

EXHIBIT B

Scope of Services

EXHIBIT B
PROGRESSIVE DESIGN BUILD SCOPE OF SERVICES
PHASE 1 SERVICES

Durham County
Slater Road Lift Station, Force Main, and Outfall

PROJECT DESCRIPTION

The Slater Road LS is a duplex, wet-pit/dry-pit station built in 1983. It is located at 763 Slater Road, Morrisville, NC at the back of the Cortland Perimeter Park apartment complex. Durham County (DCo) wishes to relocate and convert this station to a submersible-pump LS that meets DCo 2023 lift station standards.

The new LS is to meet interim and buildout conditions. A recent preliminary engineering report (PER) by Kimley Horn projects the buildout, peak-hourly flow to be 1,023 gpm. Per the PER, an interim condition of around 750 gpm will require a new 10-inch force main. Designs, routing, permitting, easement acquisition, and construction of the new force main is part of this project, along with a downstream analysis coordinated with the County's NE Creek modeling effort. Findings of the PER also require confirmation.

This project includes design, permit and construct a relocated and upgraded Slater Road LS. Components of the Slater Road LS conveyance system are to be abandoned (existing LS, force main, outfall); and the proposed design capacities of the LS are to be confirmed. Durham County has contracted with Crowder Construction Company (Design-Builder) in partnership with Kimley-Horn (Design Consultant) to advance the project design to the 100% level and provide a final GMP at the 50% completion level. The scope contained in this document is for Phase 1 (preconstruction services).

PROJECT TASKS

The following tasks are included in Design-Build Team's scope of work to meet the requirements of 2.2.1 of the Agreement. Only the effort required to complete Phase 1 (preconstruction services) have been included.

Task 1 – General Services

Design-Builder will provide project management services including and not limited to oversight of the design, specifications, drawings, value engineering, constructability reviews, work analysis, permitting, scheduling, cost estimating, cost accounting and progress reporting throughout the Phase 1 duration.

Design-Builder will develop a project management plan including permitting matrix, risk register, decision-making logs, and other project management activities needed to execute Phase 1. The register and decision-making logs will be updated at design milestones and discussed at the associated workshop.

Meetings and workshops will be held at the Owner's offices (5926 NC Highway 55 East Durham, North Carolina 27713) or virtually with representatives from Owner's staff and Design-Build Team. The Design-Build Team will lead workshops and project review meetings, prepare agendas for each meeting, record and distribute meeting minutes, along with maintaining critical action items and decision lists for each meeting. The Owner will provide "over the shoulder" review comments to the Design Build Team at the

workshops and meetings. Review and comments will be performed utilize Bluebeam Studio session or similar along with verbal comments received during workshops and meetings. The Design-Build team will generate an excel list of comments and responses from the review sessions and incorporate any additional comments provided by the Owner.

In addition to the meetings and workshops identified in other specific tasks, the following meetings and workshops are anticipated:

- Kickoff Meeting: Design-Builder will coordinate a meeting to review the goals and scope of the project, review the schedule and identify critical path issues, and establish project communications and protocols to follow. Design-Builder will memorialize these protocols in memorandum format. As part of the kick-off meeting, the Design-Builder and Owner will discuss the preliminary design to date and discuss the status of ongoing work including, but not limited to, associated projects by others and permitting.
- Monthly Progress Meetings: Participate in monthly progress meetings to review completed work, coordinate the schedule for the upcoming month and discuss any outstanding items.
- Site Logistics, Access, & Site Layout Workshop: Workshop will be conducted to review the site layout and discuss site logistics and access, including temporary and permanent.
- Start-up and commissioning workshop to develop Acceptance Testing Plan and Transition Plan for seamless turn-over to DCo.

Design-Builder will develop a CPM schedule that will include all phases of the project including the detailed design, permitting, GMP development and approval, construction, and commissioning efforts. The schedule will show major activities with anticipated milestones and float. Design-Builder will work with the Owner to identify these activities and milestones. Schedule updates will occur monthly. Phase 2 services will be based on the initial Design-Builder proposal schedule and will be updated at each major design milestone and opinion of probable cost deliverable. Scheduling software utilized will be Primavera P6 and deliverables will be provided in pdf format.

