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VDH-LP SWAP

Low Income Qualified Residential Septic Repair/Replacement, Well Replacement, Abandonments, Sewer Connections, and Public Water Connections

Contractors:

The Middle Peninsula Planning District Commission Septic and Well Assistance Program is soliciting bids for the attached project. Projects are supported by a grant program funded by the Virginia Department Health (VDH) and administered by the Middle Peninsula Planning District Commission (MPPDC) Septic and Well Assistance Program.

Grant funds will be utilized to fund 100% of the approved amount. The attached project has already been qualified for grant funding and the next phase is to solicit bids from contractors.

Attached you will find an itemized bid sheet breaking out certain costs and acknowledgments that need to be captured, a scope of work, and existing permits. Awarded projects are to be completed in a timely manner. **All work must be completed before the expiration of permits.** Work is done for the MPPDC SWAP Program, who disperses payment. You will receive a Notice to Proceed if you are awarded the project.

The grant has a hard deadline, to be reimbursed by this program all work, associated paperwork, invoices, and receipts must be dated prior to and received by the MPPDC SWAP Program Manager **no later than June 30th, 2024.**

For additional information or assistance, please contact Taylor Ovide, Coastal Resilience Planner at (804) 758-2311 or tovide@mppdc.com.

Conventional Onsite Sewage System Repair Construction Project (2023-MPPDC-11S)
Address: 2943 George Washington Memorial Highway, Gloucester Point, VA 23072

Cost for Line Item #1 (include total cost for items A-L) These are known factors. Vendors must invoice for actual cost incurred as described in the attached scope of work and permits.

Total	
	Line 1 Total Bid Cost
Line Item # 1; The contractor shall furnish all labor, supervision, equipment, tools, parts, supplies and materials, as necessary, to perform the services as described in the scope of work and permit:	\$
Itemized	
	Itemized Bid Cost
A&B) Costs to construct and install a conventinal onsite sewage system to specification in compliance with the attached Local Health Department Permit:	\$
C) Costs of Septic Pump-out, 1 initial pumpout if deemed necessary to prevent sewage backup:	\$
D1) Costs of Tree Removal per permit:	\$
D2) Costs of Site Clearing per permit:	\$
G) Costs of abandoning any unused component of the former onsite sewage system may include removing pipes, abandoning tanks, pumpout of abandoned tank, abandoning distribution boxes, as specified by permit:	\$
H) Costs of stabilizing, seeding and grading the site after construction to return to the original state in compliance with code:	\$
Additional Itemized Costs Not Included In Line 1:	
C-2) Additional pumpout costs per pumpout if needed, for example to dry drainfield, overflows before completion, etc. (not included in line 1 total):	\$
Additional costs not included in line item 1:	\$

Signature: _____ Date _____

Bid is good for _____ days

The following are required. Please initial in agreement to perform the following and that any costs to perform these tasks are included in Line Item 1:

	Initial on the lines below;
E) Provide, or subcontract with a licensed plumber and electrician to complete project per permits, scope of work, and code:	_____
I) Bidders shall comply with all requirements of DPOR for contracting and executing the contract with the MPPDC. Documentation of appropriate Licenseses provided to the MPPDC.	_____
J) Obtain a final installation inspection from the Local Health Department and assure that the onsite sewage system complies with the Regulations.	_____
K) Provide all required documentation to the Local County Health Department following completion of construction and obtain an Operation Permit for the onsite sewage system:	_____
L) Submit invoice to tovide@mppdc.com once Local Health Department has issued the Operations Permit. Include a copy of the completion statement and operations permit:	_____

Conventional Onsite Sewage System Repair Construction Project (2023-MPPDC-11S)

Address: 2943 George Washington Memorial Highway, Gloucester Point, VA 23072

Scope of work:

The contractor shall furnish all labor, supervision, equipment, tools, parts, supplies and materials, as necessary, to perform the services as described herein:

Cost for Line Item #1 (include total cost for items A-L) These are known factors. Vendors must invoice for actual cost incurred as described herein.

A) Construct an onsite sewage system that meets the location and construction specifications of the Virginia Sewage Handling and Disposal Regulations (12VAC5-610-10 et seq., the Regulations).

B) Construct the above onsite sewage disposal system in compliance with the Gloucester County Health Department Construction Permit HDID#: 136-23-0209 at 1943 George Washington Memorial Highway, Gloucester Point, VA 23072 in the location shown on the permit. The permit may contain additional conditions, notes, and information needed to construct the onsite sewage system.

