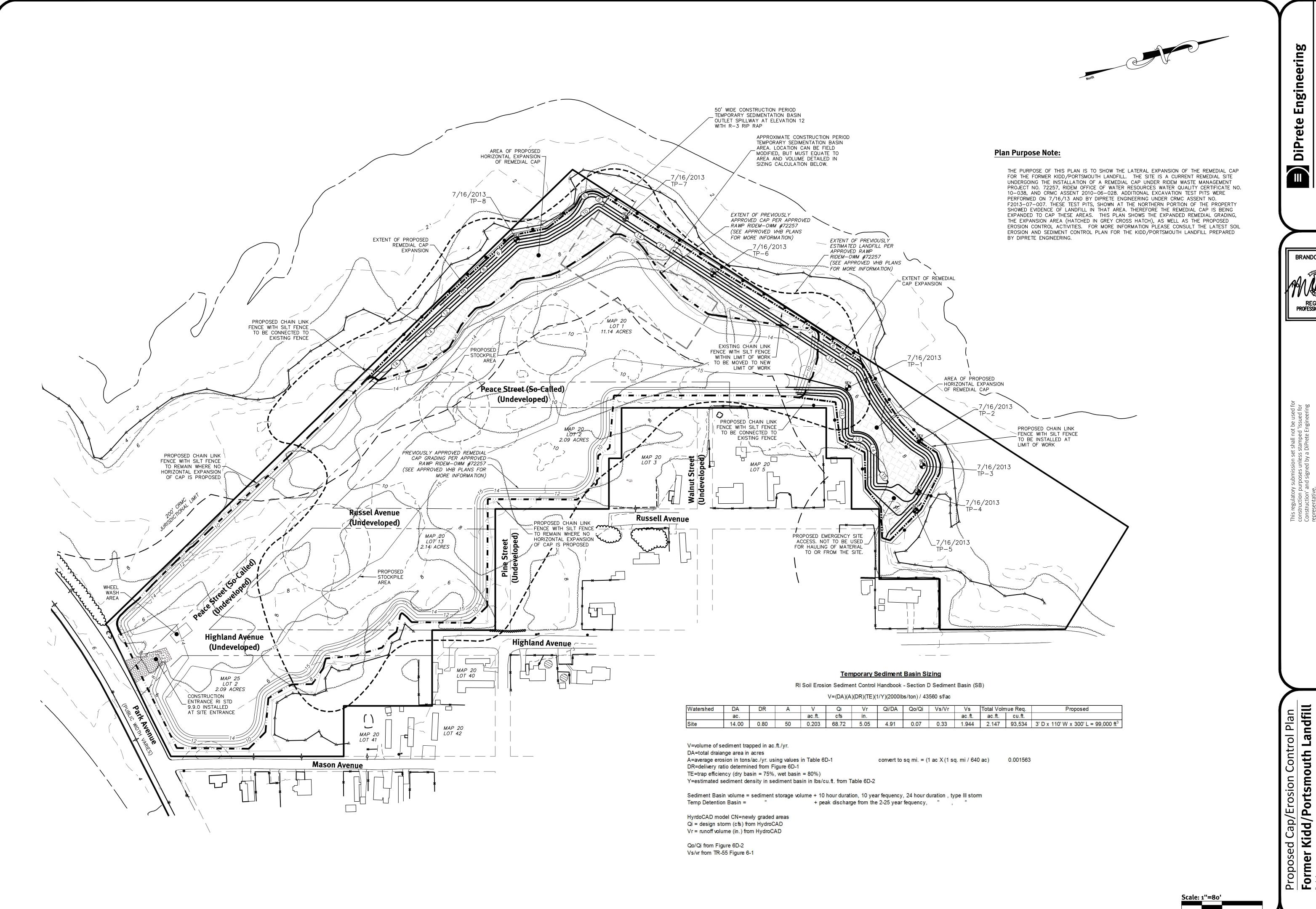
Scott Rabideau

Neal Personeus - RIDEM Office of Water Resources

Amy Silva - CRMC



BRANDON D. CARR



BRANDON D. CARR



March 5, 2014

Mark M. Dennen
Principal Environmental Scientist
Office of Waste Management
Rhode Island Department of Environmental Management
235 Promenade St.
Providence, RI 02908

RE: Former Portsmouth Landfill

Portsmouth, Rhode Island DE Project #: 2057-001

Dear Mr. Dennen:

DiPrete Engineering has received the review comments in regards to the above referenced project. The following responses are provided and revisions are incorporated within the accompanying submission.

1. Sheet 1 shows the locations of the test pits, however discussions with staff onsite indicate that the locations on the map are the furthest extent in a series of test pits where trash was found. The plan should be revised to indicate that a series of test pits were dug and the test pit shown on the plan indicates the furthest extent of excavation.

