## ATTACHMENT A

## Questions for Ballou High School- DCAM- 15-NC- 0063

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Question	Answer
1. What is the GPM of Condenser	1980
Water Pumps	
2. What is GPM of Chilled Water Pumps?	900-1540
3. What is the Tonnage of the (2)	600
Chillers at Ballou?	
4. Who is the installer of the elevators at Ballou?	Otis Elevator
5. Will the CMC be required to provide Fire Alarm Monitoring at Ballou?	No
<ol> <li>How many Fire Sprinkler Dry-Pipe valves are at Ballou?</li> </ol>	See Contract Drawings – Addendum No. 4
7. Who is the installer of the Fire Alarm System?	Heller Electric
8. Who is the Programmer of the Fire Alarm System?	LSSI
9. What is the GPM of the Fire Pump?	500
10. How many Fire Sprinkler Wet System Risers are located at Ballou?	4
11. What is the count of all fire alarm:	
a. Audio's	See Contract Drawings- Addendum No. 4
b. Visual's	See Contract Drawings- Addendum No. 4
c. Devices	See Contract Drawings- Addendum No. 4
12. Will the CMC be responsible for the culinary classroom (Auxiliary) kitchen equipment?	Yes
13. Will CMC be required to perform Eddy Current Testing during Base year of the Contract?	No
14. Please provide an Equipment list of all Electrical Panel Boards and Switch Gears throughout the building.	See Electrical Drawings – Attachment J. 9
15. Will CMC be required to perform exterior Window Cleaning at Ballou?	Yes
16. Who is the installer of the Generator?	Nationwide Electrical
17. What is the model number and serial number of generator?	IDLC800-2MU (Generac)
18. Is the cooling tower induced draft or forced draft?	Induced
19. Is there a UPS System at Ballou? If so, please provide all model and serial numbers and total battery counts.	DC OCTO

20. Are there roof anchors on the roof at Ballou?	Yes
21. What is the total square footage of the green roof?	There is no green roof.
22. Who is the installer of the Track and Field?	ATT Sports – Track, Field Turf – Field
23. Who is the Manufacturer of the Track and Field?	ATT Sports – Track, Field Turf – Field
24. Who is the installer of the Score Boards?	TJ Distributors
25. Who is the Manufacturer of the Score Boards?	Daiktronics
26. Who is the installer and Manufacture of the Pool?	Paddock Pool
27. How many pools? Pool size? Current company that maintains it?	(1) Collegiate Size and Paddock Pools.
28. Is a full time Certified Pool Operator required at Ballou during pool operational hours?	Yes
29. Can one of the onsite HVAC engineer mechanics get certified as a Certified Pool Operator to fulfill this requirement?	Yes
30. Will the CMC be required to staff the Building and/or Pool on Saturdays and Sundays?	Yes, please ee Attachment J. 9 (Page 7).
31. Will DGS provide an electronic copy of Landscaping Drawings and Landscaping Layouts?	Yes. See Contract Drawings.
32. Will DGS provide electronic access or hard copies of all construction drawings?	See Contract Drawings- Addendum No. 4
33. Will the CMC be required to service and inspect the Fume Hoods?	Yes
34. Is all snow removal at Ballou reimbursable as stated during the pre-proposal conference?	Yes – See RFP- Section 3.9.1.2.1
35. Will the CMC be required to maintain and service the equipment for the painting shop?	Yes
36. Will the CMC be required to maintain and service the equipment for the automotive shop?	Yes
37. Does Ballou High school utilize an irrigation system? If so, what is the Make, Model, and Serial Number?	No
38. When we submit the bid for Ballou, will it exclude the stadium? At what time frame will the adjustment submission be required?	No, please submit bid for Stadium with Bid Proposal for Ballou. Scheduled stadium completion is August 2015. See Contract Drawings (Addendum No. 4) stadium drawings for information.

