## ADDENDUM COVER SHEET Addendum No. 1

## **Capitolo Playground Field Renovations and Site Improvements RFP Philadelphia Redevelopment Authority**

Issue Date: August 24, 2021

#### **ITEM:**

- 1. Added Specification 221000 (Plumbing System)
- 2. Added Specification 221130 (Flush Type Ground Hydrant)
- 3. General Plumbing Notes Revised
- 4. Drawing P101 (Plumbing) Revised
- 5. Drawing LSK-1 (Demolition Scope) Note Change
- 6. Drawing LKS-2 (Dimensions for Garden) Note Change
- 7. Drawing LKS-3 Delete Remnant Notes
- 8. Drawing LKS-4 Plaque Location Detail
- 9. Drawing LKS-5 Garden Fence Dimensions
- 10. Questions and Answers

#### **SECTION 22 10 00**

#### PLUMBING SYSTEM

#### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. The requirements of Division 1, the General Conditions, the Supplementary General Conditions and the Contract Drawings are hereby made a part of this section as fully as if repeated herein.
- B. The Contractor shall consult these sections in detail as he will be responsible for and governed by the conditions set forth therein and the work indicated.

#### 1.2 DESCRIPTION

- A. Description of System(s): Perform all work necessary and/or required and furnish all materials for a complete installation of the system(s) indicated and specified. Such work shall include, but not be limited to, the following:
  - 1. Piping for ground hydrant system
  - 2. Backflow preventor and valves
  - 3. All miscellaneous devices and accessories for the hydrant systems.

#### 1.3 QUALITY ASSURANCE

#### A. Qualifications:

- 1. Unless otherwise specified or indicated, all materials and equipment shall be the products of a manufacturer regularly engaged in the production of plumbing materials and equipment.
- 2. All design, fabrication and erection shall be performed in full compliance with all applicable laws, ordinances, rules, regulations and the latest edition of the following codes and standards:
  - a. IBC
  - b. National Plumbing Code
  - c. Philadelphia Plumbing Code
  - d. NFPA
  - e. UL
  - f. OSHA

#### B. Requirements of Regulatory Agencies:

- 1. Contractor shall comply with all applicable code and regulatory requirements of Federal, State and local authorities. These shall include, but not be limited to, the following:
  - a. State Health Department
  - b. Local Department of Licenses and Inspections

#### CAPITOLO PLAYGROUND FIELD RENOVATIONS

2. Contractor shall comply with all requirements regarding the testing and inspections of piping system.

#### 1.4 SUBMITTALS

#### A. General:

- 1. Submit shop drawings and descriptive data in accordance with the General and Supplementary Conditions of this Specification.
- 2. Obtain approval of submittals prior to ordering or fabricating materials.
- B. Shop Drawings: Furnish shop drawings and descriptive data, complete with project designation, for the following:
  - 1. Backflow preventer and valves
  - 2. Ground hydrant

#### 1.5 PRODUCT DELIVERY, HANDLING & STORAGE

- A. Delivery: Deliver equipment and materials to project site in manufacturer's unopened original packaging.
- B. Handling: During loading, transporting and unloading exercise care to prevent damage to equipment and materials.
- C. Storage: Store materials in area protected from weather, moisture and mechanical damage. Materials that have been exposed to weather or moisture and exhibit excessive scale, rust or water damage will not be permitted.

#### PART 2 - PRODUCTS

#### 2.1 HYDRANT AND PIPING

- A. Ground Hydrant: non-freeze, flush type, lead-free Zurn Z1360XL, Murdock or as approved equal
- B. Piping 2" diameter CPVC pipes, including accessories or as approved equal
- C. Pressure regulating valve
- D. Backflow preventor
- E. Valves

#### PART 3 - EXECUTION

#### 3.1 PIPING INSTALLATION

- A. Water Piping Installation:
  - 1. Cold water piping:

#### CAPITOLO PLAYGROUND FIELD RENOVATIONS

- a. Layout: Connect at ground water hydrant and install as indicated to supplies, plumbing components, etc.
- 2. Water piping accessories:
  - a. Install plumbing water lines and accessories according to Philadelphia Plumbing Code.