Task 2 – Design Services

See Attachment B-2 for Design Scope

Task 3 – Conceptual Design Construction Cost Estimate Development

The Design Builder shall prepare a conceptual construction cost estimate utilizing area, volume, or similar conceptual estimating techniques. The level of detail for the estimate shall reflect the Designer's conceptual sketches and layouts and any additional available information.

Value engineering and constructability reviews will be ongoing throughout the design identifying efficiencies and cost saving measures which will get implemented into the design as it advances.

Task 4 – 50% Design Construction Cost Estimate Development & Phase 2 50% GMP Contract Package

The Design Builder shall prepare a 50% construction cost estimate utilizing area, volume, or similar conceptual estimating techniques. The level of detail for the estimate shall reflect the Designer's 50% design and any additional available information such as quotes from vendors and suppliers where possible.

Design-Builder will develop a detailed plan for construction bid packages that leverages and optimizes the best mix of self-performance of work by Design-Builder and involvement of subcontractors for specialized work. This plan will include dividing the work into multiple bid packages as deemed appropriate. After bid packages are developed, Design-Builder will solicit bids from qualified local subcontractors to contribute to the development of the GMP. The Design-Builder will utilize a process for prequalification that ensures competency and ability to perform the tasks for each prospective bidder and conforms with the QA/QC policies and any requirements that may be established as a condition of financing or funding obtained by Owner.

During this GMP phase, a detailed cost estimate will be developed, bringing into account the decisions made during the earlier estimates including design up to 50%, risk register and contingency, schedule and preliminary pricing from subcontractors and vendors that have been received. This detailed estimate will allow the Design-Builder to lock into a GMP that will be presented to the Owner. The GMP and 50% design documents, once reviewed and accepted by the Owner, will become the basis of the Phase 2 Design-Build Services Agreement. The GMP pricing will be open book and transparent so that the Owner has visibility into how costs are developed.

Task 5 – IFC Construction Cost Estimate Development and Reconciliation of GMP Allowances

Design-Builder will incorporate feedback from the Owner on the 50% design and further develop the design to 90%. Following the submittal of the 90% design, Design-Builder will receive feedback from the Owner, update the documents, and provide a final IFC set of documents.

After the IFC documents are issued, a final detailed cost estimate will be developed and used to reconcile the allowances included in the Phase 2 Design-Build Services Agreement.

ASSUMPTIONS

The project scope and costs are contingent upon both the Slater Road Lift Station, Forcemain and Outfall Project and the Page Park Apartments Lift Station Upgrade Project to be executed concurrently and that both projects will share the same specifications and plans.

**Attachment B-1
PROGRESSIVE DESIGN BUILD SCHEDULE
PHASE 1 SERVICES
Durham County
Slater Road Lift Station, Force Main, and Outfall**

The table below will be utilized to develop the schedule for Phase 1 utilizing calendar days from NTP. The dates for workshops and deliverables are based on the Design-Build Team's understanding of the project scope at time of execution of this Agreement.

PHASE 1 SCHEDULE

<i>Workshop or Deliverable</i>	<i>Calendar Days from NTP</i>
Kickoff Meeting	0
Conceptual Design & Cost Package Submittal	74
50% Design Package Submittal	116
50% Design Workshop	123
50% Cost Package & GMP/Phase 2 Contract to Owner	144
50% Cost Package & GMP/Phase 2 Contract Review Period	151
Finalize GMP/Phase 2 Contract Documents	158
90% Design Package Submittal	165
90% Design Workshop	179
Obligate ARPA Funds (Commission Approval)	182
IFC Design Document Submittal	186
IFC Cost Package to Owner	193
Reconcile GMP Allowances	207

EXHIBIT B-2

Design Scope of Services

Kimley-Horn and Associates, Inc. (“Kimley-Horn” or “Engineer”) is pleased to submit this draft scope (the “Scope”) to Crowder Construction Company (“Client”) for providing Phase 1 progressive design build services for the Slater Road Lift Station, Force Main and Outfalls Project with the (“Owner”) Durham County.

