SCOPE OF WORK

Boiler Replacements

Hackettstown Fish Hatchery Hackettstown, Warren County, NJ

Project No. P1333-00

STATE OF NEW JERSEY

Honorable Philip D. Murphy, Governor Honorable Tahesha L. Way, Lt. Governor

DEPARTMENT OF THE TREASURY

Elizabeth Maher Muoio, Treasurer



DIVISION OF PROPERTY MANAGEMENT AND CONSTRUCTION

Christopher Chianese, Director

Date: May 29, 2024

PROJECT LOCATION: Hackettstown Fish Hatchery

PROJECT NO: P1333-00 DATE: May 29, 2024

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I. OBJECTIVE

The objective of this project is to remove and replace two natural gas boilers at Hackettstown Fish Hatchery.

II. CONSULTANT QUALIFICATIONS

A. CONSULTANT & SUB-CONSULTANT PRE-QUALIFICATIONS

The Consultant shall be a firm pre-qualified with the Division of Property Management & Construction (DPMC) in the following discipline(s):

P020 Boiler/SteamLines/High Pressure Systems

The Consultant shall also have in-house capabilities or Sub-Consultants pre-qualified with DPMC in:

P002 Electrical Engineering

As well as, <u>any and all</u> other Architectural, Engineering and Specialty Disciplines necessary to complete the project as described in this Scope of Work (SOW).

III. PROJECT BUDGET

A. CONSTRUCTION COST ESTIMATE (CCE)

The initial Construction Cost Estimate (CCE) for this project is \$190,000.

The Consultant shall review this Scope of Work and provide a narrative evaluation and analysis of the accuracy of the proposed project CCE in its technical proposal based on its professional experience and opinion.

B. CURRENT WORKING ESTIMATE (CWE)

The Current Working Estimate (CWE) for this project is \$283,550.

The CWE includes the construction cost estimate and all consulting, permitting and administrative fees.

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The CWE is the client agency's financial budget based on this project Scope of Work and shall not be exceeded during the design and construction phases of the project unless DPMC approves the change in Scope of Work through a Contract amendment.

C. CONSULTANT'S FEES

The construction cost estimate for this project *shall not* be used as a basis for the Consultant's design and construction administration fees. The Consultant's fees shall be based on the information contained in this Scope of Work document and the observations made and/or the additional information received during the pre-proposal meeting.

IV. PROJECT SCHEDULE

A. SCOPE OF WORK DESIGN & CONSTRUCTION SCHEDULE

The following schedule identifies the estimated design and construction phases for this project and the estimated durations.

ESTIMATED DURATION (Calendar Days) PROJECT PHASE 1. Site Access Approvals & Schedule Design Kick-off Meeting 14 2. Schematic Design Phase 30 14 Project Team & DPMC Plan/Code Unit Review & Comment **30** 3. Design Development Phase 14 Project Team & DPMC Plan/Code Unit Review & Comment 4. Final Design Phase **30** 14 Project Team & DPMC Plan/Code Unit Review & Approval 7 5. Final Design Re-Submission to Address Comments Project Team & DPMC Plan/Code Unit Review & Approval 14 6. DCA Submission Plan Review **30** 7. Permit Application Phase 7 Issue Plan Release 8. Bid Phase 42 9. Award Phase 28

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10. Construction Phase

120

11. Project Close Out Phase

30

B. CONSULTANT'S PROPOSED DESIGN & CONSTRUCTION SCHEDULE

The Consultant shall submit a project design and construction schedule with its technical proposal that is similar in format and detail to the schedule depicted in **Exhibit 'A'**. The schedule developed by the Consultant shall reflect its recommended project phases, phase activities, activity durations.

A written narrative shall also be included with the technical proposal explaining the schedule submitted and the reasons why and how it can be completed in the time frame proposed by the Consultant.

This schedule and narrative will be reviewed by the Consultant Selection Committee as part of the evaluation process and will be assigned a score commensurate with clarity and comprehensiveness of the submission.

V. PROJECT SITE LOCATION & TEAM MEMBERS

A. PROJECT SITE ADDRESS

The location of the project site is:

Hackettstown State Fish Hatchery 23 Reese Ave. Hackettstown, NJ 07840

See Exhibit 'B' for the project site location map.

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B. PROJECT TEAM MEMBER DIRECTORY

The following are the names, addresses, and phone numbers of the Project Team members.