#### 3.2 TESTING, BALANCING AND ADJUSTING

- A. Test procedures outlined here are a minimum requirement. If requirements of governing authorities or utility companies are more stringent, perform testing procedures as directed thereby. Remove or valve any appurtenances that are not capable of withstanding test pressure.
- B. Pressure testing of all piping systems as follows:
  - 1. Entire plumbing system of piping and ground hydrants:
    - a. Test with water unless weather conditions prevent so doing, in which case, use air.
    - b. Static head of water or psig minimum air pressure must be maintained for 60 minutes without loss of pressure.
    - c. All portions of piping may be tested in sections with necessary test tee connection.
    - d. Finally, test entire system from City of Philadelphia water main.
  - 2. All systems of water piping in place for a 24 hour period as follows:
    - a. 50 psig in excess of expected normal operating pressure.
- C. Test, calibrate and adjust as required the following system components:
  - 1. Shut-off valves
  - 2. Backflow preventers
  - 3. Pressure regulating valves
- D. On the entire cold water piping system:
  - 1. Balance to assure proper flow to each ground water hydrants (hose bibbs).
  - 2. Adjust as required for quiet and proper operation.
- E. Submit to the Engineer all data required for conformance to the requirements of this Article.

#### **END OF SECTION**

#### **SECTION 22 11 30**

#### FLUSH TYPE GROUND HYDRANT

#### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. The requirements of Division 1, the General Conditions, the Supplementary General Conditions and the Contract Drawings are hereby made a part of this section as fully as if repeated herein.
- B. The Contractor shall consult these sections in detail as he will be responsible for and governed by the conditions set forth therein and the work indicated.

#### 1.2 DESCRIPTION

- A. Description of System(s): Perform all work necessary and/or required and furnish all materials for a complete installation of the system(s) indicated and specified. Such work shall include, but not be limited to, the following:
  - 1. Piping for hydrant systems
  - 2. Backflow preventers
  - 3. Shut-off valves
  - 4. Pressure regulating valves

#### 1.3 QUALITY ASSURANCE

#### A. Qualifications:

- Unless otherwise specified or indicated, all materials and equipment shall be the products of a manufacturer regularly engaged in the production of plumbing materials and equipment.
- 2. All design, fabrication and erection shall be performed in full compliance with all applicable laws, ordinances, rules, regulations and the latest edition of the following codes and standards:
  - a. IBC
  - b. National Plumbing Code
  - c. Philadelphia Plumbing Code
  - d. NFPA
  - e. UL
  - f. OSHA

#### B. Requirements of Regulatory Agencies:

- 1. Contractor shall comply with all applicable code and regulatory requirements of Federal, State and local authorities. These shall include, but not be limited to, the following:
  - a. State Health Department

#### CAPITOLO PLAYGROUND FIELD RENOVATIONS

- b. Local Department of Licenses and Inspections
- 2. Contractor shall comply with all requirements regarding the testing and inspections of domestic water piping system.

#### 1.4 REFERENCES

- A. ASME A112.21.3M
- B. ASSE 1011
- C. SWDA Sect 1417(d)

#### 1.5 SUBMITTALS

- A. Comply with all related sections, such as Submittal Procedures, as required.
- B. Product Data: Submit manufacturer's product data, including installation instructions.

#### 1.6 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Storage: Store materials in clean, dry area in accordance with manufacturer's instructions. Do not store materials in direct sunlight.
- C. Handling: Protect materials and finish during handling and installation to prevent damage.

#### PART 2 - PRODUCTS

#### 2.1 MANUFACTURERS

- A. Hydrant
  - 1. Ground Hydrant: non-freeze, flush type, lead-free Zurn Z1360XL, Murdock or as approved equal

#### **PART 3- EXECUTION**

#### 3.1 EXAMINATION

A. Examine areas to receive Ground Hydrant. Notify Engineer of conditions that would adversely affect installation or subsequent use. Do not proceed with installation until unsatisfactory conditions are corrected.

#### 3.2 INSTALLATION

A. Install Ground Hydrant in accordance with manufacturer's instructions provided in the manner deemed acceptable by the engineer or City of Philadelphia.

#### 3.3 PROTECTION

A. Protect installed Ground Hydrant from damage prior to, during, and post construction. END OF SECTION

# NERAL **PLUMBING** NOTES:

9

DEFINITION: UNLESS OTHERWISE NOTED, ALL WORK SPECIFIED HEREIN OR NOTED ON DRAWINGS, SHALL BE BY THE CONTRACTOR. ALL REFERENCES TO "CONTRACTOR" OR "THIS CONTRACTOR" ON DRAWINGS OR SPECIFICATIONS ARE ADDRESSED TO THE CONTRACTOR. THE TERM "PROVIDE" WHENEVER ENCOUNTERED ON DRAWINGS OR SPECIFICATIONS, SHALL MEAN "FURNISH AND INSTALL"

20

2 SUBMISSION OF THE BID BY THE CONTRACTOR IS NOTIFICATION THAT THE CONTRACTOR HAS TOTALLY FAMILIARIZED HIMSELF WITH THE CONTRACT DOCUMENTS AND EXISTING SITE CONDITIONS AND HAS AGREED TO PROVIDE THE NECESSARY LABOR AND MATERIAL FOR THE COMPLETE INSTALLATION OF EACH SYSTEM IN A NEAT AND WORKMANLIKE MANNER IN ACCORDANCE WITH THE BEST PRACTICES OF THE INDUSTRY AND IN COMPLIANCE WITH ALL AUTHORITIES HAVING JURISDICTION.