39. That is the size and quantity of the waste and recycling containers for the building? What is the pickup frequency? Is there specific material that goes in each container?	Trash pick-up frequencies to be determined by CMC vendor.
40. How many generators are there at the building? Please provide the make, model, serial number, KW rating and location of each generator (i.e. roof, outside etc.) Are the generators 208 or 240v?	Model IDLC800-2MU Generac 1000kva
41. How many elevators are in the building? Please provide the make, model. Are there any outstanding inspections/punch list items for these elevators?	3 each, Otis Gen 2 model
42. What is the make and model of the fire alarm panels for the building? How many in the building? How many inspections are required annually?	EST, 3 panels, See RFP for inspection frequency requirement
43. How many fire extinguishers are there at the building?	See Contract Drawings- Addendum No. 4
44. How many sprinkler heads are at the building?	See Contract Drawings- Addendum No. 4
45. How many sprinkler inspections are required at the building annually?	<ul> <li>See Section C.3.6.3.2.2 Fire Alarm Testing</li> <li><b>Delete</b>: a. Perform annual and semi-annual testing of fire alarm systems and provide reporting documentation as requested to the District through the COTR;</li> <li><b>Insert</b>: a. Perform annual testing of fire alarm systems and provide reporting documentation as requested to the District through the COTR;</li> </ul>
46. How many fire pumps are in the building?	1
47. How many stairwells and standpipes are in the building?	13
48. How many pull stations are in the building?	See Contract Drawings- Addendum No. 4
49. Are there any dry pipe systems at the building? If so how many?	Yes, 2
50. Are there any wet pipe systems in the building? If so how many?	Yes, wet pipes are throughout the remainder of building. See Contract Drawings –Addendum No. 4
51. Are there any Ansul systems at either building?	Yes, 2.
52. Are there kitchens that need pest control maintenance? If so, how many and what is the approximate square footage?	Yes. 2 kitchens, 2500 sf and 1250 sf.

3. What is the current onsite staffing ie # of engineers and titles?	Currently there are no onsite Engineers.
54. Who is the current janitorial contractor?	DCPS provides custodial services.
55. Who is the current HVAC provider?	Currently there are no HVAC providers.
56. How many back flow preventers?	6
57. Cooling towers? How many?	(1) 1 Cooling tower with 2 Cells.
58. Who installed and are supplying the warranty for the various equipment? How much time is left on each warranty? (i.e. Electrical, HVAC, EMS, elevators, generator, UPS, fire alarm system, sprinkler, pumps, boilers, etc.)	Builder provides a one (1) year warranty. See O&M Manuals for major equipment warranty periods.
59. Who is the EMS manufacturer?	See Contract Drawings- Addendum No. 4
60. What does the EMS control? (i.e. all AHUs, lights, pumps, chillers, etc.)	See Contract Drawings – Addendum No. 4
61. Are there any kitchen exhaust hoods? How many?	Yes, 3.
62. Who is the current EMS provider?	Currently there is no EMS provider.
63. Irrigation system manufacturer, installer, devices, and types?	See Contract Drawings- Addendum No. 4
64. Area/size of green roof?	There is not a green roof.
55. Current landscape company, installer, and designer?	WH Boyer
66. Area/size of planters (indoor/out), grassy areas, treed area, shrubs, etc?	See Contract Drawings – Addendum No. 4
67. Can DGS provide the reimbursable repair deductible threshold dollar amount for section C.3.20 for Ballou High School?	\$1,500.00
68. What type of flowers and/or plants are used? How much area do they cover?	See Contract Drawings- Addendum No. 4
69. What is the square-footage of the kitchens?	(1) 2500 sf and (2) 1250 sf
70. Who is your current water treatment provider?	ARC Water
<ul><li>71. What type of chemicals does your current water program consist of? How much do you typically consume in a year?</li></ul>	There is not a water program requirement.
72. Is water treatment maintained by a control system? If so, what manufacturer and type?	Yes – ARC Water
73. Are there any escalators? How many? Manufacturer?	There are no escalators in Ballou.

