

City of Portsmouth, New Hampshire
REQUEST FOR QUALIFICATIONS #58-14

Construction Services
for the
African Burying Ground Memorial Park

INVITATION

The City of Portsmouth, New Hampshire (“Owner”) seeks Statements of Qualifications for construction services for the creation of the African Burying Ground Memorial Park on Chestnut Street between Court and State Streets in Portsmouth, NH. Sealed Statements of Qualifications, plainly marked RFQ 58-14, “Construction Services for the African Burying Ground Memorial Park” on the outside of the mailing envelope, addressed to the Finance/Purchasing Department, City Hall, 1 Junkins Avenue, Portsmouth, NH 03801 will be accepted until **2:00 p.m. on Monday, March 24, 2014. An informational session about the Request for Qualifications for general contractors and sub-contractors on March 14, 2014 at 10:00 a.m. in the School Board Conference Room at Portsmouth City Hall, 1 Junkins Avenue.**

The Project Work will include pre-construction and construction services necessary to complete the African Burying Ground Memorial Park. This work includes the creation of a Memorial over a burying ground that was in use as early as 1705 and, over time, was paved over, built over and forgotten. It is now known to be the burying site of as many as two-hundred African and African descended individuals, likely both enslaved and free who lived in Portsmouth from its earliest days. Previously exhumed remains will be reinterred in a custom vault as part of the project work. The work will include partial demolition and sitework; extensive masonry and detailed stonework; installation of outdoor sculptural components and related memorial components; and associated roadway, drainage, electrical, and landscaping work. The Contractor will be responsible for overall administration, coordination and construction of the project and will work closely with the City, the City’s Construction Clerk, the City’s consulting Archaeologist, the State Archaeologist, the City’s Landscape Architect Roberta Woodburn and project sculptor and artist Jerome Meadows. The estimated construction cost is \$1.2 million. Over 80% of project funds have been raised, and the remainder is anticipated to be raised concurrent with pre-construction work under this contract. Work is funded with a combination of private donations from individuals and families as well as governmental and foundation grants, including federal grants. The project is fully-permitted.

Qualification packages may be obtained from the City’s web site at www.cityofportsmouth.com. Questions may be addressed to the Purchasing Coordinator by calling 603-610-7227. Addenda to this document, if any, will be posted on the City of Portsmouth website under the project heading.

The City of Portsmouth reserves the right to reject any or all statements of qualifications, to waive technical or legal deficiencies, to proceed or not to proceed with any subsequent proposal process, or to negotiate without further process any contract as may be in the best interest of the City.

REQUEST FOR QUALIFICATIONS #58-14

**Construction Services
for the
African Burying Ground Memorial Park
QUALIFICATIONS STATEMENT**

Table of Contents:

Part 1 - Introduction

Part 2 – Statement of Qualifications

2.1 – General Information

2.2 – Threshold Requirements

2.3 – Organization History

2.4 – Disputes and Legal

2.5 – Bonding, Insurance and Safety

2.6 – Financial Information

2.7 – Personnel, Suppliers and Related Experience

2.8 – References

Part 3 – Identification of Project Sub-Contractors

Part 4 – African Burying Ground Memorial Park Project Area and Colorized Site Plan

Part 5 – Construction Plan Set



PART 1 – INTRODUCTION

General Contractor Selection Process

The City of Portsmouth, New Hampshire (“Owner”) seeks Statements of Qualifications for construction services for the creation of the African Burying Ground Memorial Park to be constructed on Chestnut Street between Court and State Streets in Portsmouth, NH.

The selection of a General Contractor for this Project Work will take place in two stages. Stage one will include the review and selection of up to five firms who submit completed responses to this RFQ. Those selected firms will be deemed qualified and invited to submit proposals for the Project Work as part of Stage Two. Additional information pertaining to selection process, including criteria and other information can be found in Part 2 and in the proposal documents that will be issued to qualified Contractors.

Project Background and Purpose

The Project Work will include pre-construction and construction services necessary to construct the African Burying Ground Memorial Park. Some previously exhumed remains will be reinterred in a custom vault as part of the Project Work. The work will include site preparation and work; extensive masonry and detailed stonework; installation of outdoor sculptural components and related memorial components; associated roadway, sidewalk and drainage improvements as well as electrical and landscaping components.

In 2003, a series of coffins were revealed during infrastructure upgrades in the heart of downtown Portsmouth. Through archaeology and DNA analysis the City confirmed the site was at one time a segregated burying place for Africans and their descendents (likely both enslaved and free) and that as many as 200 individuals are buried below. Their names are unknown. The site was in use from the early 1700s through to the 19th century during which time it was paved over, built over and forgotten.

The Portsmouth community, including members of the African-American community, the City Council and the African Burying Ground Committee chose to close this public street to through traffic and honor those buried there by transforming this downtown City block into a public place of reverence, reflection, and learning. Working with two nationally recognized and accomplished design professionals, the community created a vision for memorializing the site: the African Burying Ground Memorial Park, *We Stand in Honor of Those Forgotten*. A multi-year, grassroots, volunteer led effort to raise the needed funds to implement the community’s goal is nearly complete.

This project has attracted support, interest, artistic and academic inquiry, and funding from throughout New England and the United States. This site is the only archaeologically-authenticated Colonial era African burial site in all of northern New England and, on a smaller scale, is comparable to the African Burying Ground and National Monument in lower Manhattan.



Additional background materials can be found on the website for the African Burying Ground Memorial Park: www.africanburyinggroundnh.org.

Special Construction and Site Sensitivity

The General Contractor selected for this project will be responsible for providing pre-construction services and ensuring the project is constructed according to plans and specifications. This work will be coordinated by the General Contractor in close coordination with the City of Portsmouth, the City's Construction Clerk, the City's consulting Archaeologist, the State Archaeologist, Landscape Architect Roberta Woodburn, and project sculptor and artist Jerome Meadows. The estimated construction cost is \$1.2 million. Over 80% of project funds have been raised, and the remainder is anticipated to be raised concurrent with pre-construction work under this contract. Construction will be dependent upon the availability of funds. Work is funded with a combination of private donations from individuals and families as well as governmental and foundation grants, including federal grants. The project is fully-permitted.

The Project Work will take place over an early 18th century burying place. Appropriate sensitivity to the historical, cultural and social significance of this site will be required of all project contractors and partners through the Project Work. In recognition of the site's importance and the multiple burials that have been previously identified and others that documentary evidence and other scholarship has indicated are present, specific design parameters were established by the State Archaeologist and used in the creation of the Construction Drawings and Specifications, which have been approved by the State Archaeologist in accordance with State Law. The Plan set is in compliance with these requirements. The project design and planned methods of construction ensure that no human remains will be disturbed as part of project construction per the direction of the State Archaeologist. In general, no excavation of the project site is permitted beyond the removal of existing asphalt surfacing, except in those areas clearly delineated on the plan that have been previously disturbed except in specific areas where hand digging will be permitted under the supervision of the City's Construction Clerk. Site protocols for digging and monitoring project work will be coordinated by the General Contractor and the City's Construction Clerk during preconstruction. The City of Portsmouth will retain a project Archeologist to provide hand digging and monitoring during excavation of critical areas; no project Archeologist will be needed for the General Contractors' teams.

The project Plans create a Memorial at the site in addition to the stabilization of an archaeological resource and historic burying ground. As a result, unique works of outdoor sculptural components have been included along with site furnishings and hardscape components that are critical to the unified design concept of the Memorial. This specialized masonry work is a critical component to project success as well as the successful implementation of other critical and custom memorial components. Critical granite and stonework includes the bluestone surfacing, granite seat and retaining walls, extensive curbing and associated tip-downs and the flush engraved granite band stretching through the site. Other critical elements include the decorative railing at the Court Street end, the below grade custom concrete burial vault, and drainage system installation for examples.

An important component to this Qualification Statement is the assembly of a team of subcontractors not only capable of insuring the successful completion of all Memorial components but who have the

attention to detail and sensitivity to see the project through in accordance with unique project requirements and constraints. General contractors or construction managers are encouraged to assemble teams; sub-contractors are able to be placed on more than one team.

Anticipated Schedule and Scope of Services

It is anticipated that project work will begin in calendar year 2014. A final construction schedule is yet to be determined. It is anticipated that the proposals will include the following additional services in addition to the proposal form for construction work itself.

1. Working with the Landscape Architect, Owner, and Owner's agents in the pre-construction phase to develop final plans; such efforts to include recommendations for construction details and potential cost saving opportunities.
2. Attending meetings with the Landscape Architect, Owner, Owner's agents as necessary, throughout the design and construction processes.
3. Maintaining and distributing minutes of all meetings with the Owner and Architect in a timely manner.
4. Coordinating with project owner on all funder requirements and record keeping as determined by project owner.

Selection Criteria

The following factors will be evaluated during the City's review of the Statements of Qualifications.

1. The Contractor's ability, capacity, efficiency, integrity, and skill to perform timely, quality work as reflected in the Contractor's Experience and References.
2. The Contractor's ability to manage complex projects in urban settings and to effectively manage subcontractors.
3. The Contractor's team of subcontractors and their ability, capacity, efficiency, integrity, and skill to perform timely, quality work as reflected in the Subcontractors' Experience and References section.
4. Sufficiency of Contractor's financial, equipment and personnel resources as represented in Contractor's Organization History.
5. Other information submitted in response to the factors outlined in the Qualification Statement.
6. Quality and completeness of Qualification submittal documentation.



PART 2 – STATEMENT OF QUALIFICATIONS

2.1 GENERAL INFORMATION

Date: _____

Contractor Name: _____

Contact Person: _____

Contact Person E-mail: _____

Street: _____ City: _____

State: _____ Zip: _____ Telephone: _____ Fax: _____

The selection of a General Contractor for this Project Work will take place in two stages. Stage one will include the review and selection of up to five firms who submit completed responses to this Qualification Statement. Those selected firms and their subcontractors will be deemed qualified and invited to submit proposals for the Project Work as part of Stage Two.

