

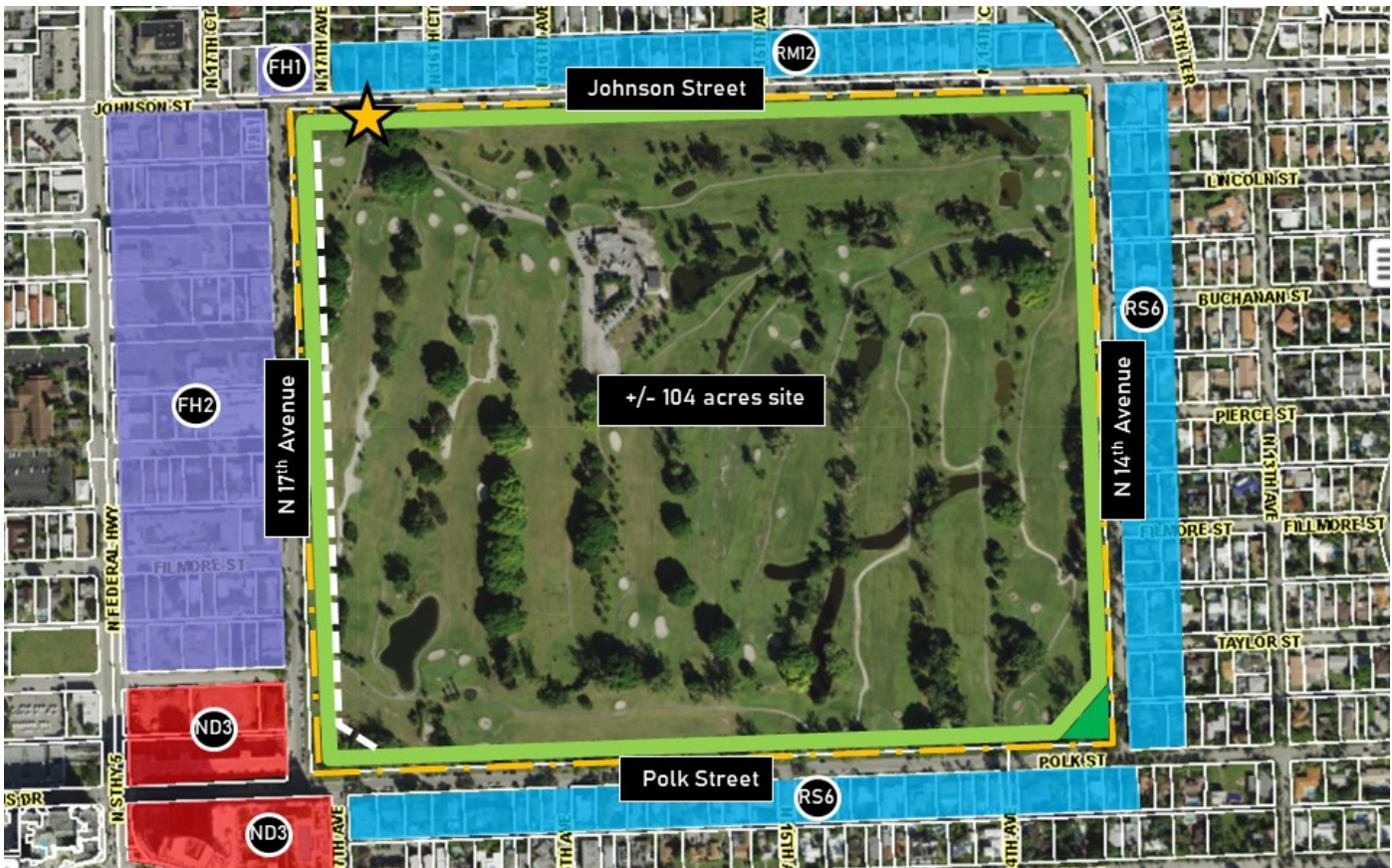
HOLLYWOOD BEACH GOLF COURSE & CLUBHOUSE SCOPE OF WORK CITY OF HOLLYWOOD

04.02.2021

PART A - PROJECT DESCRIPTION

Background

The City's voters approved a \$12,798,726.00 General Obligation Bond to renovate the Hollywood Beach Golf course that includes the construction of a new clubhouse. The championship par-70 18-hole golf course was originally designed in 1924. The 104-acre parcel is bounded to the east by north 14th Avenue, to the west by north 17th Avenue, to the north by Johnson Street, and to the south by Polk Street. The residential "edges" along Polk Street and North 14th Street facing the property are the limits of the historic preservation district in this part of Hollywood, although the property itself is not within the Historic Preservation District. The renovation project intends to retain as much of the original design as possible and restore the design intent by replacing a new clubhouse at its original location at the southwest corner of the property. The existing cart and pro-shop will be removed and replaced with a new cart barn and maintenance facility to be located along north 17th Avenue.



