



CIVIL ENGINEERS • SURVEYORS

TRANSPORTATION | TRAFFIC | STRUCTURE/BRIDGE | DRAINAGE/H&HA | SWM DESIGN | ROW/EASEMENT ACQUISITION | GEOTECHNICAL
UTILITY DESIGN/RELOCATION/COORDINATION | SITE-CIVIL | SURVEYING | CONSTRUCTION AND ENVIRONMENTAL SERVICES | DESIGN-BUILD DELIVERY

February 16, 2025
February 28, 2025 (REV 01)

Andrew Jinks
Transportation Engineer – Town of Vienna
127 Center Street (S)
Vienna, VA, 22180

RE: Task Proposal for Professional Services
RFP 23-17 On-Call Engineering Services for Local-State-Federal Projects:
Pedestrian/Bicycle Improvements – Locust Street Trail Improvements

Dear Mr. Jinks:

Please find attached our fee proposal for professional engineering design and surveying services for the completion of design plan, right of way services and bid/construction engineering support. The proposed improvements will provide for provide a pedestrian/bicycle trail between Center Street S. and the W&O Trail within Vienna, as conceptually shown in **Attachment 3**. RDA will perform all survey, geotechnical, design and right of way services, along with limited environmental services for this task order. The plans will be prepared in accordance with the Town's and/or VDOT's requirements and the RFP 23-17 On-Call Engineering Services (RFP), whichever may apply.

Scope of Services

The scope of services has been determined by Rinker Design Associates (RDA) based discussions with the Town to review the project's limits:

Survey Task(s)

1. Obtain topographic and property survey along the conceptual alignment of the pedestrian/bicycle facility between Center Street S and W&O Trail, adequate to complete design of the improvements identified. As requested by the Town of Vienna, the following will also be applicable:
 - a. RDA will provide utility designations and conduct underground utility designation research, since the potential to add storm sewer arises with this project. RDA will utilize a sub-consultant to conduct the utility designation. (See **Attachment 5**)
 - b. Topographic survey will extend a minimum of 20 feet onto adjacent to the proposed conceptual alignment, which shall include all topographic items (man-made and natural items, e.g. trees, shrubs, planters, etc.). The limits of survey is defined as shown in **Attachment 4**
 - c. RDA has assumed up to four (5) utility test pits may be required to avoid utility relocation with storm sewer design. If additional utility test-pits are required, a change order shall be required to obtain the additional test-pits. (See **Attachment 5**)
 - d. RDA will conduct boundary research for property lines and show with topographic survey.
 - e. RDA will prepare survey notification letters for the Town's review prior to mailing. Town to provide letterhead.
 - f. Town to coordinate any permissions with Public School and NOVA Parks permit. RDA to provide any information/documentation to supplement permit as applicable. Town is





responsible for all fees. NTP to be on public school or NOVA Park property shall require permit from NOVA Parks.

Design Task(s)

1. The design of the pedestrian/bike facility will also consist of the following:
 - a. Typical section will consist of a minimum 10' sidewalk/shared use path.
 - b. Plans to clearly depict limits of construction toe of slope, existing vegetation/trees/shrubs to be removed.
 - c. The plans will also show the potential locations for trees of the Town's choice to be installed if warranted/desired; however a landscaping plan will not be provided within the project's plan set.
2. The project will design the pedestrian/bike facility to Shared Use path standards as outlined by Town and VDOT requirements as applicable. The design limits are as that shown in **Attachment 4**.
3. No curb ramps or intersection improvements will be provided within the project limits, particularly at the intersection of Locust Street SW/Center Street S.
4. RDA will provide for drainage improvements within the project limits to address drainage concerns that may be present. Given cost is a limiting factor, all drainage improvements are subject to actual construction funding and RDA will work with Town to provide as much as possible.
 - a. RDA will review water quantity requirements. For the scope of this project no man-hours have been assumed to design any downstream improvements/design(s) to address any potential substandard conditions. If the Town requires downstream improvements be made, additional man-hours will be required.
5. No stormwater management pond or BMP will be designed as part of this project. RDA will propose a design that utilizes nutrient credits only.
6. Environmental Services - RDA will prepare the following:
 - a. A wetland delineation of the site along with associated data, mapping, and deliverables that DEQ and USACE will need for confirmation and permit authorization.
 - b. RDA environmental staff will work with project engineers to develop an impact map that represents all permanent and/or temporary impacts that the project will have on wetlands and streams. If needed, associated documentation and field studies that facilitate wetland and stream mitigation will be performed and included with the permit application. This task also includes general database coordination for threatened and endangered species as well as cultural resources along with a suite of additional deliverables that are typically included in the Joint Permit Application which will ultimately result in permit issuance for the project. This does not include additional studies recommended or requested by regulatory agencies.
 - c. The team will prepare Phase 1 Environmental Site Assessment, to be provided to Town and VDOT for their SERP. (See **Attachment 6** for details.)
7. For the culvert crossing, the team will provide geotechnical services to obtain bedding recommendations. (See **Attachment 6** for details.). Through scoping discussion, a bridge is not scoped.
8. RDA will prepare quantities/estimate for final construction package and project's bid-package. Additionally, RDA will prepare a scope of work for the overall bid-package (prepared by the Town) and assist the Town with any follow-up questions from the bid-package.
9. RDA will perform utility coordination services as appropriate. RDA assumes Town's utility franchise agreements will be in effect for utilities within the Town. RDA has assumed additional hours for coordination with NOVA Park and Dominion Energy for the W&O Trail connection. At this time 160 man-hours are allocated. If additional man-hours are needed, RDA will request a change order.
10. RDA will prepare one exhibit and attend a meeting to provide technical support.



- a. RDA will support the Town to help document what impacts are made to adjacent properties and what accommodations may be made during construction. This will ensure that once construction is started the property owners are assured of what will occur.
11. RDA will provide Construction Engineering Support to assist the Town's construction manager during construction on an as needed basis for addressing RFI's, minor plan revisions and/or shop drawings. This line item will be implemented on an as needed basis. At this time, 120 man-hours are allocated. This may include Construction Management activities. If additional hours are needed, RDA will generate a change order based on the requested involvement at construction.

RDA will send out survey notification letters to properties, on the Town's behalf, within the Project's limits prior to RDA survey crews surveying properties. The Town will need to coordinate/submit permits for access on public school and NOVA Parks property.

Right of Way Services: It is anticipated that two plats are required for the project for right of way, drainage easements, and/or construction easements needed for construction. It is further anticipated right of entry agreements with NOVA Parks and Dominion Energy are needed for the W&O Trail connection. RDA will assist with right of way services for the public school/adjacent property for appraisals/negotiations only and will prepare the deeding information, for the Town Attorney to file. For coordination with Dominion Energy (real estate) and NOVA Parks, RDA will assist the Town to obtain these agreements for construction, as typically those agencies will require everything go through Town PM. Please note, further definition of the R/W services is provided in **Attachment 7**.