Project Understanding

Client wishes to construct the below items as part of a progressive design build project. The project generally consists of the following:

1. Existing Slater Road Pump Station – The existing duplex can style station is planned to be abandoned.
2. Proposed Slater Road Pump Station – A duplex submersible style station with two or three pumps with capacity of 1023 GPM. The station is anticipated to contain an influent manhole with grinder, precast wet well, submersible pumps, precast valve vault, precast concrete electrical building, diesel generator, fencing, access drive, and overhead gantry crane.
3. 10” Force Main – The proposed 10” force main will extend approximately 8,250 LF with up to 2 bore and jack crossings and 1 horizontal directional drill. The discharge location is assumed to be where the existing 8” force main discharges on Miami Blvd or near Keystone Drive.
4. Gravity Mains – A total of approximately 200 LF of 8 to 12-inch sanitary sewer with one (1) trenchless stream crossing.

Scope of Services

KHA will provide the services specifically set forth below. Services not specifically stated in this exhibit can be provided as additional services. Services include design of Slater Road Pump Station, abandonment of the existing Slater Road Pump Station, and design of the Slater Road 10-inch force main. This scope of services assumes a single construction contract, workshops, meetings, coordination, project management, permitting, plans, specifications and that all work is completed on a parallel schedule as the Page Park Apartments Lift Station and Force Main Project.

Task 1 –Lift Station, Force Main, and Sanitary Sewer Design (Lump Sum)

1. Kickoff Meeting - Schedule and conduct one (1) project kickoff meeting with Client and Owner upon receipt of Notice to Proceed. The meeting shall include the following items:
 - A. Review of key project objectives, overall work plan, project deliverables, and anticipated project schedules.
 - B. Set dates for progress meetings and workshops.
 - C. Identify known stakeholders.
 - D. Develop and distribute meeting minutes.
2. Miscellaneous Administrative – Ongoing project management including subconsultant coordination, subconsultant QA/QC, schedule updates, accounting, communication, and resource allocation.
3. Survey Notification Letters - Creation and distribution of 1 set of design notification letters for

the project corridor are to be completed prior to exploratory work. Notices will be mailed via standard mail soon after NTP and will instruct property owners that entry may be necessary for the next 12 months without further notification. It is anticipated that a letter will be required for approximately 19 parcels. Construction notifications are to be completed by others.

4. Public Outreach – No effort is anticipated for public outreach and is to be completed by others.
5. NCDOT Engagement - Present the proposed alignment(s) to NCDOT. Verify that the currently proposed alignments are generally acceptable and can be permitted through the conventional NCDOT encroachment agreement without major concerns. Attend and facilitate up to 2 meetings with NCDOT to discuss the preferred alignment. Document the results of the meeting in an email to the Client, Owner, and NCDOT.
6. Environmental Screening - Provide a limited environmental screening consisting of database review and orphan site screening of the project area to identify areas of environmental concern. This task will involve a limited database investigation to document known environmental conditions and is not a Phase I Environmental Site Assessment. Findings will be summarized and be utilized to provide appropriate design decisions and cost projections.
7. Routing Analysis – Evaluate up to 3 potential alignments for the proposed sewer force main. Two (2) routes will discharge at the current Slater Road Force Main location on Miami Blvd and 1 route will discharge near Keystone Park Drive. Conduct 1 site visit to perform field reconnaissance including digital photographs, measurements, and miscellaneous observations. Develop preliminary quantities for each route to be provided to Client for developing costs. Document a summary of the findings in exhibits, cost table, and email summary to Client and Owner along with exhibits showing major utilities, environmental concerns, and conflicts. Client is expected to provide a rough order of magnitude cost estimate for each alignment.
8. Sewer Capacity Analysis - Review available land plans developed by others to discern the relevant service area and projected tributary flow to the collection system that the project is directly tributary to. Delineate the Burden's Creek interceptor sewer basin using GIS data provided by the Client. Area to be delineated includes the areas tributary to the parallel Burdens Creek interceptor that hasn't been previously delineated by KH. Previous studies completed by KH will be used for other areas. Calculate the existing and buildout flows based on planning maps. Utilize the Owner's existing GIS to construct an approximate model and calculate existing and buildout flows. Provide an exhibit showing estimates of existing and build out pipe capacities. The intent of the analysis is to properly size the proposed infrastructure and determine downstream effects, to a reasonable extent, up to the last manhole on Hwy 55 outside of the waste water treatment facility and to determine if segments of the Burdens Creek interceptor require upgrading as part of this project.
9. Survey Review – Perform up to 1 site visits to review survey CAD files. Provide comments to the Surveyor for any noticeable variances or comments.
10. Construction Contract Document Development
 - A. Detailed Design – Based on the Initial Design, provide design engineering services for the project components. Provide mechanical, electrical, and civil engineering services including calculations, drawings (see below), equipment selections and other tasks as determined reasonably necessary to design the proposed improvements. Submit design plans at the following design development review stages.