1. Department of Environmental Protection Representative:

Name: <u>Jason Freeborn, Project Manager</u>

Address: Department of Environmental Protection

275 Freehold-Englishtown Rd.

Freehold, NJ 07726

Phone No: (609)789-8125

E-Mail: jason.freeborn@dep.nj.gov

VI. PROJECT DEFINITION

A. BACKGROUND

The Charles O. Hayford State Fish Hatchery, more commonly known as the Hackettstown State Fish Hatchery, opened in 1912. The facility was responsible for trout production up to 1981, when the Pequest Trout Hatchery took over Coldwater production. Hackettstown's emphasis then turned to cool and warm water production.

The hatchery is currently responsible for the production and distribution of 15 species of cool and warm water fish depending on annual requests from Fish and Wildlife's regional fisheries biologists.

The hatchery also raises multiple species of fish to supply to county mosquito control programs through the Office of Mosquito Control Coordination's Biological Control Program. Annual production numbers range from 1.5 to 2.5 million fish per year.

The main water supply for both hatcheries is 52-degree spring water naturally bubbling out of the ground. This spring water must be heated to acceptable temperatures for the various species of fish raised at the Hatchery through a system of boilers, piping and valves.

B. FUNCTIONAL DESCRIPTION OF THE BOILERS

The two boilers requiring replacement at the Hackettstown Hatchery are manufactured by Fulton and are high efficiency, condensing boilers that are located in the Intensive Aquaculture (IAC) Building. They are part of a system designed to elevate the natural spring water feed to required temperatures through the use of boilers, piping, valves, heat exchangers and other components.

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This system is electronically monitored and controlled. Drawings from the original construction of the IAC building under project P0721 will be provided to the Consultant.

VII. CONSULTANT DESIGN RESPONSIBILITIES

A. DESIGN REQUIREMENTS

1. General:

The Consultant shall provide the Design, Construction Administration, Permitting and Bid/Award Services to replace the boilers at Hackettstown Fish Hatchery. The Consultant shall meet and coordinate with the NJ Department of Environmental Protection, Office of Resource Development Staff, Fish and Wildlife staff, and the Hackettstown Fish Hatchery Superintendent and staff to outline all requirements necessary for the design of the boiler replacements. The Consultant shall document interviews with DEP and Hatchery Staff to identify their requirements and needs. All specific components and essential items of this project scope, which are required by the Client Agency at those meetings, shall be incorporated in the design. The design shall include new energy efficient natural gas boilers including controls. Piping and valves as required for the new boilers shall also be included in the design. The design shall follow all codes and standards applicable.

2. Boilers:

The design shall include equivalent or improved natural gas boilers in terms of performance, energy efficiency, and required capabilities. The design shall include units of a size that also maintains appropriate clearances and tolerances to the current spaces. All appropriate connections and supporting systems (fresh air intake, exhausts, valves, filters, etc.) shall be evaluated and included in the design as appropriate.

3. Plumbing:

Piping, valves, insulation, and other components required for the replacement of the boilers shall be included in the design. If removal/reinstallation of additional plumbing components/piping is required for access purposes, those components/piping shall be assessed and if found to be inadequate shall be replaced in the designs.

4. Controls/Integration:

The design shall include controls/monitoring that can be integrated and merge with the current monitoring and alarm system in place. The design shall include an alarm signal that will notify staff and area of issues through the current alarm system.

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5. Special Considerations:

The design shall take into consideration all applicable site conditions, policy, procedures, and operation requirements. Timing restrictions, quality compliance, biohazard/sanitation requirements must be confirmed with the site, followed for all site visits, and included in the design and bid documents.

B. DESIGN MEETINGS & PRESENTATIONS

1. Design Meetings:

Conduct the appropriate number of review meetings with the Project Team members during each design phase of the project so they may determine if the project meets their requirements, question any aspect of the contract deliverables, and make changes where appropriate. The Consultant shall describe the philosophy and process used in the development of the design criteria and the various alternatives considered to meet the project objectives. Selected studies, sketches, cost estimates, schedules, and other relevant information shall be presented to support the design solutions proposed. Special considerations shall also be addressed such as: Contractor site access limitations, utility shutdowns and switchover coordination, phased construction and schedule requirements, security restrictions, available swing space, material and equipment delivery dates, etc.

It shall also be the responsibility of the Consultant to arrange and require all critical Sub-Consultants to be in attendance at the design review meetings.

Record the minutes of each design meeting and distribute within three (3) calendar days to all attendees and those persons specified to be on the distribution list by the Project Manager.