Project Vision

The Project is located at 1650 Johnson Street, in the City of Hollywood. The work that shall be accomplished under the contract includes, as outlined in this scope includes (5) five phases of work including, Phase 1 Programming, master plan, site plan, and schematic design, Phase 2 Design development, Phase 3 Construction documents, Phase 4 Bidding, and phase 5 Construction administration. Our scope includes a new clubhouse that will pay homage to the original Spanish-style architecture based upon the 1924 original design by Martin L. Hampton and a new parking lot in the Southwest corner of the property. Services will also include the creation of a new plan for site drainage and raising the east side of the golf course to allow faster recovery after rain events, as well as the design of a new golf course maintenance and restroom building, renovation of site landscaping, and irrigation.

The design team will be working very closely with Richard Mandell (RMGA), the awarded Golf Course Architect hired separately by the City. There will be a seamless integration in the work prepared by the design team with RMGA's team, and the deliverables provide to the city throughout this entire project shall be a single set of unified documents. As defined in this scope for work, the design team will supervise all required site work and the construction of a perimeter multi-use path on the north and west sides of the property and this project will seek LEED certification for the clubhouse facility, following requirements in the City Code of Ordinances.

The renovations of golf course features (tees, fairway shaping, bunkers, greens, etc.) shall be designed by RMGA in close coordination with the entire design team.



It should be noted that when “BA” is used in this proposal, it includes not only Bermello Ajamil & Partners, Inc. but all consultants that are part of the entire BA team for this project and all work associated with this scope and fee proposal. Our team comprises the following firms and their specific role:

FIRM	ROLE/RESPONSIBILITY
BA	Project Management, Architecture, Interior Design, and (limited) Landscape Architecture
Miller Legg	Civil Engineering
Delta-G	MEP/ FP Engineering, and (limited) Low Voltage/IT
Bliss Nyitray	Structural Engineering
Camacho USA	(Limited) Food and Beverage design
Energy Cost Solutions Group	LEED
The Bosch Group	Limited Cost Estimating
ATC Group	Geotechnical Engineering
GPSDesign, LLC	Boundary/Topographic Surveying
RMGA	*Golf Course and Landscape Architecture & Irrigation (*contracted directly by the city)

In addition to our close coordination with RMGA’s team, BA shall develop a close working relationship with the city, project managers, and awarded CM@Risk (CMR) throughout the entire duration of the project to ensure the project evolves and progresses with full participation and support to design and transform the Hollywood Beach Golf Club into a premier destination for the city of Hollywood. To achieve this BA will establish a seamless communication protocol between the city, design team, golf course Architect, project managers, and contractor regularly, with regards to the distribution of the drawings/design documents, and established stakeholder team meetings. Our goal is to craft a creative, collaborative working environment to keep the project on budget, schedule, and meeting the city’s goals and vision.

The project will be designed and permitted as a single-phase, single permit set. The design and permitting will be prepared jointly between the BA and RMGA with each team member responsible for signing and sealing their drawings applicable to their expertise/portion of the project.

PART B – BASIC SERVICES SCOPE OF WORK

PHASE 1 – PROGRAMMING, MASTER PLAN, SITE PLAN, AND SCHEMATIC DESIGN

1.1 Kick-Off Meeting

The design Team shall confer with representatives of the Department of Design and Construction Management and with other project design team s as necessary to review and establish the program, consisting of a detailed listing of all functions, scope of work, inventory of existing conditions, project vision, requirements and goals, project limits and uses together with each assignable space, image, theme, and design vocabulary.

The BA team will attend a kick-off meeting with key stakeholders at the City of Hollywood. During the meeting the requested data, if available, will be reviewed and disseminated. BA will prepare a master schedule for the project showing all the milestones. Identify all relevant codes, zoning regulations, standards, and guidelines that may apply to the Project. This meeting will also confirm the programming goals and requirements of the city envisions.

1.2 Site Plan Design Concept/Schematics

The design Team shall prepare and present, for approval by the City, a Site Plan, Design Concept, and Schematics Report, comprising the Schematic Design Studies, including an identification of any special requirement affecting the Project, a Project Development, and Schedule.

1.2.1 Programming

The design team shall collect all necessary drawings and information needed to plan and design the project by visiting the site and informing the city of such requirements.

A collaborative meeting between the appropriate representatives of the city, design team, golf course architect, golf operator, will be organized around the Clubhouse Program Outline. The purpose of the meeting will be to create a detailed design program, the architectural program elements that will make up the golf clubhouse design. To the extent that it is the objective of the project, a preliminary report on the environmental sustainability of the project and the goals toward sustainability will be included.

1.2.2 Planning and Concept Design

Based on the agreed-upon Program for the clubhouse and related facilities, the design team develops several alternative clubhouse site concepts and clubhouse block plans. In response and coordination with the golf course Architect and layout, the design team will provide clubhouse alternative studies recognizing the function of the buildings in relationship with access, parking, service, vistas, golf, and amenities. Golf support will address the relationship of the clubhouse to the starting and finishing holes, practice area, bag drop, cart staging, return, and cart storage. The work product of this stage would be a series of studies and presentations with block plans of the clubhouse elements superimposed on the architectural site plan. The city and design team will select a Preferred Concept from the alternatives. This phase will occur primarily during the first site visit and requires the input of all parties involved in the collaborative meeting. The design team shall initiate the conversation of the appropriate architectural style(s) for the project through discussions and presentation of inspirational images and photographs of buildings and spaces that represent the desired "mood", in conjunction with the city's desire to pay homage to the original 1924 Martin L. Hampton clubhouse design. Included in this design is the inclusion of the clubhouse main entry sign.