2

- ယ UNDERSTANDING THAT THE CONTRACTOR IS AN EXPERT AND COMPETENT IN THE PREPARATION OF CONTRACT BID PRICES ON THE BASIS OF INFORMATION SUCH AS IS CONTAINED IN THESE DOCUMENTS. IT IS THE INTENT OF THE DRAWINGS AND SPECIFICATIONS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION, AND IN COMPLETE CONFORMANCE WITH ALL APPLICABLE CODES, RULES, AND REGULATIONS. MINOR ITEMS NOT USUALLY SHOWN OR SPECIFIED, BUT MANIFESTLY NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OF THE SYSTEM, SHALL BE INCLUDED IN THE WORK AND IN THE PROPOSAL THE SAME AS IF SPECIFIED OR SHOWN ON THE DRAWINGS. IF ANY DEPARTURES FROM THE DRAWINGS AND SPECIFICATIONS ARE DEEMED NECESSARY, DETAILS OF SUCH DEPARTURES AND THE REASONS THEREOF SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE ENGINEER AND OWNER. THE DRAWINGS ARE PRESENTED TO THE CONTRACTOR WITH THE
- INSPECTIONS, AND PERMITS PERTAINING TO THE PLUMBING WORK OF THE CONTRACT. SUBMIT TO OWNER DUPLICATE CERTIFICATES OF INSPECTION FROM APPROVED INSPECTION AGENCIES. CONTRACTOR SHALL SECURE AND PAY FEES, LICENSES,

4

ALTERED DURING WORK TO ACCEPTABLE CONDITIONS AS DETERMINED BY THE OWNER AND THE ENGINEER. EXISTING SYSTEMS AND SERVICES THAT ARE TEMPORARILY DISCONNECTED BUT ARE TO REMAIN IN USE SHALL BE PERMANENTLY RECONNECTED AND RETURNED TO PROPER OPERATION. CONTRACTOR SHALL RESTORE EXISTING SYSTEM, ETC DAMAGED OR

5

SAMPLE OF MATERIALS, AND FIELD INSTALLATION DRAWINGS AS REQUIRED FOR A COMPLETE EXPLANATION AND DESCRIPTION OF ALL ITEMS TO BE PROVIDED. THE ENGINEER SHALL REVIEW AND APPROVE ALL SHOP DRAWINGS. NO SUBMISSION WILL BE ACCEPTED WITHOUT THE SIGNED APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL CHECK AND FIELD VERIFY ALL MEASUREMENTS. SUBMIT CATALOG INFORMATION, FACTORY ASSEMBLY DRAWINGS

0

ALL WORK INVOLVING ALTERATIONS TO EXISTING SYSTEM, EQUIPMENT, AND MATERIALS SHALL BE REVIEWED WITH THE ENGINEER AND THE OWNER BEFORE BEGINNING WORK.

SITE ARCHITECTURE, DEVELOPMENT PLANNING CONSTRUCTION MANAGEMENT WWW.synterralld.com
4747 S Broad St, Bldg 101, Suite LL33
Philadelphia, PA 19112
215.243.0700 | http://www.synterraltd.com/

PROJECT TEAM

Civil and Structural Engineer: KS Engineers, P.C. 35 S 3rd St. Philadelphia, PA 19106 215.925.0425 | http://www.kseng.co

Mechanical, Electrical and Plumbing Engineer:
Adcon Consultants, Inc.
2465 N 50th St
Philadelphia, PA 19131
215.877.8210 | http://www.adconusa.com/

7436 Briar Road Philadelphia, PA 19138 215.924.8699 | http://www.erbaplar

ning.com/

mmunity Engagement die R . Battle Associates Inc. 36 Briar Road

20 Hagerty Boulevard, Suite 3 West Chester, PA 19382 610.436.9000 |

7

CONTRACTOR SHALL SIMILARLY NOTIFY THE ENGINEER OF COMPLETION OF ALL WORK, INDICATING THAT THE CONTRACTOR IS READY FOR THE ENGINEER TO PERFORM THE FINAL PUNCHLIST INSPECTION.