2. Design Presentations:

The minimum number of design presentations required for each phase of this project is identified below for reference:

Schematic Phase: One (1) oral presentation at phase completion.

Design Development Phase: One (1) oral presentation at phase completion.

Final Design Phase: One (1) oral presentation at phase completion.

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C. EXISTING DOCUMENTATION

Copies of the following documents will be provided to each Consulting firm at the pre-proposal meeting to assist in the bidding process.

• DBC Project P0721: Intensive Aquaculture Facility, 100% Design Development, December 20, 1996, Tonetti Associates Architects

Review these documents and any additional information that may be provided at a later date such as reports, studies, surveys, equipment manuals, as-built drawings, etc. The State does not attest to the accuracy of the information provided and accepts no responsibility for the consequences of errors by the use of any information and material contained in the documentation provided. It shall be the responsibility of the Consultant to verify the contents and assume full responsibility for any determination or conclusion drawn from the material used. If the information provided is insufficient, the Consultant shall take the appropriate actions necessary to obtain the additional information required.

All original documentation shall be returned to the provider at the completion of the project.

VIII. PERMITS & APPROVALS

A. NJ UNIFORM CONSTRUCTION CODE PLAN REVIEW AND PERMIT

The project construction documents must comply with the latest adopted edition of the NJ Uniform Construction Code (NJUCC).

The latest NJUCC Adopted Codes and Standards can be found at:

http://www.state.nj.us/dca/divisions/codes/codreg/

1. NJ Uniform Construction Code (NJUCC) Plan Review

Consultant shall estimate the cost of the NJUCC Plan Review by DCA and include that amount in their fee proposal line item entitled "Plan Review and Permit Fee Allowance", refer to paragraph X.A.

Upon approval of the Final Design Phase Submission by DPMC, the Consultant shall submit the construction documents to the Department of Community Affairs (DCA), Bureau of Construction Project Review to secure a complete plan release.

As of July 25, 2022, the Department of Community Affairs (DCA) is only accepting digital signatures and seals issued from a third party certificate authority.

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Procedures for submission to the DCA Plan Review Unit can be found at:

https://www.state.nj.us/dca/divisions/codes/forms/pdf bcpr/pr app guide.pdf

Consultant shall complete the "Project Review Application" and include the following on Block 5 as the "Owner's Designated Agent Name":

Joyce Spitale, DPMC PO Box 235 Trenton, NJ 08625-0235 Joyce.Spitale@treas.nj.gov 609-943-5193

The Consultant shall complete the NJUCC "Plan Review Fee Schedule", determine the fee due and pay the NJUCC Plan Review fees, refer to Paragraph X.A.

The NJUCC "Plan Review Fee Schedule" can be found at:

http://www.state.nj.us/dca/divisions/codes/forms/pdf bcpr/pr fees.pdf

2. NJ Uniform Construction Code Permit

Upon receipt of a complete plan release from the DCA Bureau of Construction Project Review, the Consultant shall complete the NJUCC permit application and all applicable technical subcode sections. The "Agent Section" of the application and certification section of the building sub-code section shall be signed. These documents, with six (6) sets of DCA approved, signed and sealed construction documents shall be forwarded to the DPMC Project Manager.

The Consultant may obtain copies of all NJUCC permit applications at the following website:

https://www.nj.gov/dca/divisions/codes/resources/constructionpermitforms.html

All other required project permits shall be obtained and paid for by the Consultant in accordance with the procedures described in Paragraph VIII.B.

3. Prior Approval Certification Letters:

The issuance of a construction permit for this project may be contingent upon acquiring various "prior approvals" as defined by N.J.A.C. 5:23-1.4. It is the Consultant's responsibility to determine which prior approvals, if any, are required. The Consultant shall submit a general certification letter to the DPMC Plan & Code Review Unit Manager during the Permit Phase of this project that certifies all required prior approvals have been obtained.

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In addition to the general certification letter discussed above, the following specific prior approval certification letters, where applicable, shall be submitted by the Consultant to the DPMC Plan & Code Review Unit Manager: Soil Erosion & Sediment Control, Water & Sewer Treatment Works Approval, Coastal Areas Facilities Review, Compliance of Underground Storage Tank Systems with N.J.A.C. 7:14B, Pinelands Commission, Highlands Council, Well Construction and Maintenance; Sealing of Abandoned Wells with N.J.A.C. 7:9D, Certification that all utilities have been disconnected from structures to be demolished, Board of Health Approval for Potable Water Wells, Health Department Approval for Septic Systems. It shall be noted that in accordance with N.J.A.C. 5:23-2.15(a)5, a permit cannot be issued until the letter(s) of certification is received.