The design team will take the functional concept as illustrated with block diagrams and selected from the alternatives and develop it in the third dimension to study and express the appropriate architectural concept. An architectural character appropriate to the clubhouse location will be created. The work product of this effort will be Conceptual Floor Plans, Roof Plans, a Site Concept Plan, Exterior Elevations, building sections, a storyboard of inspirational images, and a Sketchup Model to be presented to the city of Hollywood. An 11x17 size booklet that captures the work product will be presented after this phase.

1.3 Schematic Design

The Schematic Design Studies shall consist of site and floor plans, elevations, sections, etc. as required by the Project Manager and shall show the scale and relationship of the parts and the design concept of the whole. The Project Development Schedule shall show the proposed completion date of each phase of the project through planning, design, permitting, bidding, construction, and proposed completion dates. The

design Team shall submit three copies of all documents required under this Phase, without additional charge, for approval by the City, and the design Team shall not proceed with the next step in this Phase until the documents have been approved by the City and an Authorization to Proceed with the next steps in the phase has been issued.

1.4 City Submission for Review

The design Team shall submit copies as required to obtain plat approval if required, Site Plan Approval from the Planning and Zoning Board, and or City Commission if required. The design Team shall make presentations of the project to the General Obligation Bond Advisory Board, Pre-Application Conceptual Oversight Committee, Technical Advisory Committee, Planning and Zoning Board, City Commission, and other public meetings as needed. A minimum of five and a maximum of seven such public meetings are anticipated, rendered site plans, elevations, 3D elevations, and color presentations will be required for this Phase. The design Team shall make revisions as needed to obtain Site Plan approval and a change of use.

The design Team shall record comments and suggestions, prepare meeting minutes, and provide written responses to all comments, including information about why the comment/suggestion was or was not incorporated into the design. These responses will be included in the 60% plans presentation.

1.5 Cost Estimate

(1) One Statement of Probable Construction Cost shall be prepared as part of the Schematic Design phase by BA and include a summary of the estimated cost of the mechanical, electrical, and plumbing elements, professional fees, construction contingency allowance, escalation factors adjusted to the estimated bid date, movable equipment (if any), contingencies (if any), utility service extensions (if applicable), and funding allocation evaluation comprising a brief description of the basis for estimated costs (similar projects) with square foot costs adjusted to bid date, and a preliminary evaluation of the program and the allocated construction funds in terms of each other.

1.6 LEED Certification goals

The design team shall provide documents detailing LEED certification goals and an outline of how to achieve desired certification level.

1.7 Meetings

Attendance at bi-weekly design progress meetings will be required. These meetings will be held via conference call unless the City determines that an in-person meeting is required to address a particular concern. No additional compensation will be provided if any meetings are held in person

PHASE 2 - DESIGN DEVELOPMENT

2.1 Design Development

From the approved Schematic Design documents, the design Team shall prepare and present, for approval by City, an updated project design and permitting schedule, Design Development Documents, comprising the drawings, 3-dimensional renderings, contextual perspective renderings, traffic/drainage studies, and associated comprehensive multi-disciplinary studies, outline specifications and other documents to delineate and describe the size and character of the entire Project as to mechanical, electrical and plumbing engineering design, construction and finish materials and details and other items incidental thereto, feedback and resubmittal to the governing agencies, written responses to concept plan comments and as required by the Project Manager.

2.2 City Submission for Review

The design team submits three sets of all documents required under this Phase, without additional charge, for approval by the City, and the design Team shall not proceed with the next Phase until the City has approved the documents.

2.3 GOB Advisory Board, Preparation and Presentations

Attendance at one GOB Advisory Board Meeting and at least two public meetings will be required, besides, the preparation and presentation of a PowerPoint presentation including updated renderings and project information shall be included. The design team must provide written responses to all comments from the initial GOB Advisory Board presentation, including information about why the comment/suggestions were or were not incorporated into the design. Design team to prepare meeting minutes and provide written responses to all comments for every meeting.

2.4 Meetings

Attend bi-weekly design progress meetings. These meetings will be held via conference call unless the City determines that an in-person meeting is required to address a particular concern. No additional compensation will be provided if any meetings are held in person.

2.6 Preliminary Submittal meeting for permitting.

All required preliminary submittals for project permitting, including any required permit coordination meetings, plan revisions, and re-submittals. For City of Hollywood permits, DCM will pay through interoffice transfer. For outside agencies, the design team will pay any review fees and will be reimbursed upon submittal and approval of expense documentation.

2.7 Utility Coordination

The design team will ensure that all required utility coordination relevant to this project.

2.8 Value Engineering (30% plans)

Value Engineering beginning at 30% plans if the construction cost estimate is more than 95% of the construction budget.