 $\infty$ 

10 CONTRACTOR SHALL SURVEY AND RECORD THE CONDITION OF EXISTING COMPONENTS THAT ARE TO REMAIN IN PLACE THAT MAY BE AFFECTED BY DEMOLITION OPERATIONS. THE ENGINEER FINAL PUNCHLIST, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER IN WRITING A LETTER OF COMPLETION CERTIFYING THAT ALL PUNCHLIST ITEMS HAVE BEEN COMPLETED AND ALL AS-BUILTS, MANUALS, ETC. HAVE BEEN SUBMITTED. UPON COMPLETION OF ALL UNFINISHED OR FAULTY WORK NOTED IN

9

- $\frac{1}{2}$ WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND PROPER INSTALLATION OF SYSTEM. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY OFF-SETS AND FITTINGS WHICH MAY BE REQUIRED DUE TO SPACE CONSTRAINTS. NOTIFY ENGINEER AND OWNER IMMEDIATELY SHOULD ANY CONFLICT DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL EXTENT ARISE
- ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF FEDERAL, STATE, AND LOCAL CODES AND ORDINANCES.

12

 $\frac{1}{3}$ 

- CONTRACTOR IS REQUIRED TO FIELD VERIFY ALL DIMENSIONS AND CONDITIONS FOR POSSIBLE INTERFERENCES. CONTRACTOR SHALL VISIT FIELD AND SITE PRIOR TO BIDDING PROCESS TO VERIFY EXISTING CONDITIONS AND INTERFERENCES.
- DO NOT SCALE DRAWINGS. LOCATIONS OF NEW PIPES, NEW GROUND HYDRANTS (HOSE BIBBS), NEW CONCRETE PADS, AND NEW PIPING WITH METER IN THE MANHOLE ARE SHOWN DIAGRAMMATICALLY AND ARE APPROXIMATE. ACTUAL LOCATIONS ARE TO BE DETERMINED BY FIELD CONDITIONS.
- PROVIDE ALL PENETRATIONS AS REQUIRED.
- CONTRACTOR SHALL APPLY SELECTIVE DEMOLITION IN REMOVING THE COMPONENTS.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH CIVIL WORK, WORK, AND OTHER RELATED

17

<u>1</u>6

15

 $\frac{1}{2}$ RESPONSIBILITY TO CONFIRM THE EXISTING SITE CONDITIONS AND INSTALLATION CLEARANCES PRIOR TO SHOP DRAWING SUBMISSIONS AND INSTALLATION. SHOULD THE CONTRACTOR DETERMINE THAT THE INSTALLATION OF ANY PLUMBING COMPONENT IS RESTRICTED OR NOT ABLE TO BE INSTALLED IN THE SUGGESTED LOCATION, THE CONTRACTOR SHALL READDRESS THE INSTALLATION ACCORDINGLY AND IN COMPLIANCE WITH ALL RELEVANT CODES OF AGENCIES HAVING JURISDICTION AT NO ADDITIONAL COST.

- INSTALL THAT IS ACTOR SHALL BE RESPONSIBLE FOR A FULL AND COMPLETE ATION AND PROPER FUNCTIONING OF THE PLUMBING SYSTEM ACCEPTABLE BY THE CITY OF PHILADELPHIA.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ANY OBJECTS OR OBSTRUCTION DURING EXCAVATIONS OF THE TRENCH. IF THE OBJECTS ARE VALUABLE, THEY WILL BE TRANSFERRED/HANDED OVER TO THE CITY OF PHILADELPHIA. OTHERWISE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISCARDING THEM FROM THE SITE.
- CONTRACTOR MUST NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIED OR OPERATIONAL FACILITIES, EXCEPT WHEN AUTHORIZED BY PHILADELPHIA WATER DEPARTMENT (PWD). PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES AS ACCEPTABLE TO PWD.

PHILADE DHINA	
MANE TO	

Philadelphia Parks & Recreatior 1515 Arch Street, 10th Floor Philadelphia, PA 19102

SEAL

ROJECT COORDINATOR

T.DH.I.D.
MANIETO

OF COMPANY	<b>*</b>
THE STATE OF THE S	
MAN	
MANIETO	

		الم
AIHA W		
MANETO		
Not les	BIII	<b>-</b>

(	\ \/#			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Œ
	ELPHIA		7		
	MANE TO				` @

