

*(The following is not a verbatim transcript of comments or discussion that occurred during the meeting, but rather a summarization intended for general informational purposes. All motions and votes are the official records).*

## **PUBLIC WORKS COMMITTEE**

Regular meeting of the Public Works Committee was held on Monday, June 6, 2016, in the Council Chambers, City Hall, Cranston, Rhode Island.

### **CALL MEETING TO ORDER:**

The meeting was called to order at 6:45 P.M. by the Chairman.

Present: Councilman Mario Aceto, Chair  
Councilman Steven A. Stycos, Vice-Chair  
Councilman Michael J Farina  
Council Vice-President Richard D. Santamaria, Jr.  
Councilman Christopher G. Paplauskas  
Council President John E. Lanni, Jr.

Also Present: Council Majority Leader Paul H. Archetto  
Council Minority Leader Michael W. Favicchio  
Jeffrey Barone, Director of Constituent Affairs  
Kenneth Mason, Director of Public Works  
Christopher Rawson, City Solicitor  
Maria Medeiros Wall, City Clerk  
Rosalba Zanni, Assistant City Clerk/Clerk of Committees  
Heather Finger, Stenographer

### **MINUTES OF THE LAST MEETING:**

On motion by Council President Lanni, seconded by Councilman Paplauskas, it was voted to dispense with the reading of the minutes of the last meeting and they stand approved as recorded. Motion passed unanimously.

### **CORRESPONDENCE:**

### **PUBLIC HEARING:**

## OLD BUSINESS:

*Executive Session pursuant to RIGL 45- 46-5(a)(2) Pending litigation (Summary Review by former Deputy Solicitor Evan Kirshenbaum):*

- **Rhode Island Resource Recovery Corporation Appeal dated November 21, 2012 from ruling dated November 5, 2012 on Aug. 15, 2012 Fine Notice.** (Cont. 6/3/2013, 1/6/2014, 2/3/2014 & 7/7/2014 & 2/4/2015). [\[click here to view\]](#)
- **Rhode Island Resource Recovery Corporation Dec. 7, 2012 Appeal of Fine Notice dated Aug. 15, 2012.** (Cont. 6/3/2013, 1/6/2014, 2/3/2014 & 7/7/2014 & 2/4/2015). [\[click here to view\]](#)
- **RIRRC Appeal of DPW Director's Decision on RIRRC's Petition for Review of Modification to Industrial Wastewater Discharge Permit #1808.** (Cont. 11/4/2013, 1/6/2014, 2/3/2014 & 7/7/2014 & 2/4/2015). [\[click to view\]](#)

## NEW BUSINESS:

*Executive Session pursuant to RIGL 45- 46-5(a)(2) Pending litigation (Review Solicitor, Attorneys Traini, DeMello and Lepizzera):*

- **Rhode Island Resource Recovery Corporation Appeal dated November 21, 2012 from ruling dated November 5, 2012 on Aug. 15, 2012 Fine Notice.** (Cont. 6/3/2013, 1/6/2014, 2/3/2014 & 7/7/2014 & 2/4/2015). [\[click here to view\]](#)
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- **RIRRC Appeal of DPW Director's Decision on RIRRC's Petition for Review of Modification to Industrial Wastewater Discharge Permit #1808.** (Cont. 11/4/2013, 1/6/2014, 2/3/2014 & 7/7/2014 & 2/4/2015). [\[click to view\]](#)

On motion by Councilman Farina, seconded by Councilman Paplauskas, it was voted to go into Executive Session pursuant to RIGL 42-46-5(a)(2) Pending Litigation. Motion passed unanimously.

The meeting went into Executive Session at 6:45 P.M.

Present in Executive Session: Councilmen Aceto, Stycos, Farina, Council Vice-President Santamaria, Councilman Paplauskas and Council President Lanni; Council Majority Leader Archetto, Council Minority Leader Favicchio; Jeffrey Barone, Director of Constituent Affairs; Kenneth Mason, Director of Public Works; Christopher Rawson, City Solicitor; Maria Medeiros Wall, City Clerk; Rosalba Zanni, Assistant City Clerk/Clerk of Committees; Attorneys Antony Traini and Scott DeMello.

On motion by Council President Lanni, seconded by Councilman Paplauskas, it was voted to come out of Executive Session. Motion passed unanimously.

The meeting came out of Executive Session at 7:30 P.M.

***Monthly Status update on School Projects*** (Referred from 4/7/2016 Finance Budget Hearing). Council President Lanni.

**Chair** gave update on the following projects:

- Work is starting at Rhodes and a few other elementary schools
- Roof at Cranston High School West is on target to start and should be done before school opens in September
- Park View window project is done and Science room is almost done
- Cranston Vocational rehab is 90% done

***Monthly Status update on fines for illegal tie-ins.*** Referred from 4/18/2016 Finance Budget Hearing - Councilman Aceto.

Discussed in Executive Session.

***Quarterly report from Grant Writer on what Grants have been applied for and what has been received.*** Referred from 4/20/2016 Finance Budget Hearing.

**Kenneth Filarski**, City Council Grant Writer, appeared to speak and highlighted various Grants he is looking into. He stated that two days before Grant application was do, he applied for additional funding for Stadium project and decision should be made sometime late Summer. He met today with Commerce RI. He will be looking to see if the City has any capital projects the City would like addressed to see if they meet the criteria. He also is still looking at solar speed lights.

***Sewer Tie In request from Ann Marie DiBiasio for property at 1707 Plainfield Pike, Johnston.***  
[\[click to view\]](#)

**Ann Marie DiBiasio** appeared to speak.

**Chair** asked if the City of Cranston has an Interjurisdictional Agreement with the Town of Johnston. Mr. Mason stated that currently, there is none. Chair questioned how the City of Cranston can enforce this tie-in if it is approved. Mr. Mason stated by approving it. He indicated that there is a new State Law that requires it if it is available.

**Council President Lanni** addressed the enforcement and questioned how the City of Cranston can go into Johnston to inspect the facility. Mr. Mason stated that he cannot answer this question. This property has one residential unit and two commercial buildings, which one is an auto repair business.

**Ms. DiBiasio** stated that there are a total of four toilets. She quoted House Bill 507, which was introduced and passed last year.

**Council Vice-President Santamaria** questioned if there is a danger of chemicals getting into our system because of the businesses there. Mr. Mason stated that if this tie-in is approved, there would be several conditions to be met by the applicant, such as:

- Subject to final engineering in accordance with Annex A of the sewer regulations and the Public Works approval
- Payment of appropriate City of Cranston Impact Fees
- Municipal Industrial Pretreatment Program review and approval
- Applicant must obtain a Physical Alteration Permit from RIDOT for excavation into Plainfield Pike

**Council Vice-President Santamaria** asked Mr. Mason if he has a problem, if this is approved, doing an inspection without an Interjurisdictional Agreement. Mr. Mason stated that he would be willing to enter the property to do the inspection.

**Solicitor** stated that he would have to review the new State Statute. He indicated that even if this is approved, it would be a conditional approval because there are levels of approvals the applicant would have to go through.

**Council Minority Leader Favicchio** stated that the new State Law 45-24.5-6 contains five different conditions that have to be met by the applicant and he suggested that his could be passed subject to that Statute.

**Solicitor** stated that the fact that there is no Interjurisdictional Agreement has no bearings on this.

**Council President Lanni** asked if there is a difference in the sewer rate for Johnston users as opposed to Cranston. Mr. Mason stated that Johnston users pay a 25% premium over the Cranston rate.

On motion by Councilman Farina, seconded by Council President Lanni, it was voted to approve this request for sewer tie-in subject to applicant meeting all State Statute requirements and all City Ordinances. Motion passed unanimously.

**Chair** indicated that this request will be on the Docket for the June Council meeting for full City Council vote.

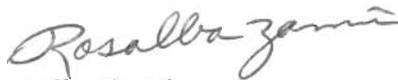
#### **MISCELLANEOUS BUSINESS:**

**Council Majority Leader Archetto** asked that street paving list for Ward 3 be provided for the next meeting.

**Councilman Stycos** asked that the full City Council be provided with a paving list. Mr. Barone stated that he will forward that the City Council as soon as possible.

The meeting adjourned at 8:00 P.M.

Respectfully submitted,



Rosalba Zanni

Assistant City Clerk/Clerk of Committees

June 2, 2016

Arcangelo DiBiasio  
Ann Marie DiBiasio  
1712 Pippin Orchard Rd  
Cranston, RI 02921

City of Cranston

Kenneth Mason-Director Public Works

869 Park Ave

Cranston RI 02920

Dear Mr Mason:

We own the property at 1707 and 1709 Plainfield Pike, Johnston, RI. The septic system at 1707 Plainfield Pike has failed and we are requesting the opportunity to tie in to the Cranston sewer line.

Please see accompanying map/details.

A few years ago, Allegria Court on Nardolillo St, Johnston, RI was able to tie into that line. The line went directly past both of our properties.

This property consists of a house with one toilet, a garage in the front with one toilet, and another garage in back with 2 toilets.

Plainfield Pike already has water and gas available to all residents.

If you need additional information I could be reached at 401-374-5904.

Thank you for your assistance with this matter.



Ann Marie DiBiasio

④ Sewer main

1709 Plainfield

2 Toilets House

Arcangelo + Ann Marie DiBasio

NARDO HILLO sewer line

Sewers

Allegria Court

200 ft

Auto Repair

1 Toilet

1707

PLAINFIELD PIKE

200'

1 Toilet HOUSE

Auto Repair 2 Toilets

Arcangelo + Ann Marie DiBasio

Sewer line

1750 Plainfield Pike

Arcangelo + Ann Marie DiBasio  
WE OWN BOTH CORNER PROPERTIES  
\*\*\* Sewer line was granted for Allegria Court

**ALLAN W. FUNG  
MAYOR**



**Kenneth R. Mason P.E.  
Director of Public Works**

**DEPARTMENT OF PUBLIC WORKS  
CITY HALL, ROOM 109  
869 PARK AVENUE  
CRANSTON, RHODE ISLAND 02910**

**MEMO**

Date: June 6, 2016

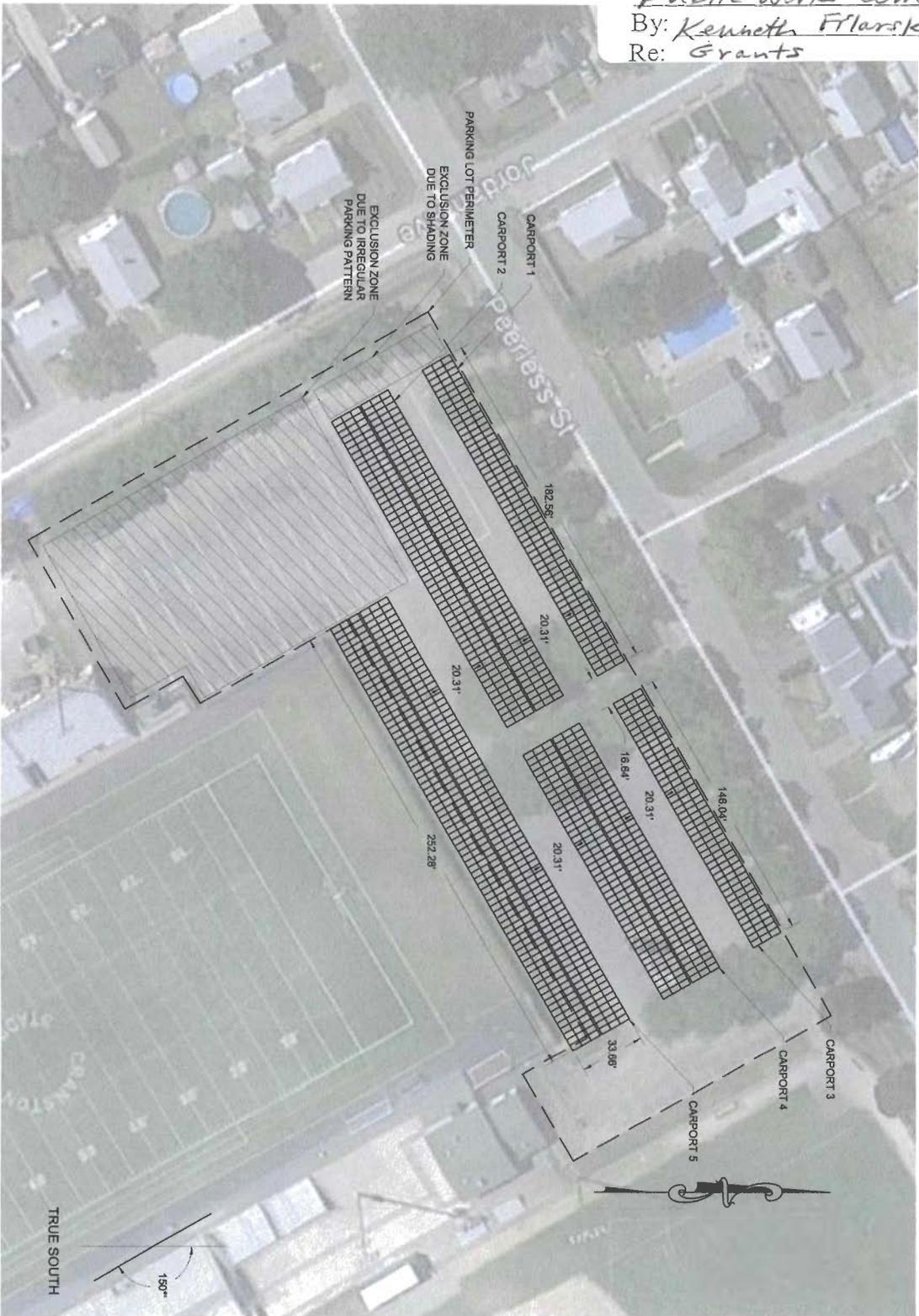
From: Ken Mason, Director of Public Works

RE: Johnston Sewer Connection – 1707 Plainfield Pike

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Approval subject to the following:

- Subject to final engineering in accordance with Annex A of the sewer regulations, and Public Works approval
- Payment of appropriate City of Cranston Impact Fees
- Municipal Industrial Pretreatment Program review and approval
- Applicant must obtain a Physical Alteration Permit from RIDOT for excavation into Plainfield Pike.



**1** ARRAY LAYOUT  
SCALE: 1:50

<p><b>NPTRE</b> Newport Renewables 38 WASHINGTON SQUARE NEWPORT, RI 02840</p>	<p>P: 401.619.5906 F: 401.619.5516 e: info@nptre.com web: nptre.com</p>	<p><b>CRANSTON STADIUM</b> 38 GORHAM AVENUE CRANSTON, RI 02910</p>	<p><b>NOTES:</b> -SOLAR WORLD 390 - QTY (1347) -CARPORT 1: QTY (185) -CARPORT 2: QTY (230) -CARPORT 4: QTY (284) -CARPORT 5: QTY (458) -TOTAL PARKING QTY (1347)</p>	<p>-TOTAL CAPACITY - 386.83 MW DC -PARKING: 386.83 MW DC -ALL MEASUREMENTS IN DECIMAL FEET -ARRAY SETBACK: AS NOTED -PANEL TILT -SHR. DING: NA -PARKING: 1° -AZIMUTH: 180° -PACKING TYPE: RIBI</p>	<p>SHEET NAME <b>ARRAY LAYOUT</b></p>	<p>SHEET NO. <b>A-1.0</b></p>	<p>DRAWN/UP CHECK/CAD/CHECKS/IF HOR. SCALE: NA VERT SCALE: NA SHEET: 1 OF: 1 DATE: 6/20/15 JOB NO.: 1</p>
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CITY OF CRANSTON

Ex. # 2 Sub: 6-6-16

Public Works Comm

By: Kenneth Filarski

Re: Grants



# THE CRANSTON DISCOVERY NETWORK

*An Overview ~ Conceptual Ideas and Images*

*for a*

*project of community discovery and individual learning  
through a network*

*celebrating the people, places, and events significant to the City of Cranston*

© **FILARSKI** ARCHITECTURE + PLANNING + RESEARCH

11 February, 2016

# Centennial Community Grants Application

## Application

### Centennial Community Gifts Grant Application

The Rhode Island Foundation believes that our community can best be served by charitable organizations that both reflect and serve the diversity of our community. We do not award grants to applicants or for programs that have a policy that discriminates against any person or group in any way that is either unlawful or inconsistent with the mission or values of the Foundation.

#### SECTION I: ORGANIZATION INFORMATION

Name of Organization or Entity:  
City of Cranston, Rhode Island

Chief Executive Name:  
Allan W. Fung

Chief Executive Title:  
Mayor

Chief Executive Email:  
afung@cranstonri.org

Address:  
869 Park Avenue

Address (line 2):

City:	State:	Zip Code:
Cranston	Rhode Island	02910

Telephone Number:  
(xxx) xxx-xxxx  
401-780-3110

Extension:

Fax Number:  
(xxx) xxx-xxxx  
401-780-3113

Organization's Website:  
www.cranstonri.org

Does your organization have its tax-exempt 501(c) status?

Yes

**Please note: If this is the first time your organization has applied to the Rhode Island Foundation for funding, you will need to upload a copy of your IRS 501 (c) tax determination letter. You will be prompted to upload this document at the end of this application.**

EIN of your organization or that of your fiscal sponsor:

05-6000110

**If you are using a fiscal sponsor, please complete SECTION II: FISCAL SPONSOR INFORMATION. If not, please proceed to SECTION III: PROJECT INFORMATION.**

## SECTION II: FISCAL SPONSOR INFORMATION

Is your organization using a fiscal sponsor for this project/program?

No

Organization Name:

Fiscal Sponsor: By entering this organization's name you are affirming that you, the applicant, have discussed this funding request and the organization, listed here, has agreed to serve as the Fiscal Sponsor for this application.

Prefix:

First Name:

Middle Initial:

Last Name:

Title:

Address:

Address (line 2):

City:

State:

Zip Code:

<None>

Telephone:  
(xxx) xxx-xxxx

Extension:

Fax:  
(xxx) xxx-xxxx

E-mail:

Website:

### **SECTION III: PROJECT INFORMATION**

Project Title (maximum 10 words):  
Name should accurately describe your project.

The Cranston Discovery Network

What community is your proposed project designed to serve? Please select one:  
Cranston

This project is designed to celebrate the unique character of Rhode Island's communities. What does the word "community" mean to you in regards to this project? What words would you use to describe your community? (Maximum 100 words):

Community is the holistic and synergetic total of the past, present, and the future of the people, places, and events in a given locale. Community is also formed and bonded through action and involvement, and respect for all people in all times. The Cranston Discovery Network will do just that, creating a time and place for community action and involvement incorporating respect for all. In just this short time of developing this grant application we are gratified in our discovery of the many layers of events over different times, by people from diverse corners of society, that have occurred in and around the same place, is both fascinating and wonderful.

Project Description (Maximum 500 words):  
Please describe your proposed project.

The Cranston Discovery Network is a project of community discovery and individual learning through a network celebrating the people, places, and events significant to the City of Cranston.

The Cranston Discovery Network will publicly open the eyes and the minds of the residents of our community to the people, places, and events that have made a mark on our history, our heritage, and at times the physical fabric and form of our City by telling the stories of those people, places, and events with pictures, and words both written and spoken.

The Cranston Discovery Network will develop a series of exhibit quality, full color, large display boards made of weather resistant materials which will be mounted for outdoor public display, depicting significant events, places, and people forming the heritage of our City. The exhibition display boards will combine visual graphics, the written word, and smartphone app connections to the spoken word of storytelling and oral history for each particular exhibition board.

The Cranston Discovery Network will embrace the public in this initiative with outreach through the Cranston Herald, the Cranston Public Library, the Cranston Schools, the Senior Center, and certainly the Cranston Historical Society which will be an important overall contributing partner and research partner to the work of this project.

Some initial ideas that have been suggested to date through informal discussions with people in the community:

- Washington-Rochambeau Revolutionary Route (W3R)
- Narragansett Trotting Park, and the story of the motor speedway - where Cranston Stadium is, and the surrounding neighborhood
- Sprague Mansion
- Historic Mill houses
- Cranston Print Works
- St. Ann's Church location on Cranston Street which was the place of the Gordon family home and store at the time of the infamous trial of John Gordon.
- Some site in Knightsville telling the story about the immigration from Itri, Italy
- Town Hall (where gazebo is)
- Knightsville Meeting House
- Oldest Bank in Cranston (near Phenix and Scituate Avenues)
- Joy Homestead
- Site of Dugaway Mill, which is now the Champlin Boy Scout Reservation
- Stillhouse Cove
- Pawtuxet Village and the Burning of the HMS Gaspee
- The story of the origin of "Monkeyville" in Colonial times, which is now Knightsville
- The story of St Anne's and St Mary's Churches - St. Anne's being the Irish church, later Italian immigrants wanting their own church, founded St. Mary's illustrating the waves of immigration coming to Cranston. St Anne's is now a Maronite Church, indicating another socio-cultural wave continuing in the present.

Together with the full compliment of suggestions gathered from community input, one core component of The Cranston Discovery Network will be the Washington-Rochambeau Revolutionary Route (W3R) in Cranston, which follows Cranston Street turning onto the old Scituate Road, now Park Avenue. The Washington-Rochambeau Revolutionary Route (W3R) a major route for communications, troops, and supplies, is a 680-mile (1,094 km)-long series of roads used by the Continental Army under the command of George Washington and the Expédition Particulière under the command of Jean-Baptiste de Rochambeau during their 1781 march from Newport, Rhode Island, to Yorktown, Virginia. The route is a designated National Historic Trail established in 2009.

This route embraces the historical Sprague Mansion, the Cranston Print Works, the historical mill housing, the Joy Homestead, St. Mary's Church and St. Ann's Church, and the Knightsville neighborhood which proudly connects our City with Itri, Italy. In this one part of The Cranston Discovery Network we find a rich and spectacular bridge of people and events over time to the present day. The Knightsville/Cranston Street area was the focal area of the City's KeepSpace project, part of the statewide community building initiative of Rhode Island Housing. The illustration of The Cranston Discovery Network with respect to Knightsville is a prototype presenting a richly layered history over time. However it now only reaches back to the American Revolution. Further research will be undertaken to go back further in time and place including that of our Native American peoples.