74. What company installed, maintain, and provides the warranty for the court/field?	Master Care Floors, ATT Sports, Field Turf
75. What is the expected contract start date? Contract start date determines which project year price is affected by leap year and inauguration day.	The expected contract start date is mid February 2015.
<ul> <li>76. C.1.2.38 states that, in the event of conflict between requirements, the LEED standard shall control.</li> <li>Section I.10, giving the order of precedence, does not include the LEED standard. Please clarify.</li> </ul>	The order of Precedence in Section I.10 of the RFP lists the contract as #2 in the order of priority. The LEED standards will be included in the contract.
77. C.3.1.1.1.2 states that if thermographic scan has not been performed within the past 3 years, it must be done within the first 6 months of the new contract start. When will the commissioning be complete and is the thermographic scan due in the first 6 months?	Scan will not be due in the first six months.
78. C.3.2.1.2.3.a states that "The District may require the Contractor to add and service additional oil and gas burning system equipment." Will you confirm that the contract will be amended, and the price adjusted, in this eventuality?	The contract will be amended for any additional equipment service.
79. C.3.2.1.2.3.e states that "Replace or repair every component of the oil and gas burning system, at no cost to the District, providing full Preventive Maintenance services and maximizing operating efficiency of the systems". To the extent that the repair or replacement of a single item, or a group of items at the same time, exceeds the threshold, will such work be covered by C.3.20.1.1 or C.3.20.1.2?	Work will only be covered under C.3.20 (1.1 or 1.2) only when it is a repair, not as a part of routine PM.
80. C.3.7.1.1.3.b states that touch-up painting includes spackling and sanding in high traffic common areas, C.3.7.1.1.3.c states that touch-up specifications do not apply to high traffic common areas.	This section is intended to define the touch up painting specification in high traffic areas versus all other areas of the facility. High traffic areas are completely maintained as a part of basic services and all other areas are to be touched up as defined in "c-partial space". <b>Delete</b> C. 3.7.1.1.3.c;
Please clarify.	<ul> <li>Replace:</li> <li>c. Regular touch-up painting including spackling and sanding in other areas of the facility comprises a partial area or space (floor to ceiling not an entire room or both sides of a corridor).</li> </ul>

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81. C.3.8.1.5.1.1.b sets forth the temperature requirement for the building. These requirements differ substantially from the requirements set forth in	Follow Temperature requirement as outlined in Attachment J.9.
Attachment J.9. Please clarify.	
<ul> <li>82. C.3.8.1.5.1.1.g specifies lighting levels that vary by the type of location. Attachment J.9 states that interior lighting "shall meet an illumination goal of an average of 50 foot candles at 36 inches throughout the occupied spaces." Please clarify.</li> </ul>	Follow lighting level requirement as outlined in Attachment J.9.
83. C.3.8.1.8.6 states that the annual PM schedule must be submitted within 10 days after the contract start work date. F.3, item 45 states that it is due within 10 days of the contract award. Please clarify this due date, in light of the fact that the contract award date will precede	<b>Delete</b> : C.3.8.1.8.6 states that the annual PM schedule must be submitted within 10 days after the contract start work date. Annual PM schedule must be submitted within 10 days after the contract start work date.
the contract start date.	
<ul> <li>84. C.3.8.1.8.9 states that a report of equipment with a PM cycle greater than 12 months must be submitted 90 days before the expiration of each option year. F.3 item 48 states that this report must also be submitted within 10 days after contract award. Please clarify this due date, in light of the fact that the contract start date.</li> <li>85. C.3.8.1.0.7.1 states that "The</li> </ul>	PM cycle greater than 12 months must be submitted 90 days before the expiration of each option year.
<ul> <li>85. C.3.8.1.9.7.1 states that "The Contractor shall replace or restore any deficiencies or breakdowns caused by public vandalism, misuse, abuse, or natural disaster." To the extent that the replacement or restoration of any single item, or group of items at the same time, exceeds the threshold, will such work be covered by C.3.20.1.1 or C.3.20.1.2?</li> </ul>	See section C.3.20.3 q.1. Vandalism Repairs

