



June 17, 2022

Mr. Ed Mullinax  
Cartersville Water Department  
148 Walnut Grove Road  
(PO Box 1390)  
Cartersville, GA 30120

Re: Surveying, Engineering and Construction Administration Services for  
High Pressure Zone Improvements Project

Dear Mr. Mullinax:

Prime Engineering is pleased to submit this proposal to provide professional surveying, engineering design, and construction support services and act as Engineer-of-Record to design approximately 2,150 LF of proposed 8-inch/12-inch DIP water main, 3,150 LF of proposed 16-inch DIP water main, abandoning portions of lines and converting lines from one pressure zone to another.

#### **INTRODUCTION AND PROJECT GOALS:**

Prime Engineering has performed a preliminary site visit and reviewed Cartersville provided City GIS maps of the existing water system. We have also met with City of Carterville Department of Water staff to gain a better understanding of the existing conditions and project objectives. The primary intent of this project is to install water mains, valves, and other minor modifications in the area north of East Main Street, east of Joe Frank Harris Pkwy (US 41) and south of Zena Drive and east along Center Road to the Center Road Pump Station in order to fully separate the high pressure zone from the lower pressure zone in the area. Additionally, new connections to the Kohl's Pump Station will allow redundant pump feed into this zone greatly increasing reliability of the system. This revised pressure zone can address low pressures in this area and provide a more stable pressure envelope. The new zone also improves water age and supports increased demands. Proposed hydraulic grade range possible is up to 1150 ft. with the tank overflow set at 1204. It may also improve tank age in the 3 MG tank east of I-75. In addition, waterlines will be designed to connect Roving Hills Circle to Clearview Drive and Overlook Way to Unnamed road to the southeast (cul-de-sac).

#### **PROJECT BACKGROUND AND APPROACH:**

The Cartersville Water Department has been studying and trying to determine the best corrective action to improve the pressure zones reliability for many years. The failures in the zone, as well as the previous modifications made between the City and County over time have made the system work but not optimally. Additionally, since no looping/redundancy exist in the system, if one pump station were to shut down and a break in the line were to occur on the east side of I-75, the 3 MG storage tank may not be able to supply sufficient water to a possible fire event. With the proposed modifications, the system will be completely looped and have

redundant pump systems which will ensure service to the entire zone even in the event of a pipe break.

The Water Department recommends completing this project by installing approximately 3,150 linear feet of 16-inch watermain, 2,150 linear feet of 8-inch/12-inch water main, new 12-inch isolation valves, and connecting numerous dead-end lines. By making these various modifications, the pressure will increase, water quality will improve and retrofitting the existing pumps with new pumps (Separate contract) will provide a more economical operating system. It is expected that most of the work will be performed within the right-of-way, but additional easements will be required. Depending on the final lay-out of the mains and other factors such as adjacent utilities, structures, or encroachments, we anticipate 20 - 24 easements may be necessary.

An overview of the proposed modifications south of Zena Drive is shown in Figure #1.