4. Multi-building or Multi-site Permits:

A project that involves many buildings and/or sites requires that a separate permit shall be issued for each building or site. The Consultant must determine the construction cost estimate for *each* building and/or site location and submit that amount where indicated on the permit application.

5. Special Inspections:

In accordance with the requirements of the New Jersey Uniform Construction Code N.J.A.C. 5:23-2.20(b), Bulletin 03-5 and Chapter 17 of the International Building Code, the Consultant shall be responsible for the coordination of all special inspections during the construction phase of the project.

Bulletin 03-5 can be found at:

http://www.state.nj.us/dca/divisions/codes/publications/pdf bulletins/b 03 5.pdf

a. Definition:

Special inspections are defined as an independent verification by a certified special inspector for Class I buildings and smoke control systems in any class building. The special inspector is to be independent from the Contractor and responsible to the Consultant so that there is no possible conflict of interest.

Special inspectors shall be certified in accordance with the requirements in the New Jersey Uniform Construction Code.

b. Responsibilities:

The Consultant shall submit with the permit application, a list of special inspections and the agencies or special inspectors that will be responsible to carry out the inspections required for the project. The list shall be a separate document, on letter head, signed and sealed.

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B. OTHER REGULATORY AGENCY PERMITS, CERTIFICATES AND APPROVALS

The Consultant shall identify and obtain all other State Regulatory Agency permits, certificates, and approvals that will govern and affect the work described in this Scope of Work. An itemized list of these permits, certificates, and approvals shall be included with the Consultant's Technical Proposal and the total amount of the application fees should be entered in the Fee Proposal line item entitled, "Permit Fee Allowance."

The Consultant may refer to the Division of Property Management and Construction "Procedures for Architects and Engineers Manual", Paragraph "9. REGULATORY AGENCY APPROVALS" which presents a compendium of State permits, certificates, and approvals that may be required for this project.

The Consultant shall determine the appropriate phase of the project to submit the permit application(s) in order to meet the approved project milestone dates.

Where reference to an established industry standard is made, it shall be understood to mean the most recent edition of the standard unless otherwise noted. If an industry standard is found to be revoked, or should the standard have undergone substantial change or revision from the time that the Scope of Work was developed, the Consultant shall comply with the most recent edition of the standard.

IX. ENERGY REBATE AND INCENTIVE PROGRAMS

The Consultant shall review any and all programs on the State and Federal level to determine if any proposed upgrades to the mechanical and/or electrical equipment and systems for this project qualify for approved rebates and incentives.

The Consultant shall review the programs available on the "New Jersey's Clean Energy Program" website at: http://www.njcleanenergy.com as well as federal websites and New Jersey electric and gas utility websites to determine if and how they can be applied to this project.

The Consultant shall identify all applicable rebates and incentives in their technical proposal and throughout the design phase.

The Consultant shall be responsible to complete the appropriate registration forms and applications, provide any applicable worksheets, manufacturer's specification sheets, calculations, attend meetings, and participate in all activities with designated representatives of the programs and utility companies to obtain the entitled financial incentives and rebates for this project.

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All costs associated with this work shall be estimated by the Consultant and the amount included in the base bid of its fee proposal.

X. ALLOWANCES

A. PLAN REVIEW AND PERMIT FEE ALLOWANCE

The Consultant shall obtain and pay for all of the project permits in accordance with the guidelines identified below.

1. Permits:

The Consultant shall determine the various permits, certificates, and approvals required to complete this project.

2. Permit Costs:

The Consultant shall estimate the application fee costs for all of the required project permits, certificates, and approvals (excluding the NJ Uniform Construction Code permit) and include that amount in its fee proposal line item entitled "Plan Review and Permit Fee Allowance". A breakdown of each permit and application fee shall be attached to the fee proposal for reference.

NOTE: The NJ Uniform Construction Code permit is excluded since it will be paid for by the State.

3. Applications:

The Consultant shall complete and submit all permit applications to the appropriate permitting authorities and the costs shall be paid from the Consultant's permit fee allowance. A copy of the application(s) and the original permit(s) obtained by the Consultant shall be given to the DPMC Project Manager for distribution during construction.

4. Consultant Fee:

The Consultant shall determine what is required to complete and submit the permit applications, obtain supporting documentation, attend meetings, etc., and include the total cost in the base bid of its fee proposal under the "Permit Phase" column.