6. C.3.8.2.1.1 describes the	Yes. Such conditions/requests shall be noted on the IDL and agreed
development of the Initial	upon timeframe for comprehensive seasonal inspection shall be agree
Deficiency List (IDL), and states	upon between COTR and vendor.
that the Contractor will have	I
increased liability for the repair of	
items not identified in the IDL.	
However, some systems or items	
are used only seasonally, and any	
deficiencies can only be discovered	
during seasonal operation. This	
includes systems such as the chilled	
water system, etc. For those items	
identified as seasonal during the	
initial development of the IDL, will	
there be an extended period during	
which the Contractor does not have	
increased liability for repairs?	
7. C.3.8.2.10.2 states that the	The Contractor shall be allowed to complete this requirement 90 days
Contractor must transfer property	after contract start date.
records (inspections conducted and	
corrective action taken) into a	
database within 30 days of contract	
award. However, inspections take	
place from the contract start date	
until at least 60 days later (in order	
to compile the Initial Deficiency	
List). Please clarify.	
3. C.3.11.15.3 specifies that the initial	The Contractor will be allowed to complete this requirement 45 days
water quality report and the water	after contract start date.
treatment plan shall be	
incorporated into the Building	
Operating Plan. However, the	
Building Operating Plan is due	
within 10 days of contract award,	
while the two reports about water	
quality and treatment are due 15	
and 30 days, respectively, after the	
contract start date. Please clarify.	
9. C.3.16.1.3.1.c refers to Attachment	Delete: C.3.16.1.3.1.c refers to Attachment J.14 "High Priority Areas
J.14 "High Priority Areas in the	in the Building"
Building". This attachment does	
not appear in the List of	High Priority areas are entrances and main lobbies and administration
Attachments, or on the website.	common area spaces.
0. C.3.17.1.1 lists the required	Yes.
components of a green building	
maintenance proposal, including a	
"Green Cleaning Plan" and "Waste	
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Stream Management". Inasmuch	
Stream Management". Inasmuch as janitorial and waste management	
as janitorial and waste management	
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<ul> <li>91. C.3.17.5.A states that an onsite engineer must have a valid Pool Operator's license. C.19.1.3.2.d requires the Contractor's Chief Engineer to possess such a license. May this requirement be satisfied by another engineer employee of the Contractor having such license? If the Contractor determines that pool maintenance is more efficiently performed by a specialized subcontractor whose employee(s) is so licensed, will the requirement be satisfied?</li> <li>92. C.3.18.2.3 refers to the District's Policy for Mondatory Drug and</li> </ul>	Yes. The requirement may be satisfied by another onsite engineer employed by the contractor. Should the contractor propose the use of a subcontractor to perform the services, the requirement for being onsite as outlined in C.3.17.5A must be met.
Policy for Mandatory Drug and Alcohol Testing of Employees who Serve Children or Youth. This document is not listed in C.1.1 Applicable Documents, and we were unable to locate it online. Will you supply a link to this document?	<u>www.dchr.gov</u> Policy and Procedures, electronic District Personnel Manual, Chapter 39, Issuance 1-39-2
93. Are employees of the contractor required to obtain Child Abuse Clearance?	All contractors shall receive a DCPS background check.
94. C.3.19.1.5.4.2 ends in an incomplete sentence – please clarify.	<b>Insert:</b> but if the screening process takes longer than twenty (20) days, such delay shall not be a cause for extra payment to Contractor.
95. C.3.19.1.9 refers to Attachment J.15, which is not listed in the List of Documents and is not on the website.	<b>Delete</b> C.3.19.1.9 refers to Attachment J.15 <b>Replace with</b> : "The Contractor shall ensure that its staff receives the proper training on building equipment which will be provided by DGS. Training schedule will be provided once award is made.
96. C.3.19.3.4 states that if services require business operations on a holiday, those services shall be treated as regular business operations at no extra cost to the District. Does this mean, for example, that a Thanksgiving football game would require contractor services as if that was not a holiday?	Delete C.3.19.3.4 (ii) in its entirety.
97. C.3.19.4.4 provides for the requirement to provide services during periods of dismissal or emergency, including the possible requirement to have all Contractor personnel report immediately to the site. Please confirm that such situations will be handled as reimbursable services.	No, these situations will not be handled as reimbursable services.

Mark-ups are not allowable for Repairs.
Mark-ups are allowable for Additional Services.
Delete in its entirety: Revision 11 and Replace with Revision 14. See
attachment J.2.
<b>Delete</b> L.15 (b) in its entirety.
Contractor shall determine time period for which contract staff shall be
on site based on the need for building OM&R. See building systems
and descriptions narrative <b>Attachment J. 9</b> (beginning on page 7)
occupancy hours and schedule, also refer to Section C.3.19.3.5 hours
of Operation are the minimum work hours the Contractor shall provide
on-site operating personnel at the Facility. Hours of Operation
generally begin before and extend beyond Normal Occupant Working
Hours.
Yes, see Contract Drawings- Addendum No. 4
Yes
Contractor shall be responsible as a part of base services.
See Attachment J.9 Equipment list and drawings for fuel tank
specifications and size.