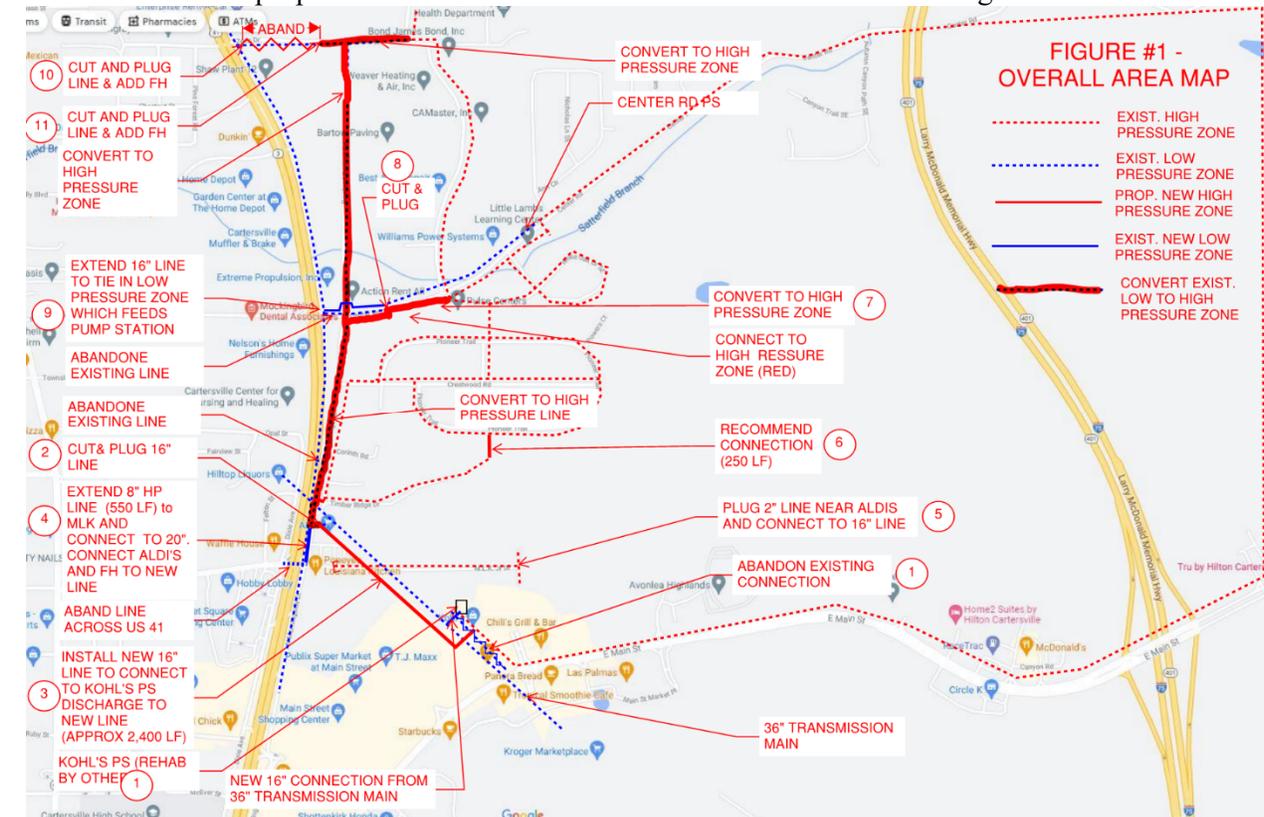


Figure #1 – Overview of Zone modifications

A detailed breakdown of the proposed modifications is listed below.

- 1) Abandon existing inlet connection between the Kohl’s Pump Station and East Main Street and replace with a new inlet connection that runs from the 36” transmission main to the Kohl’s Pump

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Station;

- 2) Cut and plug 16-inch at the 36-inch transmission main near the intersection of the 36-inch transmission main with Rowland Springs Road (See Figure #2);
- 3) Install new 16-inch line that runs parallel to the existing 36-inch transmission main (along the power easement) and connect the 16-inch line described in Item #2 above to the discharge header pipe at the Kohl's Pump Station (approximately 2,400 LF) (See Figure #2);
- 4) Extend 8" line Rowland Springs Road to MLK Jr. Drive and connect fire hydrant at Aldi's to this line (approximately 550 LF). Line will be on low system.  
Abandon 6" line between MLK Jr Drive and Target and convert meters to 20" line;  
Abandon line on MLK Jr. Dr between Dixie Ave and N. Morningside/Rowland Springs (See Figure #2);
- 5) Plug 2" line on MLK Jr. Drive near Aldi's and place all residence on this road on the high pressure system (See Figure #2);