Any funds remaining in the permit allowance will be returned to the State at the close of the project.

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XI. SOW SIGNATURE APPROVAL SHEET

This Scope of Work shall not be considered a valid document unless all signatures appear in each designated area below.

The client agency approval signature on this page indicates that they have reviewed the design criteria and construction schedule described in this project Scope of Work (including the subsequent contract deliverables and exhibits) and verifies that the work will not conflict with the existing or future construction activities of other projects at the site.

SOW APPROVED BY: James Wright 5/29/2024

JAMES WRIGHT, MANAGER
DPMC PROJECT PLANNING & INITIATION

SOW APPROVED BY: 6/4/2024

JASON FREEBORN, PROJECT MANAGER
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DATE

SOW APPROVED BY: 6/5/24

CHRISTOPHER GEARY, ASST. DEPUTY DIRECTOR DATE CONTRACTS & PROCUREMENT

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XII. CONTRACT DELIVERABLES

The following are checklists listing the Contract Deliverables that are required at the completion of each phase of this project. The Consultant shall refer to the DPMC publication entitled "Procedures for Architects and Engineers," 3.0 Edition, dated September 2022 available at https://www.nj.gov/treasury/dpmc/Assets/Files/ProceduresforArchitectsandEngineers.pdf for a detailed description of the deliverables required for each submission item listed. References to the applicable paragraphs of the "Procedures for Architects and Engineers" are provided.

Note that the Deliverables Checklist may include submission items that are "S.O.W. Specific Requirements". These requirements will be defined in the project specific scope of work and included on the deliverables checklist.

This project includes the following phases with the deliverables noted as "Required by S.O.W" on the Deliverables Checklist:

- SCHEMATIC DESIGN PHASE
- DESIGN DEVELOPMENT PHASE
- FINAL DESIGN PHASE
- PERMIT APPLICATION PHASE
- BIDDING AND CONTRACT AWARD
- CONSTRUCTION PHASE
- PROJECT CLOSE-OUT PHASE

XIII. EXHIBITS

- A. SAMPLE PROJECT SCHEDULE FORMAT
- B. PROJECT SITE LOCATION MAP
- C. PHOTOS

END OF SCOPE OF WORK

to

Deliverables Checklist Schematic Design Phase

A/E Name:

A/E Manual		Required by S.O.W.		Previously Submitted		Enclosed	
Reference	Submission Item	Yes	No	Yes	No	Yes	No
13.4.1.	A/E Statement of Site Visit						
13.4.2.	Narrative Description of Project						
13.4.3.	Building Code Information Questionnaire						
13.4.4.	Space Analysis						
13.4.5.	Special Features						
13.4.6.	Catalog Cuts						
13.4.7.	Site Evaluation						
13.4.8.	Subsurface Investigation						
13.4.9.	Surveys						
13.4.10.	Arts Inclusion						
13.4.11.	Design Rendering						
13.4.12.	Regulatory Approvals						
13.4.13.	Utility Availability						
13.4.14.	Drawings (6 Sets)						
13.4.15.	Specifications (6 Sets)						
13.4.16.	Current Working Estimate/Cost Analysis						
13.4.17.	Project Schedule						
13.4.18.	Formal Presentation						
13.4.19.	Scope of Work Compliance Statement						
13.4.20.	Schematic Design Phase Deliverables Checklist						
s.o.w.	S.O.W. Specific Requirements						
Reference	3.0. w. Specific Requirements						

This checklist shall be completed by the Design Consultant and included as the cover sheet of this si			
document to the DPMC the status of all the deliverables requ			
Consultant Signature	 Date		

Deliverables Checklist Design Development Phase

A/E Name:

A/E Manual	Submission Item	-	Required by S.O.W.		Previously Submitted		Enclosed	
Reference		Yes	No	Yes	No	Yes	No	
14.4.1.	A/E Statement of Site Visit							
14.4.2.	Narrative Description of Project							
14.4.3.	Building Code Information Questionnaire							
14.4.4.	Space Analysis							
14.4.5.	Special Features							
14.4.6.	Catalog Cuts							
14.4.7.	Site Evaluation							
14.4.8.	Subsurface Investigation							
14.4.9.	Surveys							
14.4.10.	Arts Inclusion							
14.4.11.	Design Rendering							
14.4.12.	Regulatory Approvals							
14.4.13.	Utility Availability							
14.4.14.	Drawings (6 Sets)							
14.4.15.	Specifications (6 Sets)							
14.4.16.	Current Working Estimate/Cost Analysis							
14.4.17.	Project Schedule							
14.4.18.	Formal Presentation							
14.4.19.	Plan Review/Scope of Work Compliance Statement							
14.4.20.	Design development Phase Deliverables Checklist							
S.O.W. Reference	S.O.W. Specific Requirements							
					1			