(Please note that an "Additional Documents" attachment in support of this grant application was sent

under separate cover (email).

What specific permits or approvals does your project require, and have you already received them? If so, please upload any relevant supporting material (i.e. letter of support from a town manager, or receipt of a special use permit from your city). If not, please describe your proposed process for achieving whatever permissions your project requires. Please be as specific as possible (Maximum 250 words):

Permits are not required. However during the process of selecting the sites and the appropriate placing of the exhibition display board material, the City will work closely with the owners and/or operators of the buildings and/or the properties of the selected sites to obtain permission, cooperation, and coordination of the placement of the materials for The Cranston Discovery Network.

Amount requested:

Grants will be made in the range of \$5,000 - \$15,000.

15,000

Start Date:

05/02/2016

End Date:

05/01/2017

#### **SECTION IV: CONTACT PERSON**

**Please complete this section only if the contact person is different from the chief executive officer listed above in Organization Information.**

Prefix:

Mr.

First Name:

Kenneth J.

Last Name:

Filarski

Suffix:

FAIA AICP

Title:

City of Cranston Grant Consultant

Office Telephone Number:

(xxx) xxx-xxxx

401-331-8800

Office Telephone Extension:

n/a

Cell Phone:

(xxx) xxx-xxxx

401-331-8800

E-mail:

kjfilarski@yahoo.com

### Attachments

Title	File Name
Supporting Materials	MX-M364N_20160212_084401.pdf
Supporting Materials	RIFSuppltr-CranHist.Soc.022.pdf
Proposal Budget	CranstonDiscoveryNetwork-Centennial%20Community%20Grants%20Budget%20Form.xlsx
IRS Letter	MX-M364N_20160212_140807.pdf

Files attached to this form may be deleted 120 days after submission.

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- *Stillhouse Cove*
- *Pawtuxet Village and the Burning of the HMS Gaspee*
- *The story of the origin of "Monkeytown" "Monk Town", or "Among Town" in Colonial times, which is now Knightsville*
- *The story of St Anne's and St Mary's Churches - St. Anne's being the Irish church, later Italian immigrants wanting their own church, founded St. Mary's illustrating the waves of immigration coming to Cranston. St Anne's is now a Maronite Church, indicating another socio-cultural wave continuing in the present.*
- *The former Narragansett Brewery*

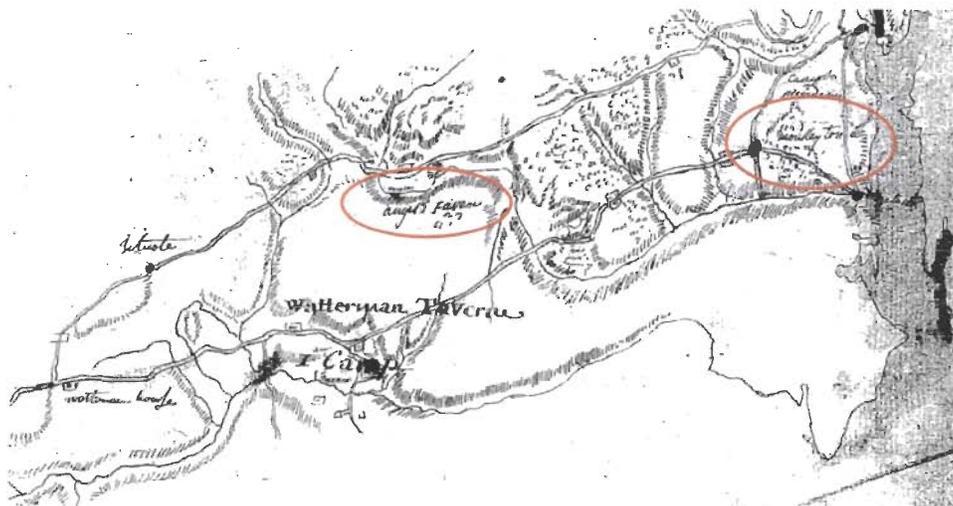
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## The Cranston Discovery Network ~ Prototype Vignettes

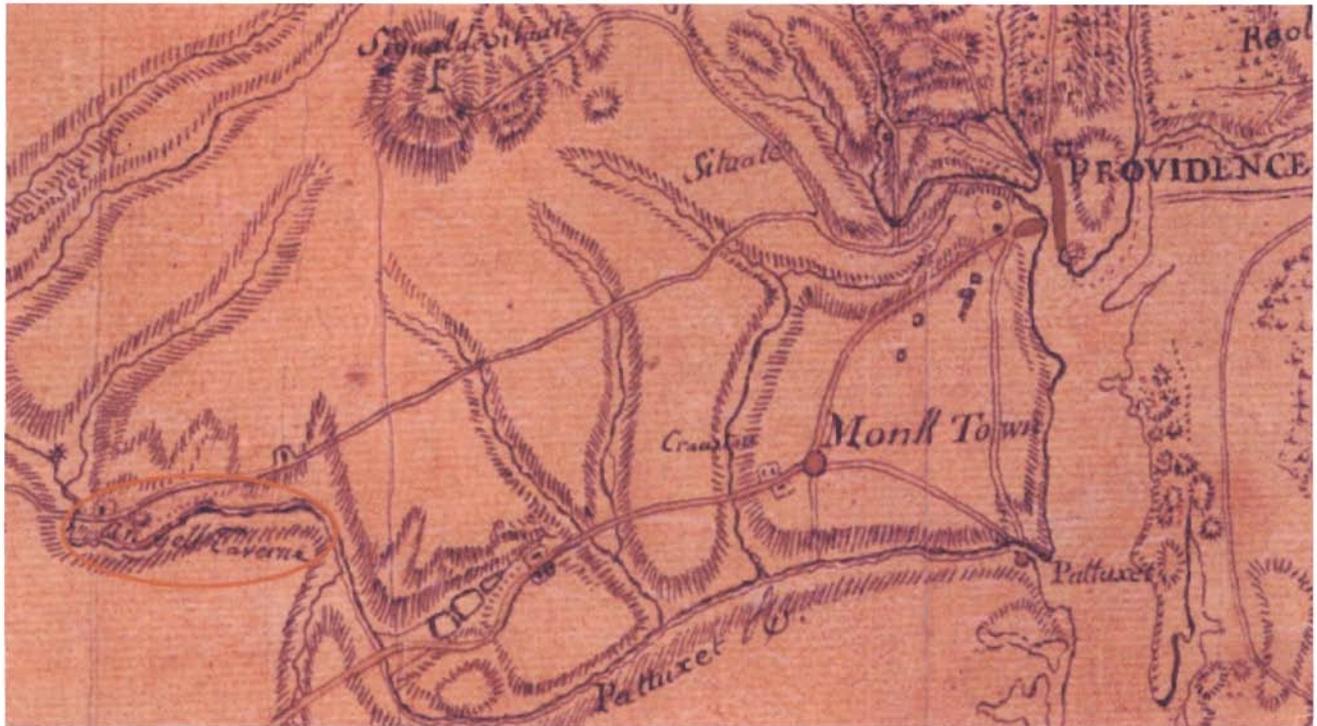
Road description from Preston, Howard W. "Rochambeau and the French Troops in Providence in 1780-81-82." *Rhode Island Historical Society Collections* vol. 17 No. 1 (January 1924), pp. 1-23, pp. 14/15.

Judging from the maps in the Rochambeau Collection and the early maps of Providence, the French army, on leaving the camp ground between Broad and Plane Streets, passed through the present Stewart Street to High Street, and west along this to the junction (Hoyle Tavern), where, leaving on their right the road to Hartford, they took the road to the left, then called the Monkey Town road, now Cranston Street, and followed this to Monkeytown, now Knightsville. The army here turned to the right following the old Scituate road over Dugaway hill by the late Pippin Orchard School house, over Apple House hill and Bald hill, crossing the Pawtuxet at the village of Kent and on to Waterman's Tavern, fifteen miles, the end of the first day's march and the first camp. Waterman's Tavern is still standing in good condition near Potterville on the old Scituate road a mile or so north of the new state highway. It is now the home of Mr. Elmer A. Havens, who shows two wells of small diameter neatly stoned, that are said to have been dug by the French troops that camped here, both on the march to Yorktown and on the return march. The instructions for the march say: "The camp is in quite a good position although in the midst of woods, having a brook in front, and behind, the tavern and the main road from Providence to Watermans much better than that by Angells tavern. The accommodations for divisional headquarters are not abundant but more than at Angell's tavern or Whipple house." On June 19, the regiment of Royal Deux-Ponts set out for the camp at Waterman's, followed on the 20th by the regiment of Soissonnais and on the 21st by Saintonge. With the departure of this last regiment, there were left in Providence a guard for the baggage and munitions stored in the Old Market House, and the surgeons and attendants at the hospital in University Hall.



Map 10: March Route from Providence to Waterman's Tavern

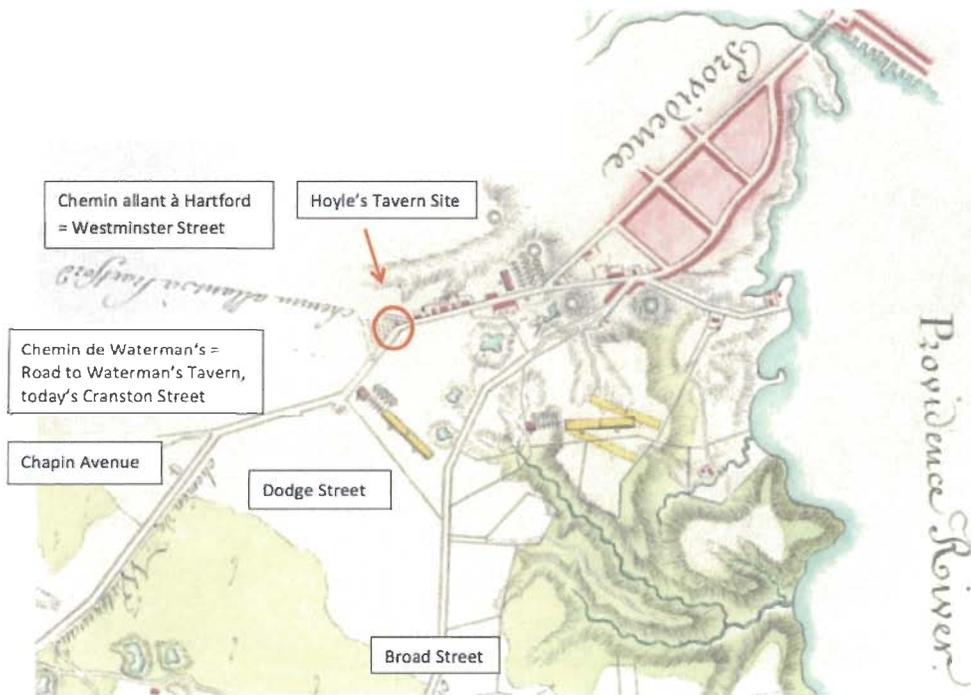
Louis François Bertrand Dupont d'Aubevoye, comte de Lauberdière, *Journal de l'Armée aux ordres de Monsieur de Comte de Rochambeau pendant les campagnes de 1780, 1781, 1782, 1783 dans l'Amérique septentrionale*. Waterman Hill Road merges on the far left of the map onto Plainfield Pike (RI-SR 14). "Monkey Town", today's Knightsville, is on the far right of the map. Note the location of Angell's Tavern and the campsite. Lauberdière was an aide-de-camp to Rochambeau; his map almost identical with a map in the Rochambeau Map Collection in the Library of Congress.



Map 9: March route from the campsite in Providence to Waterman's Tavern.

Rochambeau Map Collection, Library of Congress

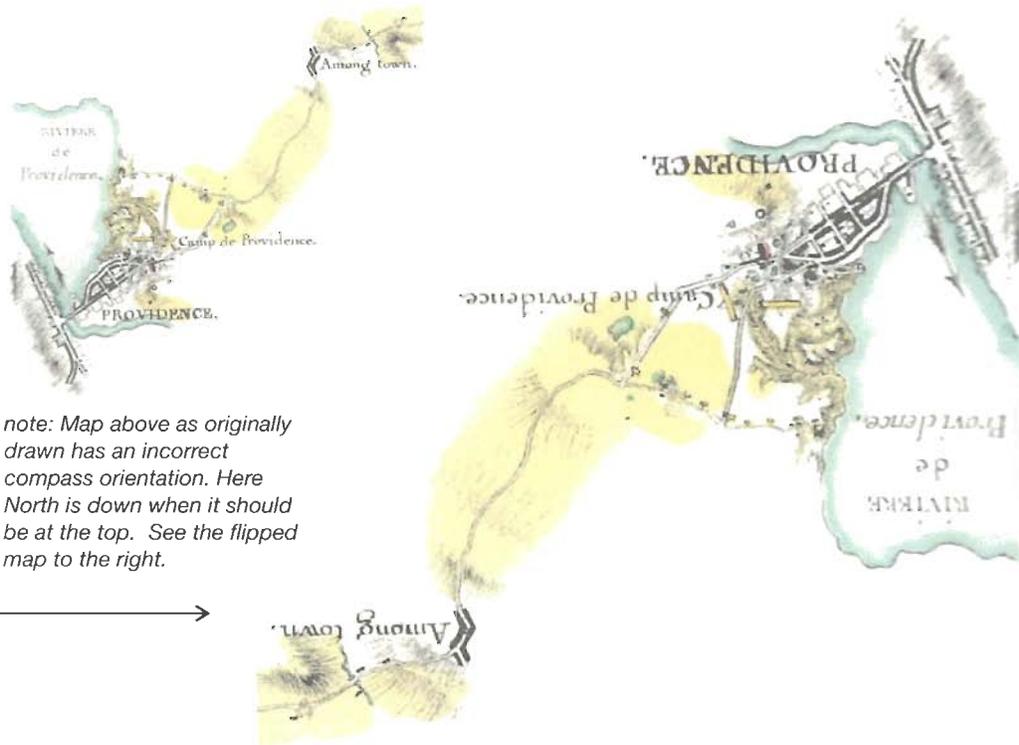
"Monk Town" or "Monkey Town" is today's Knightsville. Note the location of Angell's Tavern.



Map 3: French Campsite in Providence, June 1781

Reproduced in Rice and Brown, *American Campaigns*, vol. 2, Map 27 (detail).

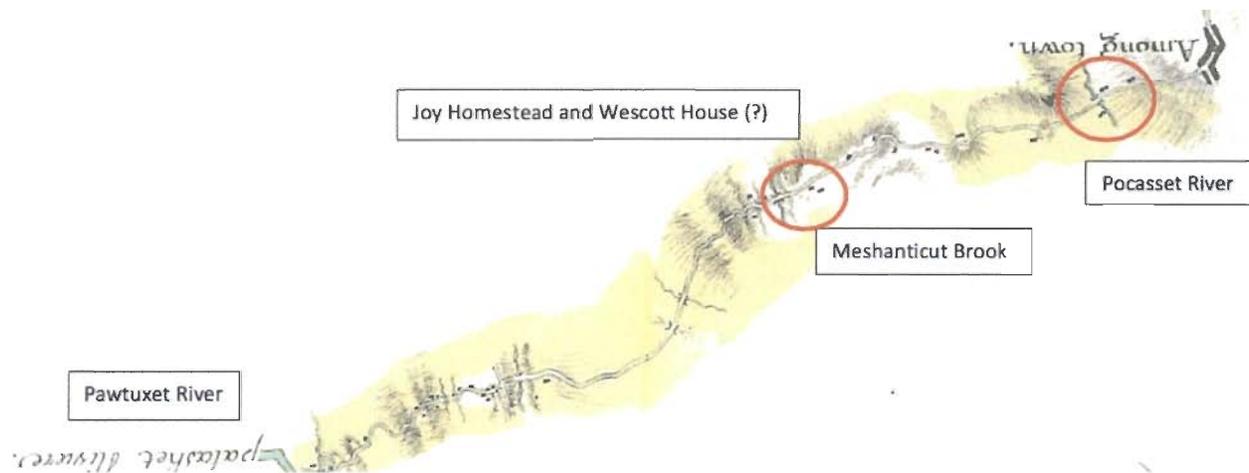
"Hoyle's Tavern" was started by Obadiah Brown, a blacksmith, ca.1739/40. Joseph Hoyle purchased the site on 22 April 1783.



• note: Map above as originally drawn has an incorrect compass orientation. Here North is down when it should be at the top. See the flipped map to the right.

Map 5: French March Route from Providence to Monkeytown (“Among town”), today’s Knightsville

Reproduced in Rice and Brown, *American Campaigns*, vol. 2, Map 14 (detail)

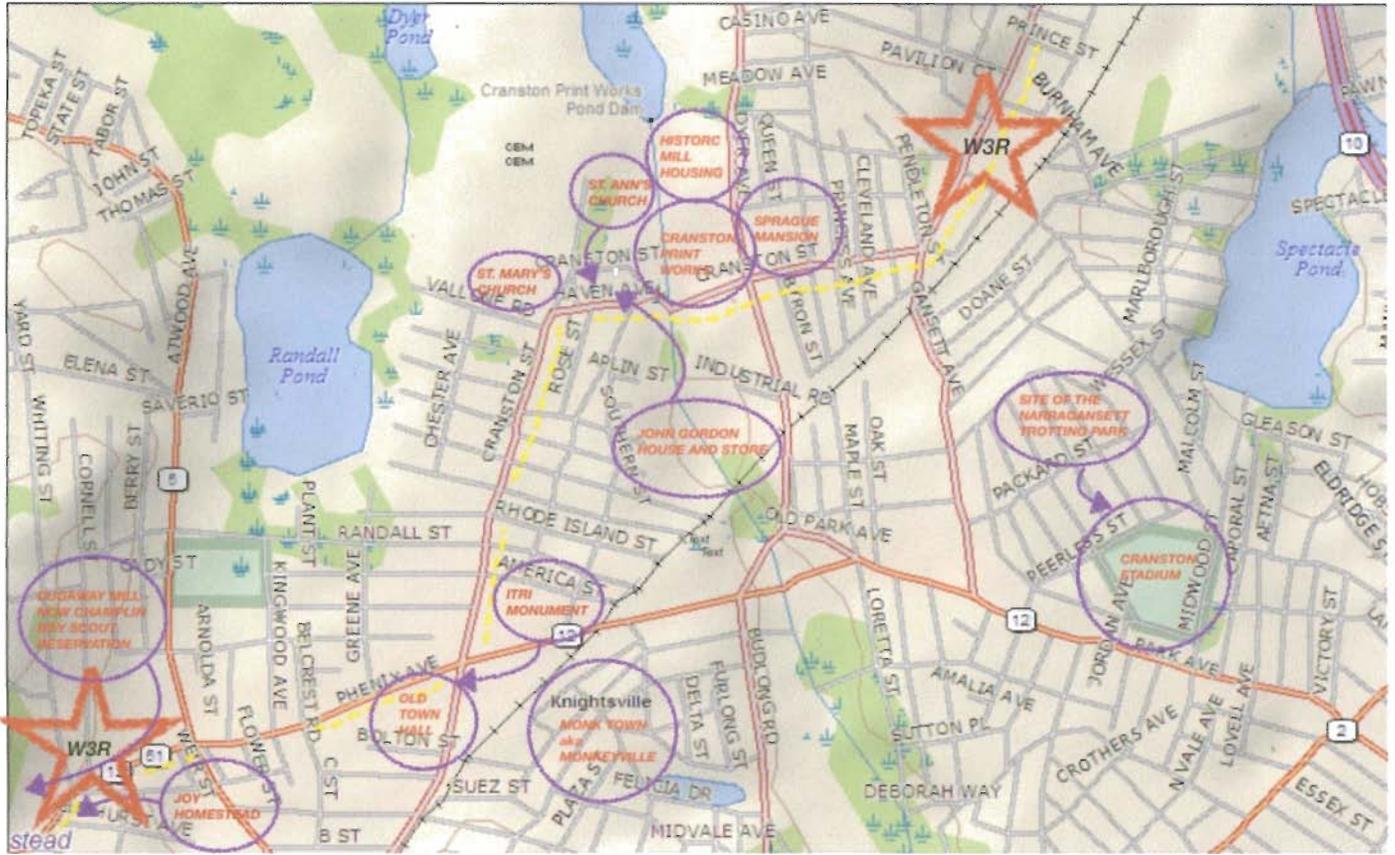


Map 7: French March Route from Monkeytown (“Among town”), today’s Knightsville to the Pawtuxet

Reproduced in Rice and Brown, *American Campaigns*, vol. 2, Map 14 (detail)

• note: The French cartographers originally drew the above maps with the North orientation opposite from the top of the page as is the normal cartographic method. These maps have the correct compass orientation but the original map labelling is upside down. The author of the document where these maps appeared flipped the originally drawn map orientation to view as the correct North as being at the top of the page, i.e., at the top of the drawing.