105. Is the contractor responsible for the greenhouse?	C.3.8.1.1 The Contractor shall provide building operations services <u>of</u> <u>all student instructional spaces</u> and required Facility systems and maintain utilities services and environmental conditioning of the Facility in order to maintain the readiness and the asset value of Building(s) and its systems.
106. Is the contractor responsible for the culinary arts program equipment? If, so can DGS provide the equipment listing including the mfg., size, etc.	Yes – See Contract Drawings- Addendum No. 4
107. Is the contractor responsible for lab fume hoods? If so can DGS provide the type mfg., number, type hoods and maintenance requirements as per design spec.	Yes – See Contract Drawings- Addendum No. 4
108. Is the contractor responsible for the retention pond? If so, what are the environmental requirements to be maintained?	Yes. Information about the environmental requirements to be maintained can be found at Storm Water Retention Requirements at the DDOE Website: <u>http://dcregs.dc.gov/Gateway/ChapterHome.aspx?ChapterNumber=21-</u>
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109. Is the contractor responsible for	Yes
the playground equipment?	The Contractor I all movids to this and the second
110. Is the contractor responsible for the health clinic? If so, what is the contractors' responsibility?	The Contractor shall provide building operations services <u>of all</u> <u>student instructional spaces</u> and required Facility systems and maintain utilities services and environmental conditioning of the Facility in order to maintain the readiness and the asset value of Building(s) and its systems. Responsibility EXCLUDES medical equipment.
111. Is there an irrigation system? If	Yes, see practice field drawings (\$ deduct may apply pending field
so, can you provide the details for the system?	install type – artificial turf or natural grass)
parking on-site?	Yes. Parking lot will be completed August 2015.
113. Is all snow removal services reimbursable?	Primarily – see RFP- Section 3.9.1.2.1
114. Statement:	
The equipment list provided, Attachment J.10 for Ballou High School lists some of the mechanical equipment however does not include the mfg., size/capacity (i.e. CFM, Tons, HP, etc.) for the listed equipment. Can DGS provide copies of the Mechanical, electrical and plumbing, and Architectural and	See Contract Drawings- Addendum No. 4
structural equipment, systems and	
architectural and structural schedules?	
115. Can DGS provide the following information in the schedules or separately? Mechanical/Plumbing	See Contract Drawings- Addendum No. 4

116. The manufacturer Energy	Pritchett (Yes)
Management/Building Automation	
System? (BAS) being installed	
by Pritchard Controls?	
117. AHU and Exhaust fan (CFM),	See Contract Drawings- Addendum No. 4
118. Cooling tower (model, tonnage,	Evapco UT2122-236 3456 GPM
gallons per minute),	
119. Chill water and sewer ejector	Chilled Water Pump = 50 to 60 HP, 900 to 1800 GPM
pump (HP, capacity, sizes),	Sewage Ejector Pump = $\frac{1}{2}$ HP, 25 GPM
120. The total quantity of filters, by	See Contract Drawings- Addendum No. 4
size and type:	
121. What is the quantity and	There are no water tanks.
capacity of Water Tanks?	
122. Hot water heater size	951 gallons
123. What is the quantity and	The only fuel storage tank is on the generator which is a packaged
capacity of any above ground or	unit. Generac Model# IDLC800-2MU
underground Fuel Oil Storage Tanks?	
124. Valves, by type (i.e. safety,	See Contract Drawings – Addendum No. 4
regulating, manually operated,	See Contract Drawings – Addendum No. 4
motor operated, etc.)	
125. Number of restrooms and the	36 restrooms, 460 fixtures
number of fixtures	
126. Electrical Systems	See Contract Drawings – Addendum No. 4
127. What is the total quantity of	See Contract Drawings- Addendum No. 4
lighting fixtures by number & size	
lamps/tubes and type (i.e. diffuser,	
louver, industrial, LED) and	
location?	
128. What is the total quantity, of	See Contract Drawings- Addendum No. 4
interior special lighting fixtures, by	
type and location?	
129. What is the total quantity of	See Contract Drawings- Addendum No. 4
outside lighting fixtures by type	
(i.e. incandescent, or other:	
sodium, mercury vapor, etc.) and location?	
130. What is the quantity of Motor	See Contract Drawings – Addendum No. 4
Control Centers?	See Contract Drawings – Addendum No. 4
131. What is the quantity of	See Contract Drawings- Addendum No. 4
Disconnect Switches?	bee Contract Drawings Tradendam (0, 1
132. What is the quantity of Motor	See Contract Drawings- Addendum No. 4
Starters, 5 hp to 100 hp?	
133. What is the quantity of	2
Automatic Transfer Switches?	
134. What is the size and quantity of	3 switchboards- (1) 2500 amp and (2) 4000 amp
the switchgears. Are annual three	
year and five year tests required for	
the electrical systems?	
135. Is there a UPS if so, how many,	See Contract Drawings- Addendum No. 4
mfg., modules	
136. Emergency generator mfg., size	Model IDLC800-2MU
type (fuel)	Generac 1000kva