PHASE 3 CONSTRUCTION DOCUMENTS

3.1a 60% Construction Documents – Development

From the approved Design Development Documents, the design Team shall prepare for approval by City, and following City's format, Construction Documents setting forth in detail the requirements for the construction of the Project following the specification as required by the Project Manager. The design team is responsible for full compliance of the design and the Construction Documents with all applicable codes. The design team shall make a 60% Construction Documents submittal, for approval by the City, which shall include three sets of prints of all drawings and electronic submittal of all drawings and specifications, perspective, and visual supporting graphic information as required by the Project Manager.

3.1b 60% Construction Documents – Drawing index percentage completion

A complete index of every drawing sheet, to become part of the Construction Documents, and the design team's evaluation of the individual percentage completion of each sheet.

3.1.c 60% Construction Documents – Specifications

Preparation of the Specifications, using CSI Standards, including the 16-Division and 3-part Section format developed and recommended by the Construction Specifications Institute or other industry acceptable specification format as approved by the Design and Construction Management Department representative. The 60% construction documents submittal shall include all sections of applicable Divisions "0" (zero) and "1" and at least 60% of the technical specification sections, each of which should be 100% complete. These specifications should not be merely outlined specifications as submitted during the Design Development Phase.

3.2 City Submission for Review

An Authorization to Proceed with the completion of the Design Development Phase will not be issued if the latest Statement of Probable Construction Cost (prepared by the awarded CM@Risk) exceeds the Total Authorized Design Value unless the City increases the Total Authorized Design Value or the design team and the City agree on methods of cost reduction sufficient to enable construction within the funds available. Where applicable, approved additive alternate bid items in the Construction Documents to permit the City to

award a Construction Contract within the limit of the budgeted amount. The design Team shall not proceed with further development until approval of the 60% documents is received from the City. The design Team shall make all changes to the documents and resolve all questions indicated on the documents. The 60% complete Check Set shall be returned to the City.

3.3 a 100% Construction Documents – Development

Upon 100% completion of the Construction Documents, the design Team shall submit to the City three copies each of check sets of the Drawings, Specifications, reports, programs, etc., together with a final, Statement of Probable Construction Cost (prepared by the awarded CM@Risk contractor).

3.3 a 100% Construction Documents – Client refinements

The design Team shall make all required changes or additions and resolve all questions on the documents. The 100% complete Check Set shall be returned to the City. Upon final approval by the City, the design team shall furnish one copy of all Drawings and Specifications, along with a reproducible set and an electronic copy to the City without additional charge.

3.3 a 100% Construction Documents – Permit Submittal

The design team shall assist the City in filing the required documents for approval by governmental authorities having jurisdiction over the Project and in obtaining certifications of "permit approval" by reviewing authorities before printing the Bid Documents. The design team shall make the original documents or reproducible copies thereof available to the City for the reproduction of additional copies as may be required for bidding and/or construction purposes. Facilitating a Public Workshop or a City Commission workshop may also be required.

PHASE 4 – BIDDING AND AWARD OF CONTRACT

4.1 Bid Documents Approvals and Printing

Upon obtaining all necessary approvals of the Construction Documents, and approval by the City of the latest Statement of Probable Construction Cost (prepared by the CM@Risk), the design team shall assist the City, where applicable, in obtaining bids and awarding construction contracts or coordinating with the Construction Manager for the same. The City may have the drawings and specifications printed for bidding purposes, either through its open agreements with printing firms or as a reimbursable service through the design team.

4.1 Bidding conditions

If the lowest responsive, responsible Base Bid received, or the Construction Manager's Guaranteed Maximum Price (GMP), exceeds the Total Authorized Design Value, the City may:

1. Approve the increase in Project cost and award a contract, or
2. Reject all bids and rebid the project, or if a Construction Manager is being utilized, reject the proposed GMP and negotiate with another Construction Manager, within a reasonable time with no change in the Project, or
3. Direct the design Team to revise the Project scope or quality, or both, as approved by the City, and rebid the project, or
4. Suspend or abandon the Project.

NOTE: Under item (3) c. above, the design Team shall, without additional compensation, modify the Construction Documents as necessary to bring the Probable Construction Cost (prepared by the awarded CM@Risk contractor) within the budgeted amount. The providing of such service shall be the limit of the design team's responsibility in this regard, and having done so, the design Team shall be compensated following the contract. The City may recognize exceptional construction market cost fluctuations before exercising option (4.1.3) c. above.

If the Latest Statement of Probable Construction Cost (prepared by the awarded CM@Risk contractor) exceeds the budgeted amount, the design Team shall review the materials, equipment, component systems, and types of construction included in the Contract Documents and may recommend changes in such items and/or reasonable adjustments in the scope of the Project (to be made at no additional cost to the City) that will result in bids within the available funds.

PHASE 5 - CONSTRUCTION SERVICES

5.1 Construction Services

The Construction Phase will begin with the award of the Construction Contract and will end when the City approves the Contractor's Final Payment Certificate. During this period, the design Team shall provide the Administration of the Construction Contract as outlined in the General and Supplementary Conditions of the Construction Contract.

The design team, as the representative of the City during the Construction Phase, shall advise and consult with the City and shall have authority to act on behalf of the City to the extent provided in the General Conditions and the Supplementary Conditions of the Construction Contract.