DUTY TO UPDATE AND SUPPLEMENT: Should any changes occur which substantially alters the data contained herein, the above named Contractor shall immediately submit to the City a revised Statement detailing the changes and the Contractor's current qualifications.

RESERVATION OF RIGHTS: The City of Portsmouth reserves the right not to proceed with proposals for the project. If the City bids the project, the City reserves the following additional rights:

- (1) to reject any and all proposals;
- (2) to reject any bid proposal where, in the opinion of the City, Contractor's circumstances have materially changed and such changes affect the qualifications or responsibility of the proposer;
- (3) to require additional Contractor qualifications in any bid documents;
- (4) to waive technical or legal deficiencies; and
- (5) to accept any bid that it may deem to be in the best interest of the City.
- (6) The City reserves the right to waive minor irregularities in the information contained in the qualification package submitted, to make all final determinations, and to determine if qualification will apply to future public works project. Firms not qualified for this project will not be allowed to submit bid proposals.



SUBMISSION OF QUALIFICATION STATEMENTS

Qualification statements must be submitted in sealed envelopes addressed to: Purchasing, City Hall, City of Portsmouth, 1 Junkins Avenue, Portsmouth, NH 03801. The words “QUALIFICATION STATEMENT – AFRICAN BURYING GROUND MEMORIAL PARK” must be clearly and legibly marked on the outside of the envelope.

The City will review the qualification statement within 30 days. Qualification statements will be reviewed by the Selection Committee. Qualified firms will be notified when the Proposal/Contract Documents for the project will be available.

SUBMISSION REQUIREMENTS

One original (1), unbound Qualifications Statement shall be submitted along with eight (8) bound copies. Respondents are encouraged to avoid the use of paper sizes other than 8.5” by 11” as well as the use of synthetic report covers and dividers. Please include all information in the order that it is requested in the RFQ.



2.1 GENERAL INFORMATION (CONTINUED)

Description of Firm

Provide responses to each of the following questions, in a non-bound submittal. Do not exceed 8 pages.

1. Describe respondent's areas of specialization;
2. List internal resources (i.e. accounting, legal, survey, engineering, support staff);
3. Provide brief firm history;
4. List honors and awards;
5. Names of the principal officers of the firm;
6. Key Professionals: Identify the key members of Respondent's team that would be involved in the project and describe their area of expertise and what role they will perform in the Construction Team. **Include key sub-contractors in this section. Additional information will be required for each subcontractor in Part 3.**
7. Describe Project Team proposed for the Project work, include construction work to be completed by firm and subcontractors proposed for each of the following work categories:
 - A. Masonry
 - B. Demolition and site work
 - C. Utilities
 - D. Landscaping
 - E. Paving
8. Resumes: Provide resumes of any person identified as a key professional.
9. Identify any work that Respondent anticipates being performed by the Respondent's own work forces.
10. Other information, qualifications and/or exceptions that the Respondent may consider appropriate to raise during the selection process.

2.2 THRESHOLD REQUIREMENTS OF QUALIFICATIONS

A. Contractor is registered with the Secretary of the State to do business in New Hampshire.

Yes No

B. Contractor has a liability insurance policy with a policy limit of at least \$2,000,000 per occurrence and \$2,000,000 aggregate (or can provide for project). The limits may be met with an excess policy.

Yes No



Portsmouth NH
African Burying Ground

C. Contractor has current workers' compensation insurance policy as required by NH Administrative Rule RSA-281.A2.VIII.a or is legally self-insured pursuant to RSA-281.A2.IX (paragraph 1).

Yes No Contractor is exempt from this requirement, because it has no employees

D. During review of the pre-qualification statement, the City reserves the right to request a financial statement from the contractor (audited, preferred, if available). In the event financial statements are requested and not provided, Contractor will be considered not meeting the threshold requirements and will be disqualified.

E. Within the last five years, has a surety firm completed a contract on your behalf, or paid for completion because your firm was in default and terminated by the project owner?

Yes No

F. At any time during the last five years, has your firm, or any of its owners or officers been convicted of a crime involving the awarding of a contract for a construction project, or the bidding or performance of a construction contract?

Yes No



2.3 ORGANIZATION HISTORY

1. Contractor Name _____

2. Principal/Permanent Address _____

Local Address (if applicable) _____

3. How many years has Contractor been engaged in the contracting business under your present firm name? _____

4. List below each area/classification of construction (landscape, roadway, building, utilities) performed by your firm and include how many years of experience both as a general or sub-contractor:

5. a. **If a corporation, answer this:**

When incorporated _____

In what State? _____

President's name: _____

Vice President's name: _____

Secretary's or Clerk's name: _____

Treasurer's name: _____

5. b. **If a partnership, answer this:**

Date of organization: _____

Is partnership general or limited? _____



Name and address of Partners: _____

5.c. **If a Limited Liability Company, answer this:**

Date of Organization? _____

Where Organized? _____

Is the LLC member managed or manager managed? _____

If member managed, identify the member? If manager managed, identify the manager:
_____.

Name and title of Officers if any:

6. Has there been any change in ownership of the firm at any time during the last three years?

Yes No

If yes, please explain in an attachment to be included with this submittal.

7. Has your firm changed names in the past five years?

Yes No

If yes, please explain in an attachment to be included with this submittal.

8. Is your firm currently the debtor in a bankruptcy case?

Yes No

If "yes," please attach a copy of the bankruptcy petition, showing the case number, and the date on which the petition was filed.

9. Was your firm in bankruptcy at any time during the last five years?

Yes No

10. Has any owner, partner or (for corporations) officer of your firm operated a construction firm under any other name in the last five years?

Yes No



If “yes,” please attach a copy of the bankruptcy petition, showing the case number and the date on which the petition was filed, and a copy of the Bankruptcy Court’s discharge order, or of any other document that ended the case, if no discharge order was issued.

2.4 DISPUTES AND LEGAL

11. At any time in the last five years has your firm been assessed and/or paid liquidated damages after completion of a project under a construction contract with either a public or private owner?

Yes No

If yes, please explain in an attachment to be included with this submittal.

12. In the last five years has your firm been denied an award of a public works contract based on a finding by a public agency that your company was not a responsible bidder?

Yes No

If yes, please explain in an attachment to be included with this submittal.

NOTE: The following two questions refer only to disputes between your firm and the owner of a project. You need not include information about disputes between your firm and a supplier, another contractor, or subcontractor. You need not include information about “pass-through” disputes in which the actual dispute is between a sub-contractor and a project owner. Also, you may omit reference to all disputes about amounts of less than \$25,000.

13. In the past five years has any claim against your firm concerning your firm’s work on a construction project been filed in court or arbitration?

Yes No

If yes, please explain in an attachment to be included with this submittal.

14. In the past five years has your firm made any claim against a project owner concerning work on a project or payment for a contract and filed that claim in court or arbitration?

Yes No

If yes, please explain in an attachment to be included with this submittal.

15. Has your firm or any of its owners, officers or partners ever been convicted of a crime involving any federal, state, or local law related to construction; or been debarred from performing work on any contract?

Yes No

If yes, please explain in an attachment to be included with this submittal.



16. In the past 5 years, has the Contractor ever failed to complete any work awarded to it in the scheduled contract time, including approved time extensions?

Yes No

If yes, please explain in an attachment to be included with this submittal.

17. Has Contractor or any officer, director, member, owner or partner of Contractor ever ceased work on a project?

Yes No

If yes, please explain in an attachment to be included with this submittal.

2.5 BONDING, INSURANCE AND SAFETY

18. Has any State (NH, ME, MA, VT) or Federal OSHA cited and assessed penalties against your firm for any “serious,” “willful” or “repeat” violations of its safety or health regulations in the past five years?

NOTE: If you have filed an appeal of a citation, and the Occupational Safety and Health Appeals Board has not yet ruled on your appeal, you need not include information about it.

Yes No

If yes, please explain in an attachment to be included with this submittal.

19. During the last five years, has there been more than one occasion in which your own firm has been penalized or required to pay back wages for failure to comply with the federal Davis-Bacon prevailing wage requirements?

Yes No

If yes, please explain in an attachment to be included with this submittal.

2.6 FINANCIAL RECORDS AND INFORMATION

20. If requested by the City during review of the pre-qualification statement, the contractor shall submit their most recent audited or reviewed financial statements.



2.7 EQUIPMENT AND EXPERIENCE

21. List all municipal, State or Federal, and provide contracts your company has worked on in the past 3 years greater than \$200,000:

22. Please prepare two project data sheets for similar projects completed within the last 5 years:

Project Data Sheet #1

Project Name: _____
 Project Location: _____
 Date Completed: _____ Duration: _____
 Value of Contract at Completion: _____ Unit Price (y/n) _____
 Funding sources: _____
 Owner Name: _____ Telephone: _____
 Address: _____
 Business Name and Address of entity which constructed and managed this project:

Engineer: _____ Contact Name: _____ Phone: _____
 Please note special project conditions that are similar in nature (Use additional sheets if necessary):

Project Description:

Describe landscaping, stonework, masonry or park work involved:

Other (historic facilities, cemeteries, memorial, archaeology, and/or urban conditions):



Project Data Sheet #2

Project Name: _____
Project Location: _____
Date Completed: _____ Duration: _____
Value of Contract at Completion: _____ Unit Price (y/n) _____
Funding sources: _____
Owner Name: _____ Telephone: _____
Address: _____
Business Name and Address of entity which constructed and managed this project:

Engineer: _____ Contact Name: _____ Phone: _____
Please note special project conditions that are similar in nature (Use additional sheets if necessary):

Project Description:

Describe landscaping, stonework, masonry or park:

Other (historic facilities, cemeteries, memorial, archaeology, and/or urban conditions):



2.8 REFERENCES

23. Name, contact person, telephone number, and address of three (3) **owners** not employed by Contractor and involved in current contracts or contracts completed in the last five (5) years who can attest to the character, integrity, reputation, judgment, experience, and efficiency of the Contractor.