Response: As discussed onsite, for TP-6 and TP-8, a series of test pitting was done beginning near the edge of the previously approved limit of work and extending out toward the property boundary. The intent was to extend testing only as far toward the coastal feature as needed to reach the limits of trash. Due to site constraints and impacts that were obvious at the surface, this was unnecessary at the majority of the test pit locations (1-5, and 7). In either case, testing extends no closer than 10' to the property line or coastal feature. These initial test pit locations have been added to the plan.

2. The existing RAWP calls for all work areas to be surrounded by a fence. Given the proposed work is adjacent to the coastal marsh and casual access is extremely difficult, placement of the fence on the northwestern boundary may fragment the habitat and harm the aesthetics unnecessarily. The Department is willing to consider other less disruptive options to restrict access.

Response: Acknowledged. A significant portion of the site perimeter fence along the coastal marsh will need to be removed to expand the cap area. The owner is agreeable to not replacing the fence unnecessarily, and will limit the amount of fence replaced after clearing. If

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> however if there are security or trespassing problems which may be addressed by replacing the fence, we'll inform DEM and reconstruct the fence as necessary to secure the site.

3. Unlike current abutters to the work areas, the properties east of TP-3, 4 and 5 are not located on fill material. Furthermore, there is recreational use (ballfield) nearby. To that end, APE should address how the vegetative buffer around the work area could be preserved and enhanced if possible, even if this slightly reduces the area to be capped.

Response: The proposed limit of capping extended to the east beyond the proposed emergency access connection to the north end of Russell Avenue. The proposed cap has been reduced 20' - 30' to increase the buffer to the east. This increases the buffer to the house immediately east of TP-5 to approximately 160' and the buffer to the ball field to over 250'.

If you have any questions regarding our request or the attached plan please contact our office.