5.2 B-Weekly meetings

The design team shall visit the site at least bi-weekly (or as necessary), and at all key construction events, and the design team's respective sub-design team (s) shall visit the site bi-weekly (or as necessary), to ascertain the progress of the Project and to determine in general if the work is proceeding following the Contract Documents. Based on on-site observations, the design Team shall endeavor to guard the City

against defects and deficiencies in the work. The design team will not be required to make extensive inspections or provide continuous daily on-site inspections to check the quality or quantity of the work unless otherwise outlined in the contract.

The design team will not be held responsible for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the Work, nor will the design Team be held responsible for the Contractor's or Subcontractors', or any of their agents' or employees' failure to perform the Work following the Contract Documents.

5.3 Bi-Weekly reports

The design Team shall furnish the City with a written report of all observations of the work made by the design team and the sub-design team (s) during each visit to the Project. The design team shall also note the general status and progress of the work and submit it promptly. The design team and the sub-design team (s) shall ascertain that the Contractor is making timely, accurate, and complete notations on the "as-built" drawings.

5.4 Review of Pay Applications

Based on observations at the site and consultation with the Project Manager, the design team shall determine the amount due to the Contractor on the account and shall recommend approval of such amount. This recommendation shall constitute a representation by the design Team to the City that, to the best of the design team's knowledge, information, and belief, the Work has progressed to the point indicated and the quality of the Work is following the Contract Documents subject to:

An evaluation of the Work for conformance with the Contract Documents upon Substantial Completion.

The results of any subsequent tests required by the Contract Documents.

Minor deviations from the Contract Documents correctable before completion.

Any specific qualifications stated in the Payment Certificate and further that the Contractor is entitled to payment in the amount agreed upon at the requisition site meeting.

By recommending approval of a Payment Certificate, the design Team shall not be deemed to represent that the Consultant has made any examination to ascertain how and for what purpose the Contractor has used the money paid on account of the Construction Contract Sum.

The design Team shall be an interpreter of the requirements of the Contract Documents and the judge of the performance thereunder. The design Team shall render interpretations necessary for the proper execution or progress of the Work with reasonable promptness on the written request of either the City or the Contractor and shall render written decisions, within a reasonable time, on all claims, disputes, and other matters in question between the City and the Contractor relating to the execution or progress of the work or the interpretation of the Contract Documents.

Interpretations and decisions of the design Team shall be consistent with the intent of, and reasonably inferable from, the Contract Documents and shall be in written or graphic form. In the capacity of an interpreter, the design Team shall endeavor to secure faithful performance by both the City and the Contractor and shall not show partiality to either.

The design team shall have the authority to recommend rejection of work that does not conform to the Contract Documents. Whenever, in the design team's reasonable opinion, it is necessary or advisable to ensure compliance with the Contract Documents, the design Team will have authority to recommend special inspection or testing of any work deemed to be not following the Contract, whether or not such work has been fabricated and delivered to the Project or installed and completed. The design Team shall provide such normal mechanical, electrical, structural, landscape, or other related inspection expertise as necessary to determine compliance with the Construction Contract.

5.5 Shop Drawings/Submittals

The design Team shall promptly review and approve shop drawings, samples, and other submissions of the Contractor for conformance with the design concept of the Project and compliance with the Contract Documents. The design Team shall prepare color boards or illustrative renderings to review the color selections, landscape/lighting/hardscape site furniture, material palette, for all finish materials with the Director of the Department of Design and Construction Management and furnish the approved colors to the Contractor promptly so as not to delay the construction progress. Changes or substitutions to the Contract Documents shall not be authorized without the concurrence of the Project Manager.

5.5 Change Orders

The design Team shall initiate Change Orders for the City's approval as required by the design team's observations or requested by the City; and review and recommend action on proposed Change Orders within the scope of the Project initiated by others.

5.5 Substantial Completion

The design Team shall examine the Work upon receipt of the Contractor's Request for Substantial Completion Inspection of the Project and shall, before occupancy, recommend execution of a Certificate of Acceptance for Substantial Completion after first ascertaining that the Project is substantially completed following the Contract requirements. A punch list of any defects and discrepancies in the Work required to be corrected by the Contractor shall be prepared by the design Team and the sub-consultant in conjunction with representatives of the City, and satisfactory performance obtained thereon before the design Team recommends execution of a Certificate of Final Acceptance and final payment to the Contractor. The design Team shall obtain from the Contractor all guarantees, operating and maintenance manuals for equipment,

releases of claims, and such other documents and certificates as may be required by applicable codes, laws, and the specifications, and deliver them to the City.

5.6 City Support of O&M Documents, procedures, etc.

The design Team shall help in obtaining the Contractor's compliance with the Contract Documents relative to 1) initial instruction of City's personnel in the operation and maintenance of any equipment or system, 2) initial start-up and testing, adjusting, and balancing of equipment and systems and 3) final clean-up of the Project. The design Team shall furnish to the City, the original drawings, revised to "as-built" conditions based on information furnished by the Contractor, and such drawings shall become the property of the City. The design team shall monitor the construction progress of LEED Certification plan items; ensure that project is on track and meet all expected LEED requirements. File all expected LEED certification of application documents and remain involved in the LEED process until the project received an agreed-upon level of LEED certification.