C) Septic Pump-out Requirements: All bids shall include the cost to pumpout the contents of the existing septic tank by a properly licensed sewage hauler within 14 days of signing the Notice to Proceed. To prevent sewage from backing into the home or erupting on property surface prior to the completion of the septic work, additional pumpouts of the contents of the existing septic tank by a properly licensed sewage hauler may be required on an as-needed basis. Bids should provide a cost-breakdown per additional pumpout. If multiple pumpouts are needed preauthorization will need to occur to allow for a change order for additional, justifiable pumpouts. If the permit requires work within or under the existing drainfield (as indicated in the Permit) additional monitoring and pumping of the existing septic tank may be required in order to allow for the drying out of the drainfield. In these cases, for one week prior to the installation or repair of the onsite sewage system the effluent level of the septic tank must be monitored so that it does not discharge into the pump chamber or dispersal field. The contents of the existing septic tank shall be pumped by a properly licensed sewage hauler to prevent sewage from entering the drainfield for one week prior to installation

D) Tree Removal and Site Clearing: A pre-bid site visit is recommended to determine what if any tree removal or site clearing that may need to occur. Per the above referenced Permit, remove any trees and wood debris as described in the permit and haul away wood and debris unless notified otherwise. Costs of tree removal and site clearing should be included in initial bids. Any additional site clearing or tree removal required during installation must be submitted in writing to and be approved by MPPDC in writing including an additional cost estimate

E) Provide, or subcontract with a licensed plumber and electrician to provide plumbing and electrical required to convey the wastewater from the house to the onsite sewage system as required by the Regulations and the Virginia Uniform Statewide Building Code. This includes obtaining or assuring that

the owner obtains all permits and inspections necessary by the local building authority in compliance with the Virginia Uniform Statewide Building Code.

G) Abandon any unused component of the former onsite sewage system as specified by the Gloucester County Health Department Construction Permit 136-23-0209. Abandonment may also include removing unused sewer line and conveyance lines and crushing and filling the distribution box.

H) Follow all regulations and permitting pertaining to erosion and sediment control including stabilizing, seeding and grading the site after construction to return to the original state. Control construction runoff with proper practices so as not to become a nuisance to the owner or to neighboring properties or cause sediment to be discharged into state waters and drainage ditches. Any construction debris must also be removed from the site and disposed of properly.

I) Bidders shall comply with all requirements of the Department of Professional and Occupational Regulations (DPOR) for contracting and executing the contract with the Virginia Department of Health. Must provide a copy of Class A or B contractor's licenses from DPOR, Conventional Sewage Disposal System Contracting (CDS) or Alternative Sewage Disposal System (ADS) contracting specialty from DPOR and either Master Conventional Onsite Sewage System Installer license or Master Alternative Onsite Sewage System Installer License from DPOR, and proof of insurance. Bidders contacted by the Middle Peninsula Planning District Commission to provide any missing required documents, must provide the document within 24 business hours or their bid will be considered non-responsive.

J) Obtain a final installation inspection from the Gloucester County Health Department and assure that the onsite sewage system complies with all Regulations.

K) Provide all required documentation to the Gloucester County Health Department following completion of construction and obtain an Operation Permit for the onsite sewage system.

L) submit invoice to tovide@mppdc.com once Local Health Department has issued the Operations Permit. Include a copy of the completion statement and operations permit.

Additional Services (If Needed) Bidder must contact Middle Peninsula Planning District Commission Project Manager listed on the Notice to Proceed for approval prior to any additional services performed. Middle Peninsula Planning District Commission will issue a change order for actual additional services rendered.

The contractor shall furnish all labor, supervision, equipment, tools, parts, supplies and materials, as necessary, to perform the services as described herein:

- A. Additional materials
- B. Additional labor and equipment.

Conventional Onsite Sewage System Repair Construction Permit

September 14, 2023

Barbara Jean Brown
2943 George Washington Memorial Hwy
Gloucester Point, VA 23072

Permit ID: 073-ST5-104013, HDID#: 136-23-0209
Tax Map #: 50-167; 2943 George Washington Memorial Hwy

Dear Barbara Jean Brown:

The attached drawings, specifications, and calculations constitute your permit to install a repair sewage disposal system on the property referenced above. The attached schematic shows the approved area for the sewage disposal system. If modifications or revisions are necessary between now and when you construct your dwelling, please contact the Gloucester Health Department (804-693-6130). No part of any installation shall be covered or used until inspected, and the sewage system may not be placed into operation until you have obtained an Operation Permit from the Gloucester Health Department.

The following documents will be required to obtain the Operation Permit:

- System Inspection by the local Health Department
- Satisfactory Contractor's Completion Statement

This Construction Permit is null and void if conditions are changed from those shown on your application or if conditions are changed from those shown on the Site and Soil Evaluation Report and the attached construction drawings, specifications, and calculations. VDH may revoke or modify any permit if, at a later date, it finds that the site and soil conditions and/or design do not substantially comply with the Sewage Handling and Disposal Regulations, 12 VAC 5-610-20 et seq., or if the system would threaten public health or the environment. This permit approval has been issued in accordance with applicable regulations based on the information and materials provided at the time of application. There may be other local, state, or federal laws or regulations that apply to the proposed construction of this onsite sewage system or well (if applicable). The owner is responsible at all times for complying with all applicable local, state, and federal laws and regulations.