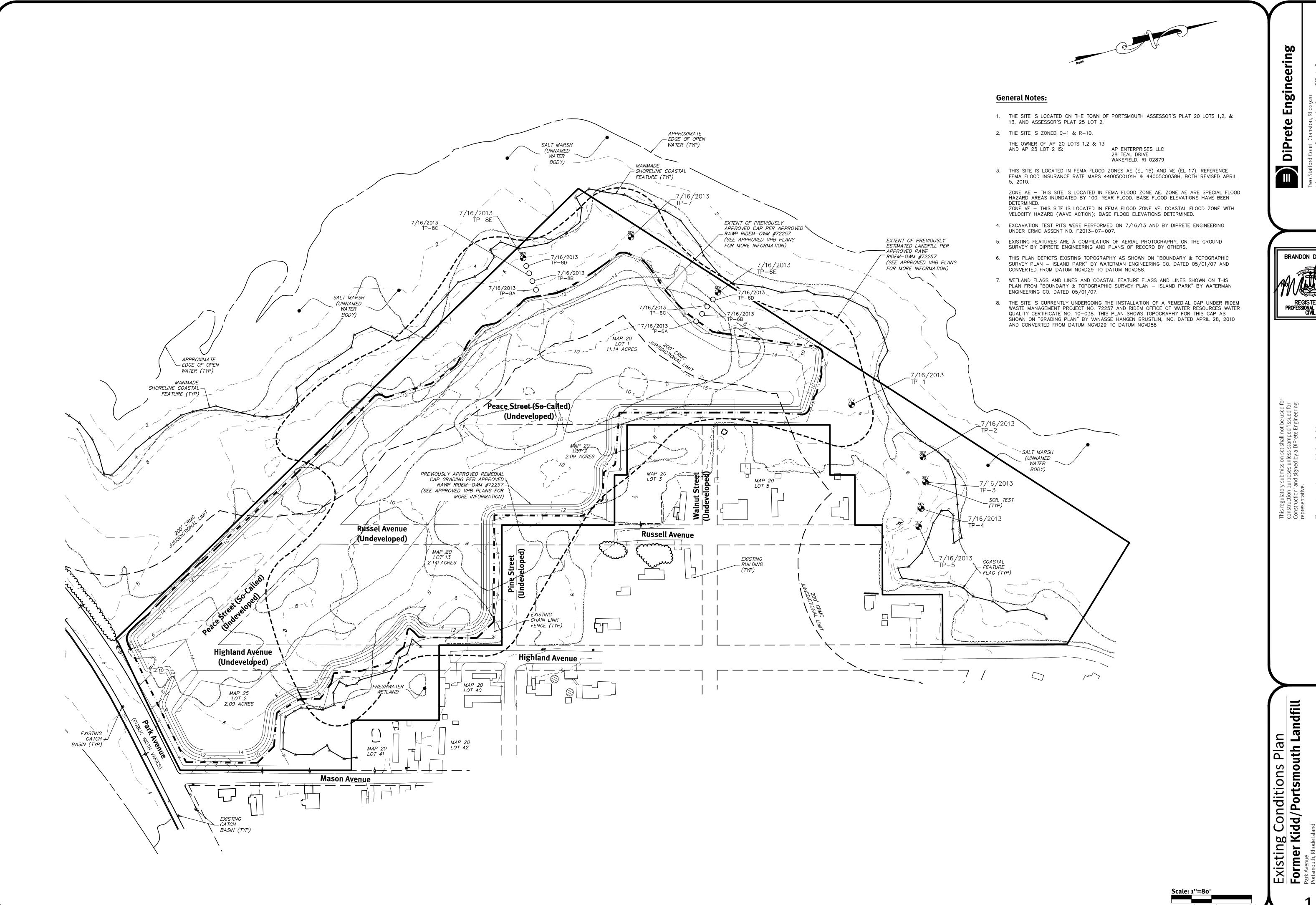
Sincerely,

DiPrete Engineering Associates, Inc.

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Brandon Carr, P.E., LEED AP

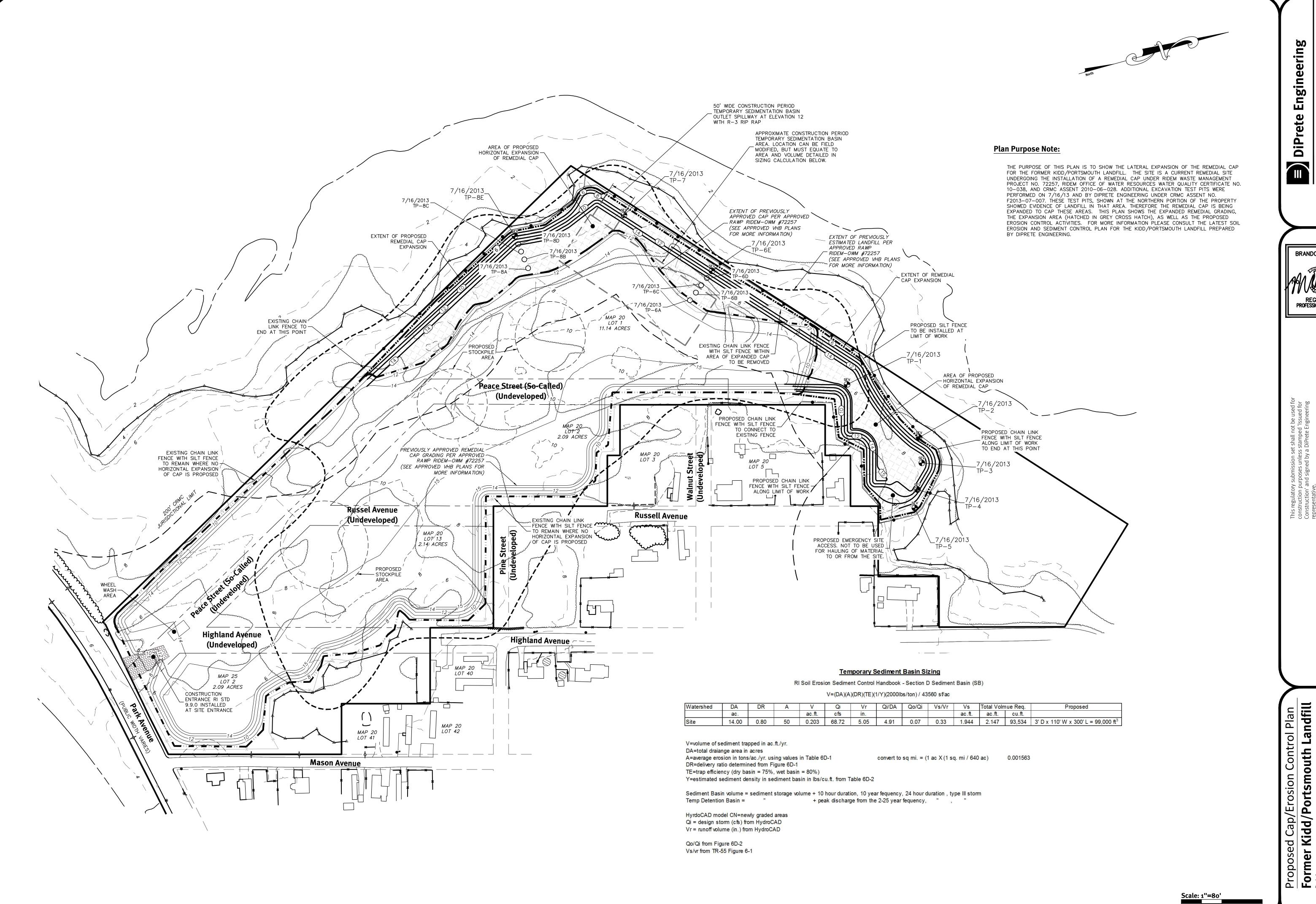
Senior Project Engineer



BRANDON D. CARR REGISTERED

Owner:

AP Enterprises, I
28 Teal Drive, Wakefield, Rhode Is



Engineering

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BRANDON D. CARR

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