PART C - COMPENSATION

The Lump Sum fees for Basic Design Services are as follows:

Phase 1 – Programming, MP, SP, and Schematic Design	\$182,250.00
Phase 2 – Design Development	\$180,120.00
Phase 3 – Construction Documents	\$230,780.00
Phase 4 – Bidding and Award	\$12,185.00
Phase 5 – Construction Services	\$173,140.00
Expense Allowance	\$1,850.00
Total	\$780,325.00

Note this lump sum fee does not include fees from RMGA.

The following specialty services are included in the total above:

Surveying Services	\$52,000.00
Geotechnical Testing	\$10,955.00

PART D – EXCLUSION/SERVICES NOT INCLUDED

The following services are not included in this Scope and shall be provided by BA as an additional service if requested:

1. Perimeter greenway/pathway / car-path will cover approximately 8,800 linear feet of asphalt trail within the N 17th Ave and Polk Street rights-of-way and will include no specialty paving (design by others, not included in this scope).

2. The design route by others for the proposed perimeter greenway/pathway / car-path shall avoid existing above and underground utilities. Removal/relocation of existing utilities is not included as part of this scope.
3. The perimeter greenway/pathway improvements will be prepared as a stand-alone set of documents (by others, not included in this scope).
4. Lift Station Design
5. Lighting Protection
6. Lighting Detection
7. IT/LV design shall be prepared to meet the minimum required for a permit only. Additional design and engineering shall be prepared by the awarded IT/LV consultant through the awarded CM@Risk contractor.
8. All F&B design beyond the design development phase shall be prepared by the awarded F&B consultant through the awarded CM@Risk contractor.
9. All cost estimating beyond Phase 1 shall be prepared by the awarded CM@Risk contractor.
10. Additional meetings to the meetings described in this proposal.
11. Land-use changes, rezoning, or special use permits
12. Threshold inspection (as this is understood not to be required)
13. Material testing
14. Any sub-surface structures, utilities, improvements on the golf course (unknown)
15. Golf course bridge design/engineering
16. Any structural engineering beyond the buildings, and main entrance sign. It is anticipated that the ancillary structures shall be pre-engineering buildings.
17. Purchasing or procurement
18. Any studies, reports and/or permitting associated with any hazardous materials, etc.
19. Aerials, underground mapping
20. All Signage except for interior building signs and the main entry clubhouse sign
21. CAD or .dwg produced files of Contractor-provided as-built plans.
22. Bid tabulation form or calculations, addenda during bidding

PART E - HOURLY RATE SCHEDULE

BA – (Project Management, Architecture, Interior Design, limited Landscape Architecture)

Sr. Project Manager	\$210.00
Project Manager	\$190.00
Sr. LA/Planner	\$190.00
Sr. Architect/I.D.	\$190.00
Sr. Engineer/Planner	\$190.00
Sr. Inspector	\$125.00
Architect	\$130.00
Engineer	\$130.00
Interior designer	\$100.00
Landscape Architect	\$130.00
Landscape Designer	\$115.00
Spec writer	\$96.00
Inspector	\$95.00
CAD tech	\$90.00
Clerical	\$70.00

Miller Legg – (Civil Engineering)

Project Admin/Tech.	\$75.00
Specialist	\$95.00
Senior Specialist I	\$115.00
Senior Specialist II	\$135.00
Senior Specialist III	\$155.00
Designer I	\$90.00
Designer II	\$100.00
Senior Designer	\$120.00
Engineer I	\$115.00
Engineer II	\$140.00
Engineer III	\$170.00
Senior Engineer	\$195.00
Biologist/Scientist I	\$80.00
Biologist/Scientist II	\$110.00
Senior Bio./Sci. I	\$145.00
Senior Bio./Sci II	\$165.00
Principal	\$245.00
Senior Principal	\$325.00
Expert Witness	\$325.00

Delta-G (Mechanical, Electrical, Plumbing and Fire Protection Engineering, and limited IT/LV Design)

Principal	\$200.00
Project Manager	\$175.00
Sr. Engineer (P.E.)	\$165.00
Engineer (P.E.)	\$150.00
Senior Designer	\$125.00
Designer	\$105.00
CADD Technician	\$85.00
Clerical	\$75.0

Bliss Nyitray (Structural Engineer)

Principal	\$225.00
Project Manager	\$175.00
Project Engineer	\$150.00
Engineer	\$120.00
CAD Manager	\$115.00
CAD Operator	\$85.00
Administrative	\$65.00

Camacho USA (Limited Food and beverage design)

Project Principal	\$215.00
Project Manager	\$180.00
QC Coordinator	\$125.00

Project Coordinator	\$115.00
Revit Operator	\$95.00
Specifications Writer	\$90.00
Admin Coordinator	\$80.00

ECSG (LEED Consultant)

Project Managers	\$65.00
Engineering Comm.	\$125.00
Energy Modeling	\$85.00
Principle	\$125.00

The Bosch Group (Cost Estimating for Phase 1 only)

Principal	\$175.00
Sr. Cost Estimator	\$95.00
Cost Estimator II	\$90.00
Cost Estimator I	\$85.00

ATC Group (Geotechnical Engineering)

