PROPOSAL OF WORK

Services Performed By:
Standard Pipe Services, LLC
563 Walther Road
Newark, DE 19702
P: 302-368-7414
F: 302-737-3034

Services Performed For:
Remington & Vernick Engineers
922 Fayette Street
Conshohocken, PA 199428
Contact: Kevin Zelinsky
Email: Kevin.Zelinsky@rve.com
P: 610-940-1050
F: 610-940-1161

WE PROPOSE HEREBY TO FURNISH MATERIAL AND LABOR COMPLETE IN ACCORDANCE WITH SPECIFICATIONS BELOW, FOR THE SUM OF: DOLLARS: $26,400

Payment to be made as follows: **Net 30 days**

Job Title: Outfall Repairs **Job Location: Dewey Beach, DE**

We hereby submit specifications and estimate for:

Price is to repair three outfalls on the bay side of Read Avenue by installing a coffer dam around the 3 pipe locations and excavate the sand slightly below the invert of the pipes. While this is being performed, we will clean and televise the outfall pipes. After all silt has been removed, we will stabilize the area by installing an underwater barrier using riprap R-5 or R-6 around the three pipes to protect the area from erosion.

Total cost to perform the outfall cleaning……..@$26,400 Lump Sum

Work to be performed to your schedule with a minimum of one day notice.

Authorized Signature: _____

Matthew J. Zakutny

Date of Proposal: *June 8, 2021*

ACCEPTANCE FOR PROPOSAL: The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above. I/We understand the proposed prices does not include a prevailing wage component.

Date of Acceptance: _____ **Signature:** _____

SPS Standard Pipe Services

O: +1 302 286 0701 www.standardpipeservices.com PO BOX 99
F: +1 302 286 0704 mattz@standardpipeservices.com Bear, DE 19701

May 25, 2021

Remington & Vernick Engineers
922 Fayette Street
Conshohocken, PA 19428

RE: PH 1 – Relining
Change Order Request CO #1 – Cleaning at Reed Street

Dear Mr. Zelinsky,

Thanks for talking with me today regarding the specialty cleaning on-site. After some investigation we firmly believe that the valves entering the bay are no longer working properly. This causes sand and water to wash into the pipes during high-tide. It's believed that a large storm may have came in and buried the pipes partially under sand causing backups and flooding. We always expected some silt and debris on these line segments since our last mobilization, but the problems above have caused for far more cleaning than anticipated.

We formally request to be paid 3 days for heavy cleaning the line segments above due to the flooding from the pipes @$3,400 per day, or $10,200