- a. _____

- b. _____

- c. _____

24. Name, contact person, telephone number, and address of three (3) **engineers** not employed by Contractor and involved in current contracts or contracts completed in the last five (5) years who can attest to the character, integrity, reputation, judgment, experience, and efficiency of the Contractor.

- d. _____

- e. _____

- f. _____

Nothing construed herein shall limit the City, or its authorized representatives, from contacting any and all former owners/clients, material suppliers and other third parties with knowledge of the Contractor's history of performance, practices and reputation. The existence of Release and Hold Harmless Statements directed to individual references as described above shall not be presumed to void or nullify the hold harmless language set forth in this document.

It is understood and agreed that all responses from references and others obtained by the City, or its authorized representatives, shall be deemed confidential. If a Contractor receives negative references and the City has preliminarily determined the Contractor not qualified based on such references, the City, or its authorized representatives, will provide Contractor with a summary of the nature of those negative references without identifying the party providing such reference.



CONTRACTOR'S PREQUALIFICATION STATEMENT

The undersigned, on behalf of the Contractor, certifies that the Contractor has not either directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with any contract on any municipal, state, or federal project.

I swear that all the statements herein contained, including the declaration of ownership and organization, the financial information, current workload, and the record of experience have been examined by me, and to the best of my knowledge and belief are true and correct.

On behalf of Contractor, I hereby authorize the City of Portsmouth, or its authorized representatives, to make such investigation, inquiry, checks and tests as the City, in its sole discretion, deems necessary to attempt to ascertain Contractor's qualifications.

On behalf of Contractor, I hereby waive any and all claims, and release and hold harmless any person(s) who provides the City, or its authorized representatives, with information or opinions held in good faith.

Signed _____

Title _____

Subscribed and sworn to before me this _____ day of _____, 20__

Notary Public or Justice of the Peace

NOTE: Contractor's Statement of Qualifications must be accompanied by:
- Only if requested, an audited financial report.



*Portsmouth NEH
African Burying Ground*

PART 3 – IDENTIFICATION OF PROJECT SUBCONTRACTORS

A complete Pre-qualification statement will include the information below pertaining to the work that will be sub-contracted to others. Each anticipated construction classification should be listed and a firm identified who will perform that work. Substitutions of contractors after submittal of the Statement of Qualifications shall only be take place with the approval of the Owner.

What percentage of Project Work will be sub-contracted as part of this project? ____%

Describe the Project Work elements will be performed by the General Contractor?

List below the sub-contractors identified for this project who will serve on the General Contractor’s team.

<i>Classification</i>	<i>Firm</i>
_____	_____
<i>Classification</i>	<i>Firm</i>
_____	_____
<i>Classification</i>	<i>Firm</i>
_____	_____
<i>Classification</i>	<i>Firm</i>
_____	_____
<i>Classification</i>	<i>Firm</i>
_____	_____
<i>Classification</i>	<i>Firm</i>
_____	_____

Submit the following form for each sub contractor identified as a member of the Respondent’s team.

SUB-CONTRACTOR INFORMATION – AFRICAN BURYING GROUND MEMORIAL PARK

General Contractor Name: _____

Construction Classification: _____

Sub-contractor Name: _____

Description of Firm

Provide responses to each of the following questions, in a non-bound submittal. Do not exceed 4 pages.

1. Describe subcontractor's areas of specialization;
2. Describe generally the project work that will be performed by subcontractor;
3. Provide brief firm history;
4. List honors and awards;
5. Names of the principal officers of the firm; and
6. Key Professionals: Identify the key members of the firm that would be involved in the project and describe their area of expertise and what role they will perform.
7. **IMPORTANT: include a Project Data Sheet (form found in Part 2) for two projects that required similar work as that proposed for this project.**
8. **IMPORTANT: include a Sub-contractors Prequalification Statement (next page).**



General Contractor Name: _____

Construction Classification: _____

Sub-contractor Name: _____

SUB-CONTRACTOR’S QUALIFICATION STATEMENT

The undersigned, on behalf of the Sub-contractor, certifies that the Sub-contractor has not either directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with any contract on any municipal, state, or federal project.

I swear that all the statements herein contained, including the declaration of ownership and organization, the financial information, current workload, and the record of experience have been examined by me, and to the best of my knowledge and belief are true and correct.

On behalf of Sub-contractor, I hereby authorize the City of Portsmouth, or its authorized representatives, to make such investigation, inquiry, checks and tests as the City, in its sole discretion, deems necessary to attempt to ascertain Contractor's qualifications.

On behalf of Sub-contractor, I hereby waive any and all claims, and release and hold harmless any person(s) who provides the City, or its authorized representatives, with information or opinions held in good faith.

Signed _____

Title _____

Subscribed and sworn to before me this _____ day of _____, 200_

Notary Public or Justice of the Peace



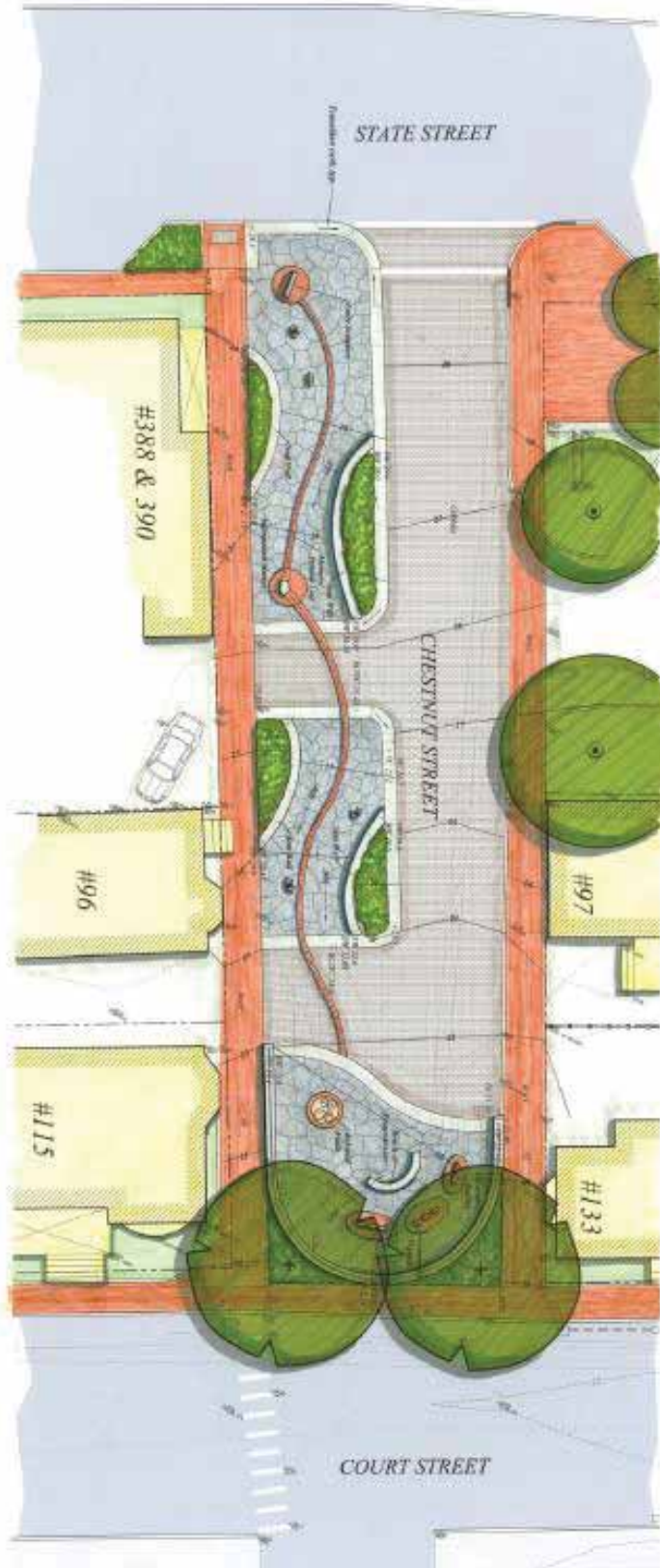
**PART 4 – AFRICAN BURYING GROUND MEMORIAL PARK PROJECT AREA AND
COLORIZED SITE PLAN**

Part 4: African Burying Ground Memorial Project Area



Part 4: Colorized Site Plan

For description purposes only



PART 5 – CONSTRUCTION PLAN SET





AFRICAN BURYING GROUND

CHESTNUT STREET

PORTSMOUTH, NEW HAMPSHIRE

TABLE OF CONTENTS

L-1	ILLUSTRATIVE SITE PLAN
L-2	EXISTING CONDITIONS PLAN
L-3	DEMOLITION PLAN
L-4	LAYOUT PLAN: DIMENSIONAL
L-5	LAYOUT PLAN: MATERIALS
L-6	GRADING & DRAINAGE PLAN
L-7	SITE LIGHTING PLAN
L-7A	LIGHTING SPECIFICATIONS
L-8	PLANTING PLAN
L-9	PETITION LINE & CURBING DETAILS
L-10	PAVING DETAILS
L-11	SEAT WALLS & BENCHES DETAILS
L-12	RETAINING WALL & RAILING DETAILS
L-13	SCULPTURAL ELEMENTS DETAILS
L-14	DRAINAGE DETAILS