This checklist shall be completed by the Design Consultant a	nd included as the cover sheet of this submission to
document to the DPMC the status of all the deliverables requ	uired by the project specific Scope of Work.
Consultant Signature	 Date

Deliverables Checklist Final Design Phase

A/E Name:

A/E Manual		Required by S.O.W.		Previously Submitted		Enclosed	
Reference	Submission Item	Yes	No	Yes	No	Yes	No
15.4.1.	A/E Statement of Site Visit						
15.4.2.	Narrative Description of Project						
15.4.3.	Building Code Information Questionnaire						
15.4.4.	Space Analysis						
15.4.5.	Special Features						
15.4.6.	Catalog Cuts						
15.4.7.	Site Evaluation						
15.4.8.	Subsurface Investigation						
15.4.9.	Surveys						
15.4.10.	Arts Inclusion						
15.4.11.	Design Rendering						
15.4.12.	Regulatory Approvals						
15.4.13.	Utility Availability						
15.4.14.	Drawings (6 Sets)						
15.4.15.	Specifications (6 Sets)						
15.4.16.	Current Working Estimate/Cost Analysis						
15.4.17.	Project Schedule						
15.4.18.	Formal Presentation						
15.4.19.	Plan Review/Scope of Work Compliance						
	Statement						
15.4.20.	Final Design Phase Deliverables Checklist						
S.O.W. Reference	S.O.W. Specific Requirements						
							<u> </u>
							<u> </u>
							<u> </u>
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This checklist shall be completed by the Design Consultant a document to the DPMC the status of all the deliverables rec	
Consultant Signature	 Date

Deliverables Checklist Permit Application Phase

A/E Manual		Required by S.O.W.		Previously Submitted		Enclo	osed
Reference	Submission Item	Yes	No	Yes	No	Yes	N
16.1.	N.J. UCC Permit Application						
16.4.	Drawings, Signed and Sealed (6 Sets)						
16.5.	Specifications, Signed and Sealed (6 Sets)						
16.6.	Current Working Estimate/Cost Analysis						
16.7.	Project Schedule						
16.8.	Plan Review/Scope of Work Compliance Statement						
16.9.	Permit Application Phase Deliverables Checklist						
S.O.W. Reference	S.O.W. Specific Requirements						
	shall be completed by the Design Consultant an the DPMC Project Manager the status of all the						

Deliverables Checklist Bidding and Contract Award Phase

A/E Name: _____

A/E Manual		_	red by .W.		ously	Encl	osed
Reference	Submission Item	Yes	No	Yes	No	Yes	No
17.1.1.	Notice of Advertising						
17.1.2.	Bid Proposal Form						
17.1.3.	Bid Clearance Form						
17.1.4.	Drawings (6 Sets)						
17.1.5.	Specifications (6 Sets)						
17.1.6.	Construction Schedule						
17.3	Pre-Bid Conference/Mandatory Site Visit						
17.3.1.	Meeting Minutes						
17.4	Bulletins						
17.5	Post Bid Meeting						
17.6.	Contract Award "Letter of Recommendation"						
17.8.	Bid Protests - Hearings						
17.9.	Bidding and Contract Award Phase						
_	Deliverables Checklist						
S.O.W. Reference	S.O.W. Specific Requirements						
_							
	shall be completed by the Design Consultant and in the DPMC the status of all the deliverables require						sion to
	Consultant Signature			Date			

Deliverables Checklist Construction Phase

A/E Name: _				
_				

A/E Manual			red by .W.		iously nitted	Encl	osed
Reference	Submission Item	Yes	No	Yes	No	Yes	No
18.2.	Pre-Construction Meeting						
18.3.	Submittal Log						
18.4.	Construction Schedule						
18.5.	Project Progress Meetings						
18.7.	Contractor's Invoicing and Payment Process						
18.8.	Contractor Submittals						
18.10.	Testing						
18.11.	Shop Drawings (6 Sets)						
18.12.	As-Built & Record Set Drawings (6 Sets)						
18.13.	Change Orders						
18.14.	Construction Photographs						
18.15.	Field Observations						
18.17.	Construction Phase Deliverables Checklist						
S.O.W. Reference	S.O.W. Specific Requirements						

This checklist shall be completed by the Design Consultant and included as the cover sheet of this submission to document to the DPMC the status of all the deliverables required by the project specific Scope of Work.)