If you have any questions regarding this construction permit, do not hesitate to contact me at 804-693-6130. This authorization to construct a sewage disposal system expires: March 14, 2025.

Issued by:


Tammy Faulkner, AOSE/Master 1940001156
Environmental Health Specialist Senior

Design Specifications

Permit ID: 073-ST-104013
HDID #: 136-23-0209

Name: Barbara Jean Brown
Address: 2943 George Washington Memorial Hwy, Gloucester Point, VA 23072
Phone: (804) 642-2691

Tax Map #: 50-167

Directions: Close to Providence R, Northbound side of RD before scrap metal salvage business

Property Type: Residential, 3-bedroom dwelling, 450 gpd

Sewer Line and Septic Tank	
Sewer Line: Existing: 3" or 4" schedule 40 PVC or equivalent, cleanouts required at 50'-60' intervals	
Septic Tank Capacity: Use existing septic tank if still in water-tight conditions, otherwise pump, crush and fill/remove and replace with a 1,000 gallon tank having a riser and filter or inspection port. The inlet structure shall be 1-2 inches higher than the outlet structure and shall extend 6-8 inches below and 8-10 inches above the liquid level. The outlet structure shall extend 35-40% below and 8-10 inches above the liquid level. The septic tank shall either have an inspection port or an effluent filter, or be a reduced maintenance tank.	
Conveyance Line Method: Gravity Material: 1500# for non-pump Pipe Diameter: 4" Minimum Slope: 6" per 100' for non-pump	Distribution Box and Header Lines No. of Boxes: 1 – concrete or rigid plastic No. of Outlets: 4 Header Line Material: 1500 # crush or equivalent Header Line Minimum Slope: 2" per 100'
Percolation Lines/ Absorption Area	
Pipe and Gravel, Install: 720 sq. ft., 4 - 60' lines Size of Aggregate: 0.5-1.5", Depth of Aggregate in Trench: 13" Percolation pipe to be 4" diameter, trench slope to be between 2-4" per 100' Gravel-Less, Install: 734 sq. ft., 3 – 60' lines Installation depth: 22" Trench Bottom, 3" Wide Trench Width, 8' - 9' Center to Center Spacing Gravel-less material may be used, in lieu of gravel and pipe, within the approved absorption area as noted above. NOTE: The infiltrator product must covered with filter cloth or straw (Even without the design having a pump – sandy, loose soil). NOTE: The Disposal lines must not be any closer to the Well than the existing disposal field.	

Conventional Onsite Sewage Disposal System Construction Permit

HDID#: 136-23-0209; Tax map #: 50-167; 2943 George Washington Memorial Highway, Hays VA

The Property Line location in relation to structure locations not survey determined.

Access to the back yard maybe require permission from adjacent property owner to use their driveway.

Care will need to be taken regarding Underground Electric to shed - repair as trench through, or move the electric line.

Disposal field footprint to maintain 5' from P.L.

Property decreases in elevation from the front to the back.

Repair Disposal Field cannot be closer to undocumented well than existing disposal lines.

Disposal Field Specifications:

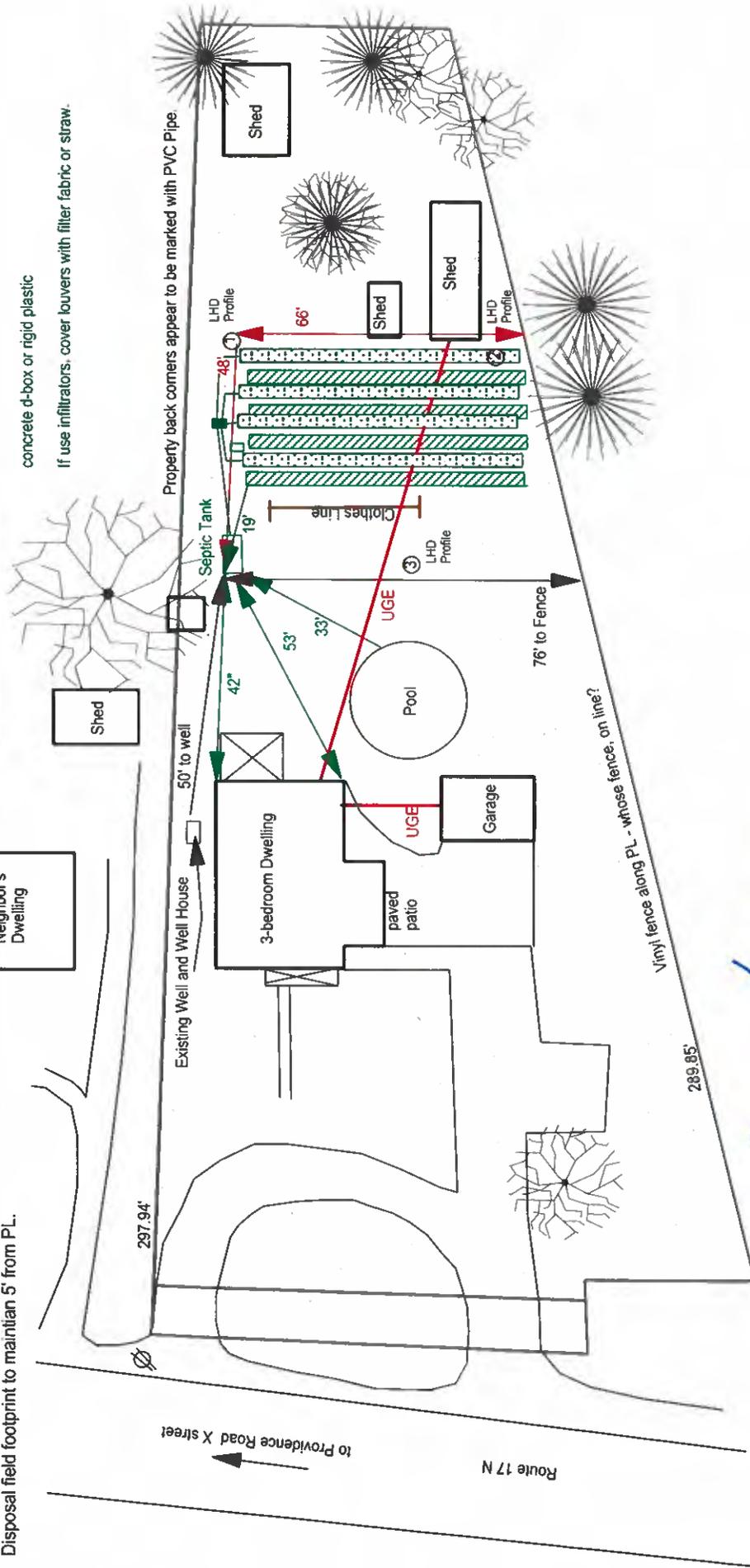
Pipe and Gravel: 25 mpi - 711 sq. ft. req'd, 4 - 60' lines, 720 sq. ft.

Gravel-less product: 25 mpi - 534 sq. ft req'd, 3 - 60' lines, 540 sq. ft.

22" trench bottom

concrete d-box or rigid plastic

If use infiltrators, cover louvers with filler fabric or straw.



Issue Date: September 14, 2023
Expiration Date: March 14, 2025

Tammy Faulkner
Tammy Faulkner, ACSE/Environmental Health Specialist Senior

Scale 1" = 40'

Site and Soil Evaluation Report

VDH Use Only
HDIN: 136-23-0209

General Information

Date: September 14, 2023 Gloucester County Health Department
 Owner: Barbara Jean Brown Phone: 804-832-1010
 Owner Address: 2943 George Washington Memorial Hwy
 Property Address: 2943 George Washington Memorial Hwy
 Tax Map/GPIN #: 50-167
 Subdivision: N/A Section: N/A Block: N/A Lot: N/A

Soil Information Summary

- Position in landscape satisfactory: Yes No Describe landscape position: side slope
- Slope: 2 %
- Depth to rock/impervious strata: Max. _____ in. Min. _____ in. Not observed
- Free Water Present: Yes No Range in inches: _____
- Depth to seasonal water table (gray mottling or gray color): 42 inches Not observed
- Soil percolation rate estimated: Yes No Estimated rate: 25 min/in at 22 inches depth
 Texture Group: I II III IV
- Percolation test performed: Yes No If yes, provide additional data on percolation test results.

Name and title of evaluator: Tammy Faulkner, 1940001156

Signature: 

Site approved: Conventional, trench design (describe dispersal area, e.g. absorption trenches) dispersing
 Septic tank _____ (proposed level of treatment at time of evaluation) to be placed at 22 (inches) depth at
 site designated on permit. Site provides a total of 720 square feet of absorption area for primary and
 reserve (if applicable).

Site disapproved: Reasons for rejection (check all that apply)

- Position in landscape subject to flooding or periodic saturation.
- Insufficient depth of suitable soil over hard rock.
- Insufficient depth of suitable soil to seasonal water table.
- Rates of absorption too slow.
- Insufficient area of acceptable soil for required absorption area, and/or reserve area.
- Proposed system too close to well.
- Other (specify) _____