LANDSCAPE ARCHITECT

CIVIL & STRUCTURAL ENGINEERS

SURVEYOR

ELECTRICAL ENGINEER

DATE	DESCRIPTION
7/21/2009	95% for Review
11/5/2009	WSA Review
6/29/2010	RW Final Review
11/29/2010	Revisions per RW Review - Final Review Set
04/29/2013	Revisions for Bid
05/21/2013	Revisions for Bid
02/27/2014	Issued for RFP



**WOODBURN
& COMPANY**
Landscape Architecture, LLC

103 Kent Place
Newmarket, NH 03857
Tel: 603.659.5939



**MJS
ENGINEERING, PC**
3 HANCOCK STREET, 100, NEW SPA
PORTSMOUTH, NH 03857
Tel: 603.659.5939

J/B Jones & Beach Engineers, Inc.
Civil Engineering Services
88 Portsmouth Ave.
Portsmouth, NH 03885
E-Mail: JB@JONESANDBEACH.COM
603-779-4748
FAX: 603-779-4748

Seacoast Consulting Engineers, LLC
Mechanical, Electrical & Energy Engineers
261 Janine Lane
Exeter, Maine 03833
Tel: 207-375-7230
E-Mail: Seacoast@engineers.com



Landscape Architecture, LLC
 110 New Street, Suite 201
 Newport, Rhode Island 02840
 Tel: (401) 863-3900
 Fax: (401) 863-3710

African Burying Ground

Illustrative Site Plan

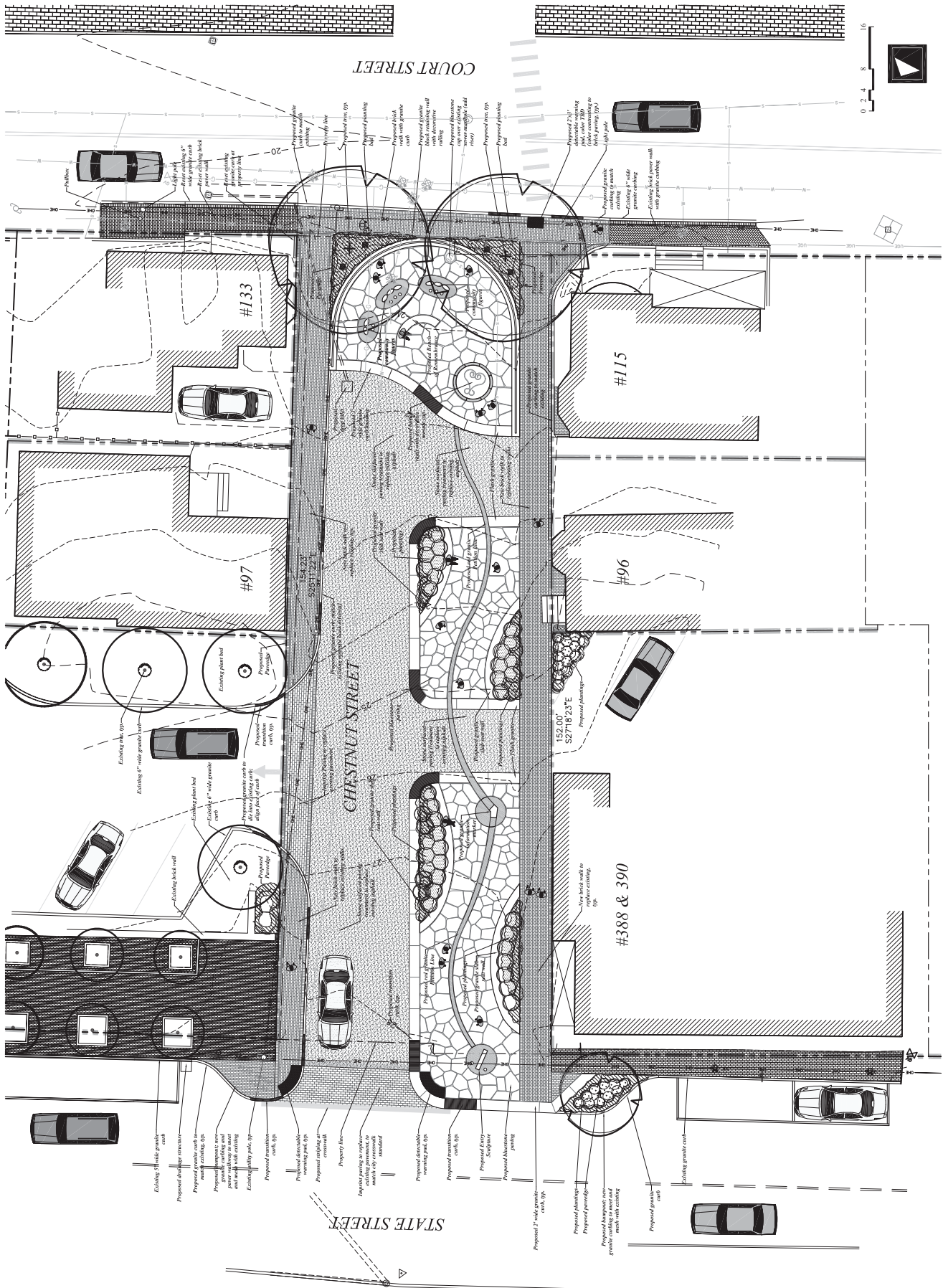
Portsmouth, New Hampshire

Drawn By: FR, WSA
 Checked By: RW
 Scale: 1/8" = 1'-0"
 Date: 2009-07-21
 Revisions: 95% For Review
 2010-06-29
 Revisions for Bid: 2013-04-29
 Revisions for Bid: 2013-05-21
 Issued for RFP: 2014-02-27

L-1

Sheet 1 of 15

© 2013 Woodbury & Company Landscape Architecture, LLC





WOOLBARY & COMPANY, Inc.
 Landscape Architecture, LLC
 1000 Main Street, Suite 100
 Portsmouth, NH 03801
 Tel: 603.435.5900
 Fax: 603.435.5910

African Burying Ground

Demolition Plan

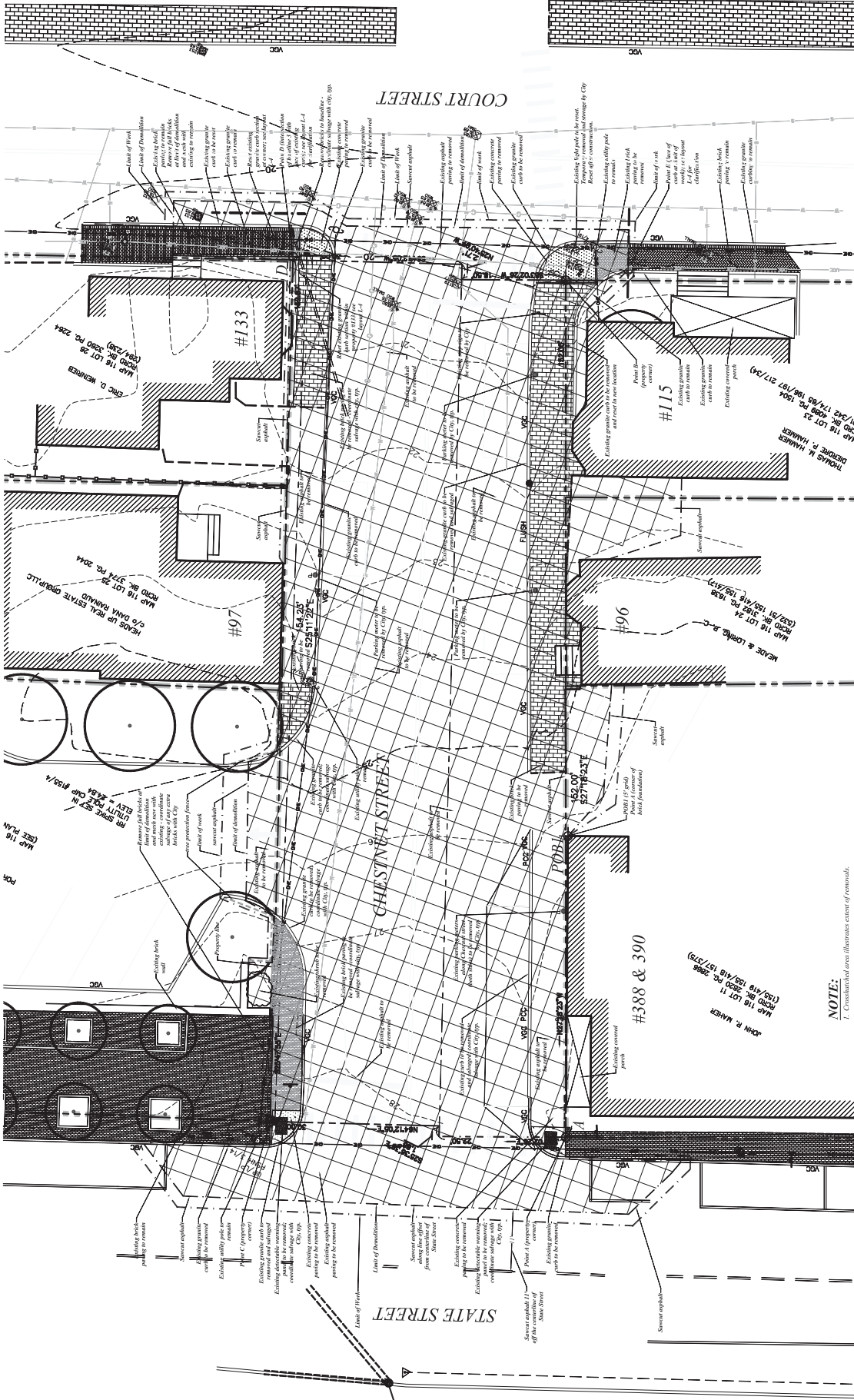
Portsmouth, New Hampshire

Drawn By: JBL, WSA
 Checked By: RHP
 Scale: 1/8" = 1'-0"
 Date: 2009-07-21
 Revisions: 95% For Review
 2010-07-29
 Revisions for Bid: 2013-04-29
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 Issued for RFQ: 2014-02-27

