Incorporated Village of Westhampton Beach
165 Mill Road, Westhampton Beach, New York 11978
Phone: (631) 288-1654 * Fax: (631) 288-4332
clerk@westhamptonbeach.org

May 15, 2021

Lisa Kombrink, Esq.
Town of Southampton
Community Preservation Department
24 W. Montauk Highway
Hampton Bays, NY 11946

Re: Community Preservation Fund
Water Quality Improvement Project Plan Fund (WQIPP)
Stormwater Improvement Project

Dear Ms. Kombrink:

Please find enclosed four copies of our proposal for project funding under the 2021 Community Preservation Fund. The Village respectfully requests support for stormwater management improvements that will benefit water quality in Moniebogue Bay, which is identified by the NYSDEC as a 303(d) impaired waterbody.

The electronic version of the proposal has been submitted as required. Thank you for considering this important project. If further information is needed, please contact me at 631-702-1559 or mayormoore@westhamptonbeach.org.

Sincerely yours,

Maria Z. Moore
Mayor

TOWN OF SOUTHAMPTON
Department of Community Preservation
24 W Montauk Hwy, Hampton Bays, NY 11946
Ph: 631-287-5720 Fx: 631-728-1920
www.southamptontownny.gov/WQIPP

COMMUNITY PRESERVATION FUND (CPF)

WATER QUALITY IMPROVEMENT PROGRAM

CHECKLIST/APPLICATION INSTRUCTIONS

The CPF Water Quality Improvement Project Plan (WQIPP) Fund follows the objectives in the adopted Water Quality Improvement Project Plan (see http://www.southamptontownny.gov/WQIPP)

To apply for funding, an application must be COMPLETED and submitted along with detailed narratives and supporting information as described below. Parcel acquisitions will be considered on an ongoing basis, independent of this application process.

Note: Electronic application submission required and 4 - full printed sets of application, site plan and narrative. Upload application at www.southamptontownny.gov/WQIPPSUBMISSION
A Public Hearing and Town Board Resolution will be required for all projects pursuant to Chapter 140 of the Town Code.

WATER QUALITY IMPROVEMENT PROJECT MEANS:

[1] DEFINITIONS:

1. **Wastewater Treatment Improvement Project** means the planning, design, construction, acquisition, enlargement, extension, or alteration of a wastewater treatment facility, including alternative systems to a sewage treatment plant or traditional septic system, to treat, neutralize, stabilize, eliminate or partially eliminate sewage or reduce pollutants in treatment facility effluent, including permanent or pilot demonstration wastewater treatment projects, or equipment or furnishings thereof. Stormwater collecting systems shall also be included within the definition of a wastewater improvement project.

2. **Nonpoint Source Abatement and Control Program Projects** developed pursuant to section eleven-b of the soil and water conservation districts law, title 14 of article 17 of the environmental conservation law, section 1455b of the federal coastal zone management act, or article forty-two of the executive law;

3. **Aquatic Habitat Restoration Project** means the planning, design, construction, management, maintenance, reconstruction, revitalization, or rejuvenation activities intended to improve waters of the state of ecological significance or any part thereof, including, but not limited to ponds, bogs, wetlands, bays, sounds, streams, rivers, or lakes and shorelines thereof, to support a spawning, nursery, wintering, migratory, nesting, breeding, feeding, or foraging environment for fish and wildlife and other biota.

4. **Pollution Prevention Project** means the planning, design, construction, improvement, maintenance or acquisition of facilities, production processes, equipment or buildings owned or operated by municipalities for the reduction, avoidance, or elimination of the use of toxic or hazardous substances or the generation of such substances or pollutants so as to reduce risks to public health or the environment, including changes in production processes or raw materials; such projects shall not include incineration, transfer from one medium of release or discharge to another medium, off-site or out-of-production recycling, end-of-pipe treatment or pollution control.