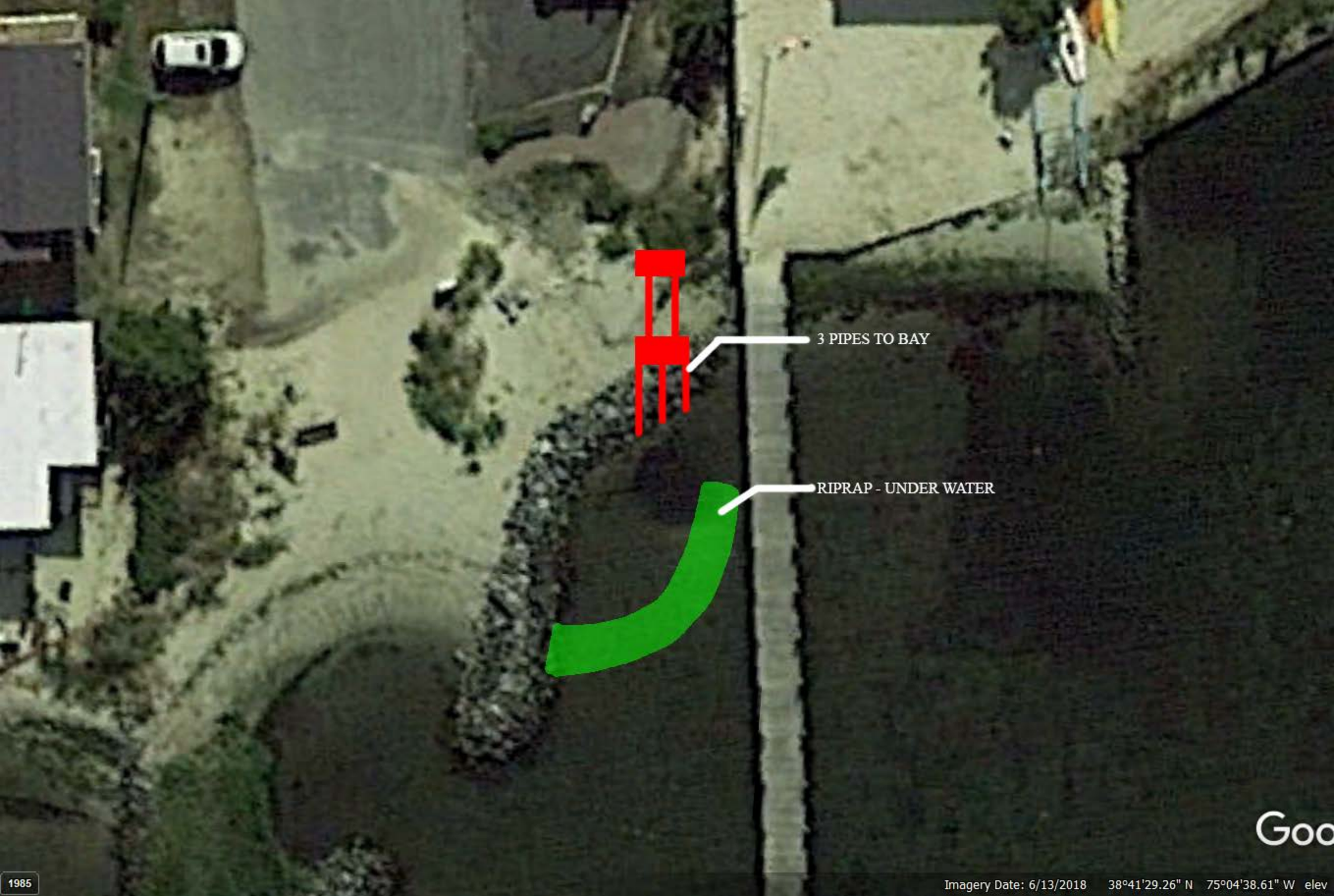
To best repair the three outfalls we would recommend installing a coffer dam around the 3 pipe locations and excavate the sand slightly below the invert of the pipes. While this is being performed, we will clean and televise the outfall pipes. After all silt has been removed, we will stabilize the area by installing an underwater barrier using riprap R-5 or R-6 around the three pipes to protect the area from erosion.

Total cost to perform the outfall cleaning……..@$26,400 Lump Sum

Let me know if you have any questions or concerns.

Sincerely,

Matt Zakutny
Director of Project Management


3 PIPES TO BAY
RIPRAP - UNDER WATER
1985
Imagery Date: 6/13/2018 38°41'29.26" N 75°04'38.61" W elev

REMINGTON & VERNICK ENGINEERS

University Office Plaza, Bellevue Building
262 Chapman Road, Suite 105
Newark, DE 19702
O: (302) 266-0212
F: (302) 266-6208

August 18, 2021

Town of Dewey Beach
Mr. Bill Zolper, Town Manager
105 Rodney Avenue
Dewey Beach, DE 19971

Re: Town of Dewey Beach
Proposal to Provide CCTV Services and Recommended Engineering Improvements to Address Stormwater Drainage Issues on Houston Street

Dear Mr. Zolper:

Remington & Vernick Engineers (RVE) is pleased to provide CCTV services and recommended engineering improvement(s) to address drainage issues on Houston Street. We understand that the Town has an existing drainage issue on Houston Street from SR 1 to the ocean. This area is prone to flooding and standing water from heavy rainfall and high tide conditions, which affects the adjacent properties along Houston Street. RVE believes this issue is associated with the existing stormwater pipes and catch basins located within the municipal street right-of-way. RVE has identified two (2) catch basins with connecting pipes which we believe are between an 18"-24" RCP and an 8" PVC pipe, which is half-filled (please refer to the attached sketch map).