*The Cranston Discovery Network Prototype ~ People, Places, and Events*

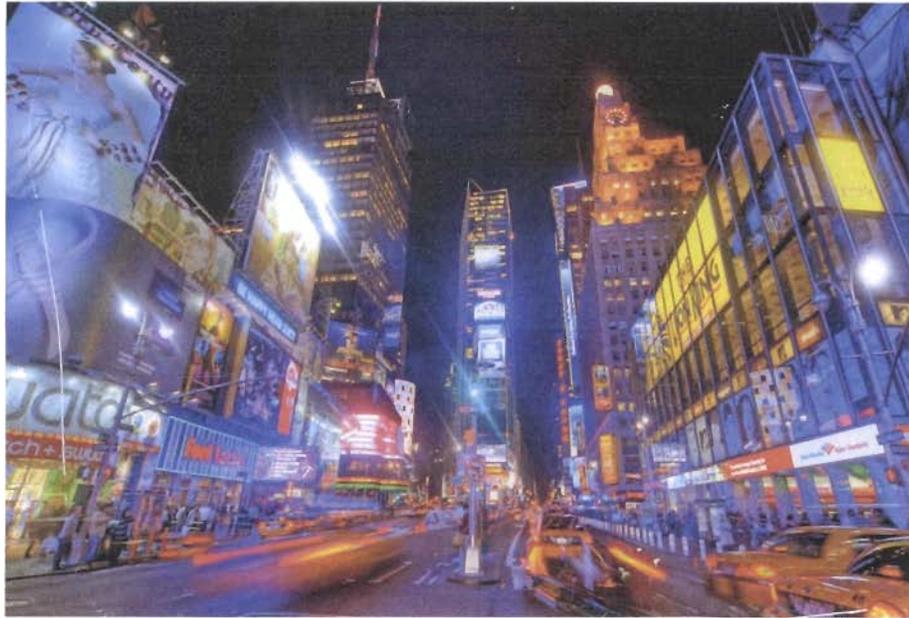


Map 6: March route from the campsite in Providence on Cranston Street to Waterman's Tavern.

Cranston Street becomes Route 12 after the intersection with Route 5.

- *The W3R Washington-Rochambeau Revolutionary Route is shown in the yellow dashed lines as it traverses the now Knightsville neighborhood of Cranston, which was then called "Among Town", "Monk Town", or "Monkey Town".*
- *Overlaid on the W3R Route are a number of places where people, events, and the places themselves lend themselves to inclusion in the overall Cranston Discovery Network.*

The Cranston Discovery Network Exhibition Boards~Graphic Image Sample Directly Printed to DIBOND



Direct Print to: DIBOND

- Description
- Availability
- Downloads
- Case Histories

**DIBOND®**  
Aluminum Composite Material

Dibond® is the industry's leading aluminum composite material (ACM) for more than 15 years. It is comprised of two pre-painted sheets of .012" aluminum with a solid polyethylene core. Made In USA.

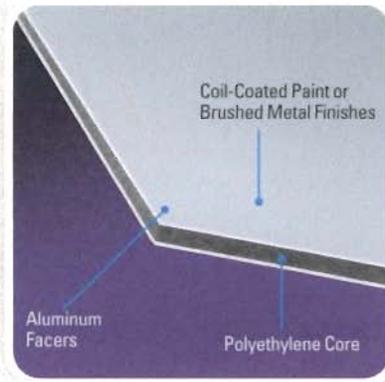
- Excellent for **digital printing** as well as **mounting**
- Flattest panel on the market
- Superior surface protects expensive digital and screenprinted graphics
- Provides excellent durability in outdoor applications
- Won't bow or oil can
- Approximately one half the weight of aluminum
- Can be routed and returned to add dimension or roll-formed to deliver sweeping curves

**Flammability Characteristics**

- Self extinguishing
- UL 94V-0
- Class 1 or Class A fire rating (ASTM E-84)

**Recommended Applications**

- **P-O-P Displays** Long-term application life
- **Exhibits & Kiosks** Long-term application life
- **Framing** Long-term application life
- **Framing - Archival** Long-term application life
- **Signage - Interior** Long-term application life
- **Signage - Exterior** Long-term application life
- **Signage - Structural** Long-term application life



**Recommended Fabrications**

- **Mounting** Cold mounting techniques only
- **Repositioning Vinyl**
- **Digital Printing**
- **Screen Printing**
- **Painting**
- **Saw Cutting**
- **Routing**
- **Die Cut/Punch** Punch press die set is required; not a steel rule die
- **Forming Curves**

Rhode Island Foundation  
1 Union Station  
Providence, RI 02903

Dear Sir or Madam,

It is with great pride that I write to support the City of Cranston's application of The Cranston Discovery Network for funding through the Rhode Island Foundation's Centennial Community Grant initiative.

The Cranston Discovery Network will publicly open the eyes and the minds of the residents of our community to the people, places, and events that have made a mark on our history, our heritage, and at times the physical fabric and form of our City.

The grant will fund the development of exhibit quality, full color, large display boards made of weather resistant materials to be mounted for outdoor public display, depicting significant events, places, and people forming the heritage of our City.

The grant will involve the public to solicit suggestions and ideas for the displays. We will specifically involve the Cranston Schools, the Senior Center, and certainly the Cranston Historical Society will be an important contributing partner to our work.

Together with the suggestions, one core of The Cranston Discovery Network will be the Washington-Rochambeau Revolutionary Route (W3R) which follows Cranston Street turning onto the old Scituate Road, now Park Avenue. This route embraces the historical Sprague Mansion, the Cranston Print Works, the historical mill housing, the Joy Homestead, St. Mary's Church and St. Ann's Church, and the Knightsville neighborhood which proudly connects our City with Itri, Italy. In this one part of The Cranston Discovery Network we find a rich and spectacular bridge over time and events to the present day.

On March 30, 2009, U.S. President Barack Obama signed into law the Omnibus Public Land Management Act, one of whose provisions was to designate the Washington-Rochambeau Revolutionary Route as a National Historic Trail.

We in the City of Cranston, and I strongly urge the Rhode Island Foundation to fund this exciting project which will bring the life of our past to our present day.

Sincerely,

Allan Fung  
Mayor

(DRAFT)



## CRANSTON HISTORICAL SOCIETY

Governor Sprague Mansion  
Joy Homestead  
(401) 944-9226

1351 Cranston Street ~ Cranston, Rhode Island 02920

RI Foundation  
1 Union Station  
Providence, RI 02903

February 9, 2016

Dear Sir or Madam:

The Cranston Historical Society offers its enthusiastic support to the Cranston Discovery Network and its plan to provide interpretive signage to historic sites in our city. In order to feel like a community, the citizens of Cranston need to know the shared history that binds us together. What events shaped our city? Which people influenced us? What buildings are still standing that remind us of the way Cranston looked years ago?

The Society especially likes that the project will encompass the Knightsville area of Cranston which includes both of our historic properties – the Governor Sprague Mansion and the Joy Homestead. Although important to our history, this area of Cranston is often overlooked despite the fact that the Washington - Rochambeau Revolutionary Route runs through the heart of it and two early 19<sup>th</sup> century industrial sites are located there. These mills made the area a magnet for significant numbers of Irish and Italian immigrants.

We at the Cranston Historical Society are eager to use our historical knowledge and artifacts to contribute to this project.

Sincerely yours,

Sandra M. Moyer  
President  
Cranston Historical Society



# RHODE ISLAND FOUNDATION

1916 - 2016

Rhode Island Foundation  
Centennial Community Grants  
Budget Proposal Form  
For more information, visit [www.rifoundation.org](http://www.rifoundation.org)

Item	Amount Requested from Rhode Island Foundation		In-Kind Donations		Other Funding			Total Budget
	\$		\$		Amount	Source	Secured?	
<b>Example: \$1,000 stipend for 4 performing artists</b>	\$	2,000.00	\$	1,500.00	\$500	ABC Organization	yes	\$4,000
Item 1 Historical Research: 15 Exhibition Boards	\$	3,000.00	\$	3,000.00	-	Cranston Hist. Society	yes	\$6,000
Item 2 Design/Graphics/Photo: 15 Exhib. Boards, Mapping	\$	7,500.00	\$	7,500.00	-	FILARSKI Architecture	yes	\$15,000
Item 3 Smartphone Narrations: 15 Exhibition Boards	\$	750.00	\$	750.00	-	TBD	no	\$1,500
Item 4 Dibond Printing: 15 Exhibition Boards & Duplicates	\$	3,000.00	\$	-	-	N/A	N/A	\$3,000
Item 5 Mounting Materials: 15 Exhibition Boards	\$	750.00	\$	750.00	-	Mtgs.: Volunteers- TBD	no	\$1,500
Item 6	\$	-	\$	-	-	-	-	\$0
Item 7	\$	-	\$	-	-	-	-	\$0
Item 8	\$	-	\$	-	-	-	-	\$0
Item 9	\$	-	\$	-	-	-	-	\$0
Item 10	\$	-	\$	-	-	-	-	\$0
Item 11	\$	-	\$	-	-	-	-	\$0
Item 12	\$	-	\$	-	-	-	-	\$0
Item 13	\$	-	\$	-	-	-	-	\$0
Item 14	\$	-	\$	-	-	-	-	\$0
Item 15	\$	-	\$	-	-	-	-	\$0
<b>Totals</b>	\$	15,000.00						

Questions about this budget form? Please email Toby Shepherd, Grant Programs Officer, at [Tshepherd@RIFoundation.org](mailto:Tshepherd@RIFoundation.org)

CITY OF CRANSTON  
Ex. # 3 Sub: 6-6-16  
Public Works comm.  
By: Kenneth Filarski  
Re: Grants

Application # \_\_\_\_\_  
Date Received: \_\_\_\_\_



## Rhode Island Recreation Acquisition & Development Grant Program *2016 Grant Application*

**Instructions:** A separate application is required for each grant request. Save this form on your computer and enter the information in the boxes provided. Complete the entire application for Acquisition and Large Development Grants and only Questions #1-15 for Small Development Grants.

**Email** the following attachments to [lisa.mcgreavy@dem.ri.gov](mailto:lisa.mcgreavy@dem.ri.gov): Application Form, Project Boundary Map (required - **INCLUDED**), Project/Property Master Plan (optional - **INCLUDED**), and Local Approval Documents (Q#15 - **INCLUDED**).

**Deadline:** Friday, May 27, 2016 at 4pm

**Questions?** Contact Lisa McGreavy 222-2776, ext. 7611

**Grant Category (Select One Only):**

N.A. - Recreation Acquisition \$100,000 to \$400,000 (50% match)  Complete all questions

- **Large Recreation Development \$100,001 to \$400,000 (20% match)** - Complete all questions

- **New Facility (within the footprint and form of an existing facility, i.e, an earth berm)**

N.A. Rehabilitation of Existing Facility

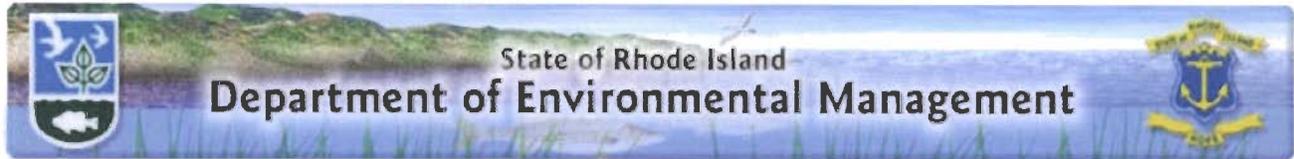
N.A. - Small Recreation Development up to \$100,000 (20% match) - Complete Questions #1-15

N.A. - New Facility

N.A. - Rehabilitation of Existing Facility

**Enter the following information in the fillable box provided:**

1. Municipality: City of Cranston, Rhode Island
2. Project Name: Cranston Stadium - An Earth Sheltered, Sustainable Athletic Facility
3. Project/Property Street Address: 35 Flint Avenue, Cranston, RI (as shown in Title Card)
4. Plat/Map and Lot: 6-3 2700 11.61 acres
5. Authorized Local Government Official: Allan W. Fung, Mayor
6. Address: Cranston City Hall, 869 Park Avenue, Cranston, RI 02910
7. Telephone: 401-780-6170
8. Contact Name & Email: Anthony Liberatore aliberatore@cranstonri.org
9. FEIN: #05-6000110
10. Target Dates: Start Date: Project is currently in Progress Finish Date: August 31, 2017



## Rhode Island Recreation Acquisition & Development Grant Program *2016 Grant Application*

**Instructions:** A separate application is required for each grant request. Save this form on your computer and enter the information in the boxes provided. Complete the entire application for Acquisition and Large Development Grants and only Questions #1-15 for Small Development Grants.

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- **Large Recreation Development \$100,001 to \$400,000 (20% match)** - Complete all questions

- **New Facility (within the footprint and form of an existing facility, i.e, an earth berm)**

N.A. Rehabilitation of Existing Facility

N.A. - Small Recreation Development up to \$100,000 (20% match) - Complete Questions #1-15

N.A. - New Facility

N.A. - Rehabilitation of Existing Facility

**Enter the following information in the fillable box provided:**

1. Municipality: City of Cranston, Rhode Island
2. Project Name: Cranston Stadium - An Earth Sheltered, Sustainable Athletic Facility
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8. Contact Name & Email: Anthony Liberatore aliberatore@cranstonri.org
9. FEIN: #05-6000110
10. Target Dates: Start Date: Project is currently in Progress Finish Date: August 31, 2017

## 11. PROJECT DESCRIPTION:

This project is currently underway. This application is for additional project funding to supplement the original 2014 RI Department of Environmental Management Grant, 2013-70-6. The reasons for the additional funding request are:

- *The area of the project site available for project staging of equipment, materials, and labor is smaller and tighter than what was shown on the original As-built Site Plan, resulting in slightly higher than normal construction sequencing costs.*
- *The projected geothermal and air to air exchange mechanical systems will have a higher cost due to the inverse ratio of the small size of the building with the more intense use, and greater scale of heating, cooling, plumbing, and electrical system demand requirements for a locker room.*
- *The additional structural system and structural geometry costs resulting from the differences discovered between the existing physical conditions of the shape, form, size, the berm crestline, and footprint of the earth berm from an As-Built Site Plan. The geometry of the earth berm is central and critical to the design of the structure and the locker rooms. This discrepancy is referenced in the Resolution of the Cranston City Council.*
- *New project costs for the existing retaining wall which will need to be demolished and integrated into the given , and now known, existing conditions and geometry of the earth berm.*
- *New use and the programmatic addition of an events director/game officials/referee locker room into the facility. This is referenced in the Resolution of the Cranston City Council.*

The Cranston Stadium Earth Sheltered Sustainable Athletic Facility (Project) is the design and development of new locker room facilities totaling 4,270 gross square feet, 3,858 net square feet. A Project Systems and Code Overview is on page 9 outlining the project details.

This facility will enhance and expand the ability of the City to attract a wider range of participants and audiences, with new active recreation and cultural recreation offerings, that will enhance and expand the interscholastic and youth recreation programs for the City of Cranston, the State of Rhode Island, and the region.

by incorporating these new facilities within the land form, geometry, footprint and volume of an existing facility - the curvilinear earth berm that is located on the southern end of Cranston Stadium.

The new facility will be a highly innovative "greenfield" and a "best practices" example of green infrastructure.

A unique aspect of the Project is the intersection and integration of sustainable and renewable energy systems with the energies involved with scholastic and community participation in active and cultural recreation, which are both uniquely sustainable and renewable to the human spirit.

The Project will expand and enhance the ability of the City of Cranston to provide active and cultural recreation activities to a wider range of audiences - demographically, economically, culturally, physically as to the range of ages from the very young to the Senior Olympics, physically to the range of abilities, for males and females, and geographically. The Project will expand and enhance the local, Statewide, and regional use of the Stadium. The Project will also provide needed facilities for the staff of the Cranston Department of Parks and Recreation. The Project facilities will be used on a daily basis, 12 months a year.

The Project consists of new locker/changing facilities, rest rooms, shower rooms, meeting space, and related support facilities for participants in athletic and cultural activities, coaches, performance arts support staff, and game/event officials for the Stadium and the activities taking place in that venue as a recreation complex, including the adjacent playing fields and courts to the larger playing field.

The Project's new facilities are designed to be located within, and preserve, an existing semi-circular, earth berm that defines and shapes the southern end of the stadium. The first goal of the integrated, sustainable design of the Project is for this earth sheltered building which is part of the landscape, is to be a Zero Energy Building, producing as much energy as it consumes. The greater goal is for the facility to be a Positive Net Energy Building where it produces more energy than it consumes.

The Project design fully integrates Universal Design Principles for the spatial functions of accessibility into a sustainable whole. The Project will meet and exceed the requirements of the Rhode Island Green Buildings Act. The project will follow LEED (Leadership in Energy and Design) Standards and LEED for Neighborhood Development Standards as issued by the U.S. Green Building Council.

In achieving LEED Certification, the Project strategies will integrate numerous innovative sustainable design features, methods, systems, materials and strategies including a vegetated green roof forming an earth sheltered structure with the existing berm - thereby maintaining and enhancing the permeability and aesthetics of the landscape, while incorporating: super-insulation, natural daylighting, the venturi/stack effect with high and low pressure forces, photovoltaic panels, solar thermal, solar hot water, geothermal and/or air to air exchange systems for heating and cooling, radiant heat flooring, chilled beams, rainwater and grey water collection and distribution, and heat recovery systems.

The Project will minimize Life Cycle Costs of operations and maintenance as a result of the integrated, sustainable design of the facility. The Project meets the objectives of the Cranston Green Building Commission. The work of the Commission in promoting LEED for Buildings and LEED for Neighborhood Development, and integrating those practices in the City's Comprehensive Plan and Zoning Ordinances received recognition as a National Best Practice by the U.S. Green Building Council and the Land Use Law Center of Pace Law School.

#### PROJECT STATUS:

- The project received a 2014 RI Department of Environmental Management Recreation Grant, 2013-70-6. A project extension request will be made to the Department for that project grant award.
- Design work commenced mid-December, 2014 after the contract was signed.
- A detailed architectural model of the interior, exterior, and structural components of the project was constructed by the Architect
- Numerous Design Options were developed - A through D (and subsets of those design options) - to address the use program. Design Option D with an Events Director/Game Officials Locker Room is the design being developed.
- The design is compact and efficient, comprised of two locker room wings with a centrally located mechanical/electrical/plumbing (M/E/P) that will be visible through a glazed wall.
- The severe winter conditions of 2014-2015 prohibited the necessary site survey and other work on the project to take place.
- As-Built drawings and specifications were provided from the 2000 Additions and Renovations to Cranston Stadium project to use for the project design. As-Built drawings and specifications accurately show the changes and corrections to the original drawings, and depict the actual resulting conditions of what is existing and what was constructed and/or altered.
- The Architect for this project discovered site anomalies of significant differences between the As-Built Site Plan drawings of the As-Built Drawings of the 2000 Additions and Renovations Cranston Stadium, particularly with respect to the geometry and location of the earth berm, which is the designed location of the locker rooms. The centerline of the earth berm crest, and the centerline of the playing field are central to the designed location of the locker room facility. Given these findings, the geometry of the structural system and the cross section profiles of the building are being re-designed.
- Geotechnical soil borings and the analysis of the soil samples from the borings have been completed.

- The geotechnical drilling of a geothermal test well is underway and a thermal conductivity test will be conducted once the test well is installed.
- A new site survey and topographic survey is being conducted.



• Works Progress Administration (WPA) Historical Marker on the Stadium



• Aerial views of project location: from the Southwest (above) and the Northeast (below)



• The photographs of the architectural model show the interior and structure of the building within the footprint of the arc of the earth berm; the addition of the roof decking system with translucent skylights; building with the roof decking; and an aerial view from the southwest with the vegetated roof, PV panels on the Stadium, the two rainwater cisterns with solar hot water thermal panels; and the context of the building with the southern end of the Cranston Stadium. Existing tennis courts and basketball court can be seen in the upper left corner.



• Image above: aerial view of the building with vegetated roof cover. Image below: aerial view of the design of the interior and structural system which will be covered by the earth berm.



• Aerial view of the locker room structure & interior with the roof deck panels on one wing.



• Locker room wings with roof deck panels installed, earth berm up to vertical walls, energy efficient skylights, water cisterns.



• Aerial view of the interior of one locker room wing, the structure and the roof deck panels with translucent energy efficient skylights.



• Aerial view of the structural roof decking system with translucent energy efficient skylights.



• Aerial view of the building with vegetated roof cover; context of the Stadium and the southern end of the playing field.