5. **The Operation of the Peconic Bay National Estuary Program**, as designated by the United States Environmental Protection Agency. Such projects shall have as their purpose the improvement of existing water quality to meet existing specific water quality standards. Projects which have as a purpose to permit or accommodate new growth shall not be included within this definition

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COMMUNITY PRESERVATION FUND (CPF)
WATER QUALITY IMPROVEMENT PROGRAM
PROPOSAL SUMMARY

Project Applicant: Village of Westhampton Beach
Project Title: Downtown Stormwater Improvements
Project Manager Name: Maria Moore, Mayor

Name	Maria Moore
Title	Mayor
Organization	Village of Westhampton Beach
Address	165 Mill Road, Westhampton Beach, NY 11978
Phone	631-702-1559
Email	mayormoore@westhamptonbeach.org

Property owner (if different from Project manager organization):

Name	Same
Affiliation	
Organization	
Address	
Phone	
Email	

Project Address: See attached narrative SCTM #(S) See attached narrative

Type of Project (Check all that apply):
☑ Reduction ☐ Remediation ☐ Restoration

Project Summary: (Provide a brief narrative description of proposed WQIPP project)

The Village of Westhampton Beach will complete drainage improvements that will increase capture, retention and treatment of stormwater in the tributary area to Moniebogue Bay. The work will consist of new catch basins and leaching areas in Village-owned parking lots on Parlato Drive, Glovers Lane, and Mill Road, as well as a hydrodynamic separator on Parlato Drive, to treat water before it reaches the outfall on the Moniebogue canal.

This project will be implemented in coordination with the Village of Westhampton Beach Phase I Sewer Service Area Project. At each project location, the existing paved areas will be disturbed for the purpose of installing sewer infrastructure. The Village is taking advantage of the opportunity to install additional drainage in these areas when sewer pump stations and force mains are installed. In so doing, the Village will achieve cost efficiencies at the same time that it is improving water quality.

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If additional information is needed to describe the project; a project narrative can accompany the application. Please limit the narrative to approximately 3 pages of project description, provide a summary of water quality benefits/objectives of approximately 2 pages and provide a cost estimate of approximately 2 to 4 pages with supporting estimates. Any additional materials should be focused specifically on the proposed project with references to other studies that are pertinent

1. PROJECT TYPE (check all that apply)

Must meet at least one of the definitions of "Water Quality Improvement Project" per State Law Chapter 551 cited above. Check all that apply.

- ☐ Wastewater Treatment Improvement Project
- ☑ Non-point source abatement and control
- ☐ Aquatic habitat restoration
- ☐ Pollution prevention
- ☐ Operation of Peconic Bay National Estuary Program (Grant Match)

Note: Monitoring costs are only potentially eligible for CPF funding within Aquatic habitat restoration projects.

2. PRIORITY AREA(S) (check all that apply)

Priority areas are defined in the Water Quality Improvement Project Plan (WQIPP).

- ☑ 303(d) Impaired
- ☑ High
- ☐ Medium
- ☐ Outside High and Medium priority areas*

*If Outside High and Medium priority areas, explain how the project is relevant to WQIPP goals.

3. PROJECT DESCRIPTION

3a. Existing conditions of applicable groundwater/sub-watershed/waterbody and most recent and relevant data available (provide sources).

See attached narrative.

3b. How the proposed solution addresses the issue in the context of Reduction, Remediation and/or Restoration as per the CPF Water Quality Project Plan. Note all remediation and restoration projects must assure that reduction measures are also addressed.

See attached narrative.

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3c. Describe the proposed technology and its demonstrated efficacy in similar settings. May include published data.

See attached narrative.

3d. How the project supports Town of Southampton, Suffolk County, NYSDEC, Long Island Nitrogen Action Plan (LINAP) or other adopted goals/policies (provide references with pages numbers).

See attached narrative.

3e. Review the following statements and indicate whether they are applicable to your project. For all "Yes" responses, please indicate how your project addresses the requirements indicated.

YES	N/A	
☑	☐	**If stormwater system or drainage is proposed:** The project must indicate compliance with the New York State Stormwater Design Manual (2015 and as updated).
☐	☑	**If project is related to farmland:** Describe any Agricultural Stewardship Plan or other long term strategy for Nitrogen abatement.
☐	☑	**If the project is for habitat restoration:** The narrative must address how underlying causes are being ameliorated and expected outcomes for local species populations or other ecological considerations are given.
☐	☑	**If project is a Sewage Treatment Plant (STP) or cluster treatment system:** Fund allocation request is based on cost for reduction of pre-existing conditions and not for purpose of accommodating new density (describe pre-existing density and associated flow (gallons per day) and total projected nitrogen reduction in narrative). Include detailed information on how many homes the system would treat as well as potential for formation of Sewer District, if required by Suffolk County Health Department or Town Law.
☐	☑	**If the project is requesting grant match:** Include information related to funding program source and purpose of application and any relevant items on this checklist. Note: A Town Board resolution will be required in order to encumber matching funds for grant applications.