1. Conceptual Design – For the purposes of review, provide conceptual design sketches on 11x17 size documents for key components to aid in decision making. No technical specifications will be provided.
 2. 50% Submittal - For the purposes of review, provide preliminary drawings depicting the final intent of the scope of work for the majority of construction items. Include preliminary mechanical, electrical, and structural, plans and section views as appropriate. Incorporate any comments from the previous review. Provide preliminary technical specifications without front end documents. Provide approximate quantities of proposed design components for purposes of GMP generation by others.
 3. 90% Submittal – For the purposes of Client and GMP generation, regulatory review, and permitting, provide construction drawings and technical specifications. Incorporate any comments from the previous review. Provide technical specifications with front end documents. Provide approximate quantities of proposed design components for purposes of GMP generation by others.
 4. 100% Submittal – For the purposes of Client and GMP generation, regulatory review, and permitting, provide construction drawings and technical specifications. Incorporate any comments from the previous review. Provide technical specifications with front end documents.
- B. Client Progress Meetings - Conduct regularly scheduled design progress and coordination meetings with the Client. These meetings will keep the Client informed of design progress, address questions or areas of concern, and minimize the potential for delays from subsequent changes. Meetings will be conducted with the design development submittals. Design development submittals will be provided approximately 1 week prior to scheduled meetings.
- C. Owner Workshops – Participate in up to 5 workshops and provide review materials as necessary for the following workshops: Site logistics & access, site layout, schedule & cost, value engineering, electrical, 50 and 90% design review and GMP. Progress plans and technical specifications will be provided in electronic format for workshops.
- D. Construction Drawings - Prepare detailed construction drawings for the project components including all necessary structural design and associated site/civil design. All drawings will be prepared in AutoCAD Civil 3D software. Plan and profile drawings will be prepared at a 1:40 horizontal scale and 1:4 vertical scale for force main and gravity sewer plans. Site plans for pump stations will be prepared at 1:5 horizontal scale. Design plans will include plan and profile for force main and gravity sewer replacements, appropriate details, structural, civil, mechanical, and electrical drawings for pump stations, valve vault details and drawings depicting other appurtenances as necessary. Traffic control plans are assumed to not be necessary for this project.
- E. Traffic Management Plans – Facilitate discussions with the Client, Owner, and NCDOT to develop work zone Traffic Management Plans (TMPs). Depict TMP on design plan sheets including relevant details and notes. TMP will follow the current version of FHWA's MUTCD. TMPs will be submitted with the 90% submittal. The TMPs will follow NCDOT's standard format for Work Zone Traffic Control submittals.
- F. Specifications - Prepare Technical specifications. Specifications will be provided to the Client and 90% design development progress interval for review. Geotechnical and SUE information

will be included as an appendix to the specifications for Contractor's information.

- G. Contract Documents - Furnish sets of Contract Documents (Drawings and Specifications) in such quantities as may be required for submission to permitting agencies, other reviewing authorities, and for the Client's use. For the purposes of this scope, we have assumed a maximum of 6-full size Drawings and specifications will be required for one (1) construction contract. Assist with the development of all "Front End" documents provided by the Client. Consultant will provide information as necessary for the Client to develop the front-end documents. Electronic submittals of Contract Documents are preferred.

Task 2 – Permitting (Lump Sum)