L-3

Sheet 3 of 15

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POINTS KEY

- A Property Corner
- B Property Corner
- C Property Corner
- D Face of existing curb at Line of Work SEE L-4
- E SEE L-4

LEGEND

- PROPERTY LINE
- CURB (AS LABELLED)
- SEWER MAIN
- SEWER MANHOLE
- ONE FOOT CONTOUR
- PARKING METER
- DRAWL HOLE
- AREA OF REPAIRS
- AREA OF DEMOLITION
- DIAGONAL TREE (existing)
- APPROX. WATER LINE
- OVERHEAD ELECTRIC
- UTILITY POLE
- APPROX. SEWER LINE
- OVERHEAD WEA LIGHT
- FENCE (AS LABELLED)
- CONCRETE PAD
- GAS SHUT OFF VALVE
- APPROX. GAS LINE
- BRICK PATIERS
- TREE PROTECTION FENCE

NOTE:

1. Unshaded area illustrates extent of removals.
2. Prior to demolition, contractor shall locate existing drill holes and maintain locations for layout purposes.
3. Contractor shall remove all existing paving including asphalt, concrete & brick within limits of work. Subbase materials shall be removed and replaced with compacted aggregate. Asphalt thickness may be greater than 4" in depth.
4. For all excavations beyond 4' in depth with the exception of gas shut off valves, excavations to hand with an excavator to observe and direct as appropriate.
5. All granite curbing and bricks to be removed shall be salvaged. Contractor shall coordinate with City to determine storage locations.

POBI

X
Y



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African Burying Ground

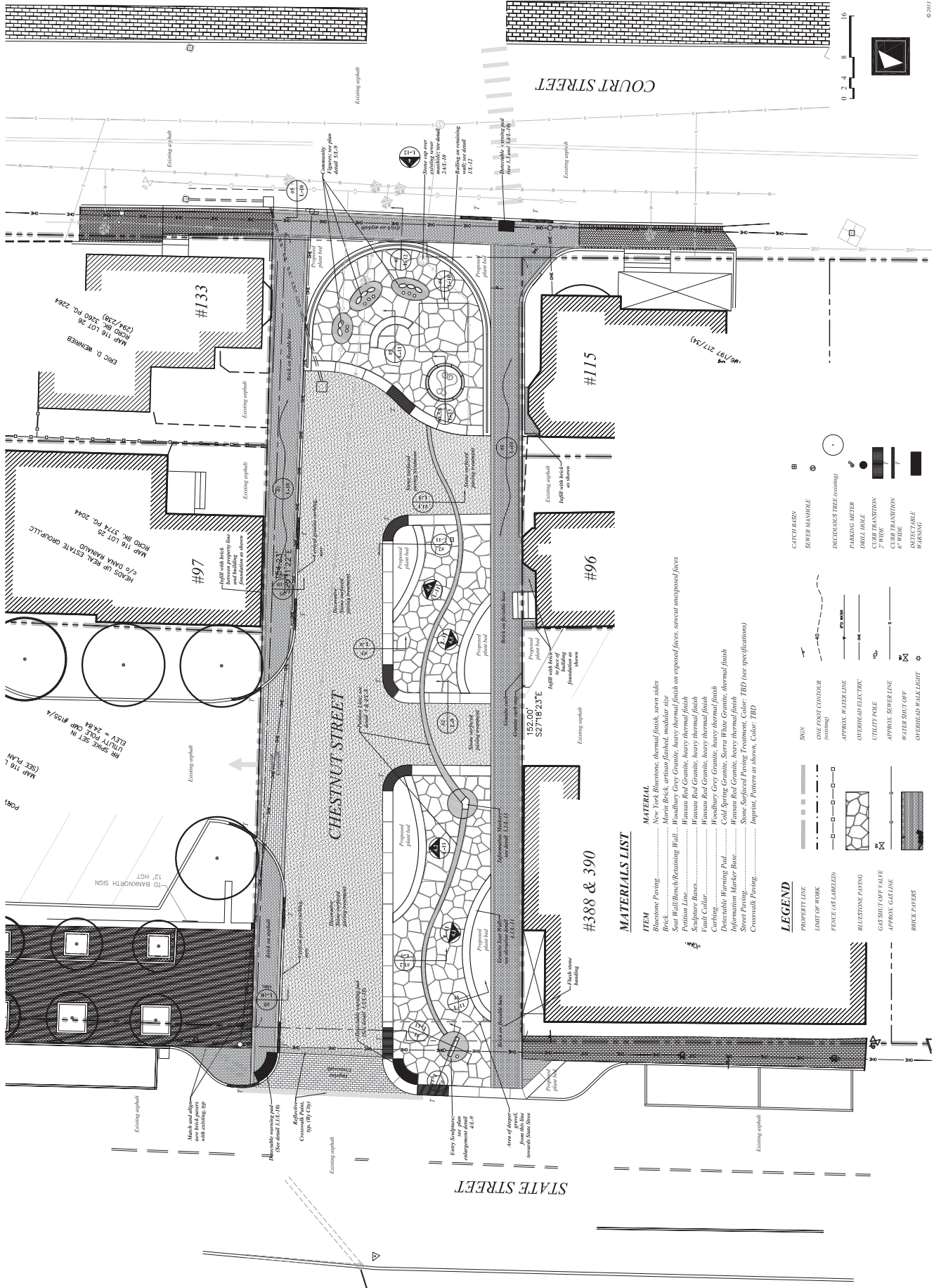
Layout Plan: Materials

Portsmouth, New Hampshire

Drawn By: BR, WSA
Checked By: RJP
Scale: as noted
Date: 2009-07-21
95% For Review
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L-5

Sheet 5 of 15
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MATERIALS LIST

- | | |
|-------------------------------------|--|
| Bluestone Paving..... | New York Bluestone, thermal finish, seven sides |
| Brick..... | Morris Brick, urban finished, modular size |
| Seat Wall/Brick Retaining Wall..... | Woodbury Grey Granite, heavy thermal finish on exposed faces, sawcut unexposed faces |
| Pavilion Line..... | Wasson Red Granite, heavy thermal finish |
| Sculpture Bases..... | Wasson Red Granite, heavy thermal finish |
| Walk Collar..... | Wasson Red Granite, heavy thermal finish |
| Decorative Warning Pad..... | Cold Springs Granite, heavy thermal finish |
| Information Marker Base..... | Wasson Red Granite, heavy thermal finish |
| Street Paving..... | Stone Surfaced Paving Treatment, Color: TBD (see specifications) |
| Crosswalk Paving..... | Imprints, Pattern as shown, Color: TBD |

LEGEND

- | | |
|--------------------|---------------------------|
| PROPERTY LINE | SUN |
| LIMIT OF WORK | ONE FOOT CONTOUR |
| FENCE (AS LABELED) | APPROX WATER LINE |
| BLUESTONE PAVING | OVERHEAD ELECTRIC |
| GAS SHUT OFF VALVE | UTILITY POLE |
| APPROX GAS LINE | APPROX SEWER LINE |
| BRICK PATIERS | WATER SHUT OFF |
| | OVERHEAD FLOOD LIGHT |
| | CATCH BASIN |
| | SEWER MANHOLE |
| | DECIDUOUS TREE (existing) |
| | PARKING METER |
| | DRILL HOLE |
| | 5" WIDE CURB TRANSITION |
| | 6" WIDE CURB TRANSITION |
| | DETECTABLE MARKING |