We recommend cleaning and televising the existing structures identified above, as we believe one or both structures is possibly filled and paved over in front of the properties in question. Also, any covered or buried existing structure(s) that are found will need to be excavated and any repairs/improvements identified.

Based on this preliminary analysis, we recommend the following measures be taken by the Town to investigate the cause of the flooding:

Phase 1: Cleaning and Televising

1. Clean the existing 8" PVC pipe.

2. Clean from the two existing (2) catch basins (using a vacuum truck) towards SR 1.

3. Upon completion of the cleaning, televise the pipes and catch basins based on what is now accessible.

4. We assume this area is tidal as well, so this will need to be scheduled during low tide.

Phase 2: Excavation and Recommendations for Repairs

1. Any covered or buried existing structure(s) that are identified will need to be excavated and inspected. The excavation work can be performed by a local contractor or the Town of Dewey Beach, as directed, to help control costs.

2. Any repairs and improvements can be recommended and reported at that time.

3. It is anticipated that the work to renew the structure(s) will include at a minimum, pavement repair, casting and grate replacement, and some block work to repair the top portion of the structure.

The scope of construction activities noted above includes the cleaning and televising of the existing piping and structures to be performed along Houston Street in front of the properties in question. Any covered or buried existing structure(s) that are found will need to be excavated and any repairs/improvements will be identified once the structures can be inspected. Work timeframe and duration to begin upon written authorization to proceed and to be performed concurrently with low tidal conditions. Price includes cleaning, televising, plugging, bypass pumping, groundwater control and dewatering, and all necessary restorations and incidental work. This phase also includes an additional line item to excavate any existing structures that are found that may be buried vs. the Town doing it themselves.

Note: the proposed phased scope of services includes cleaning, televising, documenting existing Town of Dewey Beach drainage structures only. Any repairs and improvements recommended by the engineer are for those same Town-owned and maintained structures only. Flooding and standing water will still occur during any heavy rainfall and tidal conditions beyond the limits of the Houston Street municipal right-of-way unless additional improvements are made by the property owner(s).

We believe that several things can be done on the private properties which abut Houston Street to improve the drainage flows. Per the RVE site visit, we recommend the following be considered by the property owners to improve their drainage conditions at a minimum:

1. Remove impervious parking lot surface and replace with a more pervious surface (i.e., gravel, seashells, etc.)

2. Raise the existing grade to slope more towards the Houston Street right-of-way as RVE feels there is grade to perform this improvement.

3. Maintain any on-site/off-site drainage structure(s) to be sure they are clear and draining properly.

The scope of services to be provided and their associated costs are detailed herein.

SCOPE OF SERVICES

Our specific scope of services is as follows:

Phase 1 – Clean and Televise the Existing System on Houston Street (Refer to SPS Quote attached for $10,500.00 with a $4,000.00 Add-On If Needed)

Inspect several line segments on Houston Street that are impacted with silt and debris. Work may require heavy cleaning to get camera through the pipe. It is possible some manholes may be paved over and may require locating by use of a sonde and metal detector.

1. Day rate for cleaning/televising - estimate 3 days @ $3,500.00 per day, or a total of $10,500.00
2. Any excavations (6" or less) to open structures are estimates at $2,000.00 for each structure

Phase 2 – Recommended Engineering Improvement(s) and Inspection ($5,000.00)

1. Attendance at one (1) field coordination meeting
2. Review and report of existing documented drainage structure(s)
3. Part time (4 hours per day min.) on-site inspection
4. Contract administration
5. Project closeout

Phase RE – Reimbursable Expenses ($500.00)

1. Includes mileage and reproductions associated with this project.

COST OF SERVICES

RVE's total fee for providing the recommended engineering improvement(s) and inspection services described above is for the Not-to-Exceed Amount of **$5,500.00 (as documented under the Phase 2 fees above)**. The total Not-to-Exceed budget will not be adjusted without the prior approval of the Town for the additional costs associated with a specific change in the scope of work.