1. NCDEQ Sedimentation and Erosion Control - For this scope it is anticipated that one (1) permit will be required.
2. Durham County Authorization to Construct - Submit plans for County's review and approval. This scope includes One (1) resubmittal and one (1) iteration of the following steps.
 - A. Pre-Submittal Meeting – Conduct a pre-submittal meeting with the County to verify the project approval process. This meeting is intended to discuss the submittal process and identify regulations with significant bearing on the project.
 - B. Calculation Review Package – This package includes calculations for hydraulics, flow, buoyancy, force main velocity, NPSH, operating points, runtimes, cycle times, etc. This submittal also includes a site plan drawing, narrative, and a list of any variances being requested.
 - C. Construction Drawing Approval – A submittal of the construction drawings and review by the various County departments including site plan review and inspections department.
3. NCDEQ Sewer Permit – The County does not have delegated authority for the permitting of pump stations, so NCDEQ sewer permitting will be required. Prepare and submit two (2) sewer permit application to the NCDEQ. Address reasonable comments from the reviewing parties and revise plans as necessary.
4. NCDOT Encroachment Agreement – Obtain an NCDOT encroachment agreement for each NCDOT impacted area. Includes 1 virtual meeting to discuss encroachment agreement. Address reasonable comments from the reviewing parties and revise plans as necessary.
5. NCDOT Driveway Permit – Obtain a driveway permit for the pump station site utilizing the existing driveway apron behind 1101 Shiloh Glenn Dr. Address reasonable comments from the reviewing parties and revise plans as necessary.
6. Railroad Occupancy Agreement – Obtain 1 railroad occupancy agreement for a perpendicular utility crossing. Address reasonable comments from the reviewing parties and revise plans as necessary.
7. Electric Encroachment – It is anticipated that two (2) electric company right of way encroachments will be necessary for the force main and one (1) for the pump station driveway. Includes coordination with Duke Energy and acquisition of an encroachment agreement / No Objection letter. Electric encroachment is assumed to exist at the site and access driveway. Any Indemnification agreements will be applied for and authorized by Client.
8. Gas Encroachment – It is anticipated that NO gas encroachment permitting will be necessary.
9. Flood Plain Determination – Submit a Flood Plain Determination form for review by the Flood Plain Administrator (FPA). The Administrator will respond with the type of FPD application needed. Based on our experience and the anticipated improvements, we expect to produce a Large Submittal requiring FPA review.
10. Flood Plain Development Permit – This is a unified City/County permit obtained from the FPA. This submittal will require a flood study, flood impact plan, design plans, and a permit application. There is an existing FEMA effective model available for download on the NCFRIS

website. The model will need to be updated for the proposed conditions and compared to the existing conditions before use. It is our understanding that flood level increases less than one foot will be permissible without triggering the need for a CLOMR or LOMR.

11. NCDWR / USACE Section 404/401 – For this scope, it is anticipated that Section 404/401 permitting will be required through NCDWR and USACE.
 - A. Stream and Wetland Delineation – Conduct a field investigation to determine the absence or presence of streams, wetlands, and/or open waters within the Project Study Area utilizing the three-parameter approach for wetland delineation as described in the Federal Manual for Identifying and Delineating Jurisdictional Wetlands. The jurisdictional limits will be flagged following the guidelines presented in the 1987 U.S. Army Corps of Engineers Wetland Delineation Manual and the 2012 Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Eastern Mountains and Piedmont Region (Version 2.0). Data forms required for certification by the USACE and/or NCDWR will be completed with the necessary data obtained during field reviews. Any jurisdictional streams will be classified as either perennial or intermittent. The delineated wetland or stream boundaries will be flagged and GPS located. Prepare a Pre-Construction Notification (PCN) Form for submittal to the USACE / DWQ for the project area.
 - B. Agency Verifications – It is anticipated that a Preliminary Jurisdictional Determination (PJD) will be sufficient to meet the Client’s objectives for the project. Following the delineation, a PJD request package will be prepared consisting of a cover letter, the required PJD forms, agent authorization form, figures, and data forms. The PJD request will be submitted to the USACE on the Client’s behalf. Depending on the project schedule, the PJD request may be submitted concurrently with the 404/401 Permit Application to expedite the review. It is anticipated that one field review will be required with the USACE and NCDWR where the Engineer will review the delineation in the field with the applicable agency representatives. Any minor modifications to the jurisdictional features will be performed that may be deemed necessary by the agencies in order to obtain concurrence.
 - C. Buffer Concurrence - Based on the project study area location in the Neuse Watershed, streamside riparian buffer zones may be regulated under the Neuse Watershed Riparian Buffer Rules enforced by NCDWR. A Buffer/Stream Determination request will be prepared for submittal to NCDWR. The Engineer will seek to obtain concurrence from NCDWR on the presence/absence of regulated riparian buffers within the project study area.
 - D. Nationwide Section 404/401 Permit Application and Buffer Authorization – It is assumed that the project will qualify for authorization under Nationwide Permit #12 criteria for Utility Line Activities. The Engineer will prepare a Draft 404/401 Nationwide Permit and Buffer Authorization application package, and if necessary, conduct a pre-application meeting with the US Army Corps of Engineers (USACE) and/or the NC Division of Water Resources (NCDWR) to present the permit approach, avoidance/minimization measures, and alternatives analysis. This will include working with the agencies to determine whether mitigation will be required for the project, and if so, the type and amount necessary. If the regulatory agencies determine that the project does not qualify for authorization under the Nationwide Permit program, and an Individual Section 404/401 Permit is required, these efforts will be considered as an additional service.