African Burying Ground

Grading & Drainage Plan

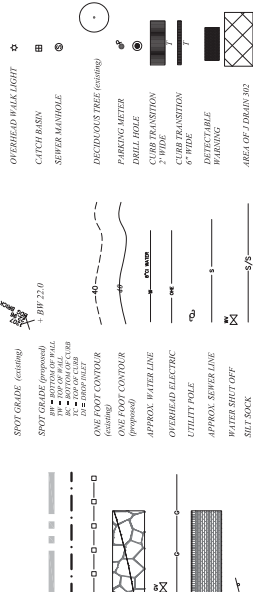
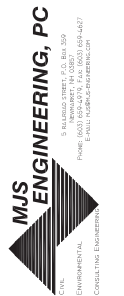
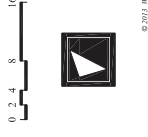
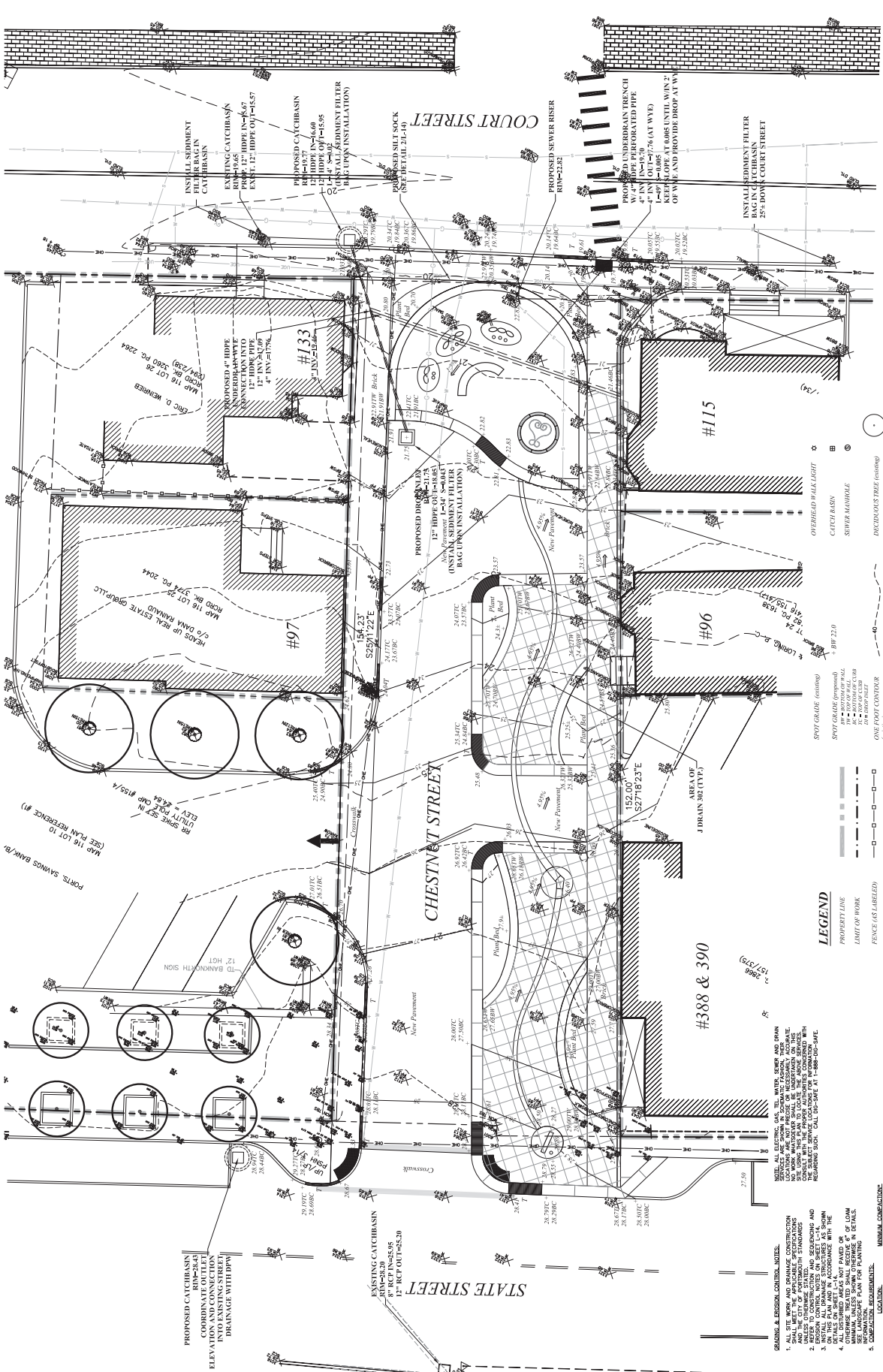
Portsmouth, New Hampshire

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L-7

Sheet 6 of 13

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GRADING & DRAINAGE NOTES:

1. ALL GRADING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION (DOT) STANDARD SPECIFICATIONS FOR HIGHWAYS, BRIDGES, AND STRUCTURES, LATEST EDITION, AND THE LATEST EDITION OF THE NEW HAMPSHIRE DEPARTMENT OF REVENUE AND TAXES (DOR) STANDARD SPECIFICATIONS FOR HIGHWAYS, BRIDGES, AND STRUCTURES, LATEST EDITION.
2. EROSION CONTROL MEASURES SHALL BE INSTALLED ON ALL EXPOSED EARTH SURFACES.
3. ALL DISTURBED AREAS SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.
4. ALL DISTURBED AREAS NOT PAVED OR OTHERWISE PROTECTED SHALL BE PROTECTED WITH EROSION CONTROL MEASURES.
5. EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION.
6. ALL DISTURBED AREAS SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.
7. EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION.
8. ALL DISTURBED AREAS SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

PART 1 – GENERAL

1. GENERAL PROVISIONS: DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF WORK IN CONTACT. REFER TO ALL DRAWINGS ASSOCIATED WITH THIS PROJECT (EACH TRUED) FOR EXACT LOCATION OF ALL EQUIPMENT AND REQUIRED BRACING DETAILS.
2. SCOPE: PERSON WORK AND PROVIDE NEW MATERIAL AND EQUIPMENT AS SHOWN ON DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES AND MATERIALS, WHETHER SPECIFICALLY SHOWN OR NOT. THAT ARE NECESSARY TO MAKE THE SYSTEMS COMPLETE AND FULLY OPERATIONAL. THE DESIGN INTENT IS THE ILLUMINATION OF THE AFRICAN BURIAL GROUND SITE IN WHICH THERE ARE MULTIPLE SETS OF HUMAN REMAINS IN SHALLOW GRAVES ON THE SITE. THE ELECTRICAL CONTRACTOR SHALL USE GREAT CARE IN PLACING IN-GROUND LIGHTING FIXTURES AND DIRECT BURIED RACEWAYS AND EQUIPMENT IN ORDER NOT TO DISTURB EXISTING REMAINS. EXCAVATION AND BACKFILLING FOR THE EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR AND NOT THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATE WITH THE GENERAL CONTRACTOR AS TO THE ROUTING AND BURIAL DEPTH OF ALL RACEWAYS, LIGHTING FIXTURES AND TRANSFORMERS WHICH THE GENERAL CONTRACTOR WILL ENDEAVOR TO ACCOMMODATE BUT ACTUAL ROUTING OF RACEWAYS AND LOCATION OF ELECTRICAL EQUIPMENT WILL BE DETERMINED BY WHAT MAY BE ENCOUNTERED DURING EXCAVATION WHICH MAY REQUIRE A SHIFT IN LOCATION.
3. SITE VISIT: VISIT AND CAREFULLY EXAMINE SITE TO IDENTIFY EXISTING CONDITIONS THAT MAY AFFECT WORK OF THIS SECTION BEFORE SUBMITTING BID. NO EXTRA PAYMENT WILL BE ALLOWED FOR ADDITIONAL WORK CAUSED BY UNFAMILIARITY WITH SITE CONDITIONS THAT ARE VISIBLE OR READILY OBSERVABLE.
4. CODES, STANDARDS, AUTHORITIES AND PERMITS: ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE STATE ELECTRICAL CODE, NEPA, ANSI/NECA CONSTRUCTION STANDARDS, THE STATE ELECTRICAL CODE, REGULATIONS AND LAWS OF LOCAL STATE AND FEDERAL GOVERNMENT, OTHER AUTHORITIES HAVING JURISDICTION AND APPLICABLE BASE BUILDING STANDARDS AND SPECIFICATIONS. CRITERIA, THESE DRAWINGS AND SPECIFICATIONS ILLUSTRATE THE SCOPE REQUIRED FOR THIS PROJECT, WHICH MAY EXCEED MINIMUM CODE, LAW AND STANDARDS CRITERIA. ONE NOTICE, FILE PLANS, OBTAIN PERMITS AND LICENSES, PAY ALL FEES AND OBTAIN NECESSARY JURISDICTION AS REQUIRED FOR THE EXECUTION OF ALL WORK ASSOCIATED WITH THIS PROJECT.
5. INTERPRETATION OF DOCUMENTS: ADVISE THE LANDSCAPE ARCHITECT IN WRITING (BEFORE) PRIOR TO PROCEEDING WITH PROCUREMENT OR INSTALLATION THAT THE DESIGN INTENT IS UNCLEAR OR THAT CONSTRUCTION DOCUMENTS DO NOT CONCORD WITH MANUFACTURER'S RECOMMENDATIONS. ALL COSTS FOR REMARK NECESSARY TO RESOLVE DISCREPANCIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. REQUEST FOR INFORMATION: RFI ISSUED TO RESOLVE A CONFLICT OR DISCREPANCY SHALL BE PROVIDED WITH THE PREFERRED SOLUTION VIA WRITTEN DESCRIPTION OR SKETCH.
7. SUBMITTALS: SUBMIT SHOP DRAWINGS OF ALL MATERIAL TO THE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO ORDERING. OBTAIN AND SUBMIT TO THE LANDSCAPE ARCHITECT ANY REQUESTED SAMPLES. SAMPLES SHALL NOT BE RETURNED TO THE CONTRACTOR OR BUILT INTO PROJECT.
8. OPERATION AND MAINTENANCE DATA: SUBMIT (2) SETS OF OPERATING AND MAINTENANCE MANUALS INCLUDING SYSTEM DESCRIPTION, WIRING DIAGRAMS, WRITTEN WARRANTY, RECOMMENDED SPARE PARTS AND ROUTINE MAINTENANCE REQUIREMENTS WITH RECOMMENDED INTERVALS FOR ALL SUPPLIED EQUIPMENT.
9. RECORD DRAWINGS: CAD RECORD DRAWING FILES SHALL BE SUBMITTED AT THE COMPLETION OF THE PROJECT SHOWING THE "AS-BUILT" CONDITION INCLUDING WORK INSTALLED AND ALL MODIFICATIONS OR ADDITIONS TO ORIGINAL DESIGN. OBTAIN THE AUTOCAD FILES FOR PREPARATION OF AS-BUILT DRAWINGS FROM THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL RIGHTS OF ANY OWNERSHIP OR PROPERTY INTEREST IN THE CAD DRAWINGS BY THE OWNER. THE RIGHTS TO USE THE CAD FILES AND DRAWINGS SHALL BE DEEMED TO USE FOR THE SOLE PURPOSE OF ASSISTING IN THE PERFORMANCE OF CONTRACTUAL OBLIGATIONS WITH RESPECT TO THIS PROJECT. ANY REUSE OF CONTRACTUAL OBLIGATIONS WILL BE AT THE CONTRACTOR'S SOLE RISK AND WITHOUT LIABILITY TO THE ARCHITECT AND ENGINEER.