All design plans will be prepared in accordance with the latest Town of Vienna Standards.

RDA will provide, if requested, a stormwater pollution plan and narrative and provide any information necessary for a VSMP permit that may be prepared by and submitted by Town of Vienna. RDA is not responsible for preparing any permits or VSMP as part of this project.

3.0 Excluded Project Services:

The following represents a list of services/items that were not priced as part of this scope of work, and at this time it is not anticipated they will be needed as part of this task. RDA is committed to providing a wide range of services, and if the Town needs additional services including those excluded (provided they are among RDA's services), we will gladly submit a contract modification for any additions at the Town's request.

1. Preparation of shop drawings or as-built drawings
2. Preparation of complete Construction Bid Documents/Package
 - o RDA is only preparing the Scope and Quantities Section.
3. Any Traffic Engineering studies, traffic counts etc.
4. Design Waiver/Exception Request(s)
5. Any Construction or Utility Stakeout
6. Any stormwater/BMP management design. Any type of Fee. Any purchase of Nutrient Credits
7. Any regulatory, review or permitting fees.
8. Environmental Services: This scope excludes any formal agency coordination outside of what is outlined within this scope. This scope does not include efforts for a Local Environmental Review Process (LERP), however, RDA can accommodate that request if the Town elects to do so. It is assumed that VDOT will be completing a State Environmental Review process (SERP) or a NEPA document for the project.
9. If Town Attorney requires additional title reports or examination of appraisals from BARs, a contract modification shall be required.



4.0 Deliverables and Work Schedule:

Schedule: RDA is committed to attempting to meet any additional reasonable deadline the Town requires for this project.

Deliverables: RDA will obtain written (emailed) approval, or receipt of previous stage comments from the Town before proceeding next plan level stage.

- Survey and Utility Designations
- Preliminary Plans (30%Plans): Plans to develop/understand impacts and start stakeholder coordination for potential impacts and optimizations
- Right of Way Plans/UF1 Plans (60% Plans) to Submit/share to all stakeholders/property owners, for final design approval.
- Final/Construction Plans (90% and 100%): RDA will provide plans that will provide all the additional construction details and quantities.
- Meeting Exhibits (With Town Staff/Property Owners, as needed)
- Two Plats and Right of Entry Agreements with NOVA Parks/Dominion Energy for W&O Trail connection. (Includes R/W of Way Services)

If significant changes (including any drainage design changes) are requested for Final Submission due to property owner negotiations, RDA shall be permitted, based on man-hours to make adjustments request additional man-hours/funds to make the changes.

5.0 Task Order Fee Summary

The estimated Total Project Fee, for this project is **\$447,356**. No contingency for this Task Order has been assigned. Please see **Attachment 1 & 2** for a breakdown of the Task Order Fee Summary.

RDA is looking forward to the opportunity to provide these professional engineering services for the Town of Vienna. Should you have any questions, please do not hesitate to contact me at 703-334-9300, or e-mail me at awelschenbach@rdacivil.com

Sincerely,

Adam Welschenbach
Assist. Director of Transportation Engineering

Attachments:

- Attachment 1: Overall Fee Summary
- Attachment 2: Fee Breakdown
- Attachment 3: Concept Design to Advance
- Attachment 4: Design/Survey Limits
- Attachment 5: Accumark Scope/Fee
- Attachment 6: DMY Scope/Fee
- Attachment 7: Right of Way Services



Attachment 1:

Overall Fee Summary

Attachment 1

Rinker Design Associates, LLC Town of Vienna

Locust Street Trail Improvements - Ped./Bike Improvements

Fee Proposal

Survey Task Total (Lump Sum):	\$54,691
Engineering Design Task Total (Lump Sum):	\$239,043
Utility Coordination (Lump Sum)	\$28,812
Right of Way Services & Public Involvement (Lump Sum):	\$91,102
Construction Engineering Support (Not to Exceed)	\$26,214
Total Direct Costs (Not to Exceed)	\$7,494
 Estimated Total Project Fee	 \$447,356

Note: Assumes plans will be submitted VIA PDF's only.



Attachment 2:

Fee Breakdown Summary

**Rinker Design Associates, LLC
Town of Vienna
Locust Street Trail Improvements - Ped./Bike Improvements**

Direct Cost Summary

1) Meetings/Travel	\$3,080
2) Presentation Materials (For deliverables only, to be billed at cost)	\$0
3) Engineering Products (For deliverables only, to be billed at cost)	\$330
4) Other Miscellaneous Costs (For deliverables only, to be billed at cost)	\$4,084
TOTAL ESTIMATED DIRECT COSTS	\$7,494

Rinker Design Associates, LLC
Town of Vienna
Locust Street Trail Improvements - Ped./Bike Improvements

Direct Cost Summary

1) Meetings/Travel (Federal Milage Rate = 70 cent for 2025)			
a. Project Site			
8 trips @	100 miles r/t x	\$0.70 per mi	= \$560.00
			=
b. Client/Public Meetings			
30 trips @	120 miles r/t x	\$0.70 per mi	= <u>\$2,520.00</u>
Subtotal			\$3,080
2) Presentation Materials (For deliverables only, to be billed at cost)			
a. Xerochrome Color Copies (8 1/2" x 11")			
x	\$1.50	per copy	= \$0.00
b. Graphic Foam Core Displays (4.0' x 8.0')			
number @	\$400.00	per display	= <u>\$0.00</u>
Subtotal			\$0
3) Engineering Products (For deliverables only, to be billed at cost)			
a. Engineering Mylar (24" x 36")			
0 x	\$10.00	each	= \$0.00
b. Engineering Paper Print (11" x 17")			
120 x	\$1.00		= \$120.00
c. Engineering Paper Print (24" x 36" for submissions)			
120 x	\$1.75		= \$210.00
Subtotal			\$330
4) Other Miscellaneous Costs (For deliverables only, to be billed at cost)			
a. Reports & Site Plan research for Design & RW Documents			= \$1,000.00
b. Plan Assembly (Hourly per rate table)			= \$300.00
c. Postage			= \$100.00
d. Plan/Exhibit Delivery			= \$300.00
e. Permitting with Public School and/or NOVA Parks (Est.)			= \$2,000.00
e. DMY (See Attachment 6 for details)			= <u>\$384.00</u>
Subtotal			\$4,084
TOTAL ESTIMATED DIRECT COSTS			\$7,494



Attachment 3:

Concept Design to Advance to Construction

DRAFT

THIS CONCEPTUAL PLAN IS NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR RIGHT OF WAY ACQUISITION

LEGEND

PROPOSED

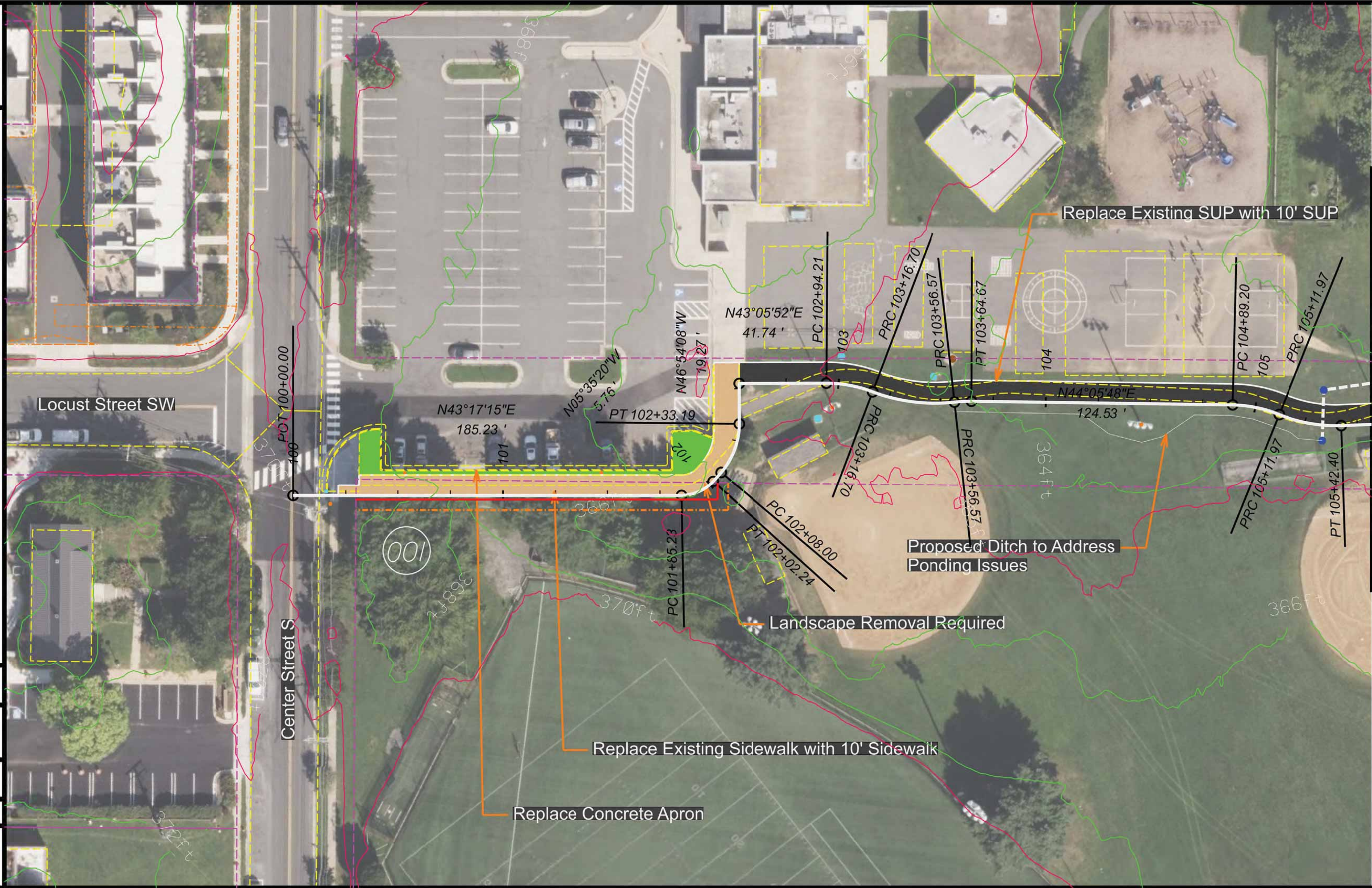
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-  CONCRETE SIDEWALK
-  GRASS BUFFER STRIP
-  FULL DEPTH ROAD PAVEMENT
-  MILL AND OVERLAY
-  DRAINAGE INLET
-  CURB AND GUTTER
-  GUARDRAIL
-  RIGHT OF WAY
-  TEMPORARY EASEMENT
-  PERMANENT EASEMENT

EXISTING

-  ROADWAY EDGE/CURB AND GUTTER/STRUCTURES
-  GUARDRAIL
-  RIGHT OF WAY
-  STREAM/WATERWAY
-  UTILITY POLE
-  DRAINAGE INLET
-  UTILITY MANHOLE/VAULT

PROJECT DATA

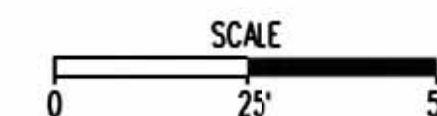
CENTER ST S	FR: MAPLE AVE E TO: CHERRY ST SE
FUNCTIONAL CLASSIFICATION	URBAN MINOR COLLECTOR (GS-7)
AADT	3,300
PROPOSED INCREASE IN IMPERVIOUS AREA	2,825 SF



MATCHLINE STA. 105+56.83 SEE SHEET 4



LOCUST STREET TRAIL IMPROVEMENT
TOWN OF VIENNA, VA



SHEET NUMBER

3 OF 4

DRAFT








THIS CONCEPTUAL PLAN IS NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR RIGHT OF WAY ACQUISITION

LEGEND

PROPOSED

-  ASPHALT SHARED USE PATH
-  CONCRETE SIDEWALK
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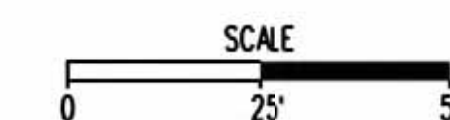
PROJECT DATA

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FUNCTIONAL CLASSIFICATION	URBAN MINOR COLLECTOR (GS-7)
AADT	3,300
PROPOSED INCREASE IN IMPERVIOUS AREA	2.825 SF

MATCHLINE STA. 105+56.83 SEE SHEET 3



LOCUST STREET TRAIL IMPROVEMENT
TOWN OF VIENNA, VA



SHEET NUMBER
4 OF 4



Attachment 4:

Design/Survey Limits

DRAFT

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LEGEND

PROPOSED

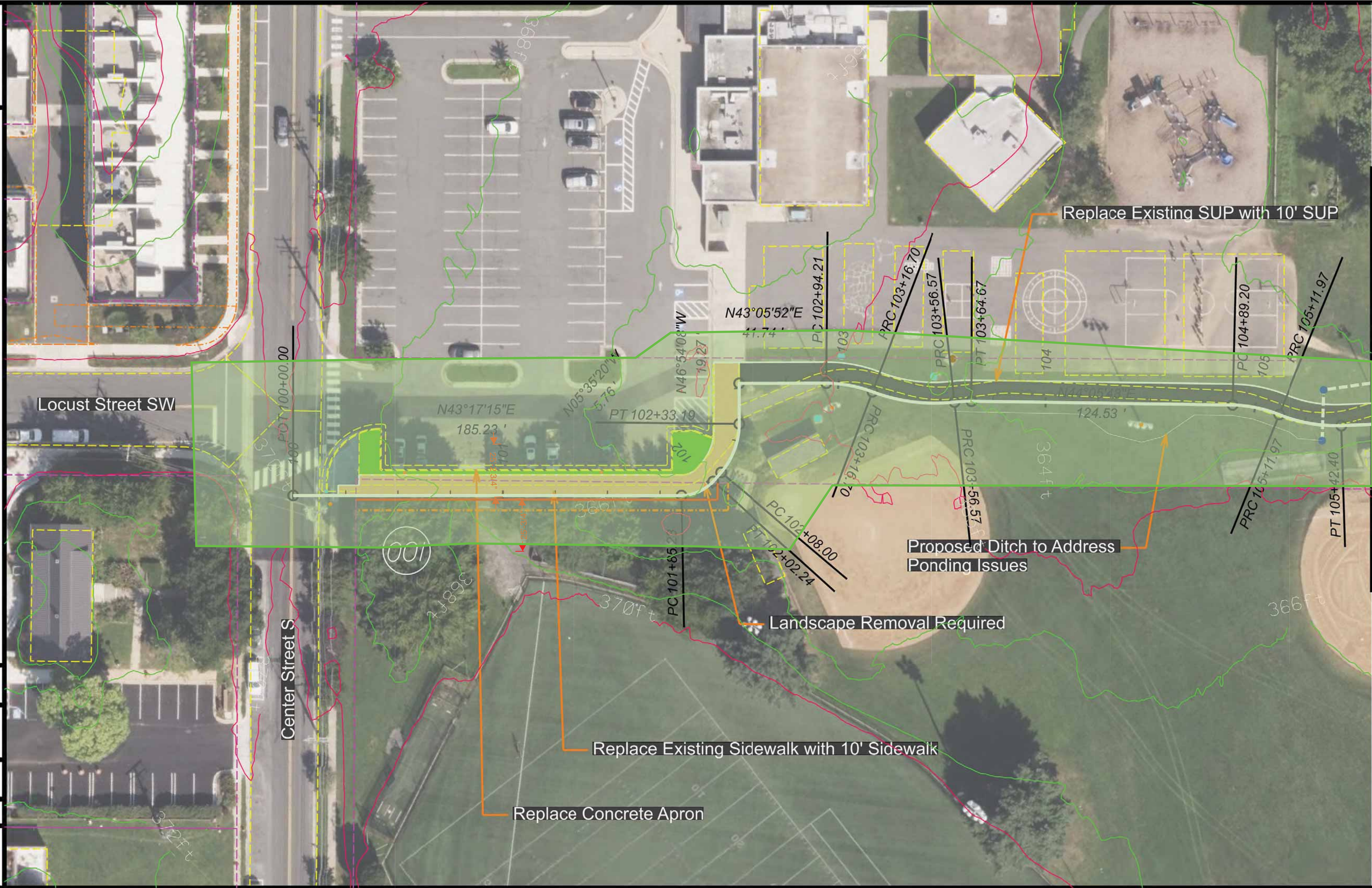
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-  GRASS BUFFER STRIP
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PROJECT DATA

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AADT	3,300
PROPOSED INCREASE IN IMPERVIOUS AREA	2,825 SF

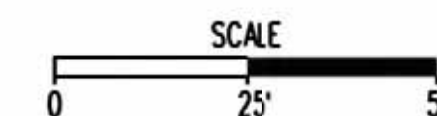


MATCHLINE STA. 105+56.83 SEE SHEET 4



LOCUST STREET TRAIL IMPROVEMENT
TOWN OF VIENNA, VA

 Estimated Topographic Survey Limits



SHEET NUMBER

3 OF 4

DRAFT

THIS CONCEPTUAL PLAN IS NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR RIGHT OF WAY ACQUISITION

LEGEND

PROPOSED

- ASPHALT SHARED USE PATH
- CONCRETE SIDEWALK
- GRASS BUFFER STRIP
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- CURB AND GUTTER
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- PERMANENT EASEMENT