THIN THE PARTY OF	
MANIETO	
Na Salar	

GENERAL PLUMBING NOTES

Rebuild

APITOLO PLAYGROUND
IELD RENOVATIONS

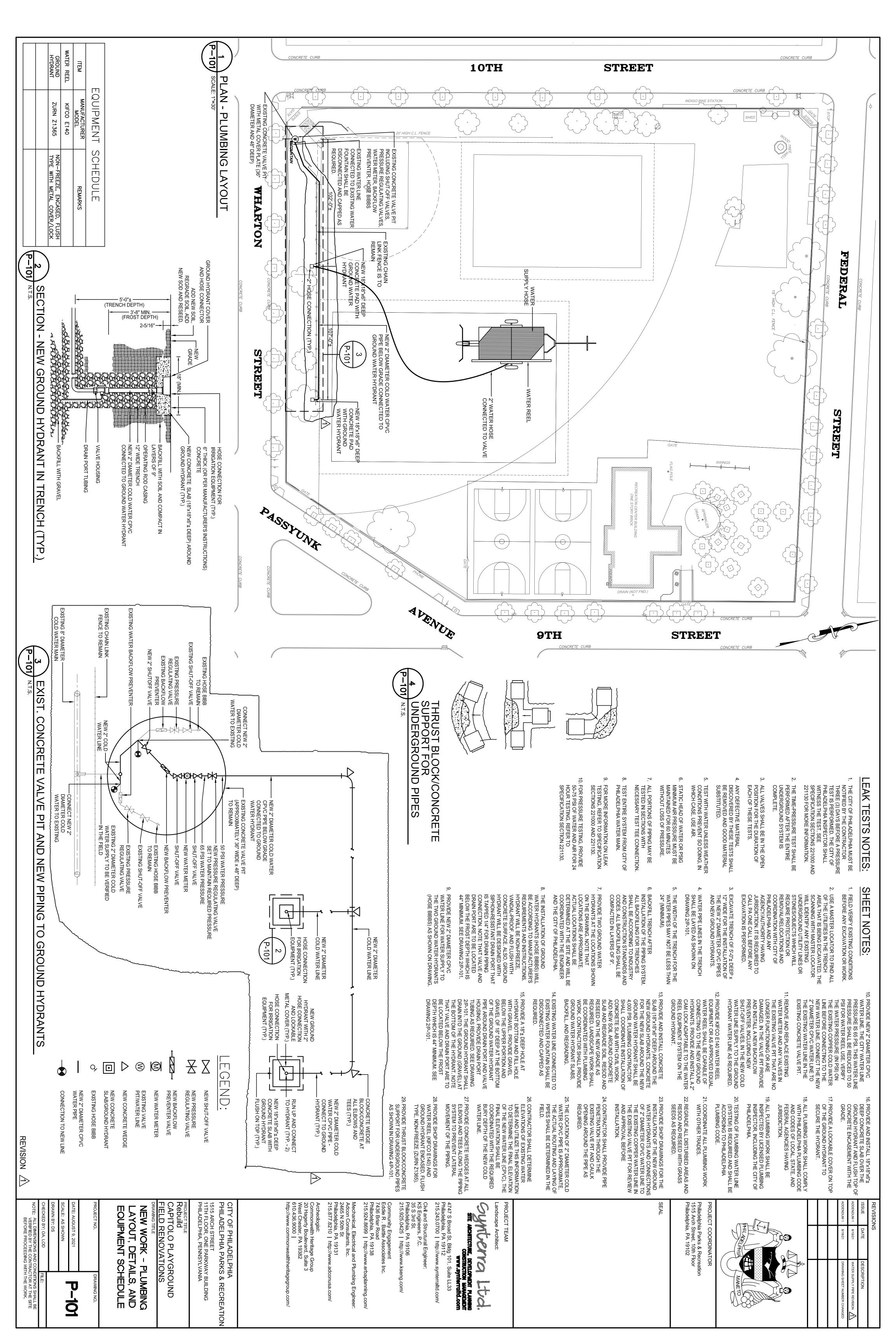
CITY OF PHILADELPHIA PHILADELPHIA PARKS 8