- 6) Connect 8-inch dead-end line on Timber Ridge Trail with waterline on Pioneer Trail (approximately 250 LF);
- 7) Cut and plug connection on Center Road and reconnect high pressure zone to isolate from low pressure zone (See Figure #3);
- 8) Cut and plug line on Center Road to isolate two zones(See Figure #3);
- 9) Install new 16" line (approximately 725 lf) from existing 24-inch transmission line in low pressure zone at Joe Frank Harris Pkwy up Center Road and connect to existing pump station feed line approximately 500 feet east of Rowland Springs Road. Abandon parallel 6" line along this same route (See Figure #3);
- 10) Cut and plug existing line and add fire hydrant on Zena Drive at Joe Frank Harris Parkway (US 41) (See Figure #2);
- 11) Cut and plug existing line on Zena Drive at fire hydrant just east of Roland Springs Road (approximately 100' west) (See Figure #2);
- 12) Install 8" waterline (approximately 550 lf) via cross country connection from Roving Hills Circle to Clearview Drive (See Figure 4);
- 13) Install 8" waterline (approximately 800 lf ) via cross country connection from Overlook Way to Unnamed road to the southeast (cul-de-sac) (See Figure 4);

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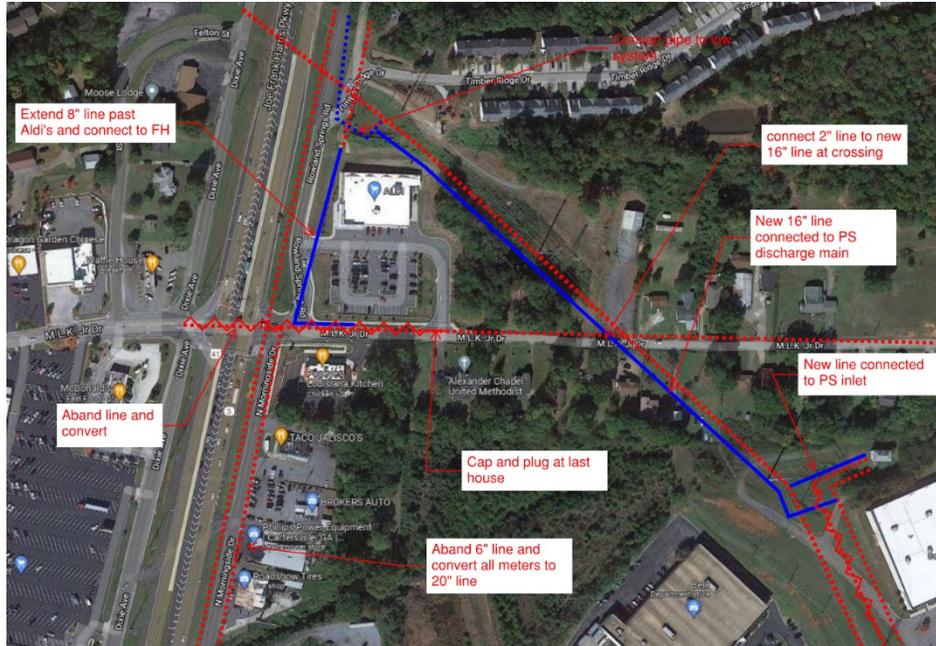