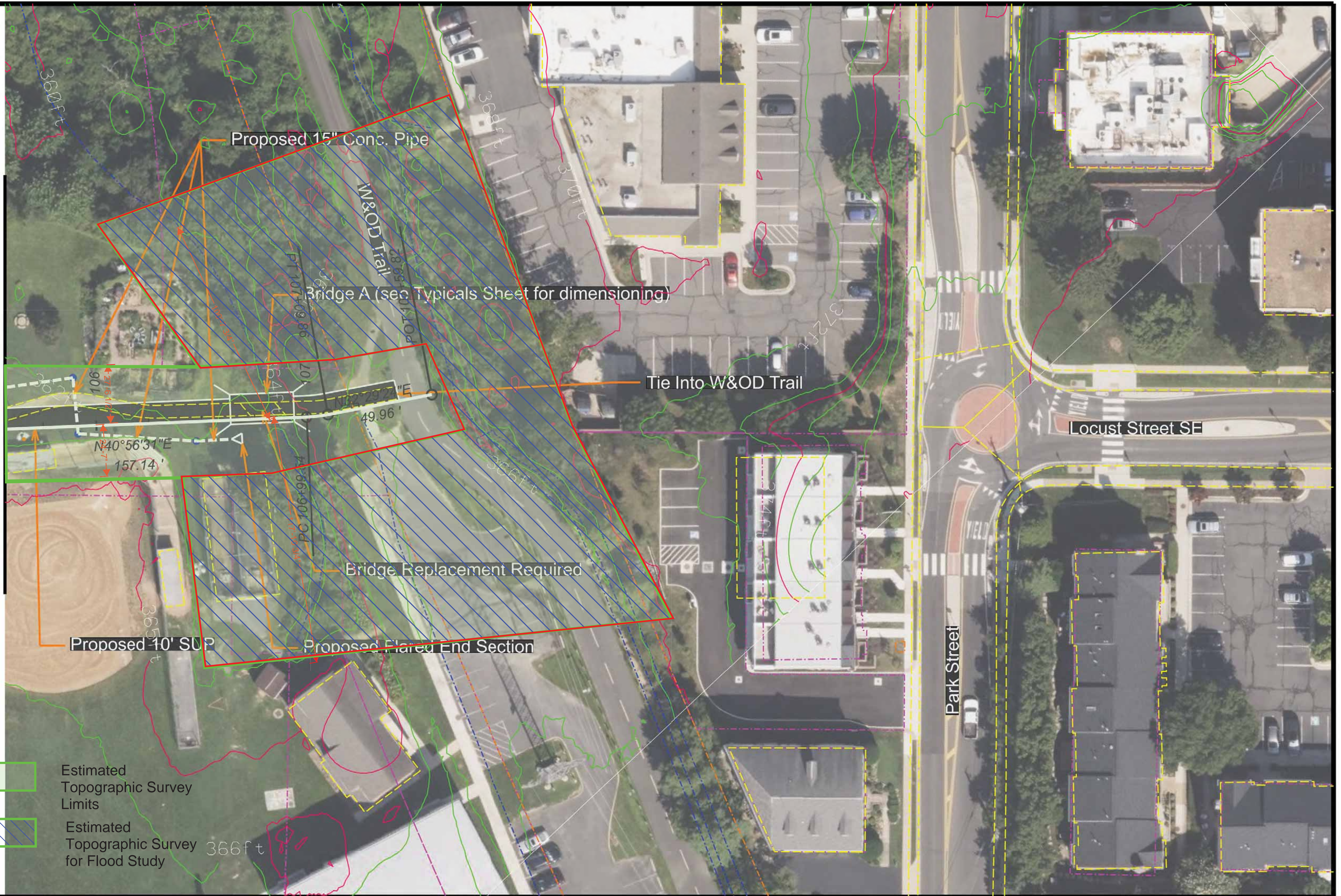
EXISTING

- ROADWAY EDGE/CURB AND GUTTER/STRUCTURES
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MATCHLINE STA. 105+56.83 SEE SHEET 3

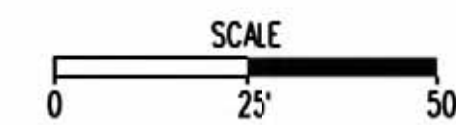


Estimated Topographic Survey Limits

Estimated Topographic Survey for Flood Study



LOCUST STREET TRAIL IMPROVEMENT
TOWN OF VIENNA, VA



SHEET NUMBER
4 OF 4



Attachment 5:

Accumark Scope and Fee

Accumark Inc

9500 King Air Court
Ashland, VA 23005



Proposal to perform subsurface utility services to Rinker Design in reference to Locust St – Vienna VA

Date	Services Performed By:	Services Performed For:
January 16, 2025	Accumark Inc 22900 Shaw Rd Ste 123 Sterling VA 20166	Rinker Design Adam Welschenback, PE, PTOE 11100 Endeavor Ct Ste 200 Manassas VA 20109 Phone: 703-334-9300 Email: awelschenback@rdacivil.com

Scope of Work

For this project perform utility designating and test hole excavation in compliance with Quality Level B and A, respectively, as defined in CI/ASCE 38-02, *Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data*, hereinafter referred to as Standard 38-02. Known about non-locatable utilities shall be added to the designating mapping at Quality Level "C" or "D", as deemed appropriate.

- **Gravity sewer & storm inverts are excluded from this SOW.**
- **Final test hole survey to be performed by Accumark.**

Permitting and Notifications

Any notifications or permitting that is required will be obtained and all work will be performed in compliance with permit guidelines and laws of the State.

Quality Level B (QL-B) Utility Designation Standard Procedures

- **Quality Level B Designation Operations**

- Accumark personnel will contact the client, facility and utility owning agencies, as deemed appropriate, in order to request and acquire records of the existing underground facilities. Utility record information will be used as an aid in the identification of the number, identity, size and material of utilities located in the field. Records will not be used as a substitute for actual geophysical location unless the system cannot be verified electronically using industry standard techniques for this level of investigation.
- Upon receiving notice to proceed, contact will be made with the client and/or their consultant, to acquire a digital copy of the base mapping for the project. Those drawings will be used in preparing designating field draft sheets and later for a base mapping background reference used in the QA/QC process.
- Designators will draft field sheets that show the location, trend and configuration of utilities detected. Field sheets will show all scoped underground utility surface features and lines and will be prepared with color to differentiate the utility systems. Utilities will be annotated with size and material where available. Project specific field notes will be shown as deemed appropriate.
- **Photos may be taken of the field marked utilities in particularly congested areas, where applicable, to assist the CAD draftsmen in applying the surveyed data correctly.**
- **Survey Operations**
 - The density of the individual survey control points provided for Accumark's use should be dense enough that conventional surveying methods can be used without extra time and effort being spent to traverse between the existing control points. Should the distances between the existing survey control points provided by the Client or Client's survey consultant be too great, Accumark reserves the right to review and revise the fee for the utility paint locations.

Referencing the project's survey control the utility paint will be surveyed, processed utilizing an applicable CAD platform and plotted for QA/QC review. This Quality Assurance – Quality Control effort (QA/ QC) involves a Project Manager reviewing the CAD drafted utility locations against available records, site drafted utility sketches, survey notes, imagery and base mapping. If available, the Client shall provide Accumark with a digital copy of the project's base mapping for use in the review process. If project mapping has been made available, the digital base map will be referenced into the utility designation file and plotted with the planimetric mapping faded for clarity during the final

QA/QC check. During these processes, if any anomalies or discrepancies are observed between the various data sets and the drafted utilities, the Project Manager will execute a site walk with the plots 'in hand', at a minimum, in attempt to identify the source of the discrepancy and assign a corrective action prior to delivery.

Quality Level A (QL-A) Test Hole Standard Procedures

Test holes will be performed by air vacuum excavation or other non-destructive techniques at locations yet to be determined. One call notification and excavation permits will be made prior to test hole excavation.

The test holes will be staked at the site by the client or client must provide a digital copy of project's base mapping; in-hand a minimum of 2 to 3 days before field operations are scheduled to begin so that swing ties can be pulled. The proposed test hole locations can be staked by Accumark personnel for an additional fee. Test hole openings will be a minimum 8" x 8" and typically not larger than 12" x 12". Excavation will proceed to expose the utility in a careful manner with the utmost concern for the safety of personnel, the public and surrounding property. A field test hole form will be completed for each excavation and will contain at a minimum parameter required by the Standard 38-02, which include: depth to the utility, outside diameter, duct systems such as electrical and telecommunication, top and bottom will be documented, height of conduits or encasement, utility material, pavement type/ thickness and general soil type.

A permanent marker will be placed over a reference point on the utility flush with grade. Typically, this reference point is the centerline of pipes or the edge of concrete structures. A minimum of three (3) swing ties will be taken to the permanent marker. The depth to the reference point on the top of the utility will also be measured plumb to the permanent marker.

The excavation will be backfilled utilizing excavated materials. Accumark utilizes Aquaphalt (www.aquaphalt.com), a pre-mixed, permanent repair material, and Accumark guarantees its effectiveness for a minimum of one (1) year. It is not anticipated that hot patch will be required for this work.

Accumark does not recommend test holes on gravity sewers. Accumark recommends that in order to determine accurately a possible conflict with an existing gravity sewer line that an as-

built survey be conducted of the upstream and downstream sanitary manholes for that particular pipe. From the data obtained from the as-built survey (rim elev., inverts, pipe size and pipe material), an accurate "flowline elevation" can be calculated for any potential crossing/conflict of that sewer pipe. A test hole would only give you a top of utility elevation, if that could even be determined due to obstructions found in the test hole.

Any test hole(s) requested on gravity sewers will be billed on an hourly basis.