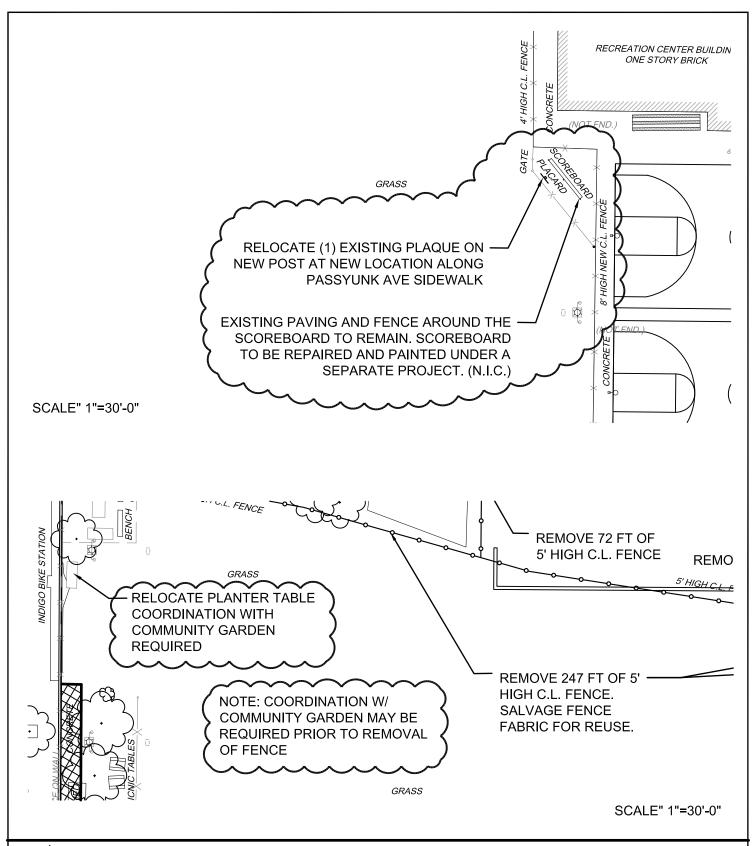
& RECREATION

1515 ARCH STREET 11TH FLOOR, ONE PARKWAY BUILDING PHILADELPHIA, PENNSYLVANIA

U 8

ALL DIMENSIONS AND CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR AT THE SITE BEFORE PROCEEDING WITH THE WORK.



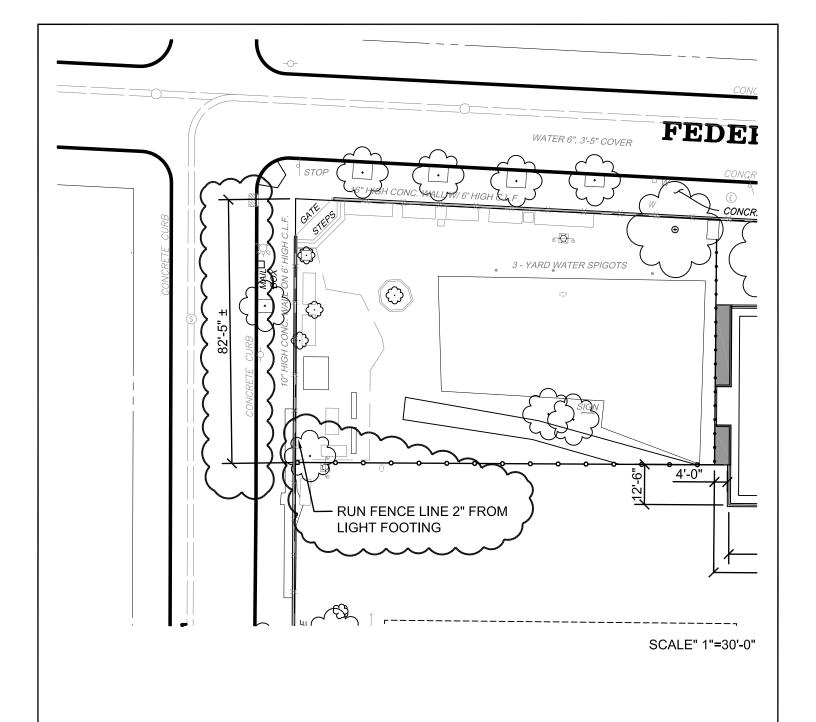




## STE ARCHITECTURE, DEVELOPMENT PLANNING

TE ARCHITECTURE, DEVELOPMENT PLANNING CONSTRUCTION MANAGEMENT www.synterraltd.com

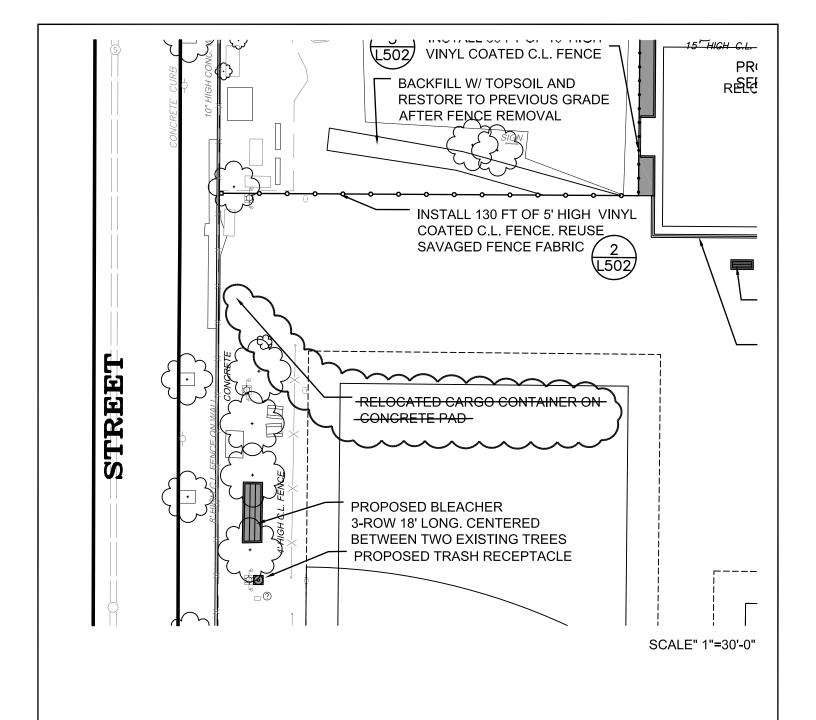
PROJECT TITLE					scale	as shown
Rebuild	date	August 23, 2021	drawn by	Synterra Ltd.	project no.	16150E-05-02
CAPITOLO PLAYGROUND	project	Rebuild CAPITOLO PLAYGROUND FIELD RENOVATIONS			reference drawing no.	L-102
FIELD RENOVATIONS	title	Demolition Scope and Note (	Changes		sketch no.	LSK-1
	issue:	ADDENDUM # 1			sheet	1 of 4