• Aerial view from the South demonstrating the integration of the earth sheltered, vegetated roof locker room with the southern end of Cranston Stadium from Flint Avenue, the tennis courts, and the basketball courts. The two water cisterns are shown flanking the entrance to

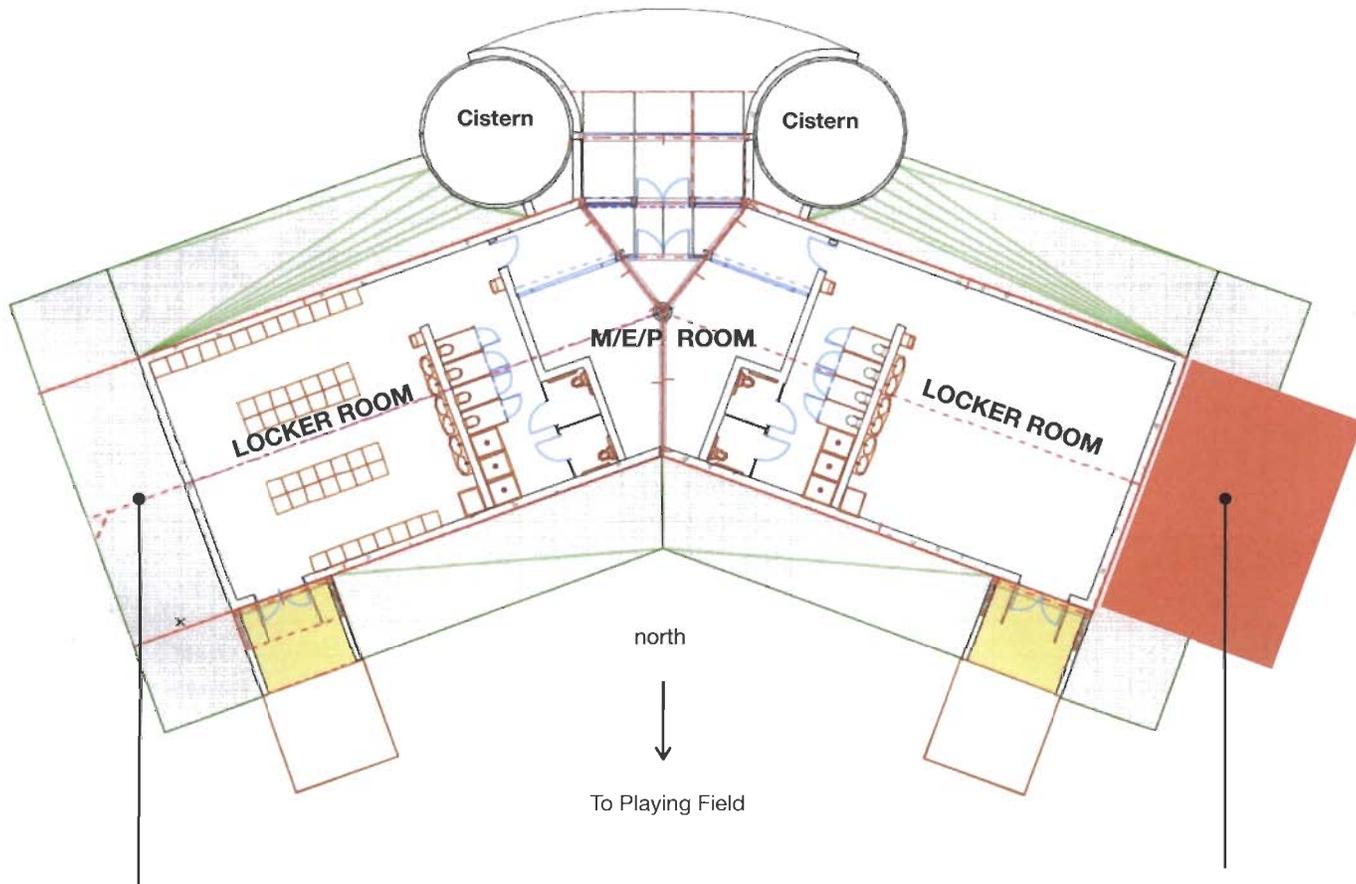
**• PROJECT SYSTEMS and CODE OVERVIEW**

**CRANSTON STADIUM EARTH SHELTERED LOCKER ROOMS** 01.28.15; 02.04.15; 04.23.15; 06.09.15; 02.05.16 © 2015 FILARSKII/ARCHITECTURE+PLANNING+RESEARCH

Occupancy at 50 square feet/person

Category	06.09.15	06.09.15	05.05.16 (rev.)
	Design Option D	Design Option E	w/Officials
Use and Occupancy	Assembly - A5 Auxiliary Structure to a Stadium	Assembly - A5 Auxiliary Structure to a Stadium	same
Construction Type	III	III	same
Building Sprinklered	Yes	Yes	same
Fire Rating of Structure, in hours	1h	1h	same
Gross Square Footage, sf: Building footprint, inc. outside walls	3,902	3,646	4,270
Area/Square Footage, sf: Interior	3,558	3,318	3,858
Area of M/E/P Room included in square footage of interior space, sf	504	504	same
Dimensions of Each Wing	32' x 54'	32' x 50'	32' x 66'
Occupant Load Factor: 50 sf/person (exercise room, locker room)	71.76 = 72 total 36 each wing	66.36 = 67 total 34 each wing	add 7
Egress Width Req: Sprinklered (0.15" per person)	10.8"	10.05"	same
Egress Width Req: Unsprinklered (0.20" per person)	14.4"	13.4"	same
Egress Width Provided at Egress Doorways; Number of Egress Doorways	72" 3 sets of double 6' x 7' egress doors	72" 3 sets of double 6' x 7' egress doors	same
Width of Egress Pathway in design; Min. width req. by code	60" 44"	60" 44"	same
Number of Set of Exits in design; Min. Number of exits req. by code	3 sets of double doors egress-each door 36" width w/3 egress exits provided; single door req. by code	3 sets of double doors egress-each door 36" width w/3 egress exits provided; single door req. by code	2
Maximum Travel Distance: Exit to Exit; Max. travel distance allowed by code	106' 200'	102' 200'	110'
Number of Water Closets; Number req. by code	12 total (unisex both wings) 3 (1 male, 2 female)	12 total (unisex both wings) 3 (1 male, 2 female)	1
Number of Handicapped WC; Number req. by code	4 total (both wings) 2	4 total (both wings) 2	1
Number of Sinks (Lavatories); Number req. by code	12 total (unisex both wings) 2 (1 male, 1 female)	12 total (unisex both wings) 2 (1 male, 1 female)	2
Number of Accessible Sinks; Number req. by code	12 1	12 1	2
Number of Showers; Number req. by code	6 total (both wings) not req.	6 total (both wings) not req.	2
Number of Drinking Fountains; Number req. by code	4 total (both wings) 2 total (1 high, 1 low)	4 total (both wings) 2 total (1 high, 1 low)	na
Number of Service Sinks; Number req. by code	2 total (both wings) 1	2 total (both wings) 1	na
<b>Construction System Description</b>			
Exterior Walls-Insulation Value; Fire Rating; STC Rating	10.4" exterior bearing wall of structural insulated concrete panels w/earth + gravel berm up to 8'-0" wall height; perimeter drain around foundation; R24 for panels, w/add. R5 EPS; 1 hour; STC>48	10.4" exterior bearing wall of structural insulated concrete panels w/earth + gravel berm up to 8'-0" wall height; perimeter drain around foundation; R24 for panels, w/add. R5 EPS; 1 hour; STC>48	same
Roof-Insulation Value; Fire Rating; STC Rating	15.9" structural insulated concrete panels as base for vegetated roof system; R36 for panels, w/add. R25 EPS; 1 hour; STC>48	15.9" structural insulated concrete panels as base for vegetated roof system; R36 for panels, w/add. R25 EPS; 1 hour; STC>48	same
Floor-Insulation Value	6" polished and stained reinforced concrete with radiant heat system imbedded in slab; R30 EPS under slab	6" polished and stained reinforced concrete with radiant heat system imbedded in slab; R30 EPS under slab	same
Interior Walls; R Value; Fire Rating; STC Rating	5.9" structural insulated concrete panels; painted as option; R24; 1 hour; STC>48	5.9" structural insulated concrete panels; painted as option; R24; 1 hour; STC>48	same
Water	City connection	City connection	same
Sewer	City connection	City connection	same
Grey water recycling	Add Alternate - Cistern rainwater collection and irrigation (2-15'-0" dia. Cisterns)	Planned - Cistern rainwater collection and irrigation (2-15'-0" dia. Cisterns)	same
Heating, Cooling, Dehumidification	Geothermal exchange, ground and water source heat pump; radiant floor heating; with mini-split wall mounted system as supplement; heat recovery system	Geothermal exchange, ground and water source heat pump; radiant floor heating; with mini-split wall mounted system as supplement; heat recovery system	same
Hot water	Geothermal source with solar thermal panels; tankless heaters as supplement	Geothermal source with solar thermal panels; tankless heaters as supplement	same
Electric	Service entrance not as yet determined; Add Alternate: photovoltaic (PV) panels as added phase planned for in design	Service entrance not as yet determined; Add Alternate: photovoltaic (PV) panels as added phase planned for in design	same
Electrical Fixtures	LED Lighting w/daylight, occupancy sensors; surface mount all fixtures, plugs	LED Lighting w/daylight, occupancy sensors; surface mount all fixtures, plugs	same
Daylighting	6 Solatube 750-DS Open Ceiling skylights, U factor: 0.39; MEP room storefront entrance energy efficient glazing	6 Solatube 750-DS Open Ceiling skylights, U factor: 0.39; MEP room storefront entrance energy efficient glazing	same

Flint Avenue  
Entrance to M/E/P

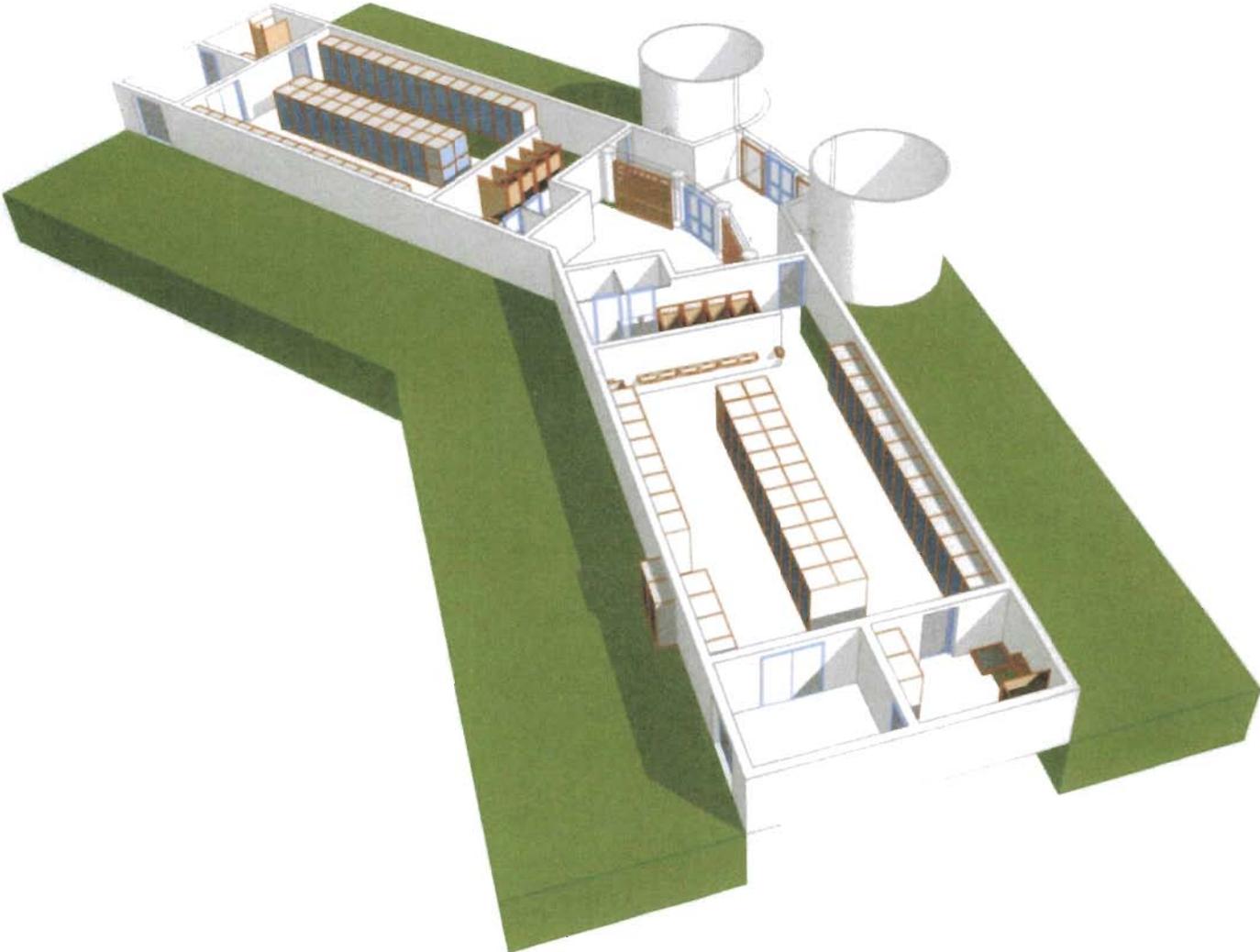


CENTERLINE OF EARTH BERM CREST

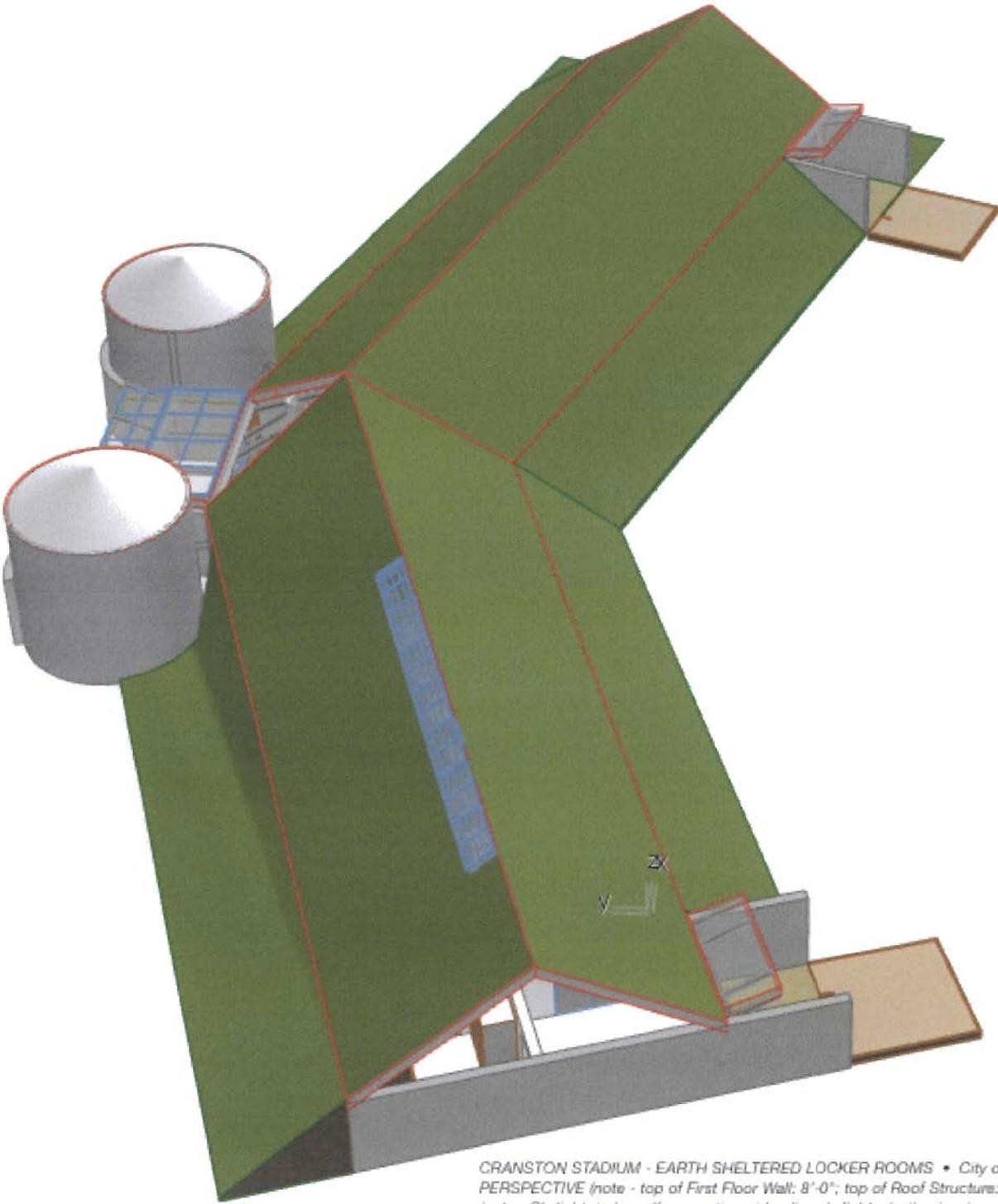
NEW: EVENT DIRECTOR/  
GAME OFFICIALS  
LOCKER ROOM LOCATION

• **FLOOR PLAN - SCHEME D:** with Locker Room Addition for Event Director and Game Officials indicated in RED





• INTERIOR CUT AWAY PERSPECTIVE

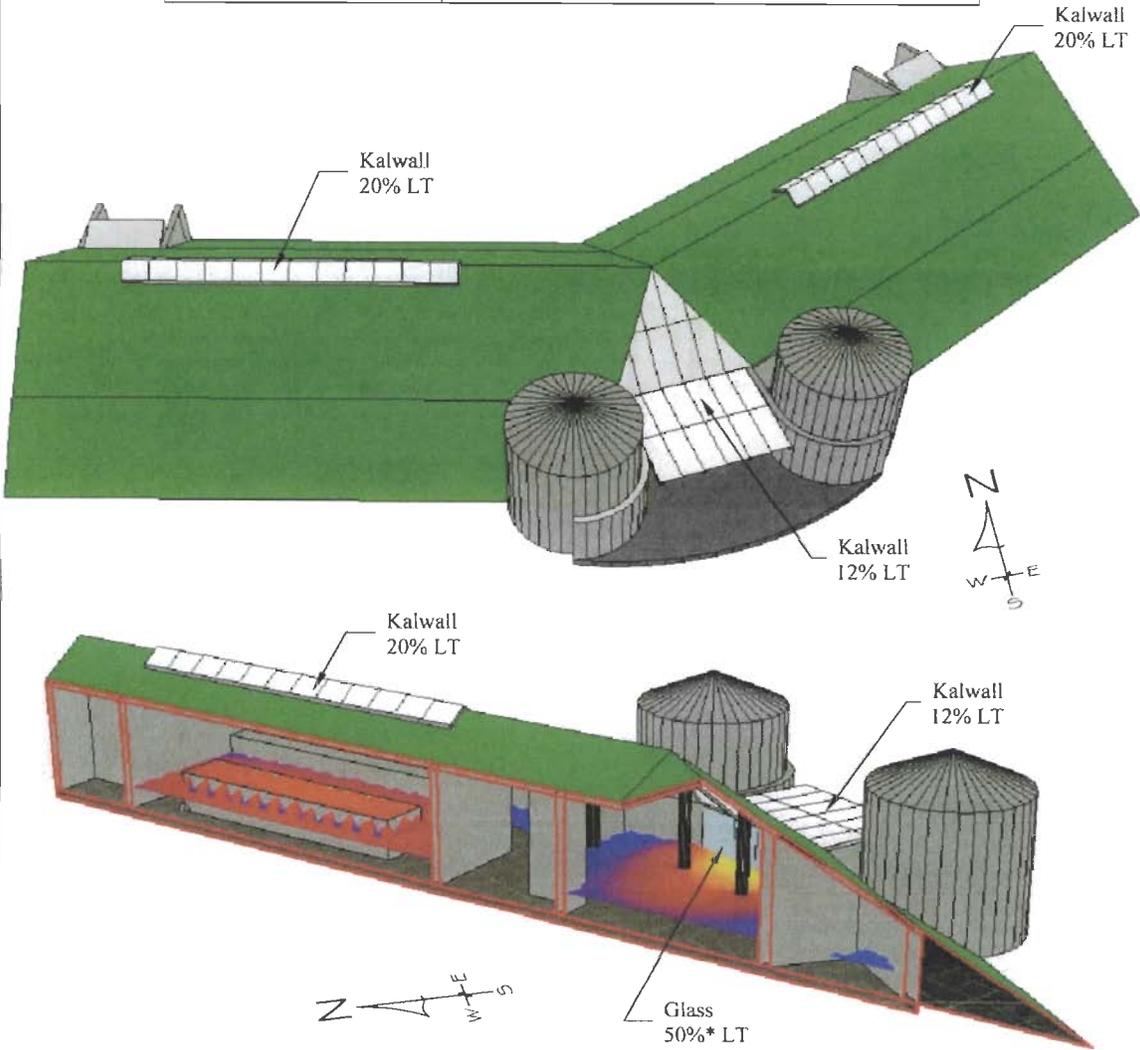


CRANSTON STADIUM - EARTH SHELTERED LOCKER ROOMS • City of Cranston, RI  
PERSPECTIVE (note - top of First Floor Wall: 8'-0"; top of Roof Structure: 19'-2")  
(note - Skylight: to be self supporting, ridge line skylights, both wings)  
© 2015 FILARSKI/ARCHITECTURE+PLANNING+RESEARCH

• AERIAL PERSPECTIVE FROM THE EAST

**DAYLIGHT MODEL EXTERIOR BUILDING VIEW**

Project Name:	Cranston Stadium
Project Location:	Cranston, RI
Room Description:	Locker Room, Mechanical Room
Daylight Model Number:	DM-15064



*\*Note: The glass light transmission has been estimated at 50% for the purpose of this analysis. Actual results may vary.*

*Daylight simulations are based on weather data supplied by the US Department of Energy. No warranty expressed or implied by Kalwall Corporation.*

Kalwall Representative: Cheri Calnan Date Modeled: May 15, 2015 (SN)

DM-15064

**• DAYLIGHTING MODEL**



Geotechnical drilling of core samples for soils and structural analysis - completed.



Geothermal exchange test well drilling and conductivity test operations - in process.

12. FOR DEVELOPMENT PROJECTS EXPLAIN WHAT NEW FACILITIES WILL BE DEVELOPED OR EXISTING FACILITIES THAT WILL BE RENOVATED: (Attach additional sheets if necessary)

The Cranston Stadium is an existing facility. The Stadium is 77 years old. The Stadium is located in a plat of the City that once was a state and national recreation attraction, the Narragansett Trotting Park, later becoming the site of Rhode Island's state fair grounds for a generation. In 1896 the park was the site of the first automobile speed race in the state, and later the first airplane race in the state was held at this site in 1907. In 1925 the former race track was re-platted for residential development as the Speedway Plat with the streets names evoking the racing history of the neighborhood. The current stadium was constructed between 1935 and 1937 by the WPA (Works Progress Administration). Please note that the previous pages address this request items well.



*Works Progress Administration (WPA) Historical Marker on the Stadium*

There are five major physical design components and considerations to the Project -

1. Programming the new facilities to serve:
  - the existing interscholastic and youth recreation programs in the City of Cranston;
  - an expanded audience of active recreation participants and spectators in a wide range of sports, age groups, and organization type from amateur to the semi-professional and professional athlete and athletic teams;
  - a new audience of cultural recreation participants and audiences;
  - a new audience of participants who have physical limitations; and
  - use by the Cranston Department of Parks and Recreation staff on a daily basis;
2. Utilizing the existing earth berm to house the new facilities in an earth sheltered structure;
3. Integrating innovative Sustainable Design parameters into the Project;
4. Integrating Universal Design principles in every aspect of the Project;
5. Integrating Life Cycle Cost Design into the Project:
  - the Project is designed to be a Positive Energy Building, creating more energy than it uses;
  - the Project will minimize other maintenance and operational costs.