Should the Client wish that the test holes be survey located, the test hole permanent markers will be field located using conventional survey equipment. If project requirements and site conditions allow, GPS equipment may be used at Accumark's discretion. Prior to Accumark survey personnel arriving onsite to locate the test holes, the Client must provide survey control to the Accumark Project Manager for review and processing. Using the project's survey control, the horizontal and vertical coordinates will be determined for each test location.

The density of the individual survey control points provided for Accumark's use should be dense enough that conventional surveying methods can be used without extra time and effort being spent to traverse between the existing control points. Should the distances between the existing survey control points provided by the Client or Client's survey consultant be too great, Accumark reserves the right to review and revise the fee for the test hole locations.

CADD

Accumark will provide the client a digital copy of the utility mapping in AutoCAD, Version 2013. Accumark will use its own company utility cad standards, unless the cad standards of the client or their consultant are provided and accepted at the time of this proposal preparation. The utility mapping can also be provided in a Microstation V8i digital file should the project requirements dictate.

Project Limitations

This service will be provided with due diligence and in a manner consistent with standards of the subsurface utility mapping industry. Every reasonable effort will be made to locate all systems of interest whether indicated on records available to us or not. However, we do not guarantee that all existing utility systems can or will be detected. It may not be possible to detect utilities without prior knowledge, such as systems that are not depicted on records made available to us. Further, this service is not intended to detect non-utility structures such as, but not limited to foundations,

sanitary & storm systems, irrigation systems, septic systems, wells, tunnels, concrete or metal structures, or the true size and limits of subsurface utility vaults and manholes. Gravity-Flow Sanitary and Storm Sewer systems are excluded from this scope of work. Use of this service does not relieve interested parties from their responsibility to make required notifications prior to excavation.

The mapping services will reflect interpretation of electronic data collaborated with record and visual indications. Professional judgment will be used to reflect the underground utilities with the intended utmost accuracy and comprehensiveness. The results may be affected by numerous site conditions, including but not limited to utility materials, joint types, fittings, density of underground utilities, interference with above ground conductors and soil characteristics. There is no guarantee that all facilities can be found and shown.

Every reasonable attempt will be made to find, locate and map all active and abandoned underground utilities at Quality Level "B" of the Standard 38-02. All non-locatable utilities that are shown on record or learned about from verbal recollections or otherwise will be shown at Quality Levels "C" or "D" of the Standard 38-02. In addition, an effort will be made to learn the existence of non-locatable and non-recorded utilities that we may become aware of due to the presence of site features or otherwise. Those findings will be noted and provided to the client. The intent of the service is to map all underground utilities, included in the scope, active or abandoned if possible. Our work does not relieve the users of our drawings from contacting the one call protection office and we are typically not responsible for the damage of utilities caused by others due to the responsibilities borne on utility owning agencies and the one call system.

The diameter of most pipes greater than 24" cannot be recovered directly from a single test hole. The diameter of pipes less than 24" is determined by exposing half of the pipe or the entire pipe, as needed, and directly measuring the outside diameter with a rule to the nearest 1/2". If pipe diameter is critical on larger than 24" pipes, it may be necessary to perform additional holes. This type of investigation falls outside of the normal scope of test hole services.

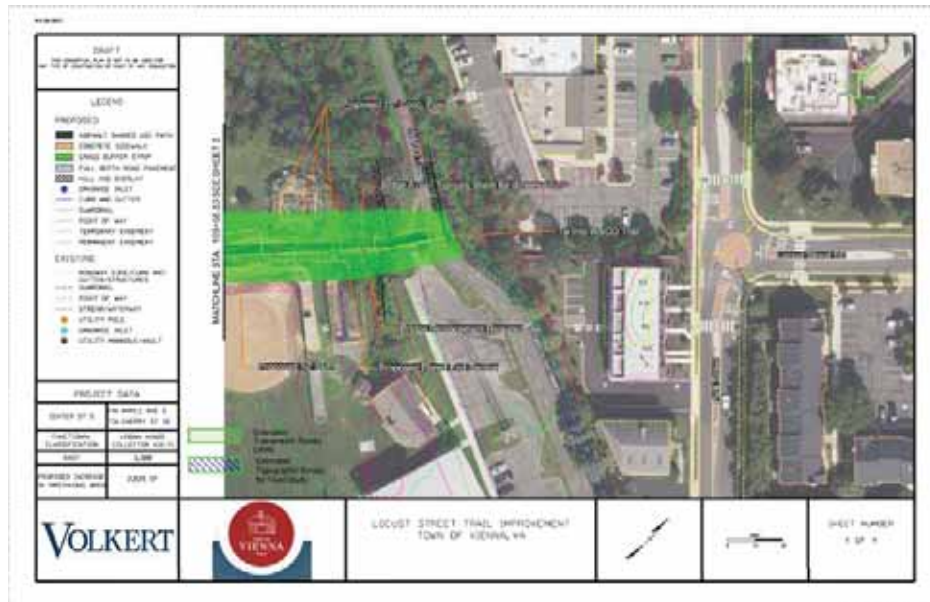
For test hole(s) requested on gravity sewers, Accumark will not be held responsible for the failure and subsequent replacement and/or repair costs of the targeted facilities, in the instances where the pipe being investigated has deteriorated to the extent it collapses during the pneumatic excavation process. For this scenario, the owner and/or requesting entity will be responsible for the appropriate rehabilitation of the failed pipe, as dictated by the construction standards of the city, county or municipality in which the facility is located.

Assumptions

Accumark is currently assuming that the client has survey control and that it will be provided to us prior to being on site.

Project Limits

Project limits are indicated by the green shaded areas on the attached mapping below.



Estimated Project Schedule

Schedule to be negotiated with client upon notice to proceed.

Fee Schedule

This proposal is only valid for 90 days from transmittal date to Buyer. After a 90-day period, Accumark reserves the right to revise the proposal as necessary.

Direct Labor	Hourly Rate	Hours	Total
Technical Specialist VII/SME	\$200.91	1	\$200.91
Technical Specialist V	\$144.78	1	\$144.78
Technical Specialist IV	\$179.63	8	\$1,437.04
Technical Specialist III	\$106.95	30	\$3,208.50
Technical Specialist II	\$110.23	1	\$110.23
Technical Specialist I	\$84.79	30	\$2,543.70
Engineer IV	\$107.62	2	\$215.24
		Total Fee for QL-B	\$7,860.40
TEST HOLES	Rate	Amount	Total
0.0' to 6.0'	\$1,068.00	4	\$4,272.00
6.01' to 8.0'	\$1,246.00	1	\$1,246.00
8.01' to 10.0'	\$1,495.00	0	\$0.00
Greater than 10'-per hour rate	\$373.80	0	\$0.00
Traffic Control Operations - IF NEEDED	Rate	Amount	Total
Traffic Control	\$1,700.00	2	\$3,400.00
Permit	\$1,000.00	1	\$1,000.00
		Total Fee for QL-A	\$9,918.00
Total Project Fee			\$17,778.40

***The Test Hole Unit Rate quoted above is applicable for a minimum request of three (3) test holes per mobilization. For individual test hole requests, the unit rate will be elevated and calculated on site specific parameters, mobilization, and other miscellaneous costs.**

Standard Terms of Payment

- **Standard Terms of Payment**

- Payments for services invoiced are to be received within 30-days from date of invoice. If payment is contingent upon Buyer being paid by a "Third Party" for services, Accumark must be notified of the name and address of the "Third Party" prior to commencement of services. Buyer will submit invoices to the "Third Party" in a timely manner and Accumark will receive payments from Buyer within 15 days of Buyer being paid. If this is not the case, then Accumark reserves the right to modify this clause to reflect a revised payment schedule.