Systema Ltd.
SITE ARCHITECTURE, DEVELOPMENT PLANNING
CONSTRUCTION MANAGEMENT
www.synterraltd.com

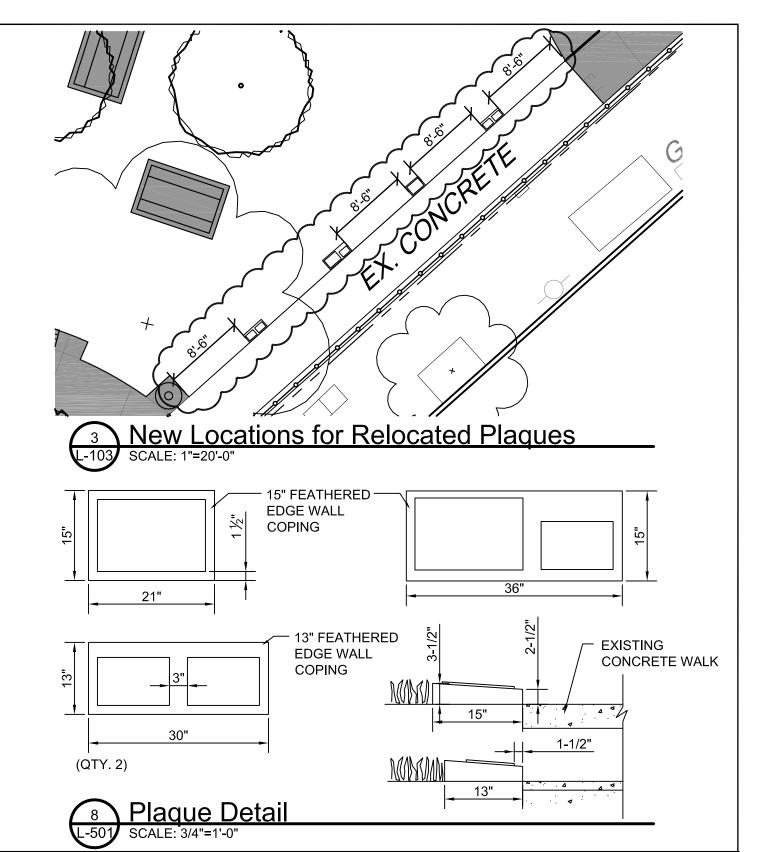
PROJECT TITLE					scale	as shown
   Rebuild	date	August 23, 2021	drawn by	Synterra Ltd.	project no.	16150E-05-02
CAPITOLO PLAYGROUND	project	Rebuild CAPITOLO PLAYGROUND	O FIELD RENOV	VATIONS	reference drawing no.	L-103
FIELD RENOVATIONS	title	Dimensions for Garden Fend	ce		sketch no.	LSK-2
					Sketch no.	Lon-z
	issue:	ADDENDUM # 1			sheet	2 of 4





Systema Ltd.
SITE ARCHITECTURE, DEVELOPMENT PLANNING CONSTRUCTION MANAGEMENT WWW.synterraltd.com