A man-hour breakdown can be provided for your information. A man-hour breakdown is an estimate of the resources and time required to perform each task outlined in the proposal. RVE does reserve the right to reallocate man-hours between in-scope tasks, as necessary to provide the required deliverables. We trust the information provided meets your requirements for this project.

Should you have any questions or require additional information, please do not hesitate to contact me in our Newark, DE office at (302) 266-0212 extension 3002.

Very truly yours,
Remington & Vernick Engineers

Christopher J. Fazio, P.E., C.M.E.
Executive Vice President

cc: Jim Dedes, Assistant Town Manager
Sharon Marrazzo, Project Analyst

Acceptance:

I, on behalf of the Town of Dewey Beach, DE, authorize Remington & Vernick Engineers to proceed with the work as described above.

_____ _____

Name Date

Storm Water Infrastructure Data

Dewey Beach, DE

Date: 10/30/2019

CHICAGO STREET

WEST STREET

COASTAL HIGHWAY

SAINT LOUIS STREET

HOUSTON STREET

HOUSTON STREET

CLAYTON STREET

SWEDES STREET

SWEDES STREET

Legend

- <all other values>

Field Collected Assets

- Inlet/Catch Basin
- Municipal Boundary

Size (in)

- 8
- 18
- Contours
- Parcels

GENERAL NOTES & DATA SOURCES:

Parcel Boundaries, Roads and Municipal Boundary data provided by Delaware First Map.
Structures and Conveyances GIS data provided by KCI Technologies, Inc via geodatabase on 2/18/2019.
Aerial imagery provided by ESRI.

0 50 100 200 Feet

REMINGTON & VERNICK ENGINEERS
UNIVERSITY OFFICE PLAZA, BELLEVUE BUILDING
262 CHAPMAN ROAD, SUITE 105, NEWARK, DE 19702
(302) 266-0212, FAX (302) 266-6208, WWW.RVE.COM
Certificate of Authorization: 24 GA 28003300
~ENGINEERING EXCELLENCE~

PROPOSAL OF WORK

Services Performed By:
Standard Pipe Services, LLC
563 Walther Road
Newark, DE 19702
P: 302-368-7414
F: 302-737-3034

Services Performed For:
Remington & Vernick Engineers
922 Fayette Street
Conshohocken, PA 199428
Contact: Kevin Zelinsky
Email: Kevin.Zelinsky@rve.com
P: 610-940-1050
F: 610-940-1161

WE PROPOSE HEREBY TO FURNISH MATERIAL AND LABOR COMPLETE IN ACCORDANCE WITH SPECIFICATIONS BELOW, FOR THE SUM OF: DOLLARS: $10,500

Payment to be made as follows: **Net 30 days**

Job Title: Storm Sewer Investigation **Job Location: Dewey Beach, DE**

We hereby submit specifications and estimate for:

Price is to inspect several line segments on Houston Street that are impacted with silt and debris. Work may require heavy cleaning to get camera through the pipe. It's possible some manholes may be paved over and may require locating by use of a sonde and metal detector.

Day Rate (Estimate 3 days)……..@$3,500 per day, or……..$10,500
Any excavations (6" or less) to open MH's……..@$2,000 Each.

Work to be performed to your schedule with a minimum of one day notice.

Authorized Signature: Matt Zakutny
Matthew J. Zakutny

Date of Proposal: *August 11, 2021*

ACCEPTANCE FOR PROPOSAL: The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above. I/We understand the proposed prices does not include a prevailing wage component.

Date of Acceptance: _____ **Signature:** _____