The Stadium is located on an 11.61 acre lot, owned by the City of Cranston. New locker/changing rooms and related facilities will be developed within, and in, an existing facility, the Cranston Stadium. Specifically the new facilities are designed to be located within the existing semi-circular, earth berm located at the southern end of the stadium.

The new facilities are designed to serve a wide range of active recreation activities involving local interscholastic and youth sports teams, sports teams from around the state, and teams and leagues from New England and the nation. Football, soccer, lacrosse, field hockey teams using the larger playing field will use the new facilities of the Project. Baseball and softball teams, playing on an adjacent field will also be able to use the new facilities of the Project.

The new facilities are also designed to serve a wider range of cultural and recreation offerings including musical and performing arts groups, theater groups, and other potential activities by adding to the facility capacity and capability of Cranston Stadium.

The project will additionally serve as restroom and shower facilities for the staff of the Parks and Recreation Department. The Department currently does not have restroom or shower facilities for their use. The Project will be used on a daily basis throughout the year.

### 13. ESTIMATE OF PROJECT COSTS:

Project Category:		Costs
Acquisition		\$0.00
Development	Architectural/Engineering Fees:	\$159,745.00
	Demolition/Removal Costs:	\$73,269.81
	Development Construction Costs:	\$1,007,355.00
Total Cost Estimate:	not including in-kind services	\$1,224,708.11
	with in-kind services of \$150,677.93	\$1,375,386.04

**NOTE: Refer to detailed project budget following this page, and is included by reference as a separate document file submitted as part of this grant application.**

### 14. PROPOSED FUNDING SOURCES:

Funding Category:		Funding:
State	RI Open Space Grant	\$400,000.00
Local	Appropriation	\$424,708.11
	In-Kind Services	\$150,677.93
	Other funding (specify): 2014 RI Recreation Grant	\$400,000.00
Total Funding Estimate:		\$1,375,386.04

**NOTE: Refer to detailed project budget following this page, and is included by reference as a separate document file submitted as part of this grant application.**

City match of \$150,677.93 is **36.67%** of \$400,000.00. City match of \$550,677.93 is **44.96%** of \$1,224,708.11 Total Project Cost, not including in-kind services and City contribution.

CRANSTON STADIUM - AN EARTH SHELTERED SUSTAINABLE ATHLETIC FACILITY  
(With an Officials Locker Room)

Original Project Estimate: 04.29.15

© 03.05.15; 05.05.16; 05.24.16 CRANSTON STADIUM ESTIMATE - Design Option D - with Officials LR  
FILARSKI/ARCHITECTURE+PLANNING+RESEARCH

Reference Office Code	Item	Unit	Material	Labor	Equip.	Total	Total Inc. Sub O&P	Unit	TOTAL	Donated/ In-Kind	Additional Funding Objectives
PAC	Architectural Model: detailed, showing interior, bldg. systems; Architect	ea				37,500.00	37,500.00	1.00	in-kind Architect	37,500.00	
USGBC	U.S. Green Building Council LEED Registration; RI Green Buildings Act req.	ea				1,200.00	1,320.00	1.00	1,320.00		
USGBC	U.S. Green Building Council LEED Certification; RI Green Buildings Act req.	ea				2,750.00	3,025.00	1.00	3,025.00		
PEC	Site Survey	ea				4,750.00	5,200.00	1.00	in-kind City	5,200.00	
Submitted Price	Geotechnical Soil Borings, soils analysis, report	ea				2,500.00	2,750.00	1.00	2,750.00		
01 45 23.50	Testing, concrete	ea				5,000.00	5,500.00	1.00	5,500.00		
Submitted Price	Ground Source Geothermal Test Well, 180' steel casing, complete, 500' well depth; conductivity test; not inc. other drilling additional charges	ea				15,230.00	16,753.00	1.00	16,753.00		
Submitted Price	Ground Source Geothermal Exchange Wells, 180' steel casing, complete 500' well depth; based on pricing submitted from test well contractor	ea				11,730.00	12,507.00	3.00	37,521.00		
Submitted Price	Excavation for Erosion Control	ea				675.00	742.50	4.00	2,970.00		
Submitted Price	Mud Rotary Drilling, if necessary	ea				475.00	522.50	4.00	2,090.00		
31 25 14.16 1250	Hay bales for erosion control	lf	9.65	0.35	0.11	10.11	11.25	100.00	in-kind City	1,125.00	
02 41 13.60 1700	Remove and replace fencing, chain link 8' high	lf				27.00	29.70	490.00	in-kind City	14,553.00	
02 41 13.33 4010	Demolition of Existing Asphalt Berm Walkway, 2-1/2" thick	sy		2.96	1.12	4.08	5.80	174.00	in-kind City	1,009.20	
02 41 13.33 4220	Demolition, mesh reinforced concrete sidewalk, 6" thick	sy		8.60	3.26	11.86	16.75	75.00	in-kind City	1,256.25	
02 41 16.17 1080	Demolition, footings, concrete 1'-6" wide 2'-0" deep w/ave. reinforcing	lf		9.96	6.27	16.23	22.00	150.00	in-kind City	3,300.00	
02 41 16.17 2500	Demolition of Existing Retaining Wall	sf		14.80	2.34	17.14	18.85	750.00	14,137.50		
02 41 16.17 4250	Disposal, up to five miles			4.51	11.00	15.51	18.95	182.31	in-kind City	3,454.77	
31 23 23.20	Hauling/Disposal of Existing Retaining Wall, Existing Berm Walkway	cy		2.09	2.90	4.99	5.49	485.00	in-kind City	2,662.65	
A2020 110	New Retaining Wall, 12' high, 16" width	lf	98.50	179.00		277.50	305.25	145.00	44,261.25		
31 23 16.42	Excavation: existing berm above grade(bldg. excavation below); in-kind City	cy		0.96	0.93	1.89	2.49	5,753.00	in-kind City	14,324.97	
31 23 23.20	Storage, Trucking Excavated Material; in-kind City	cy		2.09	2.90	4.99	5.49	5,753.00	in-kind City	31,583.97	
01 56 26.50	Temporary Fencing and Gate, 8' high	lf	3.95	1.95		5.90	6.49	150.00	973.50		
A 1010 110	Strip Footings: trench exc.,3000 psi,5.1 KLF, 3 ksf soil cap.,24"w,12"d, reinf.	lf	16.15	23.00		39.15	43.06	197.50	8,504.35		
A 1010 110	Strip Footings: trench exc.,3000 psi,9.3 KLF, 3 ksf soil cap.,40"w,12"d, reinf.	lf	19.55	25.00		44.55	49.01	197.50	9,679.48		
A1010 110	Strip Footings Wing Wall: trench exc.,3000 psi,2.6 KLF, 3 ksf soil cap.,16"w, 8"d, plain	lf	8.30	13.95		22.25	24.48	120.00	2,937.60		
A1010 210 710	Spread Footings: 25K load, 3ksf soil cap., 3' square, 12" deep	ea	56.61	121.24		177.85	195.64	7.00	1,369.48		
A1010310 1000	Foundation Underdrain: 6" dia. PVC, crushed stone	lf	6.40	5.45		11.85	13.04	321.50	4,192.36		
A1030 120	Concrete Slab: 3500 psi, 4" thick, trowel finish, reinf, poly, gravel	sf	2.06	2.72	0.01	4.79	5.27	3,858.38	20,333.66		
A1030 120	Concrete Slab, 2 Cisterns: 3500 psi, 6" thick, trowel finish, reinf, poly, gravel	sf	3.07	3.22	0.01	6.30	6.93	510.00	3,534.30		
03 35 43	Polished Concrete Finishing: 40 grit, grind/edge, stain, hardener	mef	31.50	889.35	269.25	1,190.10	2,256.00	3.83	8,840.48		
03 52 - PSM160 Mfr	GCT SCIP/Structural Insulated Concrete Panel: Ext.Walls; struct, mortar, fin., R24	sf	5.76	2.00		7.76	8.54	2,208.00	18,856.32		
03 52 - PSM160 Mfr	GCT SCIP/Structural Insulated Concrete Panel: Ext.End Wall; struct, mortar, fin., R24	sf	5.76	2.00		7.76	8.54	656.00	5,602.24		
03 52 - PSM80 Mfr	GCT SCIP/Structural Insulated Concrete Panel: Ext.Wing Wall; struct, mortar, fin	sf	4.56	2.00		6.56	7.22	780.00	5,831.60		
03 52 - PSG2-240 Mfr	GCT SCIP/Structural Insulated Concrete Panel: Roof Deck; struct, mort,fin., R36	sf	6.93	2.65		9.58	10.54	4,552.00	47,978.08		
03 52 - PSM80 Mfr	GCT SCIP/Structural Insulated Concrete Panel: Int.Walls; struct, mortar, fin	sf	4.56	2.00		6.56	7.22	1,312.00	9,472.64		
B 1010 201	Reinf. Concrete Columns: round tied, 12", finish	vlf	11.10	27.50		38.60	42.46	77.00	3,269.42		
05 12 23.75	Steel Beams: double ridge line	lf	23.50	3.19	1.74	28.43	33.00	224.00	7,392.00		
05 12 23.75	Steel Beams: central intersection, MEP space	lf	14.60	4.68	2.55	21.83	27.00	112.00	3,024.00		
07 22 16.10	Additional Insulation: under concrete slab, EPS, R30	sf	3.82	0.48		4.30	5.04	3,858.38	19,446.24		
07 21 13.10	Additional Insulation - Exterior Wall, EPS, 25 psi, R5	sf	0.66	0.16		0.82	1.00	2,208.00	2,208.00		
07 21 13.10	Additional Insulation - Exterior Wall-End Wall, EPS, 25 psi, R5	sf	0.66	0.16		0.82	1.00	656.00	656.00		
07 22 16.10	Additional Insulation - Roof Deck, EPS, 25 psi, R20	sf	2.64	0.24		2.88	3.31	4,552.00	15,067.12		
B3010 125 Mfr	Vegetated Roof System - Tremco:	total									
B3010 125 Mfr	VRS AlphaGuard C Prime Concrete Primer	sf					0.45	4,185.00	1,883.25		
B3010 125 Mfr	AlphaGuard MT Base Coat	sf					2.25	4,185.00	9,416.25		
B3010 125 Mfr	AlphaGuard MT Fiberglass Reinforcing	sf					0.50	4,185.00	2,092.50		
B3010 125 Mfr	AlphaGuard MT Top Coat	sf					1.75	4,185.00	7,323.75		
B3010 125 Mfr	AlphaGuard Fluid Applied Waterproofing System Installation	sf					5.50	4,185.00	23,017.50		

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05.05.16; 05.24.16 FILARSKI/ARCHITECTURE+PLANNING+RESEARCH

Reference Office Code	Item	Unit	Material	Labor	Equip.	Total	Total Inc. Sub O&P	Unit	TOTAL	Donated/ In-Kind	Additional Funding Objectives
B3010 125 Mfr	Bio-Oriented Erosion Netting (1000sf/roll)	sf					0.45	5,000.00	2,250.00		
B3010 125 Mfr	VR Membrane Protection Mat (200sf/roll) & related seam tape	sf					0.45	4,200.00	1,890.00		
B3010 125 Mfr	VR AeroMat .4" for wall drainage (200 sf/roll) & related seam tape	sf					1.96	4,200.00	8,232.00		
B3010 125 Mfr	VR MOD 4" Pregrown Modular MeadowFloorSystem	sf					13.50	4,200.00	56,700.00		
B3010 125 Mfr	VR MOD Preformed Perimeter Edge	lf					7.73	360.00	2,782.80		
B3010 125 Mfr	No. 1 Kentucky Bluegrass Blend Turf at VR and adjacent backfilled areas	sf					1.00	10,000.00	10,000.00		
B3010 125 Mfr	Irrigation Lines, Controller, Valves, and Moisture Sensor for VRS	sf					1.43	4,200.00	6,006.00		
B3010 125 Mfr	Installation of all VRS Materials	ea					82,000.00	1.00	82,000.00		
B3010 125 Mfr	Two (2) Year Tremcare Green VRS PM & Plant and Materials Warranty	ea					10,000.00	1.00	10,000.00		
B3010 125 Mfr	EFVM Leak Detection Installation and Testing Allowance	ea					4,600.00	1.00	4,600.00		
B3020	Ridge Solutubes	ea	1,250.00	375.00		1,625.00	1,787.50	8.00	14,300.00		
B3020	Translucent Canopies	sf	34.50	17.25		51.75	56.93	200.00	11,386.00		
B2020 210 1250	Exterior Glazed Entrance: alum. flush tube, ¼ tempered glass	sf	10.27	7.69		17.96	19.76	136.00	2,687.36		
B2030 110	Exterior Doors: alum. & tempered glass, 2 doors, 6'x7'	ea	4,275.00	375.00		4,650.00	4,649.00	1.00	4,649.00		
B2030 220	Exterior Doors: steel 18 ga. hollow metal, 2 doors w/frame, 6'x7'	ea	2,975.00	590.00		3,565.00	3,922.00	2.50	9,805.00		
C1010 710 1000	Interior Glazed Opening: alum. flush tube, ¼ tempered glass, 8'x8'	ea	2,170.00	1,470.00		3,640.00	4,004.00	2.00	8,008.00		
C1020 102	Interior Doors: alum. & tempered glass, 2 doors, 6'x7'	ea	3,675.00	375.00		4,050.00	4,455.00	1.00	4,455.00		
C1020 114	Interior Doors: 20 ga. full panel, 1½ hr labeled, buff welded, 3-x7'	ea	850.00	440.00		1,290.00	1,419.00	4.00	5,676.00		
C1020 310	Door Hardware: hinges, locksets, closers, push/pull, panic dev., weatherstr.	ea	523.50	338.00		861.50	947.65	7.00	6,633.55		
C1020 310	Door Hardware: hinges, locksets, closers, bar/vert.rod, panic dev., weathstr	ea	139.50	399.20		538.70	646.44	12.00	7,757.28		
10 21 13.17	Toilet Compartment, plastic laminate, Pilasters floor anchored, 7'w x 70"h	ea	95.00	31.50		126.50	153.00	13.00	1,989.00		
10 21 13.17	Toilet Compartment, plastic laminate, Panels, 31" w x 58" h	ea	143.00	39.00		182.00	217.00	12.00	2,604.00		
10 21 13.17	Toilet Compartment, plastic laminate, Doors 36" w x 58" h	ea	180.00	52.00		232.00	279.00	10.00	2,790.00		
10 21 13.17	Toilet Compartment, plastic laminate, Headrails 120" long	ea	42.00	24.50		66.50	83.50	7.00	584.50		
10 21 13.16	Toilet Compartment, handicapped unit, 52" grab bars	ea	370.00	inc.		370.00	410.00	8.00	3,280.00		
10 28 13.13	Toilet Accessories: dispenser units-towel, chrome, surface mounted	ea	44.50	23.00		67.50	74.25	7.00	519.75		
10 28 13.13	Toilet Accessories: soap dispenser units-stainless steel, surface mounted	ea	46.50	18.35		64.85	71.34	10.00	713.40		
D2010 710 1560	Shower System: complete, 36" square, fiberglass one piece, three sides	ea	1,050.00	840.00		1,890.00	1,984.50	7.00	13,891.50		
D2010 110 1880	Water Closet: floor mount, vitreous china, complete, close coupled	ea	660.00	785.00		1,445.00	1,518.00	9.00	13,662.00		
D2010 110 1880	Water Closet: floor mount, vitreous china, complete, ADA, 18" high bowl	ea	880.00	820.00		1,700.00	1,785.00	6.00	10,710.00		
D2010 310	Lavatory System: complete, all HC accessible	ea	818.48	740.10		1,558.58	1,714.38	13.00	22,286.94		
D2010 420 1780	Utility/Laundry Sink: complete 24" x 20" single compartment	ea	1,140.58	796.30		1,936.88	2,033.73	1.00	2,033.73		
D2010 820 1840	Water Cooler: electric self contained, wall hung, complete system	ea	1,193.70	628.40		1,822.10	2,004.31	3.00	6,012.93		
D2010 820 1920	Water Cooler: electric self contained, wall hung, complete system, HC acc.	ea	1,400.00	630.00		2,030.00	2,131.50	2.00	4,263.00		
D2020 265 2760	Solar Thermal Hot Water System: complete, 2-3 x7' collectors	ea	5,272.29	5,662.80		10,935.09	12,028.60	1.00	12,028.60		
22 14 55 10	Cisterns: steel, pre-pkg. rainwater system, 15" dia., 11'-8" high, 9,692 gal	ea	8,418.59	1,110.00	168.00	9,696.59	10,666.25	2.00	21,232.50		
D4010 310	Dry Pipe Sprinkler System, complete	sf	1.92	2.04		3.96	4.36	3,858.38	16,822.54		
23 34 14 10	Ceiling Fan, right angle, extra quiet, 1.50 cfm	ea	1,175.00	91.00		1,266.00	1,392.80	2.00	2,785.20		
23 83 16	Radiant Heat Flooring: in conc. slab	sf	1.45	1.60		3.05	3.25	3,858.38	12,539.74		
23 81 43 10	Water Source Heat Pumps: cooling, suppliem. heat	ea	2,375.00	105.00		2,480.00	2,750.00	4.00	11,000.00		
B3050 248 100	Ground Source Heat Pump HVAC System w/DOAS heat recovery	ea	35,801.94	23,897.69		59,699.63	59,699.63	1.00	59,699.63		
D5090 430	Photovoltaic Solar Panel System: complete, grid interconnect, racks	ea				99,625.00	99,625.00	1.00	REF/grants		99,625.00
O5010 120 0440	Electrical Service: complete, 3 phase, 4 wire, 120/208	sf	1.40	1.08		2.48	2.75	3,858.38	10,610.55		
PEC	Alarm, Emergency Lighting	sf				3.00	3.30	3,858.38	12,732.65		
D5020 110,130	Lighting and Branch Wiring: switches and receptacles	sf	0.52	2.18		2.70	2.97	3,858.38	11,459.39		
D5020 290 0800	Daylight Dimming: complete	sf	0.81	0.68		1.49	1.63	3,858.38	6,289.16		
26 61 23 55	LED Lighting: w/fixtures, branch wiring	ea	57.88	43.89		101.57	112.85	50.00	5,842.50		
32 92, 32 93	Landscaping: allowance	total				10,000.00	10,000.00	1.00	in-kind City		10,000.00
G3020	Sewer Utility Connection: 12" dia. concrete, excavation & backfill	lf	8.95	28.80		37.75	41.53	120.00	4,983.60		
Mfr	Transport SCIP panels, materials	truck				3,000.00	3,000.00	3.00	9,000.00		
	SUBTOTAL								914,814.65		
	Estimating Contingency @ 5%								1.05		
	Sub Total								960,555.38		

**CRANSTON STADIUM - AN EARTH SHELTERED SUSTAINABLE ATHLETIC FACILITY**  
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 FILARSKI/ARCHITECTURE+PLANNING+RESEARCH

Reference Office Code	Item	Unit	Material	Labor	Equip.	Total	Total inc. Sub O&P	Unit	TOTAL	Donated/ In-Kind	Additional Funding Objectives
01 11 - 01 78	Factor: Construction Contingency; General Contractor Mobilization, GC Overhead & Profit; Architecture/Engineering Fees								1,275		
	Contract: Change in Services of the Architect requested by the City									in-kind City	not included here
	<b>TOTAL PROJECT COST</b>								<b>\$1,224,708.11</b>		
	DONATED/IN-KIND SERVICES										
	FUNDS AVAILABLE: City of Cranston, RI								-\$400,000.00		
	GRANT FUNDS: RI Department of Environmental Management, 2014								-\$400,000.00		
	Project Balance Required								<b>\$424,708.11</b>		
	Grant Request: RI Department of Environmental Management, 2016								-\$400,000.00	\$125,969.81	
	Project Balance: City of Cranston								\$24,708.11	\$24,708.11	
	City & Architect Project Contribution, 2016 RIDEM Large Recreation Grant: <b>36.67%</b> (20% match required)										<b>\$150,677.93</b>
	City Project Contribution, 2014 RI DEM Large Recreation Grant: <b>100%</b> (100% match required)										<b>\$400,000.00</b>
	Total City & Architect Project Contribution, 2014 & 2106 RIDEM Large Recreation Grant: <b>44.96%</b>										<b>\$550,677.93</b>
	Cost, \$ Per Square Foot - Overall Project Building Area: 4,270 GSF								<b>\$286.82</b>		
	Cost, \$ Per Square Foot - Overall Project Building Area, with two Cisterns, 4,624 GSF								<b>\$264.86</b>		
	TOTAL - ADDITIONAL FUNDING OBJECTIVES: Photovoltaic solar panels										99,625.00
	Grant Source: Photovoltaic solar panel system; Renewable Energy Fund (REF), RI Commerce Corporation										-23,000.00
	BALANCE - ADDITIONAL FUNDING OBJECTIVES: Photovoltaic solar panel system										76,625.00
	ADD. ALTERNATES - Items not included in original project scope										

05.24.16

Project Contact:  
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 401.331.8800  
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**NOTE: this Detailed Project Budget is included in the grant application in a second file contained on the digital thumb drive submitted.**

Note 1: The net square foot (interior) area of the project is 3,858 square feet.

Note 2: The photovoltaic solar panel system is not included in this project budget for the following reasons:

- 1) potential funding sources for photovoltaic renewable energy system may be restructuring their programs as a result of pending legislation and program integration;
- 2) additional funding sources are being developed;
- 3) the photovoltaic solar panel system, while highly complementary to the integrated renewable energy strategy of the building design, the photovoltaic solar panel system can be added to building at a later date;
- 4) the photovoltaic system can be scaled up to solar car canopies over the parking lot on the northern end of the Cranston Stadium complex.
  - a. under a City owned scenario the City can be part of a Net-Metered system, eligible for a grant from the Renewable Energy Fund (REF); or
  - b. the City can be part of the National Grid Renewable Energy Growth Program, which offers a fixed rate payment of kWh production for a 20 year term; or
  - c. the City can develop the photovoltaic panels under a sale to a third party, which then pays lease payments to the City for the use of the City owned property to generate electricity from the photovoltaic solar panel array.