Field Testing and Inspection Personnel

Soil/Earthwork Technician	\$55.00
Concrete Technician	\$55.00
Asphalt Technician (Field observation & testing)	\$55.00
AWS Certified Welding Inspector (visual)	\$95.00
AWS Certified Welding Inspector (ultrasonic)	\$105.00
Special Inspector (reinforcing)	\$75.00
Senior Roofing Technician	\$75.00
Floor Flatness/Levelness Testing	\$550.00

Laboratory Testing Services

Compressive Strength Testing of Concrete (5 cyl/set)	\$10.00/cylinder
Compressive Strength Testing for Masonry Prisms (4 per Set)	\$20.00/prism
Density Tests (Nuclear Gage)	No Charge
Gradation (sieve analysis)	\$95.00/test
Natural Moisture Content	\$10.00/test
Organic Content	\$30.00/test
Moisture Density Relationship (Proctor test)	\$100.00/test
Coring of Asphalt Pavement and Lab Density Test	\$120.00/core
Limerock Bearing Ratio (LBR)	\$300.00/test

Professional Services

Principal Engineer (Meetings & Consultations)	\$180.00
Sr. Geotechnical Engineer (Site Inspections)	\$140.00
Florida Register Professional Engineer (Review Reports)	\$125.00
Project Manager	\$115.00
Clerical Services	\$40.00

(see RMGA separate proposal for their schedule of hourly rates as per their contract directly with the city)

PART F – SCOPE FOR REFERENCE

The following is additional information and details regarding the following services that are included in this scope and fee proposal:

- 1. Site Boundary and Topographic Survey**
- 2. Geotechnical Engineering**
- 3. LEED Certification**
- 4. Food and Beverage**

1. SITE BOUNDARY AND TOPOGRAPHIC SURVEY

Site Boundary and Topographic Survey

- Title commitment, including all documents listed in exceptions, will be provided by the Client.
- The survey will be based on the legal description provided by the Client.
- Tree survey – each tree will be located and cataloged by size and type; 2 inches and greater diameter (dbh at 54" above grade). each tree will be identified by a number on the survey and its center scaled positionally on the survey. a tree legend will be a part of the survey showing its number, diameter size, and type. tree types are determined to the best of our knowledge and may reflect a common name or species.
- Two (2) foot contours with six-inch accuracy for steep grade sites. One (1) foot contour with six-inch accuracy for essentially flat sites.
- The location of underground utilities is based on on-site observation only.
- The golf course features green, tee, fairway, bunkers, cart path, and tree canopy.

Subsurface Utility Engineering (SUE) Services

- SUE services will only be provided in the Southwest area of the course where the proposed clubhouse is to be located, clubhouse entry, and existing clubhouse/ maintenance barn, and select locations at points of connection to the existing stormwater system.
- Utility designation is being provided to prevent the likelihood of damage during excavation and/or provide design information.

- Results are dependent upon field conditions at the time of locating services.
- American Public Works Association (APWA) standards are used for marking.

2. GEOTECHNICAL TESTING

The following outlines the scope for geotechnical services:

- Layout soil borings and clear public underground utilities with Florida Sunshine (811).
- Mobilize truck-mounted drill rig equipment and crew to the job site.
- Perform three (3) Standard Penetration Test (SPT) borings to a depth of 25 feet below existing grade (bgs) within the clubhouse footprints
- Perform four (4) SPT soil borings to a depth of 15 feet bgs for the parking areas.
- Perform two (2) Percolation Tests to determine the hydraulic conductivity value (K) for drainage design. The percolation tests will be in general accordance with South Florida Water Management District (SFWMD) procedures for "Usual Open-Hole Constant Head".
- Perform five (5) SPT soil borings to a depth of 10 feet bgs throughout the golf course area, if needed, to explore the subsurface soil conditions and evaluate if any deleterious material exists.
- Soil sampling will be performed in general accordance with ASTM D 1586, entitled "Standard Practice for Standard Penetration Tests".
- Visually classify soil samples and identify Soil stratification.
- Perform laboratory testing on selected soil samples, at the discretion of the geotechnical engineer, to aid in the soil characterization.
- The results of the soil test borings will be presented in the form of a Test Boring Record (boring logs) which will contain a description of the subsurface materials and the depths at which they were encountered, their standard penetration resistance, and the groundwater levels measured at the time of boring completion.
- Results of the field subsurface exploration, and potential laboratory testing programs, will be evaluated to provide geotechnical recommendations for the foundation design. The report will include but not be limited to the following:
 - Site location map and soil boring locations.
 - Soil stratification and test boring logs for each soil boring. The boring logs will present the relative density of soils (N-value), material description, and depths of each layer.
 - Depth of groundwater encountered at the time of drilling.
 - Hydraulic conductivity values (K-value)
 - Foundation recommendations: based on the known geology of the site, we expect to include shallow foundation recommendations with the allowable soil bearing capacity.
 - Pavement design recommendations.
 - Construction guidelines for earthwork operations, including site preparation, excavation and fill placement guidelines, and specifications for acceptable fill materials.