37. Details for the PA system/s.	See Contract Drawings- Addendum No. 4
38. Fire Life Safety Equipment	See Contract Drawings- Addendum No. 4
39. Who is the Fire Alarm and	Fire Alarm - LSSI, National Fire Protection – Sprinkler
sprinkler system mfg.?	
40. What are the fire alarm device	See Contract Drawings- Addendum No. 4
counts, including the number of	
control panels, booster panels,	
enunciators, ceiling smoke	
detectors, above ceiling smoke	
detectors, below-floor smoke	
detectors, manual pull stations, hea	
detectors, duct detectors, flow	
switches, pressure switches, fire	
and smoke dampers, tamper	
switches, horn-strobes, manual	
pull stations, bells, and strobes?	
41. Can you provide a fire sprinkler	Yes
riser diagram?	
42. Is the building fully	Yes
sprinklered? If not, what % are	
sprinklered?	
43. Is there a fire pump to test? If	Yes, 500 GPM
so, what is the make, model and	
size (gpm's)?	
44. Is there a dry pipe sprinkler	Yes, 2.
systems or pre-action sprinkler	
systems? If so, how many of each?	
If pre-action, how many devices	
are associated with each system,	
such as the number of ceiling	
smoke detectors, below-floor	
smoke detectors, manual pull stations, horn-strobes, bells, and	
strobes?	
45. What areas have detectors that	See Contract Drawings- Addendum No. 4
are above 12' that would require a	See Collitaci Diawiligo- Addendulli 190. 4
lift or a ladder to reach? How many	
detectors above 12' are there in	
each building?	
46. How many fire extinguishers in	See Contract Drawings- Addendum No. 4
the building, please list the total	See Contract Drawnigs Tradendam Tto. 1
quantity, size and type?	
47. How many elevators in the	3
building have recall which would	
require testing?	
48. Are there any kitchen fire	See Contract Drawings- Addendum No. 4
systems to inspect/ test in the	
culinary arts kitchen? If so, what is	
the make, model and size of each	
system (for example Ansul R102- 3	
gallon)?	

149. What type of scheduling coordination will be required to test the fire alarm, sprinkler, suppression systems or portable fire extinguishers?	Contract shall coordinate with the COTR for best time to perform suctests.
150. Elevators and escalators	Yes, 3 elevators and 0 escalators
151. Who is the manufacturer, How many?	Otis Gen 2
152. What type of elevators, where are they located?	Otis Gen 2
153. Architectural and Structural	See Contract Drawings- Addendum No. 4
154. What is the total quantity of Overhead Doors, by type (i.e. manual or power operated)?	13
155. What is the quantity of fire doors, by type (i.e. swinging or sliding)?	See Contract Drawings- Addendum No. 4
156. Type and number of doors and hardware, etc.	See Contract Drawings- Addendum No. 4
157. Square Footage and type of roof/systems	See Contract Drawings- Addendum No. 4
158. Number and type of docks	1 loading dock; full access elevated loading dock
159. Square feet of glass (lites)	See Contract Drawings- Addendum No. 4
160. Will the contractor be	Yes. Grounds maintenance including lighting shall be the
responsible for the maintenance of the parking lots? If so, when will they be completed?	responsibility of the contractor; see Contract Drawings for detailed information. Parking lot construction is scheduled for completion August 2015.
161. Will maintenance of the retention ponds be the responsibility of the contractor? If so, when will maintenance commence?	Yes. Maintenance shall commence on April 1.
162. When will contractor assume responsibility for landscaping?	Landscaping will be completed in August 2015; see drawings for detailed information. Contractor shall assume responsibility upon completion.