Figure #2 – Area Map

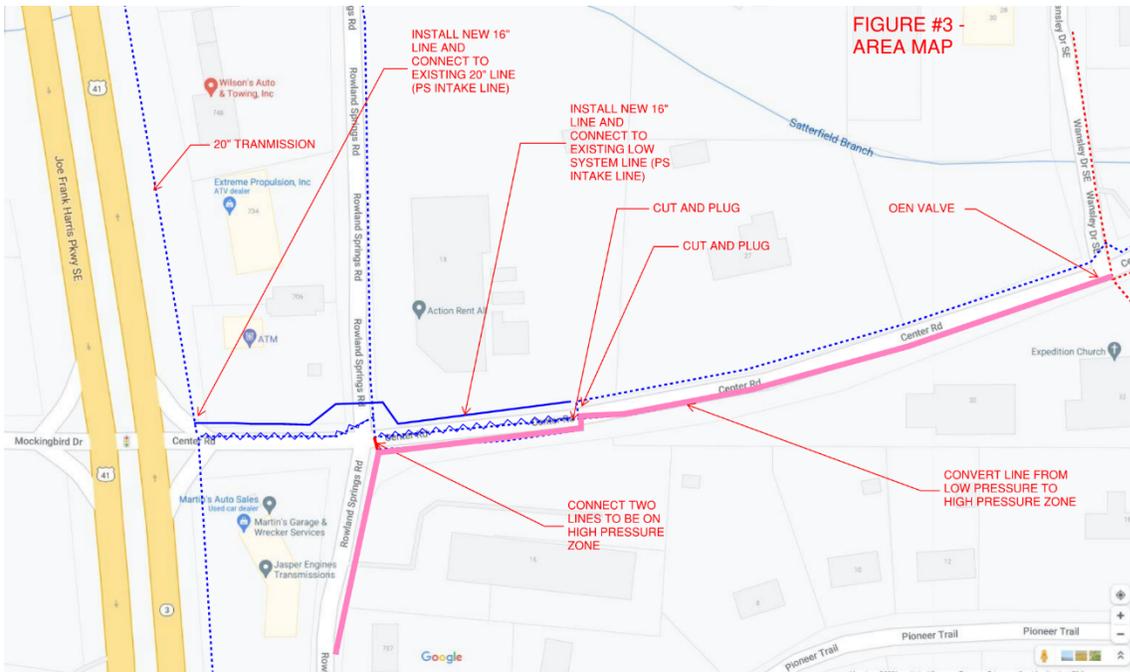


Figure #3 – Area Map

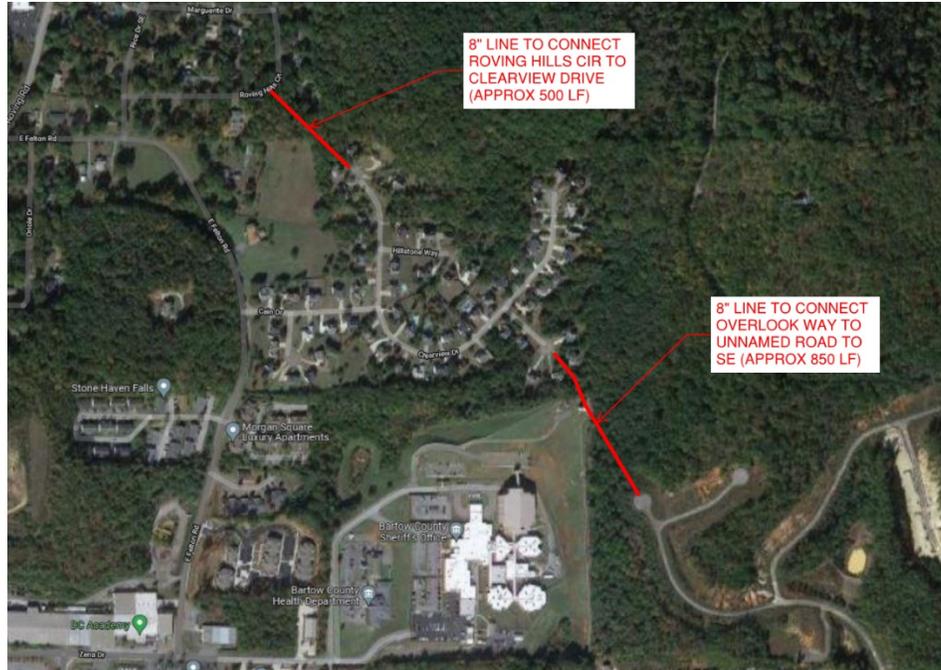


Figure #4 – Area Map

**RISKS:**

**1. Project Specific Risks**

- Working adjacent to other utilities and in the Right-of-Way.
- Temporary traffic control plans will be required.
- New pipes in highly congested roads with lots of utilities.

**2. Impact on Operations and Maintenance**

- Some new dead ends along new and existing zone boundary.
- Project changes to current use of Kohl's booster station.

**SCOPE OF SERVICES:**

This proposal is based on our understanding of the scope of the project, as described above and as outlined in the task below. There are numerous other small line abandonments and valve closures which will be finalized during the survey and design phase of the project.

The following Scope of Services identifies the major tasks that Prime Engineering will provide, as related to the preparation of construction plans, easement and permitting documents, and support during construction for the High Pressure Zone Modifications project. Our Services will be broken down into Tasks as outlined below:

***Task 1–Planning and Progress Tracking:***

Mr. Paul Boyer, PE will serve as Project Manager. She will be responsible for coordinating with the

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Cartersville Project Manager and managing our team's efforts to successfully complete this project.

The Planning and Progress Tracking Phase Task will include attending project meetings, documenting meeting minutes, and providing monthly invoicing and project status reports, which will include the following:

- Conducting a project Kickoff meeting with the Cartersville Water Department Project Manager (PM) and key Stakeholders of Cartersville Water Department to verify the Scope of Services, schedule requirements, and other special conditions or considerations;
  - Activities performed during billing cycle;
  - Anticipated activities to be performed in the upcoming billing cycle;
  - Description of Project issues and Scope changes;
  - Updated monthly cash flow projection for the remainder of project;
  - Updated project schedule (MS Project format);
  - Conduct monthly meetings with Cartersville Water Department Project Manager to review project progress;
  - Conduct monthly Progress Meetings and special called meetings during construction;
  - Budget status by Task:
    - Earned Value (EV), with Spent-to-Date, annually;
    - Estimate to Complete (EC);
    - Estimate at Completion (EAC);
  - QA/QC of all deliverables.
- ✓ Deliverables:
- Documented Meeting Minutes/Summaries;
  - Monthly invoices;
  - Monthly Project Status reports to include:
    - Reporting Period
    - Work Accomplished This Period
    - Work to be Completed Next Period
    - Project Issues
    - Pending Action items
    - Schedule Status
    - Budget Status (EV, EC, EAC)
    - Updated Monthly Cash Flow
- ✓ Assumptions:
- Assumes 10 monthly meetings with Cartersville Water Department Project Manager (from NTP thru Design);

***Task 2 -Design Phase:***

The Design Phase Task will include Preliminary Engineering, database preparation and preparation of plans, required for construction of the proposed water mains.

***2.1- Preliminary Engineering***

Work to be performed includes:

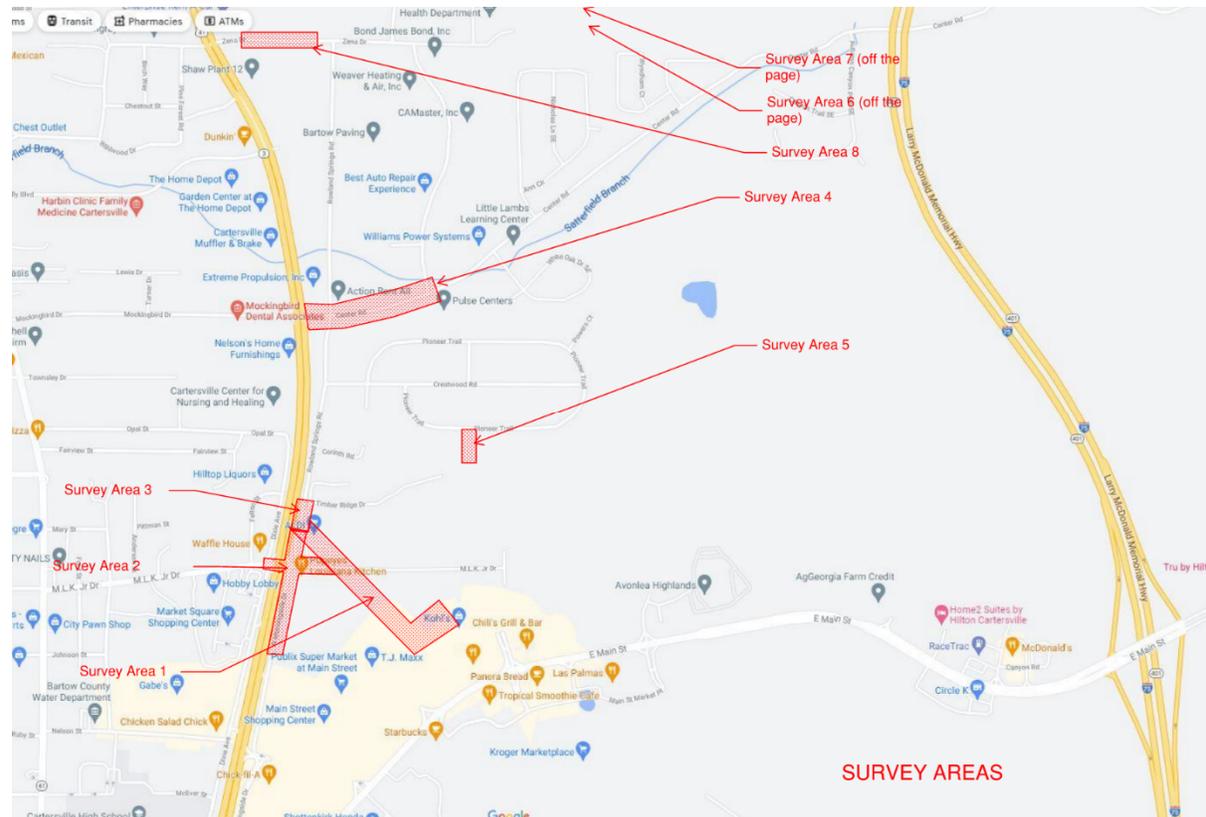
- Preparing a base map in CAD using GIS data to be used in Preliminary Engineering;

- Route layout and analysis of water mains;
  - Alternate options for water main route analysis (with consideration to traffic, constructability, etc.);
  - Conduct a field visit walk of the alignment with Cartersville Water Department personnel;
  - Preliminary Cost Estimate (OPCC  $\pm 30\%$ );
  - Evaluation of tie-ins of the water mains to existing mains;
  - QA/QC of all deliverables
  - Preliminary (10%) Design Review Meeting with Cartersville Water Department
- ✓ Deliverables:
- Technical Memorandum in electronic format and hard copy to include :  
Route analysis of new water main including alternate routes if available, Evaluation of installation methods; Evaluation of pipe materials; Preliminary Cost Estimate;
  - Minutes of the 10% Design Review meeting (As part of the review the Cartersville PM will use a comment log with consultants responses for tracking purposes);
- ✓ Assumptions/Expectations of Cartersville Water Department:
- Cartersville Water Department to provide access to As-builts of existing water mains, and gravity sanitary sewers utilizing GIS;
  - Cartersville Water Department will provide GIS files to be used in route analysis for development of the TM.

## *2.2- Database Preparation*

This sub-task includes:

- Obtaining all available information related to visible existing utilities, roadway improvements, parcels, easements, and rights-of-way;
  - Conducting a site visit to observe site specific conditions, observable conflicts, traffic patterns, or other related constructability issues;
  - Conduct SUE Level B survey of the utilities in the route of the proposed waterlines;
  - After SUE B utilities locations are demarcated in the field we will perform field survey to obtain detailed information in support of the construction drawing development (assumed survey corridor widths; Along roadway - R/W to R/W, Along cross-country easement areas – 50 feet).
- Field Survey Specifications:
- All visible planimetric features within design corridor (right-of-way to right-of-way along roads, and fifty feet (50') wide across properties;
  - Datum- Horizontal: NAD 1983 / Vertical: NAVD 1988;
  - Coordinate System- State Plane Coordinate (Georgia West);
  - Contour Interval – 2-foot;
  - Locate SUE-Level 'B' markings;



- Field Survey Activities:
  - Researching adjoining property owners for current deeds and plats;
  - Setting GPS control "pairs" tied to NGRS (SPC, NAD83(1994), NAVD 88) utilizing RTK (eGPS);
  - Setting horizontal/vertical control points;
  - Property evidence;
  - 3D terrain features;
  - Above ground "visible" utilities;
  - Marked underground utilities;
  - Buildings, sidewalks, signs, walls, fences, mail boxes, etc.;
  - Edge of pavement and back of curbs;
  - Planted or ornamental trees larger than 6" DBH;
  - Road centerlines, medians, islands, pavement edge, etc.;
  - Landscaped areas (outline);
  - Fire hydrants and water valves;
  - Sanitary sewers (Sizes, pipe material, top of structure, inverts of pipes)
  - Water mains (valves, hydrants and other visible features)
  - Storm drain systems (sizes, pipe material types, structure elevation tops and inverts);
  - Preparing a digital terrain model (DTM) with a plotted 2-foot contour interval, at a

scale not less than 1" = 30'.