CRANSTON STADIUM - AN EARTH SHELTERED SUSTAINABLE ATHLETIC FACILITY  
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Reference Office Code	Item	Unit	Material	Labor	Equip.	Total	Total inc. Sub O&P	Unit	TOTAL	Donated/ In-Kind
PAC	Architectural Model detailed, showing interior, bldg. systems; Architect	ea				37,500.00	37,500.00	1.00	in-kind Architect	37,500.00
USGBC	U.S. Green Building Council LEED Registration: RI Green Buildings Act req.	ea				1,200.00	1,320.00	1.00	1,320.00	
USGBC	U.S. Green Building Council LEED Certification: RI Green Buildings Act req.	ea				2,750.00	3,025.00	1.00	3,025.00	
PEC	Site Survey	ea				4,750.00	5,200.00	1.00	in-kind City	5,200.00
	Submitted Price Geotechnical Soil Bonngs, soils analysis, report	ea				2,500.00	2,750.00	1.00	2,750.00	
01 45 23.50	Testing, concrete	ea				5,000.00	5,500.00	1.00	5,500.00	
	Submitted Price Ground Source Geothermal Test Well, 180' steel casing, complete, 500' well depth; conductivity test; not inc. other drilling additional charges	ea				15,230.00	16,753.00	1.00	16,753.00	
	Submitted Price Ground Source Geothermal Exchange Wells, 180' steel casing, complete 500' well depth; based on pricing submitted from test well contractor	ea				11,730.00	12,507.00	3.00	37,521.00	
	Submitted Price Excavation for Erosion Control	ea				675.00	742.50	4.00	2,970.00	
	Submitted Price Mud Rotary Drilling, if necessary	ea				475.00	522.50	4.00	2,090.00	
31 25 14.16 1250	Hay bales for erosion control	lf	9.65	0.35	0.11	10.11	11.25	100.00	in-kind City	1,125.00
02 41 13.60 1700	Remove and replace fencing, chain link 8' high	lf				27.00	29.70	490.00	in-kind City	14,553.00
02 41 13.33 4010	Demolition of Existing Asphalt Berm Walkway, 2-1/2" thick	sy		2.96	1.12	4.08	5.80	174.00	in-kind City	1,009.20
02 41 13.33 4220	Demolition, mesh reinforced concrete sidewalk, 6" thick	sy		8.60	3.26	11.86	16.75	75.00	in-kind City	1,256.25
02 41 16.17 1080	Demolition, footings, concrete 1'-6" wide 2'-0" deep w/ave. reinforcing	lf		9.96	6.27	16.23	22.00	150.00	in-kind City	3,300.00
02 41 16.17 2500	Demolition of Existing Retaining Wall	sf		14.80	2.34	17.14	18.85	750.00	14,137.50	
02 41 16.17 4250	Disposal, up to five miles			4.51	11.00	15.51	18.95	182.31	in-kind City	3,454.77
31 23 23.20	Hauling/Disposal of Existing Retaining Wall, Existing Berm Walkway	cy		2.09	2.90	4.99	5.49	485.00	in-kind City	2,662.65
A2020 110	New Retaining Wall, 12' high, 16" width	lf	98.50	179.00		277.50	305.25	145.00	44,261.25	
31 23 16.42	Excavation: existing berm above grade(bldg. excavation below): in-kind City	cy		0.96	0.93	1.89	2.49	5,753.00	in-kind-City	14,324.97
31 23 23.20	Storage, Trucking Excavated Material: in-kind City	cy		2.09	2.90	4.99	5.49	5,753.00	in-kind-City	31,583.97
01 56 26.50	Temporary Fencing and Gate, 8' high	lf	3.95	1.95		5.90	6.49	150.00	973.50	
A 1010 110	Strip Footings: trench exc.,3000 psi,5.1 KLF, 3 ksf soil cap.,24"w,12"d, reinf.	lf	16.15	23.00		39.15	43.06	197.50	8,504.35	
A 1010 110	Strip Footings: trench exc.,3000 psi,9.3 KLF, 3 ksf soil cap.,40"w,12"d, reinf.	lf	19.55	25.00		44.55	49.01	197.50	9,679.48	
A1010 110	Strip Footings Wing Wall: trench exc.,3000 psi,2.6 KLF, 3 ksf soil cap.,16"w, 8"d, plain	lf	8.30	13.95		22.25	24.48	120.00	2,937.60	
A1010 210 710	Spread Footings: 25K load, 3ksf soil cap., 3' square, 12" deep	ea	56.61	121.24		177.85	195.64	7.00	1,369.48	
A1010310 1000	Foundation Underdrain: 6" dia. PVC, crushed stone	lf	6.40	5.45		11.85	13.04	321.50	4,192.36	
A1030 120	Concrete Slab: 3500 psi, 4" thick, trowel finish, reinf, poly, gravel	sf	2.06	2.72	0.01	4.79	5.27	3,858.38	20,333.66	
A1030 120	Concrete Slab, 2 Cisterns: 3500 psi, 6" thick, trowel finish, reinf, poly, gravel	sf	3.07	3.22	0.01	6.30	6.93	510.00	3,534.30	
03 35 43	Polished Concrete Finishing: 40 gnt, grind/edge, stain, hardener	m2sf	31.50	889.35	269.25	1,190.10	2,256.00	3.83	8,640.48	
03 52 - PSM160 Mfr	GCT SCIP/Structural Insulated Concrete Panel: Ext.Walls: struct, mortar, fin., R24	sf	5.76	2.00		7.76	8.54	2,208.00	18,856.32	
03 52 - PSM160 Mfr	GCT SCIP/Structural Insulated Concrete Panel: Ext.End Wall: struct, mortar, fin., R24	sf	5.76	2.00		7.76	8.54	656.00	5,602.24	
03 52 - PSM80 Mfr	GCT SCIP/Structural Insulated Concrete Panel: Ext.Wing Wall: struct, mortar, fin	sf	4.56	2.00		6.56	7.22	780.00	5,631.60	
03 52 - PSG2-240 Mfr	GCT SCIP/Structural Insulated Concrete Panel: Roof Deck, struct, mort, fin., R36	sf	6.93	2.65		9.58	10.54	4,552.00	47,978.08	
03 52 - PSM80 Mfr	GCT SCIP/Structural Insulated Concrete Panel Int.Walls: struct, mortar, fin	sf	4.56	2.00		6.56	7.22	1,312.00	9,472.64	
B 1010 201	Reinf. Concrete Columns: round tied, 12", finish	vlf	11.10	27.50		38.60	42.46	77.00	3,269.42	
05 12 23.75	Steel Beams: double ridge line	lf	23.50	3.19	1.74	28.43	33.00	224.00	7,392.00	
05 12 23.75	Steel Beams: central intersection, MEP space	lf	14.60	4.88	2.55	21.83	27.00	112.00	3,024.00	
07 22 16.10	Additional Insulation: under concrete slab, EPS, R30	sf	3.82	0.48		4.30	5.04	3,858.38	19,446.24	
07 21 13.10	Additional Insulation - Exterior Wall, EPS, 25 psi, R5	sf	0.66	0.16		0.82	1.00	2,208.00	2,208.00	
07 21 13.10	Additional Insulation - Exterior Wall-End Wall, EPS, 25 psi, R5	sf	0.66	0.16		0.82	1.00	656.00	656.00	
07 22 16.10	Additional Insulation - Roof Deck, EPS, 25 psi, R20	sf	2.64	0.24		2.88	3.31	4,552.00	15,067.12	
B3010 125 Mfr	Vegetated Roof System - Tremco:	total								
B3010 125 Mfr	VRS AlphaGuard C Prime Concrete Primer	sf					0.45	4,185.00	1,883.25	
B3010 125 Mfr	AlphaGuard MT Base Coat	sf					2.25	4,185.00	9,416.25	
B3010 125 Mfr	AlphaGuard MT Fiberglass Reinforcing	sf					0.50	4,185.00	2,092.50	
B3010 125 Mfr	AlphaGuard MT Top Coat	sf					1.75	4,185.00	7,323.75	
B3010 125 Mfr	AlphaGuard Fluid Applied Waterproofing System Installation	sf					5.50	4,185.00	23,017.50	

CRANSTON STADIUM - AN EARTH SHELTERED SUSTAINABLE ATHLETIC FACILITY  
(With an Officials Locker Room)

Original Project Estimate: 04.29.15

03.05.15: CRANSTON STADIUM ESTIMATE - Design Option D - with Officials LR  
05.05.16, 05.24.16 FILARSKI/ARCHITECTURE+PLANNING+RESEARCH

Reference Office Code	Item	Unit	Material	Labor	Equip.	Total	Total inc. Sub O&P	Unit	TOTAL	Donated/ In-Kind
B3010 125 Mfr	Bio-Oriented Erosion Netting (1000sf/roll)	sf					0.45	5,000.00	2,250.00	
B3010 125 Mfr	VR Membrane Protection Mat (200sf/roll) & related seam tape	sf					0.45	4,200.00	1,890.00	
B3010 125 Mfr	VR AeroMat .4" for wall drainage (200 sf/roll) & related seam tape	sf					1.96	4,200.00	8,232.00	
B3010 125 Mfr	VR MOD 4" Pregrown Modular MeadowRoofSystem	sf					13.50	4,200.00	56,700.00	
B3010 125 Mfr	VR MOD Preformed Perimeter Edge	lf					7.73	360.00	2,782.80	
B3010 125 Mfr	No. 1 Kentucky Bluegrass Blend Turf at VR and adjacent backfilled areas	sf					1.00	10,000.00	10,000.00	
B3010 125 Mfr	Irrigation Lines, Controller, Valves, and Moisture Sensor for VRS	sf					1.43	4,200.00	6,006.00	
B3010 125 Mfr	Installation of all VRS Materials	ea					82,000.00	1.00	82,000.00	
B3010 125 Mfr	Two (2) Year Tremcare Green VRS PM & Plant and Materials Warranty	ea					10,000.00	1.00	10,000.00	
B3010 125 Mfr	EFVM Leak Detection Installation and Testing Allowance	ea					4,600.00	1.00	4,600.00	
B3020	Ridge Solatubes	ea	1,250.00	375.00		1,625.00	1,787.50	8.00	14,300.00	
B3020	Translucent Canopies	sf	34.50	17.25		51.75	56.93	200.00	11,386.00	
B2020 210 1250	Exterior Glazed Entrance: alum. flush tube, ¼ tempered glass	sf	10.27	7.69		17.96	19.76	136.00	2,687.36	
B2030 110	Exterior Doors: alum. & tempered glass, 2 doors, 6'x7'	ea	4,275.00	375.00		4,650.00	4,649.00	1.00	4,649.00	
B2030 220	Exterior Doors: steel 18 ga. hollow metal, 2 doors w/frame, 6'x7'	ea	2,975.00	590.00		3,565.00	3,922.00	2.50	9,805.00	
C1010 710 1000	Interior Glazed Opening: alum. flush tube, ¾ tempered glass, 8'x8'	ea	2,170.00	1,470.00		3,640.00	4,004.00	2.00	8,008.00	
C1020 102	Interior Doors: alum. & tempered glass, 2 doors, 6'x7'	ea	3,675.00	375.00		4,050.00	4,455.00	1.00	4,455.00	
C1020 114	Interior Doors: 20 ga. full panel, 1½ hr labeled, butt welded, 3'x7'	ea	850.00	440.00		1,290.00	1,419.00	4.00	5,676.00	
C1020 310	Door Hardware: hinges, locksets, closers, push/pull, panic dev., weatherstr.	ea	523.50	338.00		861.50	947.65	7.00	6,633.55	
C1020 310	Door Hardware: hinges, locksets, closers, bar/vert.rod, panic dev., weathrstr	ea	139.50	399.20		538.70	646.44	12.00	7,757.28	
10 21 13.17	Toilet Compartment, plastic laminate, Pilasters floor anchored, 7'w x 70"h	ea	95.00	31.50		126.50	153.00	13.00	1,989.00	
10 21 13.17	Toilet Compartment, plastic laminate, Panels, 31" w x 58" h	ea	143.00	39.00		182.00	217.00	12.00	2,604.00	
10 21 13.17	Toilet Compartment, plastic laminate, Doors 36" w x 58" h	ea	180.00	52.00		232.00	279.00	10.00	2,790.00	
10 21 13.17	Toilet Compartment, plastic laminate, Headrails 120" long	ea	42.00	24.50		66.50	83.50	7.00	584.50	
10 21 13.16	Toilet Compartment, handicapped unit, 52" grab bars	ea	370.00	inc.		370.00	410.00	8.00	3,280.00	
10 28 13.13	Toilet Accessories: dispenser units-towel, chrome, surface mounted	ea	44.50	23.00		67.50	74.25	7.00	519.75	
10 28 13.13	Toilet Accessories: soap dispenser units-stainless steel, surface mounted	ea	46.50	18.35		64.85	71.34	10.00	713.40	
D2010 710 1560	Shower System: complete, 36" square, fiberglass one piece, three sides	ea	1,050.00	840.00		1,890.00	1,984.50	7.00	13,891.50	
D2010 110 1880	Water Closet: floor mount, vitreous china, complete, close coupled	ea	660.00	785.00		1,445.00	1,518.00	9.00	13,662.00	
D2010 110 1880	Water Closet: floor mount, vitreous china, complete, ADA, 18" high bowl	ea	880.00	820.00		1,700.00	1,785.00	6.00	10,710.00	
D2010 310	Lavatory System: complete, all HC accessible	ea	818.48	740.10		1,558.58	1,714.38	13.00	22,286.94	
D2010 420 1760	Utility/Laundry Sink: complete 24" x 20" single compartment	ea	1,140.58	796.30		1,936.88	2,033.73	1.00	2,033.73	
D2010 820 1840	Water Cooler: electric self contained, wall hung, complete system	ea	1,193.70	628.40		1,822.10	2,004.31	3.00	6,012.93	
D2010 820 1920	Water Cooler: electric self contained, wall hung, complete system, HC acc.	ea	1,400.00	630.00		2,030.00	2,131.50	2.00	4,263.00	
D2020 265 2760	Solar Thermal Hot Water System: complete, 2-3'x7' collectors	ea	5,272.29	5,662.80		10,935.09	12,028.60	1.00	12,028.60	
22 14 55.10	Cisterns: steel, pre-pkg. rainwater system, 15" dia., 11'-8" high, 9,692 gal	ea	8,418.59	1,110.00	168.00	9,696.59	10,866.25	2.00	21,232.50	
D4010 310	Dry Pipe Sprinkler System, complete	sf	1.92	2.04		3.96	4.36	3,858.38	16,822.54	
23 34 14.10	Ceiling Fan, right angle, extra quiet, 1.50 cfm	ea	1,175.00	91.00		1,266.00	1,392.60	2.00	2,785.20	
23 83 16	Radiant Heat Flooring: in conc. slab	sf	1.45	1.60		3.05	3.25	3,858.38	12,539.74	
23 81 43.10	Water Source Heat Pumps cooling, supplm. heat	ea	2,375.00	105.00		2,480.00	2,750.00	4.00	11,000.00	
B3050 248 100	Ground Source Heat Pump HVAC System w/DOAS heat recovery	ea	35,801.94	23,897.69		59,699.63	59,699.63	1.00	59,699.63	
D5090 430	Photovoltaic Solar Panel System, complete, grid interconnect, racks	ea				99,625.00	99,625.00	1.00	REF/grants	
D5010 120 0440	Electrical Service: complete, 3 phase, 4 wire, 120/208	sf	1.40	1.08		2.48	2.75	3,858.38	10,610.55	
PEC	Alarm, Emergency Lighting	sf				3.00	3.30	3,858.38	12,732.65	
D5020 110,130	Lighting and Branch Wiring, switches and receptacles	sf	0.52	2.18		2.70	2.97	3,858.38	11,459.39	
D5020 290 0800	Daylight Dimming, complete	sf	0.81	0.68		1.49	1.63	3,858.38	6,289.16	
26 61 23.55	LED Lighting: w/fixtures, branch wiring	ea	57.68	43.89		101.57	112.85	50.00	5,642.50	
32 92, 32 93	Landscaping: allowance	total				10,000.00	10,000.00	1.00	in-kind City	10,000.00
G3020	Sewer Utility Connection: 12" dia. concrete, excavation & backfill	lf	8.95	28.80		37.75	41.53	120.00	4,983.60	
Mfr	Transport SCIP panels, materials	truck			3,000.00	3,000.00	3,000.00	3.00	9,000.00	
	<b>SUBTOTAL</b>								914,814.65	
	Estimating Contingency @ 5%								1.05	
	<b>Sub Total</b>								960,555.38	

**CRANSTON STADIUM - AN EARTH SHELTERED SUSTAINABLE ATHLETIC FACILITY  
(With an Officials Locker Room)**

Original Project Estimate: 04.29.15

© 03.05.15: CRANSTON STADIUM ESTIMATE - Design Option D - with Officials LR  
05.05.16: 05.24.16 FILARSKI/ARCHITECTURE+PLANNING+RESEARCH

Reference Office Code	Item	Unit	Material	Labor	Equip.	Total	Total inc. Sub O&P	Unit	TOTAL	Donated/ In-Kind
01 11 - 01 76	Factor: Construction Contingency; General Contractor Mobilization, GC Overhead & Profit; Architecture/Engineering Fees								1.275	
	Contract: Change In Services of the Architect requested by the City									in-kind City not included here
	<b>TOTAL PROJECT COST</b>								<b>\$1,224,708.11</b>	
	DONATED/IN-KIND SERVICES									
	FUNDS AVAILABLE: City of Cranston, RI								-\$400,000.00	
	GRANT FUNDS: RI Department of Environmental Management, 2014								-\$400,000.00	
	Project Balance Required								\$424,708.11	
	Grant Request: RI Department of Environmental Management, 2016								-\$400,000.00	\$125,969.81
	Project Balance: City of Cranston								\$24,708.11	\$24,708.11
	City & Architect Project Contribution, 2016 RIDEM Large Recreation Grant: 36.67% (20% match required)									\$150,677.93
	City Project Contribution, 2014 RI DEM Large Recreation Grant: 100% (100% match required)									\$400,000.00
	Total City & Architect Project Contribution, 2014 & 2106 RIDEM Large Recreation Grant: 44.96%									\$550,677.93
	Cost, \$ Per Square Foot - Overall Project Building Area: 4,270 GSF								\$286.82	
	Cost, \$ Per Square Foot - Overall Project Building Area, with two Cisterns, 4,624 GSF								\$264.86	
	TOTAL - ADDITIONAL FUNDING OBJECTIVES: Photovoltaic solar panels									
	Grant Source: Photovoltaic solar panel system; Renewable Energy Fund (REF), RI Commerce Corporation									
	BALANCE - ADDITIONAL FUNDING OBJECTIVES: Photovoltaic solar panel system									
	ADD ALTERNATES - items not included in original project scope									

Project Contact:  
Kenneth J. Filarski FAIA, AICP, LEED-AP BD+C, CFM, SAP+AEER, NCARB  
**FILARSKI/ARCHITECTURE+PLANNING+RESEARCH**  
P.O. Box 3210, Providence, RI 02909  
401.331.8800  
[kjfilarski@yahoo.com](mailto:kjfilarski@yahoo.com)

- Note 1: The net square foot (interior) area of the project is 3,858 square feet.  
Note 2: The photovoltaic solar panel system is not included in this project budget for the following reasons:
- 1) potential funding sources for photovoltaic renewable energy system may be restructuring their programs as a result of pending legislation and program integration;
  - 2) additional funding sources are being developed;
  - 3) the photovoltaic solar panel system, while highly complementary to the integrated renewable energy strategy of the building design, the photovoltaic solar panel system can be added to the building at a later date;
  - 4) the photovoltaic system can be scaled up to solar car canopies over the parking lot on the northern end of the Cranston Stadium complex.
    - a. under a City owned scenario the City can be part of a Net-Metered system, eligible for a grant from the Renewable Energy Fund (REF); or
    - b. the City can be part of the National Grid Renewable Energy Growth Program, which offers a fixed rate payment of kWh production for a 20 year term; or
    - c. the City can develop the photovoltaic panels under a sale to a third party, which then pays lease payments to the City for the use of the City owned property to generate electricity from the photovoltaic solar panel array.

15. PUBLIC PARTICIPATION (CHECK WHICH APPLIES):

Renovation of existing facilities or new facility development less than \$25,000 (grants) shall require the consent of the local governing body.

Consent documentation is attached: *Not Applicable*

Projects in excess of \$25,000 (grants) shall require public notice and at least 1 public hearing or meeting held not more the 120 days prior to the grant submission.