10. WARRANTIES: WARRANTY INSTALLATION IN WRITING FOR ONE YEAR FROM DATE OF OWNER'S ACCEPTANCE OF CERTIFICATE OF SUBSTANTIAL COMPLETION. REPAIR, REPLACE OR PROVIDE REPLACEMENT ACCORDING TO MANUFACTURER'S DEFECTIVE MATERIALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL RIGHTS OF ANY OWNERSHIP OR PROPERTY INTEREST IN THE CAD DRAWINGS BY THE OWNER. THE RIGHTS TO USE THE CAD FILES AND DRAWINGS SHALL BE DEEMED TO USE FOR THE SOLE PURPOSE OF ASSISTING IN THE PERFORMANCE OF CONTRACTUAL OBLIGATIONS WITH RESPECT TO THIS PROJECT. ANY REUSE OF CONTRACTUAL OBLIGATIONS WILL BE AT THE CONTRACTOR'S SOLE RISK AND WITHOUT LIABILITY TO THE ARCHITECT AND ENGINEER.
11. COORDINATION: CONFER WITH ALL OTHER TRADES RELATIVE TO LOCATION OF ALL APPARATUS AND EQUIPMENT TO BE INSTALLED AND SELECT LOCATIONS SO AS NOT TO CONFLICT WITH OR HINDER PROGRESS OF WORKS OF OTHER SECTIONS. WORK INSTALLED THAT CREATES INTERFERENCE OR RESTRICTS ACCESS REQUIRED BY CODE OR TO CONDUCT MAINTENANCE AND/OR ADJUSTMENTS SHALL BE MODIFIED AT NO ADDITIONAL COST TO THE OWNER.
12. CUTTING AND PATCHING: INCLUDE ALL CORING, CUTTING AND PATCHING NECESSARY FOR THE EXECUTION OF THE WORK OF THIS SECTION.
13. SAFETY PRECAUTIONS: LIFE SAFETY AND ACCIDENT PREVENTION SHALL BE A PRIMARY CONSIDERATION. COMPLY WITH ALL OF THE SAFETY REQUIREMENTS OF THE OWNER AND OSHA THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD OF THE PROJECT. FURNISH, PLACE AND MAINTAIN PROPER GUARDS AND ANY OTHER NECESSARY CONSTRUCTION REQUIRED TO SECURE SAFETY OF LIFE AND PROPERTY.
14. ACCESSIBILITY: ALL WORK PROVIDED UNDER THIS SECTION OF THE SPECIFICATION SHALL BE SO THAT PARTS, EQUIPMENT PERIODIC INSPECTION, MAINTENANCE AND CLEARANCES REQUIRED BY EQUIPMENT OF OTHER TRADES.
15. PROTECTION OF WORK AND PROPERTY: THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE CARE AND PROTECTION OF ALL WORK INCLUDED UNDER THIS SECTION UNTIL THE COMPLETION AND FINAL ACCEPTANCE OF THIS PROJECT. PROTECT ALL EQUIPMENT AND MATERIALS FROM DAMAGE FROM ALL CAUSES INCLUDING, BUT NOT LIMITED TO, FIRE, VANDALISM AND THEFT. ALL MATERIALS AND EQUIPMENT DAMAGED OR STOLEN SHALL BE REPAIRED OR REPLACED WITH EQUAL MATERIAL OR EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER. PROTECT ALL EQUIPMENT, OUTLETS AND OPENINGS WITH TEMPORARY PLUGS, CAPS AND COVERS. PROTECT ALL WORK OR WORKMEN UNDER THIS SECTION AND MAKE GOOD DAMAGE CAUSED BY WORK OR WORKMEN UNDER THIS SECTION AND MAKE GOOD DAMAGE CAUSED BY WORK OR WORKMEN UNDER THIS SECTION AND MAKE GOOD DAMAGE TO SITE STORAGE OF DAMAGED MATERIALS ARE TO BE REMOVED FROM THE SITE. NO EXISTING SYSTEMS AND EQUIPMENT CAUSED BY THIS CONTRACTOR DURING INSTALLATION SHALL BE REPAIRED AND/OR REPLACED AT THIS CONTRACTOR'S EXPENSE TO THE COMPLETE SATISFACTION OF THE BUILDING OWNER.
- PART 2 – PRODUCTS
1. RACEWAYS AND CONDUIT: RACEWAYS EXPOSED TO THE WEATHER OR RACEWAYS THAT ARE DIRECT BURIAL SHALL BE LIQUID TIGHT WITH ASSOCIATED LIQUID TIGHT FITTINGS. RACEWAYS SHALL BE 3/4" TRADE SIZE UNLESS LARGER SIZES ARE NOTED ON THE DRAWINGS.
2. WIRE AND CABLE: ALL CONDUCTORS SHALL BE TYPE THHN/THWN OR XHHW COPPER, RATED 75/90°C, 600 VOLT INSULATION UNLESS OTHERWISE NOTED. MINIMUM SIZE CONDUCTOR SHALL BE #12 AWG COPPER. CONDUCTORS #10 AWG AND LARGER SHALL BE STRANDED; #12 AWG AND SMALLER SHALL BE SOLID. EACH BRANCH CIRCUIT AND FEEDER SHALL BE PROVIDED WITH AN INSULATED GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH NEC TABLE 250.122. CONDUCTOR COLOR CODING SHALL BE IN ACCORDANCE WITH THE DETAILS ON THESE DRAWINGS. COLOR CODING SHALL BE CONSISTENT THROUGHOUT INCLUDING CONDUCTORS INSTALLED IN RACEWAYS.
3. PULL AND JUNCTION BOXES: PROVIDE A BOX WITH SCREW AT EACH JUNCTION POINT AND WHEREVER REQUIRED TO FACILITATE PULLING IN CONDUCTORS. EACH BOX SHALL BE SCHEDULE 40 STEEL. PROVIDE A BOX WITH SCREW AT EACH JUNCTION POINT. BOXES SHALL BE SIZED TO HAVE SUFFICIENT VOLUME TO ACCOMMODATE THE NUMBER OF CONDUCTORS ENTERING THE BOX PER THE NATIONAL ELECTRIC CODE. PULL AND JUNCTION BOXES SHALL BE DIRECT BURIED AND THE EXACT LOCATION SHALL BE IDENTIFIED ON THE AS-BUILT DRAWINGS BY MEASUREMENT FROM FIXED OBJECTS.

4. TRANSFORMERS FOR LOW VOLTAGE LIGHTING SYSTEM SHALL BE MINIMUM LIGHTING #M1-300T-120V, MAGNETIC TYPE COMPLETE WITH CIRCUIT BREAKERS TO BE MOUNTED IN A STAINLESS STEEL ENCLOSURE. ALL USED FOR OUTDOOR WEATHER RESISTANT. SECONDARY SHALL BE 12 VOLTS. UNLESS OTHERWISE INDICATED BY LIGHT FIXTURE MANUFACTURER, THE EXACT LOCATION ON THE TRANSFORMERS SHALL BE IDENTIFIED ON THE AS-BUILT DRAWINGS BY MEASUREMENT FROM FIXED OBJECTS.
5. OVERCURRENT PROTECTION: SHALL BE PROVIDED IN THE DECORATIVE STREET LIGHTING POLE WHERE THE EXISTING STREET LIGHTING CIRCUIT IS TAPPED. THE ELECTRICAL CONTRACTOR SHALL INSTALL IN THE BASE OF THE LIGHT POLE AN IN-LINE FUSE HOLDER, BUS F#1/8" WITH FUSE RATED 5 AMPERES TO SERVE THE CIRCUIT EXTENSION FOR THE BURIAL GROUND LIGHTING FIXTURES.
6. EQUIPMENT GROUNDING: ALL EXPOSED NON-CURRENT CARRYING CONDUCTIVE MATERIAL ENCLOSED ELECTRICAL EQUIPMENT OR FORMING PART OF SUCH EQUIPMENT OPERATING ON THE 120 VOLT SYSTEM SHALL BE BONDED TOGETHER IN A POSITIVE CONTINUOUS RACEWAY AND EQUIPMENT GROUNDING SYSTEM. SIZES OF CONDUCTORS SHALL BE DETERMINED BY THE NATIONAL ELECTRICAL CODE. GREEN INSULATED EQUIPMENT GROUNDING CONDUCTORS SHALL BE INSTALLED IN EVERY LIGHTING 120 VOLT AND POWER CIRCUIT RACEWAY BONDED TO THE DEVICE OR EQUIPMENT AND CONNECTED TO THE EQUIPMENT GROUND WITHIN THE DECORATIVE LIGHT POLE WHERE THE SOURCE OF POWER IS OBTAINED. GROUNDING CONDUCTOR SHALL BE #12 AWG MINIMUM. THERE SHALL BE ONE GROUNDING CONDUCTOR FOR EACH CIRCUIT. RACEWAYS SHALL BE SIZED TO INCLUDE THE REQUIRED EQUIPMENT GROUNDING CONDUCTOR. WAPPING OR LOOPING EQUIPMENT GROUNDING CONDUCTORS WILL NOT BE ACCEPTED. FOR VOLTAGE FUND WIRES AT FULL OR JUNCTION BOXES, THEY MUST BE TIED TO THE EQUIPMENT GROUNDING CONDUCTOR. LIVE PARTS AND INSTALLED UNDER A SOLIDFERRUS PLUS BOLTED TO THE BOX.
7. LIGHTING FIXTURES: SHALL BE NEW, FINISHED COMPLETE WITH A FULL COMPLIMENT OF THE LAMPS SPECIFIED INSTALLED IN THE FIXTURES AND SPECIFIED APPURTENANCES. FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND DETAILS ON ELECTRICAL AND LANDSCAPE PLANS. SELECTION OF FINISHES FOR ALL LIGHTING FIXTURES SHALL BE DETERMINED BY THE LANDSCAPE ARCHITECT. ON-OFF CONTROLS FOR TYPES A, B AND C LIGHTING FIXTURES SHALL BE BY AN EXISTING CONTROL DEVICE WHICH CONTROLS THE STREET LIGHT CIRCUIT THAT IS BEING TAPPED IN THE DECORATIVE STREET LIGHTING POLE. THE EXISTING STREET LIGHTING CIRCUIT SHALL INCLUDE AN INTERVAL PHOTO CONTROL FOR ON-OFF CONTROLS. ALL METAL FIXTURES AND CONNECTIONS SHALL BE NON-CORROSIVE.