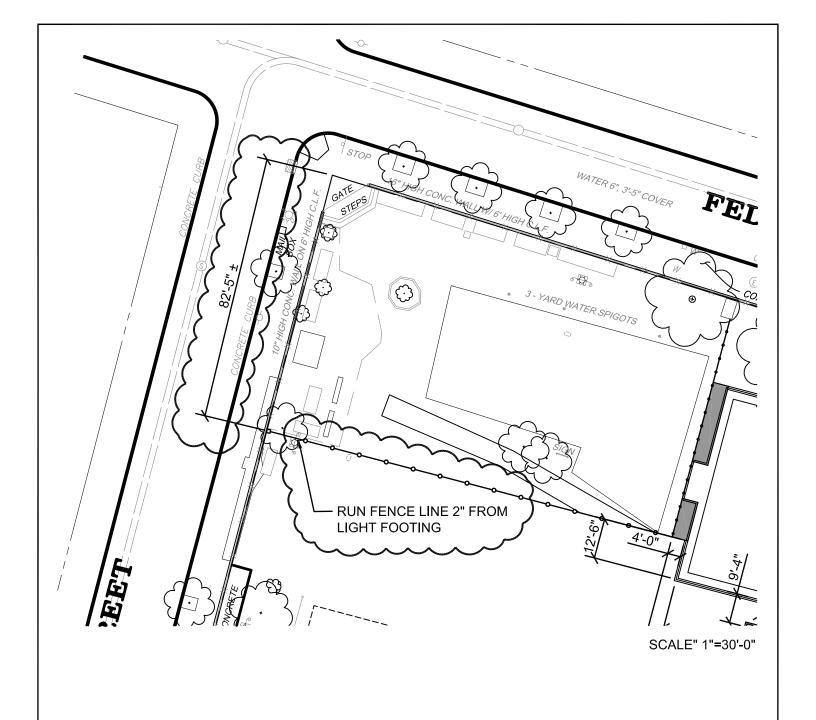
PROJECT TITLE					scale	as shown
   Rebuild	date	August 23, 2021	drawn by	Synterra Ltd.	project no.	16150E-05-02
CAPITOLO PLAYGROUND	project	Rebuild CAPITOLO PLAYGROUND	FIELD RENO	VATIONS	reference drawing no.	L-105
FIELD RENOVATIONS	title	Delete Remnant Label			sketch no.	LSK-3
	issue:	ADDENDUM # 1			sheet	3 of 4





## STE ARCHITECTURE, DEVELOPMENT PLANNING CONSTRUCTION MANAGEMENT WWW.syntertaltd.com

PROJECT TITLE					scale	as shown
Rebuild	date	August 23, 2021	drawn by	Synterra Ltd.	project no.	16150E-05-02
CAPITOLO PLAYGROUND	project	Rebuild CAPITOLO PLAYGROUND	FIELD RENO	VATIONS	reference drawing no.	L-103/L-501
FIELD RENOVATIONS	title	Relocated Plaques Locations	s and Details	S	sketch no.	LSK-4
	issue:	ADDENDUM # 1			sheet	4 of 4







PROJECT TITLE					scale	as shown
   Dobuild	date	August 17, 2021	drawn by	Synterra Ltd.	project no.	16150E-05-02
Rebuild	project	Rebuild CAPITOLO PLAYGROUNE	) FIELD RENOV	/ATIONS	. ,	
CAPITOLO PLAYGROUND				7,1110110	reference drawing no.	L-103
FIELD RENOVATIONS	title	Dimensions for Garden Fenc	e		sketch no.	LSK-#
	issue:	ADDENDUM # 1			sheet	# of ##

### Capitolo Playground Field renovations and Site Improvements RFP Questions/RFIs:

1. Specification Section 012100 calls for a 2% permit fee allowance. Typically there is a separate line item on the bid form for this type of allowance. Under which line item should we include this allowance?

ANSWER: The permit fee should be included in the Mobilization/Demobilization line item.

2. The proposed elevation contours on Sheet L-104 show minor re-grading of the entire field. Is it the intent to have the entire field stripped of topsoil, regraded, and then have the topsoil returned? Or are you intending just to fine grade the existing topsoil without fully stripping?

ANSWER: The intent is to smooth out irregularities and promote positive drainage so it would be fine grading with aeration of existing topsoil without fully stripping. Due to archeological concerns, we would like to keep the disturbance to the minimum.

3. Can all bidders assume the existing topsoil is suitable for re-use?

ANSWER: Contractors to obtain soil report and amend the existing topsoil as per recommendations in soil report.

4. The Kifco representative informed me that the B140 Water Reel will not work with a ¾" water line. At a bare minimum this should be a 2" water line but he would recommend a 3" line to fully cover 100,000 sf of sod. His name is Tom Matt and he can be reached at (315) 225-7054 if you wish to discuss with him. Please clarify if we should bid the plans as drawn or figure a new 2" water service connection which will require a meter pit and a hot box with a new backflow preventer.

ANSWER: The size of the supply water line in the existing valve pit, connected to the ground water hydrant, was changed from 3/4" to 2". This includes the line with the new backflow preventer, new shut-off valves, new water meter, new pressure regulating valve.