- QA/QC of all deliverables
- ✓ Deliverables:
  - Electronic copy of the field run topographic and utility survey, in DGN and PDF format;
  - Hard copy of signed/sealed survey by a Georgia Registered Land Surveyor;
  - Provide a written geotechnical scope, with soil boring locations, for Cartersville Water Department to provide to a geotechnical firm to write a proposal to Cartersville Water Department;
  - Provide review of the geotechnical firm proposal.
- ✓ Assumptions:
  - Geotechnical explorations and material testing services are excluded from this proposal, and will be performed under separate Cartersville Water Department CMT Annual Contract;
  - Provide hard copies of Plans – 2 Full-Size (22"x34") sets, 5 Half-Size (11"x17") sets;
  - Provide hard copies of Specifications – 2 sets Table of Contents
- ✓ Assumptions:
  - SUE Level 'A' Vacuum Extractions is **not included** in this proposal and will be performed under separate Cartersville Water Department Contract;

*Task 2.3 30% Design (Concept)*

This sub-task will include preparation of the water main installation base sheets and proposed water main alignment. Work to be performed includes:

- Preparing water main installation base plan sheets using field survey deliverable from Task 2.2 as the basis of design (Scale 1"=30')
- Preparing Cover Sheet and General Notes sheets
- Identifying Stream Buffer Variances and/or Wetlands Mitigation, and begin permitting from GaEPD and/or ACOE (Do not anticipate any based on preliminary review)
- Developing alignment of the proposed water main
- Identifying easement needs for Temporary Construction and Permanent maintenance of the water main
- Preparing Preliminary Opinion of Probable Construction cost (OPCC)
- Participating in 30% design review meeting with Cartersville Water Department to confirm alignment, and review design schedule, prior to proceeding with final design
- After the 30% design is approved, coordinate with Cartersville Water Department Project Manager to have vacuum extraction holes conducted on key utilities to perform SUE Level 'A' utility locations;
- Performing ongoing QA/QC review of the design and deliverables.
- Coordinating with Cartersville Water Department Public Information Officer and participating in a public outreach meeting, to include identifying and coordinating meeting location, sending out meeting invitations to stakeholders, prepare and coordinate meeting plan, preparing meeting materials (exhibit boards, handouts, etc.), and providing appropriate Design Team members to answer questions at an "Open House" style meeting.

- ✓ Deliverables:
  - Provide a written SUE Level ‘A’ Vacuum Extractions scope with utility crossing locations for Cartersville Water Department to provide to a separate firm to write a proposal to Cartersville Water Department
  - Provide review of the separate firm’s SUE Level ‘A’ proposal;
  - Provide Plan Sheets to include:
    - Cover Sheet;
    - Sheet Index with key identifying each sheet location on the route;
    - General Notes;
    - Conceptual route plan sheets of water main;
    - Detail Blowup of Tie-In Locations;
  - Provide Opinion of Probable Construction Cost (OPCC);
  - Provide Minutes of the 30% Design Review meeting (The Cartersville PM will use a comment log with consultants responses for tracking purposes);
  - Provide hard copies of Plans– 2 Full-Size sets (22” x 34”), and 5 Half-Size sets (11” x 17”);
  - Provide Specifications – Table of Contents – 2 sets;
  - All above listed deliverables to be provided to Cartersville Water Department in electronic format (both DGN and PDF) and hard copy.
  - All necessary presentation materials for Public Outreach Meeting.
  
- ✓ Assumptions/Expectations of Cartersville Water Department:
  - SUE Level ‘A’ Vacuum Extractions are excluded from this proposal and will be performed under separate Cartersville Water Department CMT Annual Contract.
  - Cartersville Water Department will provide all modeling analysis needed to verify new pressure zone.
  - Cartersville Water Department Public Information Officer to work with Engineer’s Public Outreach Team to hold a public outreach meeting.

#### 2.4 - 60%Design (Preliminary)

The preliminary design drawings and specifications required for construction will be prepared under this sub-task. Work to be performed includes:

- Incorporating the new SUE Level “A” Vacuum Extraction data into survey base files;
- Addressing comments received from the 30% Design Review meeting and incorporating these into the design drawings and specifications;
- Preparing design drawings for the construction of the water main installation, which include: Cover Sheet, Sheet Index with key identifying each sheet location on the route, General Notes, Preliminary Plan drawings based on CWD-approved 30% Conceptual plans, traffic control plans - with special consideration given to minimize impact to traffic, pavement/stripping plans, construction details including tie-in details and thrust restraint, and erosion control plan sheets
- Coordinating with a Cartersville Water Department-contracted Annual Contract geotechnical firm for geotechnical explorations, and report of findings and recommendations