PART 3 EXECUTION

1. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL LIGHTING FIXTURES, LAMPS, EQUIPMENT BOXES, RACEWAYS AND WIRING INDICATED ON THE DRAWINGS OR SPECIFIED HEREIN IN ACCORDANCE WITH THE BEST PRACTICES OF THE TRADE TO THE COMPLETE SATISFACTION OF THE ENGINEER.
2. THE ELECTRICAL CONTRACTOR SHALL REFER TO LANDSCAPE DRAWINGS AND LANDSCAPE ARCHITECT FOR EXACT LOCATION OF EQUIPMENT, ADJUST LOCATIONS AND MOUNTING HEIGHTS AS DIRECTED BY LANDSCAPE ARCHITECT. FIELD VERIFY ALL LOCATIONS PRIOR TO ROUGH-IN.
3. THE ELECTRICAL CONTRACTOR SHALL FULLY COORDINATE WORK WITH OTHER TRADES.
4. AFTER INSTALLATION ALL ELECTRICAL EQUIPMENT SHALL BE PROTECTED FROM DAMAGE DURING THE CONSTRUCTION PERIOD.
5. DURING THE COURSE OF THE CONSTRUCTION THE ELECTRICAL CONTRACTOR SHALL MARK-UP A SET OF ELECTRICAL DRAWINGS TO REFLECT ALL CHANGES IN LOCATION OF ELECTRICAL RACEWAYS AND EQUIPMENT AND SHALL ALSO IDENTIFY THE EXACT LOCATION OF ALL BURIED TRANSFORMERS AND PULL AND JUNCTION BOXES BY DIMENSIONS FROM 2 FIXED POINTS. THESE MARKED-UP DRAWINGS SHALL BECOME THE AS-BUILT DRAWINGS AND SHALL BE INCLUDED IN THE O & M MANUALS.



African Burying Ground

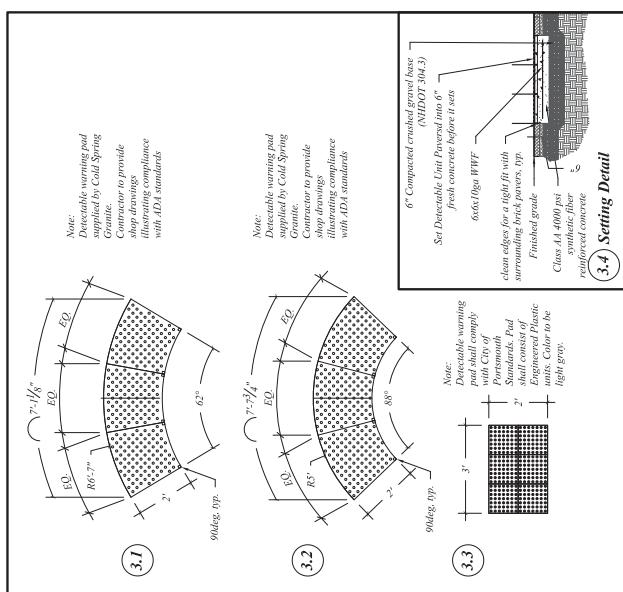
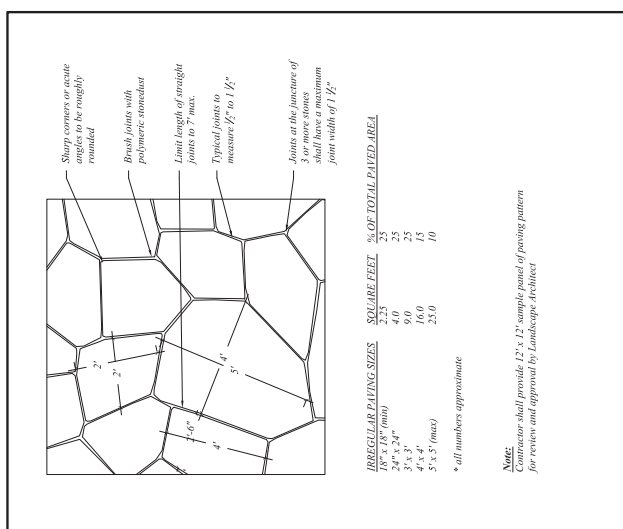
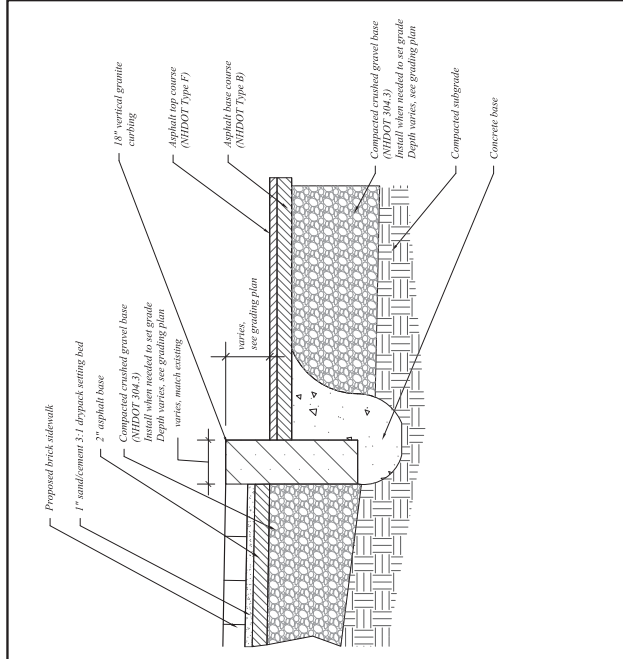
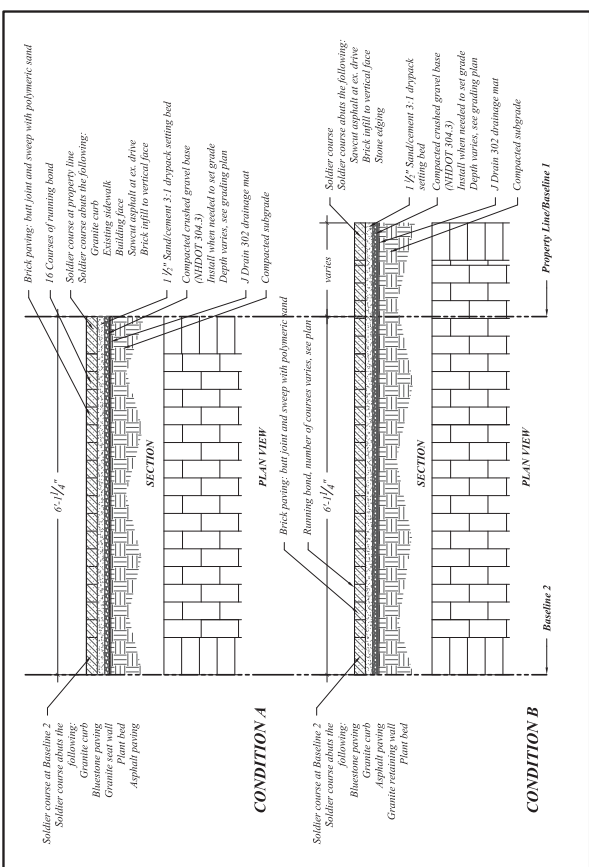
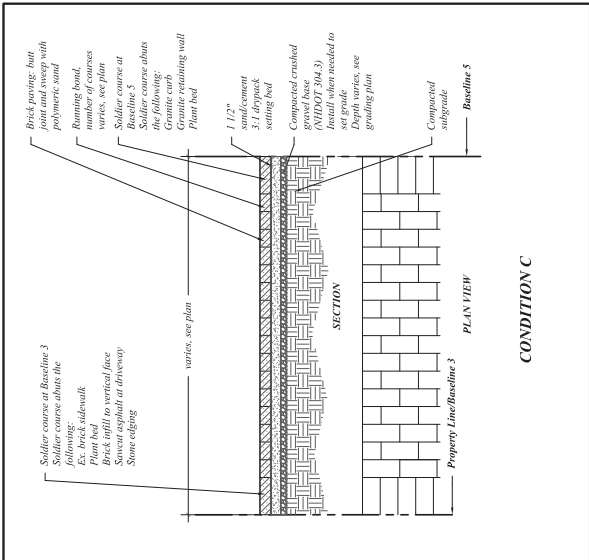
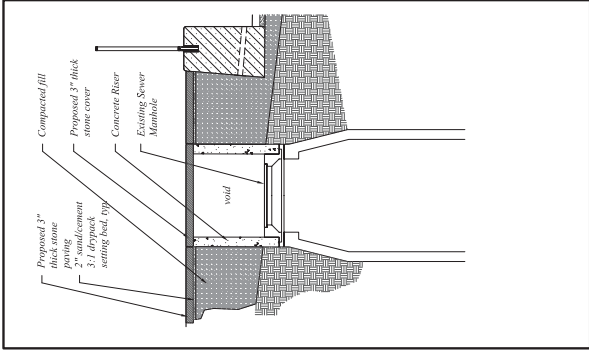
Paving Details

Portsmouth, New Hampshire

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L-10

Sheet 11 of 15
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5 VERTICAL GRANITE CURB
 Scale: 1/2"=1'-0"

4 BLUESTONE PAVING PATTERN, TYP.
 Scale: 1/2"=1'-0"

3 DETECTABLE WARNING PADS
 Scale: 1/2"=1'-0"