- E. Mitigation - Mitigation may be required by the agencies for stream, wetlands, and/or riparian buffer impacts. Kimley-Horn will coordinate with private mitigation banks or the NC Division of Mitigation Services as necessary to obtain mitigation for the permit. On-site mitigation design services are not included in this scope of services but can be provided as an additional service if required. Upon submittal, Kimley-Horn will track the application through the regulatory review process. This will include addressing up to one (1) additional information request made by the permitting agencies. Mitigation fees shall be paid by the Owner.

Task 3 – Subconsultant Services (Lump Sum)

The Consultant's role in coordinating the subconsultant tasks is strictly limited to facilitating communication and collaboration between the parties involved. The Consultant and subconsultants shall work together in good faith to establish reasonable deadlines and milestones for the completion of the subconsultant tasks. However, the Consultant shall not be liable for any delays or deviations from the agreed-upon schedule caused by the subconsultants. The Consultant reserves the right to substitute or replace subconsultants at its sole discretion, provided that any such substitution or replacement shall not cause additional cost or delay to the project. The Consultant and subconsultants shall maintain open lines of communication and promptly notify each other of any changes, issues, or concerns that may impact the project schedule or deliverables.

1. Site Survey - (Stewart Engineering) Provide a detailed location/planimetric/topographic field survey as required for the project areas. The surveys will include locations of existing utilities and setting of temporary benchmarks (TBMs). Perform basic deed research in accordance with the requirements of the county as required to establish existing property lines and right-of-ways located immediately adjacent to the project corridor. Perform sufficient field surveys to delineate existing property lines and right-of-ways within the project limits. Existing property lines will be mapped based on existing property monuments and recorded deeds and plats. GIS information will be used to determine the location of corners outside of the project areas. No tree, record drawing, or other activities mentioned above are included. Includes up to 8,500 LF of linear corridor survey at 50' wide and 3.42 acres of site and driveway survey.
2. Subsurface Utility Engineering – (Stewart Engineering) Provide up to 9.02 acres of Level B subsurface utility exploration (SUE) in the survey areas by (Stewart Engineering (M/UBE)). It is assumed that the Owner will locate the existing Slater Road Force Main. Provide Level A SUE in select locations where more precise horizontal and vertical locations of utilities is required (10 total). Where vacuum excavation is required in asphalt pavement, the pavement will be restored using cold patch asphalt or as required by NCDOT. A report for each vacuum excavation location will be created and supplied to the Client. Each excavation report will be sealed by a licensed land surveyor. Subconsultant will provide their own traffic control for SUE activities as necessary. Additional Level A SUE (test holes) can be provided as an additional service. Level A SUE locations will be determined based on a preliminary assessment of the existing utilities, site conditions, and proposed force main alignment.
3. Geotechnical Engineering – (Falcon) Task to be performed by geotechnical subconsultant (Falcon Engineering (W/UBE)). Perform subsurface geotechnical investigations at various locations to develop a geotechnical basis of design for the proposed major project components (i.e. pump station, trenchless crossings). Traffic control will be performed by the Subconsultant.

Provide a geotechnical report to include a summary of the methodology, map of bore locations, bore logs, description of the results and recommendations for construction methods related to geotechnical engineering. Provide a preliminary boring plan to Client for review prior to requesting geotechnical bores. Scope includes Up to 5 Standard Penetration Tests (SPT) up to 20-Ft deep along pipeline segments, 2 SPT's up to 40-Ft deep at the pump station site. If refusal is encountered above the proposed depth(s), subconsultant will perform up to 10 feet of rock coring at one boring location and terminate remaining borings upon auger refusal. No seismic refraction testing included. Provide geotechnical report with recommendations for proposed installations. Additional geotechnical borings can be provided as an additional service.