3. LEED CERTIFICATION

The LEED scope shall include being the "Point of Contact" for coordinating, organizing, and assisting in the Implementation of LEED criteria. (Design and Construction Phase). It will include organizing and facilitating LEED charrettes in collaboration with the city of Hollywood. This includes: (Design Phase)

- Facilitate the charrettes in concert with the contractor, design team, and owner.
- Develop agendas in concert with the contractor, design team, and owner.

- Recommend participants.
- Moderate each meeting.
- Develop and route minutes.
- Track assignments.
- Capture ideas, notes, drawings, plans, etc. - distribute when necessary.
- Track and report status and activity of LEED credits with regards to inclusion in plans and implementation on site. (Design and Construction Phase)
- Develop a comprehensive LEED Plan to detail the credits being targeted, the credit requirements, the strategies to
 - meet the credit requirements, the action steps required, and the responsible party. (Design Phase)
- Develop a LEED Schedule. (Design Phase)
- Provide consultation to the project's major systems design teams regarding: (Design Phase)
 - Design, methods and, materials
- Additional Expertise with regards to LEED certification
- Online registration with the United States Green Building Council. (USGBC) (Design Phase)
- Development, coordination, and tracking of LEED action items with the design teams throughout all Phases using the LEED Plan. (Design and Construction Phase)
- Conduct materials and systems research for LEED credits. (Design Phase)
- Assist responsible parties in LEED calculations for Site, Water, Energy, Material, and IEQ Credits. (Design Phase)
 - Develop and upload LEED site plan to achieve appropriate Site Credits
 - Upload Erosion and Sediment Control (ESC) Plan provided by Civil
 - Track implementation of ESC for the life of the job
 - Confirm and upload appropriate refrigeration calculations
 - Develop and upload Flush and Flow Fixture Calculations
 - Develop and upload irrigation water use calculations
 - Compile and upload construction and demo waste diversion data
 - Compile and upload construction material cost and sustainable criteria data
 - Develop and upload Indoor Air Quality Management (IAQ) Plan
 - Track, document and upload ongoing IAQ reports
 - Confirm and upload ventilation calculations
- LEED credit interpretation reviews and/or submissions to the USGBC. (Design and Construction Phase)
- Assist in the development and /or review of LEED-specific specification language for materials, equipment,
 - submittal procedures, Construction Waste Management, and Construction Indoor Air Quality Management.
- (Design and Construction Phase)
- Train contractors and subcontractors on LEED requirements and LEED record keeping. (Design Phase)

- Assist Contractor in the sourcing of materials to meet LEED requirements. (Design and Construction Phase)
- Facilitate, moderate and coordinate LEED and related meetings as necessary throughout the construction phase. (Design and Construction Phase)
- Review of Contractor submittals for LEED compliance/Tracking of LEED credits. (Design and Construction Phase)
- Responsible for coordinating the assembly of the LEED Documentation submission. (Design and Construction Phase)
- Provide a point of contact between the project and USGBC on credit interpretation. Coordinate the appeal of denied credits if required. (Design and Construction Phase)

Fundamental Building Commissioning (Required)

- Fundamental commissioning services include those described in LEED- New Construction v4 EAp1.
- Fundamental Commissioning of Building Energy Systems, and follow the outline and recommendations of
- ASHRAE Guidelines 0 and 1 – 2010. This includes attending an initial meeting with the owner and design team to discuss the requirements and implications of the commissioning process. (Design Phase)
- Review, and assist in developing, the owner's project requirements (OPR) and the design team's basis of design documents for clarity and completeness. (Design Phase)
- Develop commissioning requirements for incorporation into the Construction and Bid Documents. (Design Phase)
- Develop and implement a commissioning plan. (Design and Construction Phase)
- Develop and distribute the pre functional tests (PFTs) and functional performance tests (FPT's) for execution by the appropriate subcontractors. (Construction Phase)
- Verify the installation and performance of systems being commissioned by sampling. (Construction Phase)
- Commissioned systems shall include: (sample list)
- HVAC systems and controls
- Roof Top Units
- Open and closed-loop condenser water pumps
- Split A/C Units
- Packaged 100% outside air rooftop units
- Toilet and dryer exhaust fans
- Lighting and controls
- Light fixtures, Photocells, Occupancy sensors
- Domestic hot water systems (as needed)
- Electric water heater tanks in the hotel units and back of house areas

- Electric tankless and tank-type water heaters in common areas
- Domestic water booster pumps

4. FOOD AND BEVERAGE

Based on industry-standard pricing, it is estimated that the foodservice equipment for this project shall range between \$316,000.00 to \$391,000.00. Below is a breakdown cost estimate for each area.

- Kitchen at approximately 1,452 sq. ft.: \$268,000.00 - \$326,000.00
- Bar – 12 seats: \$30,000.00 - \$40,000.00
- Turn Stand/Halfway House at 120 sq. ft.: \$18,000.00 - \$25,000.00
- Total estimated equipment cost: \$316,000.00 - \$391,000.00

The design team will further investigate the equipment costs once we meet with the City of Hollywood to review their goals, objectives, menu, and budget. Camacho's scope shall be limited only to Phases 1 and 2, and no travel during those phases is expected. All F&B design and engineering work beyond phase 2 shall be under the awarded CM@Risk.

END OF WRITTEN SCOPE AND FEE