Consultant Signature

Date

Deliverables Checklist Project Close-Out Phase

A/E Name:			
	Required by	Previously	
A /E Manual	S O W	Submitted	Enclosed

A/E Manual			red by .W.		ously nitted	Encl	osed
Reference	Submission Item	Yes	No	Yes	No	Yes	No
19.3.	Development of Punch List and Inspection Reports						
19.5.	Determination of Substantial Completion						
19.6.	Correction/Completion of Punch List						
19.7.	Submission of Close-Out Documentation						
19.7.1.	As-Built and Record Sets of Drawing (6 Sets)						
19.8.	Final Payment						
19.9.1.	Contractors Final Payment						
19.9.2.	A/E's Final Payment						
19.10.	Project Close-Out Phase Deliverables Checklist						
S.O.W. Reference	S.O.W. Specific Requirements						

hall be completed by the Design Consultant he DPMC the status of all the deliverables re				sion to
Consultant Signature		Date		

February 7, 1997 **Rev.**: January 29, 2002

Responsible Group Code Table

The codes below are used in the schedule field "GRP" that identifies the group responsible for the activity. The table consists of groups in the Division of Property Management & Construction (DPMC), as well as groups outside of the DPMC that have responsibility for specific activities on a project that could delay the project if not completed in the time specified. For reporting purposes, the groups within the DPMC have been defined to the supervisory level of management (i.e., third level of management, the level below the Associate Director) to identify the "functional group" responsible for the activity.

CODE	DESCRIPTION	REPORTS TO ASSOCIATE DIRECTOR OF:
СМ	Contract Management Group	Contract Management
CA	Client Agency	N/A
CSP	Consultant Selection and Prequalification Group	Technical Services
A/E	Architect/Engineer	N/A
PR	Plan Review Group	Technical Services
CP	Construction Procurement	Planning & Administration
CON	Construction Contractor	N/A
FM	Financial Management Group	Planning & Administration
OEU	Office of Energy and Utility Management	N/A
PD	Project Development Group	Planning & Administration

EXHIBIT 'A'

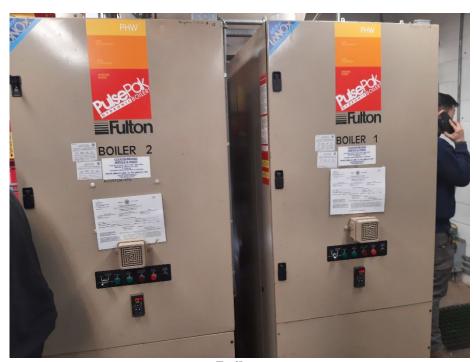
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CV3001 Schedule/Conduct Predesign/Project Kick-Off Mtg. CM		
CV3020 Prepare Program Phase Submittal AE		
CV3021 Distribute Program Submittal for Review CM		
CV3027 Prepare & Submit Project Cost Analysis (DPMC-38) CM		
CV3022 Review & Approve Program Submittal CA		
CV3023 Review & Approve Program Submittal PR		
CV3024 Review & Approve Program Submittal CM		
CV3025 Consolidate & Return Program Submittal Comments CM		
CV3030 Prepare Schematic Phase Submittal AE		
CV3031 Distribute Schematic Submittal for Review CM		
CV3037 Prepare & Submit Project Cost Analysis (DPMC-38) CM		
CV3052 Review & Approve Schematic Submittal CA		
CV3033 Review & Approve Schematic Submittal PR		
CV3034 Review & Approve Schematic Submittal CM		
CV3035 Consolidate & Return Schematic Submittal Comment CM		
CV3040 Prepare Design Development Phase Submittal AE		
CV3041 Distribute D. D. Submittal for Review CM		
CV3047 Prepare & Submit Project Cost Analysis (DPMC-38) CM		
CV3042 Review & Approve Design Development Submittal CA		
CV3043 Review & Approve Design Development Submittal PR		
CV3044 Review & Approve Design Development Submittal		
CV3045 Consolidate & Return D.D. Submittal Comments CM		
CV3050 Prepare Final Design Phase Submittal AE		
Distribute Final Design Submittal for Review CM		
CV3052 Review & Approve Final Design Submittal CA		
CV3053 Review & Approve Final Design Submittal PR		
CV3054 Review Final Design Submitl for Constructability OCS		
NOTE: Refer to section "IV Project Schedule" of the Scope of Work for contract phase durations	Street of Design & Construction Services	1 V L