Task 4 – Easement Acquisition (Unit Price)

1. Easement Acquisition - For properties where easements are determined necessary, assist the Owner with the easement acquisition of up to 15 easements. Review design plans with the Client and Owner to determine where access, permanent and temporary easements are necessary. Perform the following services related to easement acquisition:
 - A. Easement Exhibits – (KH) Provide draft easement exhibits for negotiation and discussion purposes based on proposed design. Coordinate with Telics, Owner, and Surveyor.
 - B. Property Appraisals – (Telics) Appraisals will be done in accordance with Uniform Standards of Professional Appraisal Practice (USPAP). Perform property appraisals for all properties requiring an easement and review initial offer with the Owner.
 - C. Easement Negotiations – (Telics) All negotiations will be in compliance with the NCDOT Right of Way Manual and/or special instructions from NCDOT/Owner. Conduct negotiations with property owners with the assistance of the Owner until a settlement is reached or condemnation is necessary. Maintain a diary of negotiations for each parcel. Any condemnation determination, negotiation, and other related proceedings will be by others. No effort is included in this scope for condemnation.
 - D. Easement Agreement – (Telics) Provide a written agreement to include the terms of the easement. Facilitate review of terms with Owner and signature. No attorney fees are included for executing agreement.
 - E. Easement Staking – (Stewart Engineering) Provide one (1) field staking/painting per property to delineate proposed easements. Staking to be completed by a licensed land surveyor.
 - F. Easement Maps – (Stewart Engineering) Provide plat maps and legal descriptions from a licensed surveyor in both word and PDF format. Following easement negotiations with property owners, plats will be filed with the County register of deeds by the surveyor. No easement staking is included. Easements are assumed to be necessary for the access drive to the pump station. It is assumed that the easements mentioned below will require recording in both Durham and Wake counties.

Additional Services

Any services not specifically provided for in the above scope will be authorized by the Client in advance, billed as additional services, and performed at our then-current hourly rates. Additional services we can provide include, but are not limited to, the following:

- A. Public Outreach
- B. Stream Bank Restoration
- C. Construction Administration and Construction Observation services for the project areas.
- D. Additional Level A SUE (test hole) and geotechnical investigation services beyond services described above.
- E. Exploratory work inside buildings.
- F. City/County Planning or Board of Adjustment (BOA) submittals, reviews, correspondence, etc.
- G. ADA/PROWAG design, submittals, reviews, and correspondence.
- H. Surveying services required for Record Drawings (if provided by Kimley-Horn in lieu of the Contractor).
- I. Surveying services required for the delineation of species trees.
- J. Environmental or arborist services required for the identification and delineation of species trees.
- K. Wetland/stream mitigation site selection and design (if necessary).
- L. SEPA Environmental Assessment (EA) or Categorical Exclusion.
- M. Cultural resources surveys (historical/archaeological).
- N. Protected or endangered species surveys.
- O. Quantitative analysis of indirect and cumulative impacts.
- P. Attendance at additional public meetings such as public workshops and public hearings not specifically outlined.
- Q. Attendance at or preparation for additional public presentations to select board.
- R. Environmental Impact Statements (EIS).
- S. HEC-Studies.
- T. Redesigns of facilities after approval of the 90% review submittal.
- U. Court appearances or preparation for litigation.
- V. All services associated with preparing landscaping plans.
- W. All services associated with pedestrian access ramps beyond the assessments and replacements listed above.
- X. Additional services not included in the above.

Schedule

A schedule will be developed by the Consultant to meet the Owner's needs.

Due to the tight schedule timeline of the project, the design tasks are being performed in reasonable detail to ensure progress towards the construction phase. However, it is important to note that the level of detail may be adjusted to meet the project's time constraints. While every effort is made to provide accurate and comprehensive designs, the fast-paced nature of the project may result in certain aspects being addressed in a more concise manner. We strive to balance efficiency with quality and will ensure that all necessary elements are included to facilitate successful construction. Please feel free to reach out to us if you have any specific concerns or questions regarding the level of detail in the design tasks.

Client Responsibilities

1. Provide reviews on design plans and specification submittals at intervals mutually agreed upon in the overall schedule.
2. Provide constructability feedback and guidance for design options throughout design process including TMPs.
3. Attend all meetings
4. Develop costs for each design interval and provide feedback to Consultant during design process on relative costs for design alternatives.