- Preparing easements for Temporary Construction and Permanent maintenance of the water main
  - Preparing Preliminary Specifications using Cartersville Water Department Linear Assets Standard Specifications as the basis for modification
  - Review constructability and develop a sequencing of work;
  - Updating Opinion of Probable Construction Cost (OPCC)
  - Participating in 60% Design Review meeting to confirm Preliminary design, constructability, sequencing of work, and review design schedule, prior to proceeding with Final Design;
  - Performing ongoing QA/QC review of design and deliverables
- ✓ Deliverables
- 60% Design Drawings;
  - Preliminary Specifications;
  - Thrust Restraint Calculations;
  - Easement Plats;
  - Updated OPCC  $\pm 20\%$ ;
  - Minutes of the 60% Design Review meeting (The Cartersville PM will use a comment log with consultants responses for tracking purposes);
  - Plans – 2 Full-Size sets (22" x 34"), and 5 Half-Size sets (11" x 17");
  - Specifications – 2 sets (8½" x 11");
  - All above listed deliverables to be provided to Cartersville Water Department in electronic format (both DGN and PDF) and hard copy;
- ✓ Assumptions/Expectations of Cartersville Water Department:

*Task 2.5 - 90% Design*

The 90% Design sub-task will be used to complete the design drawings to the level of completion required for permit submittal. Work to be performed includes:

- Addressing comments received from the 60% Design Review meeting and incorporating these into the design drawings and specifications;
  - Finalizing Plan sheets, erosion control plans, details, etc.
  - Preparing stream monitoring plan, testing requirements, and associated notes for inclusion in the Erosion, Sedimentation & Pollution Control Plan (ES&PCP);
  - Preparing Bid Form and Supplementary Conditions for initial review;
  - Updating the OPCC
  - Updating Specifications with Supplemental Specifications (SUP);
  - Participating in 90% Design Review meeting (The Cartersville PM will use a comment log with consultants responses for tracking purposes);
  - Performing ongoing QA/QC review of design and deliverables.
- ✓ Deliverables:
- 90% Design Drawings;
  - Final Specifications,
  - Updated OPCC  $\pm 10\%$ ;
  - Minutes of the 90% Design Review meeting;

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- Electronic Copy of 90% Plans, and Specifications;
  - Hard Copy of 90% Design Plans – 2 Full-Size (22”x34”) sets, 5 Half-Size (11”x17”) sets;
  - Hard Copy of Specifications – 2 sets;
  - Bid Form;
  - Supplementary Conditions;
  - All above listed deliverables to be provided to Cartersville Water Department in electronic format (both DGN and PDF) and hard copy.
- ✓ Assumptions/Expectations of Cartersville Water Department:
- Supplemental Specifications (SUP) will be included for items as required by the project, but not covered in the City of Cartersville Standard Specifications.

*Task 2.6-100% Design (Final / Bid Ready)*

During this sub-task, the contract documents will be completed such that the project is ready for submittal to City of Cartersville Purchasing for solicitation of construction bids. Work to be performed includes:

- Addressing comments received from the 90% Design Review meeting;
- Preparing/finalizing the required documents for submittal to Purchasing for the advertisement of construction bids, including;
- P.E. sealed bid documents – electronic submittal (both DGN and PDF) to Cartersville Water Department and Purchasing in PDF format:
  - Front-End Documents;
  - Technical Specifications;
  - Drawings;
- P.E. sealed bid documents – hard copy submittal to Purchasing:
  - Two copies of unbound sets of front-end documents (single sided);
  - Two copies of unbound sets of Technical Specifications (single sided);
  - One set of unbound Drawings;
  - One bound set of front-end documents (single sided);
  - One bound set of technical specifications (double sided)
- P.E. sealed bid documents – hard copy submittal to Cartersville Water Department:
  - Two bound sets of front-end documents (single sided);
  - Two bound sets of Technical Specifications (double sided);
  - Two half-size sets of Drawings;
- Updating OPCC ±10%
- Performing ongoing QA/QC review of design and deliverables.

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We anticipate the following Drawing List for the project:

G-000	Cover Sheet
G-001	General Abbreviations, Notes and Legends
G-002	General Notes
C-200	Key Map
C-201 to C-210	Water Main Plans & Profiles
C-210 to C-213	Iso Valve, Misc Abandonments, FH Installations
C-401	Construction Details
C-402	Construction Details
C-403	Construction Details
C-404	Construction Details
C-405	Construction Details
C-409	Pavement Details
C-501	GDOT Permit Plan & Profile (if required)
C-601	Closure Plans
C-602	Closure Plans
EC-001	Erosion and Sediment Narrative Plan
EC-002	Erosion and Sediment Control Notes
EC-003	Erosion and Sediment Control Notes
EC-004	ES and PC Checklist
EC-005	Soils Info and Comprehensive Monitoring Plan
EC-006	Receiving Waters Basin Map
EC-201 to EC-210	Erosion Control Plan
EC-401	Erosion Control Details
EC-402	Erosion Control Details

✓ Deliverables:

- All Bid Documents, as described above, for submittal to Purchasing;
- Plans – 2 Full-Size sets (22" x 34"), and 5 Half-Size sets (11" x 17");
- Specifications - 2 Sets (8½" x 11");
- Updated OPCC
- All above listed deliverables to be provided to Cartersville Water Department in electronic format and hard copy.