Date(s) of public meeting or hearing: *Not Applicable*

*Copy of approved meeting/hearing minutes are attached:* Not Applicable

✓ Date(s) of Town/City Council meeting approving submission of this application:  
*May 23, 2016 - Regular Meeting of the Cranston City Council*

✓ Copy of approved meeting minutes are attached:  
*The Cranston City Council Resolution of May 23, 2016 follows this page.*

*The City Council Resolution references two project budgets attached as part of the Resolution. An updated project budget is included in this grant application following Item 13 and Item 14. The updated project budget is also submitted as a second file item on the digital thumb drive containing this grant application.*

*The City Council Resolution references a comparative analysis of the significant differences between the As-Built Site Drawings and the existing conditions. The narrative of this grant addresses those significant site differences in a general discussion. The specifics of the comparative analysis findings is not included in this document.*

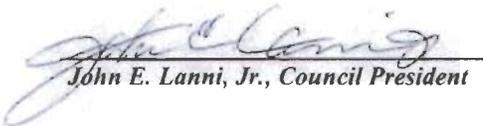
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THE CITY OF CRANSTON

**RESOLUTION OF THE CITY COUNCIL**  
**APPROVING THE APPLICATION TO THE RI DEPARTMENT OF**  
**ENVIRONMENTAL MANAGEMENT IN THE 2016 RI RECREATION**  
**ACQUISITION & DEVELOPMENT GRANT PROGRAM, LARGE**  
**RECREATION DEVELOPMENT CATEGORY**  
**(Locker Rooms)**

No. 2016-27

*Passed:*  
May 23, 2016

  
*John E. Lanni, Jr., Council President*

*Resolved that,*

*Whereas*, the City Council's grant writer has prepared a grant application to the RI Department of Environmental Management in the 2016 RI Recreation Acquisition & Development Grant Program, Large Recreation Development category. The amount to be applied for is \$400,000.00. A 20% match is required, the 2016 grant round requires a 20% match and that match can be donated and/or in-kind services. This grant application will have the 20% match be donated and/or in-kind services; and

*Whereas* attached are two detailed project budgets. One is for a locker room without a referees/officials locker room, and the other includes the referees/officials locker room. The official's locker room was not part of the budget estimates in the original grant application to RI DEM. The increase in project costs are due to the addition of the referees/officials locker room and a number of project categories which have a higher cost due to the discovery that the existing conditions of the site are significantly different than that of the site plan from the As-Built project drawings of the 2000 Additions and Renovations to Cranston Stadium. Also attached is a summary, in a comparative analysis, describing the discrepancies between the 2000 As-Built drawings and the actual existing conditions; and

*Whereas*, the project budgets are drafts and that the numbers will be refined to reflect such items as the fence removal and hay bale erosion control that the City will be performing for the geothermal test well drilling which has recently started or is about to start,

***NOW THEREFORE, BE IT RESOLVED*** that the City Council of Cranston hereby approves the submission of the above grant application and authorizes City officials to execute and deliver all documents reasonably necessary to undertake and complete the application.

Sponsored by: Council President Lanni

Certified TRUE COPY of Original  
Record on File in this Office.

MAY 24 2016  
Date: \_\_\_\_\_

  
Attest: \_\_\_\_\_  
Cranston City Clerk

Application # \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_  
Date Received: \_\_\_\_\_

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## SECTION A - PLANNING CONSISTENCY - 25 Points Available

## 1. LOCAL PLANNING CONSISTENCY: (10 POINTS)

The proposal satisfies priority needs documented in the Community Comprehensive Land Use Plan and conforms to the plan's acquisition and development schedule for project priority, timeline and cost. Identify the neighborhood or community needs for this project by citing references from the local plan and provide links to the appropriate web resources.

**RESPONSE:** *The proposal for this Project is consistent with the 2010 Cranston Comprehensive Community Plan and is consistent with the City's Budget and Capital Improvement Plan. The Project meets or exceeds the recommendations of the Comprehensive Plan. The link to the Cranston Comprehensive Plan is: <http://www.cranstonri.com/generalpage.php?page=4190>*

*The following demonstrates the Project's consistency with the Comprehensive Plan.*

(NOTE: Statements and elements of the planning documents are included in the **RESPONSE** to this Section A - Item 1. The *italicized narrative* is the **RESPONSE** describing how this Project addresses and fulfills the statements and elements of the planning documents.)

**CRANSTON 2010 COMPREHENSIVE PLAN****Introduction to the Open Space and Recreation Element****Key Strategies**

Key recommendations and conclusions include:

- Establishing partnerships with non-profit groups to ensure land can continue to be acquired and protected.

**RESPONSE:** *This project will allow the City to offer and provide a venue that will facilitate partnerships with nonprofit and for profit sports organizations and nonprofit and for profit performing arts groups. The Project will provide an additional revenue stream for the City, which will provide for the ongoing care and protection of this multi-use facility.*

- Obtaining additional open space for both active and passive recreational uses.

**RESPONSE:** *This project creatively uses the existing open space of the semi-circular earth berm at the southern end of Cranston Stadium to provide needed space and service functions that will expand the active recreation use of the Stadium to a wider audience. The use of the earth berm as the location of these new facilities is an ingenious solution to providing needed facilities and retaining the existing open space element of the existing form of the earth berm.*

- Supporting existing programs to ensure open space and recreation needs are met now and for future generations.

**RESPONSE:** *This project will allow for greater use with necessary amenity functions of the locker room and rest rooms for the sports teams and arts organizations, as well as the Recreation Department staff. This greater use supports the existing programs and expanded programs and user groups in the future.*

- Ensuring that adequate funds are available to maintain open space areas and recreational facilities.

**RESPONSE:** *This Project allows the City to market the venue to state, regional, and national sports organization as a venue for their leagues, tournaments, and championships. The added team and group function amenities elevates the Cranston Stadium to a desirable venue, becomes a marketable recreation resource and will generate revenue as a venue for the City to use for open space areas and recreational facilities.*

*This Project expands the ability of the City to market the venue to state, regional, and national performing arts organizations for warm weather concerts, performances, and other events which are compatible with the facility.*

## **CRANSTON 2010 COMPREHENSIVE PLAN**

### **Part III – Strategies and Actions**

#### **Improvements to Existing Facilities**

##### *Expansion of Recreational Opportunities*

- Opportunities for the users of recreational sites and facilities should be upgraded and expanded to serve all segments of the population. Although this action was in the previous Plan, recreation programs and activities continually change and should match the current activities and needs of the users.

**RESPONSE:** *The Project will expand recreation opportunities to a wider geographic base of users across the city, the State, the region, and the nation. The Project will also expand the demographic base of outdoor recreation to a wider audience with the cultural recreation of the performing arts.*

##### *Improvements to Recreational Facilities*

- The Recreation Department is responsible for maintaining all parks and recreational sites except those on school properties. Recreation facilities need to be constantly maintained and periodically upgraded to provide the greatest opportunities for their users and ensure they do not fall into disrepair and unsafe conditions, especially where they are frequently used.

**RESPONSE:** *The Project is planned and designed as an upgrade to the existing facility, making it more useable to a wider range of users and interests. The Project is designed with life cycle costs, both operational and maintenance, as a major design consideration.*

*The Parks and Recreation Department currently maintains the semi-circular earth berm as part of their ongoing work program, and will do so going forward. The maintenance of the new facility will be done on a daily basis as part of the Department's work program as the Department will be a user of the facility.*

Improved ADA Access to Recreational Facilities

- The City must comply with ADA regulations to make new or altered recreational facilities accessible, and it should be proactively improving existing sites to ensure that people with disabilities have adequate and safe access to all sites. People of all ages, especially the very young and old, should have access to recreation sites. Some actions, such as additional rest rooms, may be cost prohibitive, but should be pursued. Other actions may require thoughtful management and planning such as better informative and directive signs.

**RESPONSE:** *The entire Project will be designed incorporating Universal Design principles and practices throughout the spaces and fixtures of the facility. Universal Design goes beyond ADA regulations. The Project will meet and exceed the requirements of the Americans With Disabilities Act and the Rhode Island State Building Code with respect to ADA regulations and accessibility.*

**CRANSTON 2010 COMPREHENSIVE PLAN**  
**Introduction to the Natural Resources Element**  
**Key Strategies**

Key recommendations and conclusions include:

- Adoptions of standards such as low impact development and other 'green' policies and techniques that enhance watersheds.

**RESPONSE:** *This Project is in keeping with low impact development and green policies and techniques. A unique characteristic of the Project is that while it is adding a building and space footprint, it will not add any building footprint that will contribute to storm water runoff. In fact, the Project will add absorption capacity to the existing soil and grass root structure in place in the existing berm, by increasing the root structure with enhanced plantings.*

**Part III – Strategies and Actions**  
**Adopt a 'Green' Building Program**

- Many communities are beginning to realize the benefits of adopting a "green" building program. The City of Cranston has the opportunity to reduce impacts to the environment, improve building efficiency, and lowering utility bills by encouraging the construction of green buildings.
- New advances in building science, technology, and operations are available to designers, builders, and owners who want to "build green" and maximize environmental and economic performance as well as improve the health of people in the building.
  - Environmental benefits include:
    - Enhance and protect ecosystems and biodiversity,
    - Improve air and water quality,
    - Reduce solid waste,
    - Conserve natural resources.
  - Economic benefits include:
    - Reduce operating costs,
    - Improve employee productivity and satisfaction.
  - Health and community benefits:
    - Improve air, thermal, and acoustic environments,
  - Enhance occupant comfort and health,

Minimize strain on local infrastructure,  
Contribute to overall quality of life.

- These improvements would be directed by a set of “green building” principles to encourage owners, architects, developers, and contractors to incorporate meaningful sustainable building goals early in the design process for all facilities.

**RESPONSE:** *This Project will do accomplish all of the above items cited in the Comprehensive Plan. Furthermore, with this Project the City of Cranston will set the stage and provide a model project example for other municipalities and the private sector.*

*The Project is designed to meet, at a minimum, LEED Silver Certification standards. The Project will be designed to be a Positive Net Energy Building. The Project exceeds the recommendations of the Comprehensive Plan.*

*The Project also follows the recommendations of the Cranston Green Building Commission, which was adopted by the Cranston City Council and is recognized as a National Best Practice by the U.S. Green Building Council and the Land Use Law Center of Pace Law School.*

#### **CRANSTON 2010 COMPREHENSIVE PLAN Implementation**

Open Space and Recreation Action Program  
OS-8  
Improvements to Existing Facilities

- Continue to upgrade and expand recreational opportunities at existing sites to serve all segments of the population.

**RESPONSE:** *This Project will do exactly what is recommended for Implementation in the Comprehensive Plan – upgrade and expand recreation opportunities at the existing site of the Cranston Stadium to serve all segments of the population.*

Open Space and Recreation Action Program  
OS-9  
Improvements to Existing Facilities

- Ensure recreational facilities allow access to people of all ages and are Americans with Disabilities Act (ADA) compliant.

**RESPONSE:** *The Project will accomplish this and more. The new facilities will not only be ADA compliant, but are designed with Universal Design principles and practices. This feature for the locker rooms, preparation room, restrooms and other support facilities provides the opportunity for sports teams and performing arts organizations who have members with limited physical abilities to participate with their group at all levels of the recreational experience, including that of the “locker room” or “backstage” camaraderie, as well as having a place for changing and dressing and preparation for their event.*

## Open Space and Recreation Action Program

OS-19

## Administrative and Management Actions

- Provide adequate funding to maintain and improve City recreation facilities and sites.
- Continue to explore user fees and other revenue generating measures.

**RESPONSE:** *The Project will enable the City to increase revenue generation and user fees by the simple arithmetic that more events, and more audience participants equal increased revenue.*

## Natural Resources Action Program

NR-3

## Protection of Cranston's Natural and Environmental Resources

- Promote a "green" building program for all new construction.
- Consider a LEED-type program to analyze energy efficiency and sustainability.

**RESPONSE:** *The Project is designed to meet, at minimum LEED Silver Certification standards. The Project will be designed with a goal to be a Positive Net Energy Building. The Project exceeds the recommendations of the Comprehensive Plan. The Project follows and supports recommendations made by the Cranston Green Building Commission in the report and adopted by the Cranston City Council.*

## Natural Resources Action Program

NR-19

## Surface Water Quality

- Adopt standards, such as Low Impact Development techniques to better manage storm water from roadways in new construction.
- Reduce impervious surfaces in new developments such as with porous pavements and reduced travel lane widths to reduce runoff.

**RESPONSE:** *The entire Project is a low impact development project. The Project will use the existing earth berm located at the southern end of the Stadium as the location of the new facility. The new facility will be located inside the earth berm, therefore will not add to storm water run off. The new facility will be covered by pervious, natural surfaces.*

*This design approach meets and exceeds the recommendations of the 2010 Cranston Comprehensive Plan and also follows the recommendation of the City of Cranston's Green Building Commission.*

## Services and Facilities Action Program

SF-6

## Building Improvements

- Adopt energy conservation standard for City facilities:
- Establish a long-term program to reduce energy costs for the City.

**RESPONSE:** *The Project is design target is to be a Positive Net Energy Building, creating more energy than it uses. Super insulation will be achieved with the earth berm forming an earth sheltered structure over the new facility structure. Photovoltaic panels, solar hot water heating, geothermal*

*and air to air exchange heating, cooling, and dehumidification will contribute toward achieving the Positive Net Energy Building goal.*

*Land Use Action Program*

LU-15

Commercial Development

Corridor Studies:

- Identify and prioritize corridor segments...for City economic development efforts...preferred commercial uses, circulation and safety improvements, and potential linkages among parcels.

**RESPONSE:** *The Project will target the Park Avenue corridor segment running past the Stadium as a priority for city economic development efforts, focused commercial uses, circulation and safety improvements, and linkages among appropriate parcels. Park Avenue is one of the most highly traveled thoroughfares in the City.*

*Economic Development Action Program*

ED-22

Revitalization Projects

- Target improvement of neighborhood commercial centers to service their market area.

**RESPONSE:** *The Project will improve and revitalize the commercial area of the Park Street corridor around the Stadium area with the increased activity due to the expansion of the active and cultural recreation offerings and events.*

## 2. STATE PLANNING CONSISTENCY: (10 POINTS)

The project satisfies priority needs documented in the State Comprehensive Outdoor Recreation Plan (SCORP), Greenspace and Greenways Plan and any other State Guide Plan elements identified by the RRRRC. Points will be awarded based on the number and/or importance of recommended actions supported by the proposal. Cite Plans and References.

**RESPONSE:** *The Project supports and advances several of Needs, Policies, and Actions cited in the SCORP document, summarized by the following.*

*The Project enhances and expands the range of active recreation offerings to the public by providing needed support facilities for participation by teams and leagues of all ages, of all sport genres, increasing the range and numbers of audience participants.*

*The Project enhances and expands the range of cultural recreation offerings to the public by providing needed support facilities for participation by performing arts groups. This will increase the participant audience range and audience base for recreation activities at the Stadium.*

*The Project will expand the geographic base of recreation offerings brought into the immediate community by providing the support facilities needed by organizations that would hold events drawing a statewide, regional, and national audiences.*

*The Project will expand and enhance the recreation offerings to sports teams and cultural/performing arts groups with participants having physical limitations because the Project provides the support facilities designed with Universal Design Principles and Practices, allowing those individuals to take part in their team and group events.*

*The Project addresses the demand for multi-purpose fields, by providing support facilities for team sports in active recreation, and for performing arts groups in cultural recreation, making the Cranston Stadium a desired and attractive venue.*

*The Project preserves and enhances an existing green facility, and more so preserves, enhances, and makes innovative use of the natural feature of the existing Stadium facility, notably the earth berm at the southern end of the playing field. The Project adds needed facility space by using the surface area of an existing greenfield, not by adding an impermeable building footprint.*

*In doing the above, the Project enhances and adds to the capacity of permeable surface area in a dense, urban setting. The Project does not contribute to additional storm water runoff. The Project maintains and enhances the existing permeable surface area of the existing earth berm.*

*The Project preserves and enhances the history and legacy of a building and a neighborhood place in the City and the State. The Stadium is 79 years old, built between 1935 and 1937 as part of the Works Progress Administration (WPA), and is historical for the community and the State even though the building is not listed on the National Register of Historic Places. The Stadium is located in a plat of the City that once was a state and national recreation attraction, the Narragansett Trotting Park, later becoming the site of the State Fair Grounds for a generation. In 1896 the park was the site of the first automobile speed race in the state, and later was the site of the first airplane race in the State in 1907.*

*This Project is in support of the following Policies in the document Ocean State Outdoors: Rhode Island's Comprehensive Outdoor Recreation Plan, State Guide Element 152, Adopted 2003, Amended 2009; Report Number 113.*

- Cultural Resources

*Policy RCOS - 10: Preserve significant historic, architectural and archeological sites, buildings, and districts.*

- Urban and Community Recreation

*Policy RCOS - 20: Strengthen and expand opportunities for open space and outdoor recreation for urban residents.*

- Urban and Community Recreation

*Policy RCOS - 21: Strengthen and expand community-based recreation facilities and open spaces to meet close-to-home needs.*

- Urban and Community Recreation

*Policy RCOS - 23: Coordinate regional initiatives in conservation and recreation and promote sharing of facilities to meet needs on a regional, multi-town basis.*

- Accessibility for All Users

*Policy ROCS – 25: Insure a system that is accessible to all potential users.*

- Sustainable Facilities

*Policy RCOS - 28: Demonstrate and promote sustainable design and building concepts in recreation projects.*

- Sustainable Facilities

*Policy RCOS - 29: Avoid the loss of recreation and open space system land through conversion to alternate uses....*

## 3. APPLICANT PRIORITY: (5 POINTS)

The applicant's highest priority application will receive 5 points. Additional application will receive progressively fewer points.

**RESPONSE:** *This is the City of Cranston's only application for funding under this grant and is therefore the highest priority application to the Rhode Island Department of Environmental Management.*

## SECTION B - OPERATION AND MAINTENANCE 10 Points Available

## 1. Operation &amp; Maintenance Requirement: (5 Points)

Explain the operation and maintenance needs, including budget, equipment and labor for the proposed project. Explain how the municipality will fund the maintenance.

**RESPONSE:** *The City of Cranston currently operates and maintains the site and will do so for this Project within their existing department budget. The Project is designed with Life Cycle Costs in mind, including that of operation and maintenance costs. Life Cycle Costs for the Project will be minimal.*

*This Project can serve as a prototype model for how a recreation facility can reduce and minimize operation and maintenance requirements through strategic design decisions and effective construction techniques.*

*Maintenance costs for the earth berm structure will be low as the vegetative cover will not need to be mowed as with the current grassed slope. Since the earth berm is not an architectural structure in a traditional sense, the typical maintenance routines of painting, staining, roof repairs, and the like will not be necessary.*

*Since the (new) building itself will be under the earth berm, there is no exterior maintenance traditionally associated with the exterior envelope of a building. Interior surfaces will be polished and stained concrete floors, walls, and ceiling as the entire structural shell will be reinforced concrete. Sinks will be integrated one surface countertop/sink assemblies. Toilet room dividers will be stainless steel and/or hypoallergenic and antimicrobial composite materials.*

*The Parks and Recreation Department cleans and maintains bathrooms at all athletic facilities throughout the City. This Project will have no added cost or labor. In the words of the Director of the Department, "We will work a little harder when...we add this facility to our list of things to do." It should be reiterated that currently the staff of the Department do not have restroom, locker, or shower facilities for their own use.*

*This Project provides the staff with these necessary facilities. The professional pride and the care, and the staff's work ethic will ensure that the facilities will be maintained in excellent condition for all user groups. The new facilities of the Project can only serve to enhance the already high level of productivity of the Department.*

*The Parks and Recreation Department currently maintains the lawn and performs the edging and necessary clean up for the existing semi-circular earth berm. The maintenance of the Project at this location would be basically the same as for the current condition.*

*Regarding the operational costs, particularly that of energy costs, the cost will be lower than that of a traditional building meeting energy code requirements.*

*The Project's earth sheltered structure is a super-insulated building, drastically lowering the heating and cooling load. In fact the cooling load will be next to zero for the building. Photovoltaic panels will supply the electricity for the building. Solar hot water heating will be used for the hot water supply. Radiant heating will be integrated into the flooring system. Geothermal, and air to air, exchange systems for heating, cooling, and dehumidification will be incorporated if geothermal conductivity test studies indicate that the necessary geothermal exchange loops can be effective within the earth berm itself. This will mitigate drilling for the exchange loops and lower the cost of system installation.*

2. Maintenance Record: (5 Points)

Explain applicant's maintenance of other outdoor recreation facilities in the municipality.

**RESPONSE:** *The maintenance record of the Cranston Department of Parks and Recreation is exemplary.*

*In 2012 the Rhode Island Recreation and Parks Association named the Cranston Parks and Recreation Department the "Department of the Year" at its annual conference and award luncheon.*

*The award is presented to recognize the parks and recreation department in the State of Rhode Island whose concern for and dedication to the field has been demonstrated through efforts, which enhances the lives of the people in their community. A major contributing factor in this award was the Cranston Parks and Recreation Department's consistent level of high caliber maintenance of their entire portfolio of outdoor recreation facilities that leads to attractive, inviting facilities which are widely used by the citizens in the City.*

SECTION C - BONUS FEATURES      22 Points Available

1. The project addresses multi-community or regional needs: (3 points)

**RESPONSE:** *The Project will provide facilities that meet the requirements for hosting statewide, regional, and national sporting events for teams, leagues, associations, and conferences.*

*Additionally, the dressing, changing, restroom, performance preparation facilities will be used by state, regional, and national performing arts groups for outdoor performance events for cultural recreation opportunities.*

*The Project will provide improved facilities for the City's teams in the interscholastic league and youth sports programs.*

*Football, soccer, lacrosse, field hockey teams using the larger playing field will use the new facilities of the Project. Baseball and softball teams, playing on an adjacent field will also be able to use the new facilities of the Project.*

*The Project provides facilities for the staff of the Cranston Department of Recreation, which currently is the only City Department which does not have restroom and changing facilities. The Department works from the Cranston Stadium premises. This Project addresses a community need directly related to improving the working conditions of the staff and the operations and maintenance functions.*

*The Project therefore addresses multiple purpose, community, multi-community and regional needs for active recreation opportunities, and further provides facilities to provide a venue for multi-cultural arts and performing arts cultural recreation offerings.*

2. The project is part of a multi-phase project with a Master Plan. (3 Points)  
(Master Plan must be submitted with the application)

**RESPONSE:** *A Restoration Master Plan was developed for the Cranston Stadium in April, 1996.*

*Enclosed: Restoration Master Plan Cranston Stadium, April, 1996; page 41.*

*The City has been diligent and focused in upgrading and maintaining the entire recreation complex of Cranston Stadium as part of the ongoing Master Plan. The following is a listing of the major improvements that have been made to the Cranston Stadium and the overall Stadium complex since the year 2000.*

*Recent work at the Cranston Stadium:*

- *The Cranston Stadium underwent renovation of the grandstands, seating, and grounds in 2000 at a cost of \$2,500,000.00.*
- *Synthetic Turf was installed in 2007 at a cost of \$839,000.00*
- *New Tennis Courts were installed in 2010 at a cost of \$195,000.00.*
- *New interior wall was installed around entire Football Field in 2013 at a cost of \$44,000.00.*
- *New Runway Wall leading from Baseball field to Tennis Courts was installed in 2013 at a cost of \$39,600.00.*
- *2013 Construction has been completed for new bleachers in front of Baseball Press box, at a cost of \$31,700.00.*

3. The project will improve the economy of an area.  
For example, the project spurs job creation, town center redevelopment or development of a facility in an area identified for revitalization in State or community programs. (5 Points)

**RESPONSE:** *The City is supports the economic improvement of its commercial areas and commercial corridors as stated in the Land Use Element of the 2010 City of Cranston Comprehensive Plan. Park Avenue is an important street and commercial corridor in the City.*

*The Project will contribute to improving the economy of the immediate commercial area along Park Avenue, and the economy of the City of Cranston. The Project with its expanded facilities will now have the necessary facilities to attract and host a wide variety of statewide, regional, and national sporting, performing arts, and community events.*

*The Stadium, with this Project, will be able to attract and program a greater number of sporting and cultural events, to a wider range of cultural audiences, and to a wider geography of audiences. All this will contribute to spur job creation in the immediate commercial area along Park Avenue, and to the City by adding to the demand for support services and retail services for the additional sporting and cultural events.*

*The following language of the Comprehensive Plan and the narrative in italics demonstrate the Project is supported by the Plan by action items for Economic Development and Land Use.*

Land Use Action Program  
LU-15  
Commercial Development

- Corridor Studies:

Identify and prioritize corridor segments...for City economic development efforts...preferred commercial uses, circulation and safety improvements, and potential linkages among parcels.