DECK VILLY		1	Chith Column and Landsconners and the Column and Column						-	-			The state of the state of	
Ω	Description	Rspn						Weeks						
CV3055	Review & Approve Final Design Submittal	Q.		entremeterional	THE STREET	A STATE AND AND ASSESSMENT	CARLEGUERA		diction in the last	Charles of the last	THE PERSONNEL STREET	THE PERSON NAMED IN	MAINTARCOLD RECENT	PERMITTER
CV3056	Consolidate & Return Final Design Comments	CM								- 10 010				
CV3060	Prepare & Submit Permit Application Documents	AE	A part of								1			-
CV3068	Prepare & Submit Bidding Cost Analysis (DPMC-38)	CM												- -
Plan I	Plan. Review-Permit Acquisition													
CV4001	Review Constr. Documents & Secure UCC Permit	PR		10 m										
CV4010	Provide Funding for Construction Contracts	CA												
CV4020	Secure Bid Clearance	CM												
Adven	Advertise-Bid-Award													
CV5001	Advertise Project & Bid Construction Contracts	9									e ade po			
CV5010	Open Construction Bids	වී												
CV5011	Evaluate Bids & Prep. Recommendation for Award	CM					to teller							
CV5012	Evaluate Bids & Prep. Recommendation for Award	AE												
CV5014	Complete Recommendation for Award	8												
CV5020	Award Construction Contracts/Issue NTP	d)												
Const	Construction													
CV6000	Project Construction Star/Issue NTP	CM								-				
CV6001	Contract Start/Contract Work (25%) Complete	CON												
CV6002	Preconstruction Meeting	CM												3.
CV6003	Begin Preconstruction Submittals	CON									***			Out
CV6004	Longest Lead Procurement Item Ordered	CON												
CV6005	Lead Time for Longest Lead Procurement Item	CON												
CV6006	Prepare & Submit Shop Drawings	CON		100 to 10										
CV6007	Complete Construction Submittals	CON												
CV6011	Roughing Work Start	CON												
CV6012	Perform Roughing Work	CON												
CV6010	Contract Work (50%+) Complete	CON												
CV6013	Longest Lead Procurement Item Delivered	CON												Mar and
CV6020	Contract Work (75%) Complete	CON												
NOTE.	1.	DBCA - TEST												
Ref	Refer to section "IV Project Schedule" of the Scope of Work for contract phase durations.		Bureau of Design & Construction Services	gn & C	nstructi	on Ser		Sueet 2 of 3	7	X		1	-	A
	Control of the contro									T T			,	

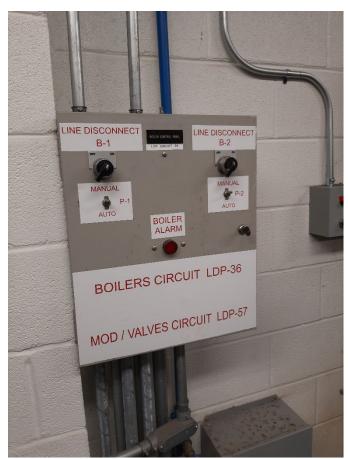
Activity	Description	New York	
CV6014	Roughing Work Complete	CON	
CV6021	Interior Finishes Start	Ĭ.	
CV6022	Install Interior Finishes	CON	
CV6030	Contract Work to Substantial Completion	NO	
CV6031	Substantial Completion Declared	8	
CV6075	Complete Deferred Punch List/Seasonal Activities	NOO	
CV6079	Project Construction Complete	8	
CV6080	Close Out Construction Contracts	WO	
CV6089	Construction Contracts Complete	8	
CN6090	Close Out A/E Contract	S	
CV6092	Project Completion Declared	8	
NOTE:	NTE: Refer to section "IV Project Schedule" of the	DBCA-TEST Bureau of Design & Construction Services	EVITEDIT 141
looc	Scope of Work for contract phase durations. © Primavera Systems, Inc.		EAUIDII A



Project Site Location Map
Hackettstown Fish Hatchery IAC Building
EXHIBIT 'B'



Boilers



Boiler Control

EXHIBIT 'C'



System Control



Certification

EXHIBIT 'C'