***Task 3 – Permitting:***

The Permitting & Land Acquisition Phase Task will include obtaining all permits, and preparing condemnation-ready easement plats, necessary to construct the proposed water main.

***Task 3.1 - Land Acquisition at 60% Design (Preliminary)***

This sub-task will include preparation of condemnation-ready plats. Work to be performed includes:

- Preparing up to Twenty-four (24) temporary construction easements and Twenty-four (24) condemnation-ready easement plats for the establishment of Temporary Construction and Permanent easement(s) as required for the construction and maintenance of the project;

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- Assisting Cartersville Water Department with easement modifications for the acquisition of the required easements.
- QA/QC of all deliverables
- ✓ Deliverables:
  - Provide in electronic format and hard copy, Condemnation-ready easement plats for up to 24 Temporary Construction Easements and 24 Permanent Easements, signed and sealed by a Professional Land Surveyor licensed to practice in the State of Georgia.
- ✓ Assumptions/Expectations of Cartersville Water Department:
  - Based on assumption of approximately 24 Temporary Construction Easements and 24 Permanent Easements.

*Task 3.2-Land Acquisition at 90% Design (Permit Ready)*

This sub-task will include updating condemnation-ready plats for Temporary Construction and Permanent easements necessary for permit submittal. Work to be performed includes:

- Updating easement plats.
- QA/QC of all deliverables
- ✓ Deliverables:
  - Provide in electronic format and hard copy, updated Condemnation-ready easement plats for up to 24 Temporary Construction Easements and 24 Permanent Easements, signed and sealed by a Professional Land Surveyor licensed to practice in the State of Georgia.
- ✓ Assumptions/Expectations of Cartersville Water Department:
  - Based on assumption of approximately 24 Temporary Construction Easements and 24 Permanent Easements.

*Task 3.3-Permitting*

This sub-task will include making necessary submittals to, and obtaining permits from, required jurisdictional agencies. Work to be performed includes:

- After incorporating 90% Design Review comments into the Design Drawings and Specifications, preparing Land Development Permit (LDP) application package, and submitting to the City of Cartersville for review;
- After incorporating 90% Design Review comments into the Design Drawings and Specifications, preparing Georgia Department of Transportation (GDOT) Utility Encroachment Permit packages, and coordinating with Cartersville Water Department for submittal to GDOT Utility Coordinator;
- Addressing comments received during the regulatory permit review process and obtaining permits required for construction.
- QA/QC of all deliverables
- ✓ Deliverables:
  - Land Development Permit (LDP) from the City of Cartersville;
  - GDOT Utility Encroachment Permits;

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- ✓ Assumptions:
  - Cartersville Water Department will pay all permit fees, if not waived;
  - No EPD Stream Buffer Variances are anticipated;
  - No ACOE permits are anticipated;
  - Archaeological shovel testing would not be required;
  - No archaeological sites or cemeteries will be located during the site survey;
  - No eligible historic resources will be located by the site survey;
  - The project will have no adverse effect on historic or archaeological resources;

**SCHEDULE:**

Based on the Scope of Services identified in this proposal, and an estimated Notice to Proceed date of September 1, 2021, the enclosed proposed schedule has been developed:

NTP to Consultant	07/01/2022
Design Begins	07/01/2122
Preliminary Design 10% Submittal	09/01/2122
30% Design Submittal	11/01/2122
60% Design Submittal	01/01/2023
Easement Acquisition (Starts)	01/01/2023
90% Design Submittal	03/01/2023
Design Ends (100% Submittal)	04/01/2023
Permitting Complete	05/01/2023
Bidding Begins	TBD
Construction Begins	TBD
Construction Complete	TBD
Project Closeout	TBD

Schedule dates can be adjusted to meet City’s final deliverable needs.

**PROJECT BUDGET:**

The project will be invoiced monthly according to the actual hours spent. Not-to-Exceed fees are based on the Scope of Services listed in this proposal.

Task 1 – Project Management	\$ 29,570.00
Task 2 – Survey	\$ 62,110.00
Design Phase	\$ 113,320.00
Task 3 – Easements & Permitting	\$ 50,850.00
<b>Subtotal</b>	<b>\$ 255,850.00</b>
<b>Reimbursable Costs</b>	<b>\$ 2,500.00</b>
<b>Owner Controlled Allowance</b>	<b>\$ 25,000.00</b>
<b>Total Not-to-Exceed Amount</b>	<b>\$ 283,350.00</b>



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Once the proposal is accepted, Prime Engineering will prepare an EJCDC Contract to supplement this proposal. Please contact Rob MacPherson should you have any questions regarding this proposal. We appreciate the opportunity to work with you on this project.

Sincerely,

A handwritten signature in blue ink that reads "Robert R. MacPherson".

Robert R. MacPherson, P.E.  
Vice President  
Prime Engineering, Inc.

Enclosures      Project Budget  
                            MH Estimate