**RESPONSE:** *The Project will target the Park Avenue corridor segment running past the Stadium as a priority for city economic development efforts, focused commercial uses, circulation and safety improvements, and linkages among appropriate parcels.*

- Economic Development Action Program

ED-22

Revitalization Projects

Target improvement of neighborhood commercial centers to service their market area...

**RESPONSE:** *The Project will improve and revitalize the commercial area of the Park Street corridor around the Stadium area.*

4. Project includes redevelopment of a Brownfield as defined by DEM Rule and Regulations for the Brownfields Remediation and Economic Development Fund.  
(5 Points)

**RESPONSE:** *The Project does not include redevelopment of a Brownfield.*

*The Project uniquely preserves and enhances an existing "greenfield" by using the footprint and the surface area of the existing earth berm at the southern end of the Stadium as the location and "home" for an earth sheltered, vegetated roof structure housing the new facilities.*

5. Special or Innovative Design Features: (3 Points)

Examples include Low Impact Development (LID) design ("green design" features), recycled materials, water or energy conservation, preservation of an historical feature, landscaping or habitat restoration.

**RESPONSE:** *Although the Project will be a new structure, a unique design feature of the Project is that the new structure will be located within an existing semi-circular earth berm forming the southern end of the Cranston Stadium. This design approach preserves an important visual and aesthetic characteristic of the Stadium. This visual characteristic provides a uniform background for the particular sporting event participants. The visual characteristic further provides an aesthetic visual backdrop for the spectator, enhancing the spectator viewing of the event and the crowd experience for the observer.*

*While the Cranston Stadium has not been nominated, or placed on the National Register of Historic Places, the Stadium is 79 years old. This Project preserves the historical character, "look and feel", and ambience of the Stadium by retaining and enhancing the semi-circular earth berm that defines the southern end of the Stadium.*

*With this Project, the Cranston Stadium will have a greater appeal to statewide and regional audiences and participants, reaching back to the halcyon days of when the site of the Stadium was a major recreation attraction.*

*The current Cranston Stadium is located in the plat of the City that once was a state, regional, and national recreation attraction, the Narragansett Trotting Park. Later after the initial owner experienced financial problems the park became the site of the Rhode Island state fair grounds for a generation. In 1896 the park was the site of the first automobile speed race in the state, and later it was the site of the first airplane race in the state in 1907. The property was eventually sold in 1925 and re-platted as the Speedway Plat with the streets names evoking the racing history of the neighborhood.*

*The Project will exceed the standards of the Rhode Island Green Buildings Act. The Project will follow the U.S. Green Building Council's LEED Rating System in its design and construction, and LEED for Neighborhood Development for the Stadium and the surrounding neighborhood.*

*This project is unique in its concept and execution of sustainability applied holistically to the design and function of team locker rooms and rest room facilities for sports teams and other events.*

*Key sustainable concepts and principles used in the design of the Project:*

- Low Impact Development (LID) design*
- Recycled materials/earth*
- Natural Daylighting*
- Maximizing natural ventilation by optimizing use of low and high pressure orientation, and the Venturi effect (stack effect)*
- Water conservation*
- Energy conservation*
- Energy production - photovoltaic panels*
- Energy production - solar thermal hot water*
- Energy production - geothermal, and air to air, exchange for heating and cooling*
- Preservation of a man made, but natural feature, i.e. the existing curved earth berm at the southern end of the stadium*

*The Project is also unique in that the concept and design has been developed by a leading practitioner in sustainable architecture and planning, nationally recognized for their work with the U.S. Green Building Council, the regionalization of LEED Rating System, the LEED for Neighborhood Development Rating System for the Upper Northeast, and an active participant in the Rhode Island Green Infrastructure Coalition. The Principal of the firm is also a resident of the City of Cranston.*

6. Exceptional Features: (3 Points)

The project has special features not noted elsewhere in the application. For example, promotes arts, tourism or special programming.

**RESPONSE:** *The development of locker rooms and rest room facilities for sports teams also benefits the participants in arts and other special programming. Arts groups, and performing arts groups can use the locker rooms rest rooms as dressing rooms and preparation facilities for a range of arts performances be they theater, dance, lectures, poetry, or performance art, making the Stadium a multi-cultural facility. This strategic addition enhances its value for a number of attractions and opportunities, enhancing its use, and adding to its tradition and history as a sports venue. This Project opens a new chapter in the life the Cranston Stadium.*

## SECTION D - PROJECT MERIT 22 Points Available

1. Project is based on the need and/or demand for the proposed recreational activity in the area: (10 Points)

Project will address need for the type of recreational activity in the area. SCORP and Local Comprehensive Plan detail areas requiring additional recreation facilities.

**RESPONSE:** *Please reference: SECTION A - PLANNING CONSISTENCY, Item 1: Local Planning Consistency beginning of Page 5 of this grant application for an expanded response to this item.*

*CRANSTON 2010 COMPREHENSIVE PLAN*

*This Project addresses the Implementation of the Open Space and Recreation Element recommendation OS-8 in the City's Comprehensive Plan:*

*"Continue to upgrade and expand recreational opportunities at existing sites to serve all segments of the population."*

*The Project is upgrading and expanding the recreational opportunities at an existing site to serve all segments of the population with both active and passive recreation opportunities. This Implementation Recommendation is targeted as a Medium Time Frame of 2-3 Years. Since the Comprehensive Plan is the 2010 plan for the City, this Project is on target as it was part of the 2013-2014 budget for the City, and the work plan for 2017 to 2017.*

*This Project addresses the Implementation of the Open Space and Recreation Element recommendation OS-9 in the City's Comprehensive Plan:*

*"Continue to upgrade and expand recreational opportunities at existing sites to serve all segments of the population."*

*This Implementation Recommendation is targeted as a Medium Time Frame of 2-3 Years. Since the Comprehensive Plan is the 2010 plan for the City, this Project is on target as it has been included in the 2013-2014 budget for the City and is part of the work plan for 2014 to 2017.*

2. Expanded Usage: (10 Points)

The project adds recreational amenities or hours of usage (e.g. additional fields are added to a facility or lights are added so it can be used at nights).

**RESPONSE:** *The Project expands the local community, statewide, regional, and national attraction and use of the Cranston Stadium by providing necessary locker rooms, changing facilities, restrooms, meeting space, and supporting facilities for sports organizations, teams, and performing arts groups from the city, the state, the region, and across the country.*

*The Project adds year round facilities for the staff of the Cranston Department of Parks and Recreation further adding to the support capacity the Department provides to their operations.*

3. Multiple Uses: (5 Points)

The project integrates a variety of recreational opportunities providing activities for a mix of age groups and degrees of physical abilities.

**RESPONSE:** *The Project will expand the support facilities for the City's interscholastic sports programs, recreation opportunities for the younger ages with lacrosse, field hockey, baseball, softball, youth soccer, Pop Warner Football, and to the older adult semi-professional soccer leagues as an example.*

*The Project will also introduce the ability of the City to initiate and integrate cultural recreation with the performing arts given the expanded facility capability of the Project.*

*The Project includes facilities that are developed with good design, and sustainable design, and the Project fully integrates Universal Design Principles into every aspect of the facility design. Universal Design accommodates individuals of the widest range of ages and abilities. Universal Design will apply to the layout and design of the spaces, and the FFE - furniture, fixtures, and equipment.*

*This feature for the locker rooms, preparation room, restrooms and other support facilities provides the opportunity for sports teams and performing arts organizations who have members with limited physical abilities to participate with their group at all levels of the recreational experience, including that of the "locker room" or "backstage" camaraderie.*

4. Improved User Comfort or Safety: (5 Points)

The project improves user comfort or safety such as the additional of sanitary facilities, fencing to separate recreational activities, benches, shade trees or shelters.

**RESPONSE:** *The Project adds necessary facilities for sports teams and organizations, performing arts groups, and the staff of the Cranston Department of Parks and Recreation. The necessary facilities are designed to be sustainable and incorporate Universal Design Principles for the age groups and abilities of the various user groups. The Project improves the facilities because currently the facilities are not available. The facilities as they are designed will be comfortable, safe, and enjoyable for the current and the expanded user groups.*

5. Equity, Service and Accessibility: (20 Points)

The project will expand recreational opportunities to disadvantaged segments of the population.

**RESPONSE:** In 2012, Cranston was designated as a Distressed Community by the State of Rhode Island in accordance with R.I. General Law 45-13-12. The Project is located in the Eastern part of the City, which has a marked difference in household income, housing value, and property size than the Western part of the City. The Eastern part of the City has 2/3 of the City's population and almost 3/4 of the households. Household income in the Eastern part of the City is approximately 55% of the income of households in Western Cranston. While Cranston is no longer designated as a Distressed Community, the conditions in the Eastern part of the City compared to the Western side of the City remain.

a) Project is located within or provides service to a neighborhood identified in which low income and/or minority residents are over-represented.

**RESPONSE:**

*Low Income:* The neighborhoods where the Project is located are part of the Eastern part of the City. As a matter of comparison, the households in the Western part of the City are approximately 80% higher than the household income in the Eastern part of the City.

*The number of persons below the poverty level in this Census Tract 140 increased by 131% between 2000 and 2010, increasing from 5.4% of the City's population to 7% of the City's population. Census Tract 140, Block 3, where the Project is located, is a lower income neighborhood based on Household Income, 2010 Census.*

*Minority Population:* The neighborhood where this Project is located has a higher percentage of minority population compared to the total population than does that of the City of Cranston or the State.

*The percentage of minority population in Census Tract 140 is 32.2% of the total population in that tract. The percentage of minority population population in the State is 30% of the total population.*

*Census Tract 140 minority demographic composition of race is: Hispanics 11.9%; Blacks 5.1%; Asians 7.9% Other 7.3%.*

*For Cranston the minority demographic composition of race is: Hispanics 10.8%; Blacks 5.3%; Asians 5.2%; Other 4.6%*

*For Rhode Island, the minority demographic composition of race is: Hispanics 12.4%; Blacks 5.7%; Asians 5.9%; Other 6.0%*

b) Project is located in a densely populated neighborhood or neighborhood identified for revitalization by State or community plans.

**RESPONSE:** *The Project is located in one of the most densely populated neighborhoods in the City and the State. The census tract is characterized by small, one and two family dwellings constructed on small urban lots. Approximately 95% of the house lots in the neighborhood range from 3,000 square feet to 4,000 square feet in total lot area.*

*Census Tract 140 is ranked 59th highest out of 241 census tracts in the State for housing density, with a density figure of 7,224 people per square mile.*

*Census Tract 140 ranks 49th highest out of 241 census tracts in the State for Total Housing Units, totaling 2,425 units.*

see page 40:

- *Aerial View Cranston Stadium, Neighborhood Density and Development Context*

see page 40:

- *Plat Map - Cranston Stadium Plat 6-3, Lot 2700 and Surrounding Neighborhood Lot Development Context*

*The above illustrations visually demonstrates the predominance of neighborhood and housing/lot density. The Park Avenue corridor, which provides the main access to the Cranston Stadium site, is listed in the City Comprehensive Plan as one of the three highest traveled roads in the City.*

c) The project is served by public transportation (within ¼ mile of a bus stop) or is proximate to a bikeway.

**RESPONSE:** *The Project is served by RI Public Transit Authority (RIPTA) #12 Park Avenue Bus Route. The bus stop is located 200 feet from the Cranston Stadium property, a very short walking distance.*

*see page 41:*

- *The location of the bus stop is indicated in: Map of Cranston Stadium and Park Avenue Bus Stops, located on the following pages.*

d) The project provides activity or amenity features that expand the recreational opportunities for physically or mentally challenged individuals (such features to be in excess of normally mandated barrier-free accessibility standards).

**RESPONSE:** *The Project includes facilities that are developed with good design, and sustainable design, and the Project fully integrates Universal Design Principles into every aspect of the facility design. Universal Design accommodates individuals of the widest range of ages and physical and mental abilities. Universal Design will apply to the layout and design of the spaces, coloring and visual queues, and the FFE - furniture, fixtures, and equipment.*

*This feature for the locker rooms, preparation room, restrooms and other support facilities provides the opportunity for sports teams and performing arts organizations who have members with limited physical and mental abilities to participate with their group at all levels of the recreational experience, including that of the "locker room" or "backstage" camaraderie.*

Comments:

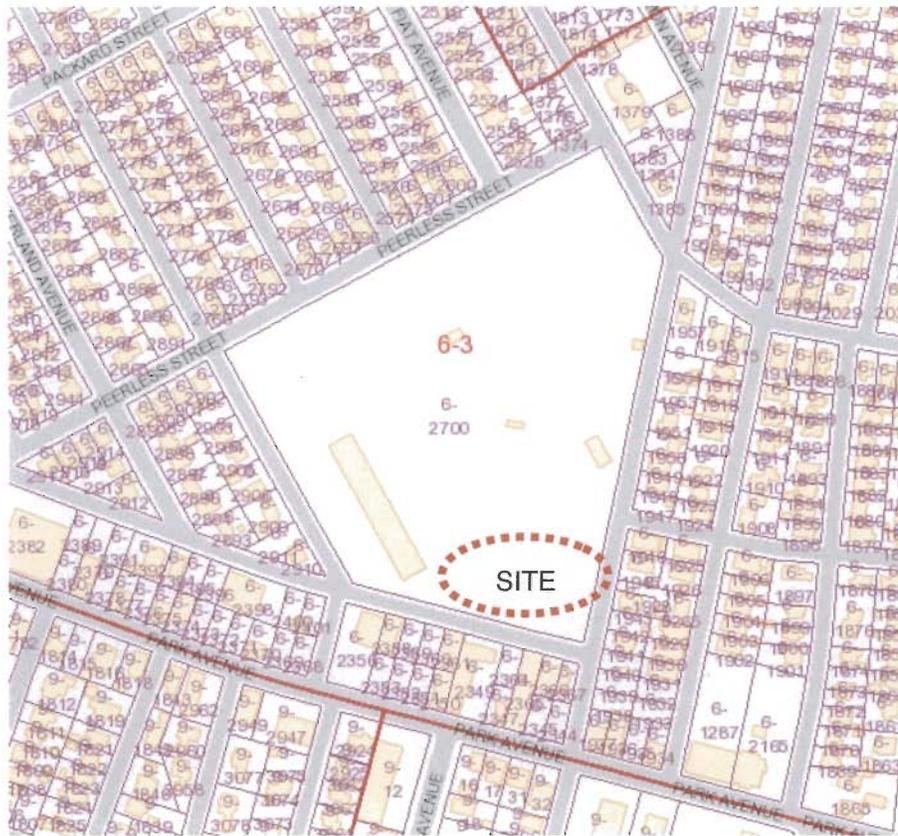
Illustrations and Ownership documents are included on pages 40 - 43 following this page.

Signature: By checking the box below, the applicant certifies that if awarded a grant for this project the organization will comply with the following program requirements:

- 1) Diligently manage and execute the project to deliver the specified results within the project period and budget;
- 2) Operate and properly maintain all public-use facilities developed pursuant to the project;
- 3) Not discriminate in the availability and usage of any public facilities developed pursuant to the project; and
- 4) Agree that the project land area be permanently restricted to outdoor recreational use.

Name: Allan W. Fung, Mayor

Date: May 25, 2016



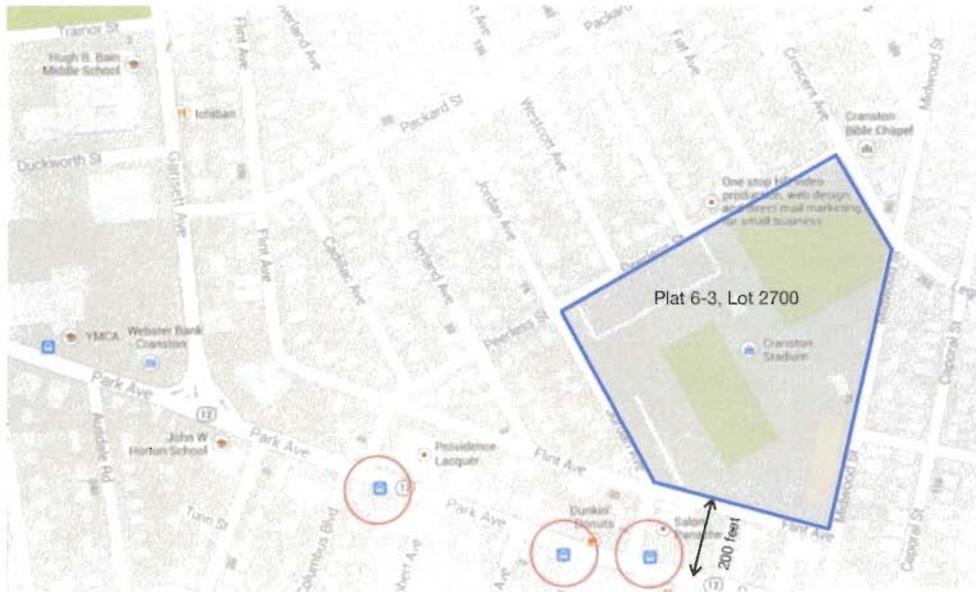
• Plat Map - Cranston Stadium Plat 6-3, Lot 2700 and Surrounding Neighborhood Lot Development Context



• Aerial View Cranston Stadium, Neighborhood Density and Development Context



Earlier Restoration Master Plan for the Cranston Stadium; Albert Veri & Associates, 1996



• Map of Cranston Stadium and Park Avenue Bus Stops RI Public Transit Authority (RIPTA) #12 Park Avenue Bus Route. Bus stops circled in red. The bus stop is located 200 feet from the Cranston Stadium property, a very short walking distance.

Application # \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

Date Received: \_\_\_\_\_

ALLAN W. FUNG  
MAYOR



SALVATORE SACCOCCIO JR.  
CITY ASSESSOR

DAVID COLE  
DEPUTY ASSESSOR

DEPARTMENT OF FINANCE  
DIVISION OF ASSESSMENT  
869 PARK AVE  
CRANSTON, RI 02910-2786

November 25, 2013

To Whom It May Concern:

Please be advised that our records indicate the owner of Cranston Stadium Complex, which is Assessor's Plat 6 Lot 2700, as the City of Cranston.

The City took ownership on May 23, 1927. The deed is recorded in deed book 172 page 356. A copy of the title is attached.

Should you have any questions please feel free to contact this office.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Salvatore Saccoccio, Jr.', is written over a horizontal line.

Salvatore Saccoccio, Jr.  
City Assessor

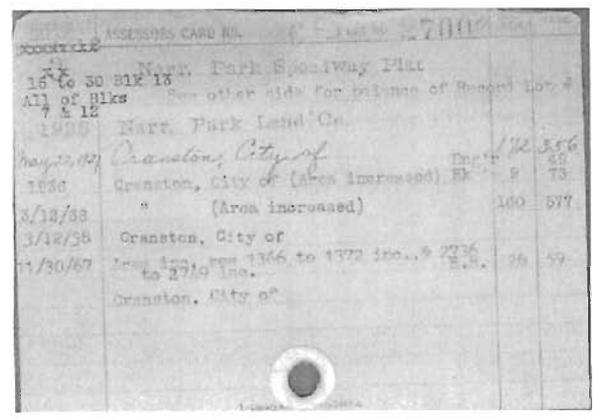
Title Card and Account Ledger System at the City of Cranston

Your search returned 3 results  
11/25/2013 11:12 AM  
**Plat: 6 Lot: 2700 Condo: 0**  
**Entry ID: 66967**

Record Date 12/31/2003 12:00:00 AM

<b>Owners</b>	<b>Additional Info</b> None listed
Account # 29008555	
CRANSTON CITY OF CITY BUILDINGS	
<b>Mailing Address</b>	
869 PARK AVENUE, CRANSTON, RI 02910	
<b>Exemptions</b> None listed	
<b>Description</b>	
2004 Tax Roll Data (Exempt) Re: 35 FLINT AVENUE	

Title Card and Account Ledger System at the City of Cranston



Title Card and Account Ledger System at the City of Cranston