IN WITNESS WHEREOF, the parties hereto have caused this proposal to be effective as of the day, month and year first written above.

Rinker Design

Accumark Inc

By: _____
Name:
Title:


By: _____
Name: Ryan Martin
Title: Vice President



Attachment 6:

DMY Engineering Scope and Fee



GEOTECHNICAL & ENVIRONMENTAL COST PROPOSAL

Locust Street Trail Improvement
Town of Vienna, Virginia
DMY Proposal No. 01.07234.01
 (Submitted: January 21, 2025)

CATEGORY	COST
Drilling and Field Testing	\$4,340.00
Laboratory Testing	\$940.00
Geotechnical Personnel	\$9,867.25
Environmental Personnel	\$4,953.42
Expenses	\$384.00
PROJECT TOTAL	\$20,484.67

Project Information:

The scope of work for this project consists of performing a Phase I ESA (Environmental Site Assessment) and geotechnical investigation for the Locust Street Trail Improvement project located in the Town of Vienna, Virginia. This cost estimate is prepared based on the information provided to us by Rinker Desing Associates, LLC (RDA).

Phase 1 ESA Scope:

DMY's Phase I ESA scope is to identify and record any existing, potential, or suspect condition(s) on or in close proximity of the site that may impose an environmental liability to, or impair the use of, the subject Property. DMY's Phase I ESA will comply with the ASTM International [formerly known as the American Society for Testing and Materials (ASTM)] Standard E1527-21, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. Our Phase I ESA will be performed in general conformance with the scope and limitations of ASTM Practice E1527-21, unless otherwise described in this proposal and includes:

Document Research, File Review, and Interviews

A review of reasonably available standard historical sources. A review of standard federal and state environmental database records provided by a third party.

Requested User Provided Information

A review of reasonably ascertainable land records, including parcel identification and property owner name, any specialized knowledge about the site, knowledge of any environmental liens or Activity and Use Limitations (AULs) of the site.

Site Reconnaissance

A site reconnaissance with photographs will be performed at the site as site access allows.

Phase I ESA Report

Our Phase I ESA Report will include: a brief description of the subject site with photographs based on our site visit, site figures and diagrams, a description past site use and ownership based on research, review and summary of

standard environmental database report, and our professional opinion as to the potential presence of recognized environmental conditions (RECs). Our Phase I ESA SOW will be conducted in general accordance with the ASTM Standard Practice E1527-21 and does not include any Phase II ESA services or investigation. The need to perform such non-ASTM scope considerations should be evaluated based upon the nature of the site and the reasons for investigating the site from a business environmental risk assessment perspective. DMY can perform such non-ASTM scope considerations, if desired, through a separate Agreement and report process.

Geotechnical Engineering Scope:

DMY's geotechnical scope will consist of drilling two (2) Standard Penetration Test (SPT) borings, one at each end of the proposed culvert. The boring depth is assumed to be an average of 25 feet or auger refusal, whichever occurs first. Assumptions and deliverables are as follows:

- DMY assumes that no other feature will require geotechnical investigation or recommendation.
- A DMY field engineer for drilling supervision and field logging throughout the program will be provided.
- The laboratory testing program will consist of natural moisture content tests, USCS classification tests, pH and resistivity tests.
- Upon completion of the field and laboratory program, DMY will prepare a Geotechnical Engineering Report to summarize our review of field and lab testing data and to provide geotechnical recommendation for the proposed culvert bedding. We will also address any Town review comments and submit a revised geotechnical report as necessary.
- We assume that the borings will be staked in the field by others prior to the field exploration. After completion of drilling, DMY expects that boring elevations will be surveyed by others and provided to us for inclusion in the report.
- We assume all borings will be located outside VDOT ROW. We will coordinate with the Town for access of the boring locations. If applicable, permission to drill/access private properties will be secured by RDA prior to our mobilization.
- DMY assumes all work will be performed during normal business hours (8 am to 5 pm).
- We assume traffic control is not required for the fieldwork.
- Underground utilities will be cleared by MISS Utility. Private utility locating is not included in our scope.
- DMY will backfill the boreholes with auger cuttings.
- DMY assumes that the excess drilling spoils can be spread on unmaintained grassy areas.

We reserve the right to adjust this cost estimate if our scope of work has been changed or an additional scope of work has been requested. We will provide you with a separate cost estimate at that time for your review and approval. This cost estimate was prepared by Sameer Ghany, P.E. and reviewed by Paul Zhang, P.E.

Attachments: Estimated Cost

Locust Street Trail Improvement
 Town of Vienna, Virginia
 DMY Proposal No. 01.07234.01
 January 21, 2025

Drilling and Field Testing	Quantity	Unit Rate	Cost
ATV Rig Mobilization (within 50 mile radius)	1 rig	\$1,600.00 /each	\$1,600.00
Drill Rig Moving/Difficult Moving/Rehab/Clearing	4 hours	\$300.00 /hour	\$1,200.00
SPT Drilling (0'-40')	50 linear feet	\$25.00 /lf.	\$1,250.00
Public Utility Clearance and Coordination	2 hours	\$145.00 /hour	\$290.00
Drilling and Field Testing Subtotal:			\$4,340.00

Laboratory Testing	Quantity	Unit Rate	Cost
Moisture Content Test	16 tests	\$15.00 /test	\$240.00
Atterberg Limits Test	2 tests	\$110.00 /test	\$220.00
Sieve Analysis w/200	2 tests	\$110.00 /test	\$220.00
pH and Resistivity	1 tests	\$260.00 /test	\$260.00
Laboratory Testing Subtotal:			\$940.00

Personnel - Geotechnical Services	Quantity	Unit Rate	Cost
Principal Engineer	6 hours	\$256.79 /hour	\$1,540.74
Senior Engineer	19 hours	\$181.96 /hour	\$3,457.24
Project Engineer	22 hours	\$145.57 /hour	\$3,202.54
Staff Engineer	13 hours	\$128.21 /hour	\$1,666.73
Geotechnical Personnel Subtotal:			\$9,867.25

Personnel - Environmental Services	Quantity	Unit Rate	Cost
Principal Engineer	2 hours	\$256.79 /hour	\$513.58
Senior Engineer	18 hours	\$181.96 /hour	\$3,275.28
Project Engineer	8 hours	\$145.57 /hour	\$1,164.56
Environmental Personnel Subtotal:			\$4,953.42

Expenses	Quantity	Unit Rate	Cost
Mileage (for fieldwork and meetings)	120 miles	\$0.700 /mile	\$84.00
VDOT LUP Permit Fee (estimated)	0 each	\$200.00 /each	\$0.00
VDOT LUP Bond/Deposit Cost (estimated)	0 each	\$600.00 /each	\$0.00
Environmental Database Reports	1 each	\$300.00 /day	\$300.00
Expenses Subtotal:			\$384.00

ESTIMATED PROJECT TOTAL:	\$20,484.67
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Attachment 7: Right of Way Services

Right of Way Services: Rinker Design Associates, LLC (RDA), acting as an agent on behalf of Vienna, shall provide all right of way acquisition services for the Project's acquisition of fee right of way and permanent, temporary and utility easements. Right of way acquisition services shall include certified title reports, appraisal, appraisal review, and negotiations. RDA is a member of VDOT's prequalified right of way contracting consultants (listed on VDOT's website) and RDA's right of way team includes VDOT prequalified appraisers and review appraisers (also listed on VDOT's website). Vienna will retain authority for approving just compensation, relocation benefits, and settlements. RDA will not be responsible for the right-of-way acquisition costs. As used in this proposal, the term "right of way acquisition costs" means the actual purchase price paid to a landowner for right of way, including fee, any and all easements, and miscellaneous fees associated with closings as part of the Project. All right of way acquisition costs will be paid by Vienna. It is assumed that 4 parcels will require the acquisition of right of way and/or easements and/or encroachment agreements. RDA, for scoping, assumes 2 properties will be BAR's due to limited anticipated R/W impacts. Town property is assumed to be Town property and not require land rights.

The following responsibilities shall be carried out by either RDA or Vienna as specified in each bulleted item below:

- RDA shall provide Right of Way Acquisition Services in accordance with all Federal and State laws and regulations, including but not limited to the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended (the "Uniform Act") and Titles 25.1 and 33.1 of the 1950 Code of Virginia, as amended. The acquisition of property shall follow the guidelines as established by VDOT and other State and Federal guidelines that are required and the VDOT Right of Way Manual of Instructions and the VDOT Utility Manual of Instructions, as well as IIM-LD-243 and Chapter 12 of the VDOT Survey Manual. All conveyance documents for the acquisition of any property interest shall be accompanied by properly marked plan sheets and profile sheets.
- RDA shall submit a Project specific Acquisition Plan, if requested, to Vienna for approval prior to commencing right of way activities. No offers to acquire property shall be made prior to the Acquisition and Relocation Plan approval and a Notice to Commence Acquisition. The Acquisition and Relocation Plan shall describe the Offeror's methods, including the appropriate steps and workflow required for title examinations, appraisals, review of appraisals, negotiations, acquisition, and relocation, and shall contain the proposed schedule of right of way activities including the specific parcels to be acquired and all relocations. The schedule shall include activities and time associated with Vienna's review and approval of just compensation, relocation benefits and administrative settlements. The plan shall allow for the orderly relocation of displaced persons based on time frames not less than those provided by the "Uniform Act." This plan shall be updated as necessary during the life of the Project and all updates must be submitted to Vienna for approval. The plan approval is based on the Plan providing a reasonable and orderly workflow and the plan being provided to Vienna as completed.
- A Vienna Representative will be available to make timely decisions concerning the review and approval of just compensation, approval of relocation benefits, approval of administrative settlements and approval of closing or condemnation packages on behalf of Vienna.
- RDA shall provide a current title examination (no older than sixty (60) days) for each parcel at the time of the initial offer to the landowner. If any title examination report has an effective date that is older than sixty (60) days, an update will be performed prior to making an initial offer to the landowner.
- RDA shall submit a scope of work detailing the type of appraisal to be prepared for each parcel and the name of the proposed appraiser for Vienna review and approval in writing prior to commencing the individual parcel appraisal. The proposed appraiser shall be of an appropriate qualification level to match the complexity of the appraisal scope. RDA shall prepare appraisals in accordance with VDOT's Appraisal Guidelines. The review appraiser shall be on VDOT's approved fee review appraiser list.
- Payment documentation is to be prepared and submitted to Vienna with the Acquisition Report (RW-24). Vienna will issue payments to property owners.
- Vienna shall prepare and record documents conveying title to such properties to Vienna. RDA will obtain executed documents following preparation by Vienna, and will deliver to Vienna for recording.



- RDA will provide Deed Preparation Services. Under this task, RDA will provide to Vienna deeds for each property requiring right of way or easement acquisition. Each deed will be prepared by an attorney licensed to practice law in the Commonwealth of Virginia, and shall adhere to all State and Town requirements. The Deed Preparation task includes all coordination required with the Town including regular meetings and revisions to deeds following Town review.
- Because these acquisitions are being made on behalf of the Vienna, Vienna shall make the ultimate determination in each case as to whether settlement is appropriate or whether the filing of an eminent domain action is necessary, taking into consideration the recommendations of RDA. When Vienna authorizes the filing of a certificate, RDA shall forward all required documents necessary to file a certificate to Vienna. Vienna will prepare a Notice of Filing of Certificate, will execute the certificate, provide the money as appropriate and shall file the certificate.
- When Vienna determines that it is appropriate, the RDA shall be responsible for continuing further negotiations for a maximum of one hundred twenty (120) days, in order to reach settlement after the filing of certificate. After that time the case will be assigned Town Attorney's Office. When requested, RDA shall provide the necessary staff and resources to work with Vienna and its attorney throughout the entire condemnation process until the property is acquired by entry of a final non-appealable order, by deed, or by an Agreement After Certificate executed and approved by Vienna and the appropriate court. RDA will provide updated appraisals (i.e., appraisal reports effective as of the date of taking) and expert testimony supporting condemnation proceedings upon request by Vienna. Services performed by the RDA or its consultants after an eminent domain action is assigned to the Town Attorney will be paid, if and when necessary, under a separate Contract Modification.
- RDA will be responsible for all contacts with landowners for rights of way items.
- During the acquisition process and for a period of three years from either (1) the date each owner of a property and each person displaced from the property receives the final payment or (2) from the date the Town receives Federal reimbursement of the final payment made to each owner of a property and to each person displaced from a property, whichever is later, and until Vienna has indefeasible title to the property, all Project documents and records not previously delivered to Vienna, including but not limited to design and engineering costs, construction costs, costs of acquisition of rights of way, and all documents and records necessary to determine compliance with the laws relating to the acquisition of rights of way and the costs of relocation of utilities, shall be maintained and made available to Vienna for inspection and/or audit. This also would apply to the Federal Highway Administration on projects with federal funding.