4. WATER QUALITY BENEFIT

4a. Identify Nitrogen, Pathogen or Pollutant of Concern (POC) including Existing Condition and Target Reduction.

See attached narrative.

4b. Describe plans for collecting and reporting on water quality over time.

See attached narrative.

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4c. Indicate useful life of proposed technology (must meet or exceed five years).

See attached narrative.

5. COST FACTORS

5a. Explain how you have confirmed that the proposed budget is reasonable, appropriate and necessary. If available, provide third party estimates or other documentation of how costs were determined.

See attached narrative.

5b. Describe any matching funds to be provided.

See attached narrative.

5c. Explain: i. Why project cannot proceed and intended benefits cannot be achieved without external funding.
ii. if funds are awarded at a lower level than requested, or if there are cost overruns, explain how the project will proceed.

See attached narrative.

6. MANAGEMENT, EXPERIENCE, ABILITY

6a. Describe applicant's experience in completing similar projects.

See attached narrative.

6b. Describe community support or opposition to project. If there is opposition, explain how this is to be addressed.

See attached narrative.

6c. Describe any permits needed and time frame/status of approvals. If permits are approved, indicate same.

See attached narrative.

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7. MAINTENANCE, MONITORING, EVALUATION

Estimate ongoing maintenance costs and explain how these will be supported. Explain stewardship and monitoring activities planned for ensuring sustainability of the project.

See attached narrative.

8. DURATION OF PROJECT

8a. Provide a projected project timeline.

See attached narrative.

8b. If project is multi-year or phased, provide a breakdown of budget and milestones for each year and phase.

See attached narrative.

9. ATTESTATION

Allocation of CPF funds will not be for the purpose of accommodating new growth, as this is prohibited by State law.

☑ Check box to certify that funds will not be directed for projects for the purpose of accommodating new growth.

Signature: _____ Date 5/17/2021

10. REQUIRED ATTACHMENTS Confirm that the following required documents are attached to this application:

- ☑ Photos of existing conditions
- ☑ Location Map
- ☑ State Environmental Quality Review Act (SEQRA) Long or Short Environmental Assessment Form (EAF) https://www.dec.ny.gov/permits/6191.html
- ☑ Completed EPA Spreadsheet Tool for Evaluating Pollutant Load (STEPL) https://www.epa.gov/nps/spreadsheet-tool-estimating-pollutant-loads-stepl or similar standardized methodology (describe)
- ☑ Project budget (see attached template)
- ☑ Ownership commitment is provided via letter of intent (LOI) for non-municipal owners or municipal resolution for municipal owners

11. OTHER ATTACHMENTS

List other attachments provided, including cost estimates, bids, plans, documentation of matching funds, and other as appropriate to demonstrate project readiness, quality, feasibility, and cost effectiveness

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BUDGET PROPOSAL

PLANNING/ENGINEERING/DESIGN	Town CPF Request	Matching Funds Committed	Matching Funds Pending	Estimated Total Project Costs
Task 1- Parlato Drive Drainage	$- 70,000.00	$-	$-	$- 70,000.00
Task 2- Glovers Lane Drainage	$- 8,000.00	$-	$-	$- 8,000.00
Task 3- Mill Road Drainage	$- 145,000.00	$-	$-	$- 145,000.00
Task 4-	$-	$-	$-	$- 0.00
Task 5-	$-	$-	$-	$- 0.00
Task 6-	$-	$-	$-	$- 0.00
	$-	$-	$-	$- 0.00
Planning/Engineering/Design Cost Total	$- 223,000.00	$- 0.00	$- 0.00	$- 223,000.00

Contractual Services				
	$-	$-	$-	$- 0.00
	$-	$-	$-	$- 0.00
	$-	$-	$-	$- 0.00
	$-	$-	$-	$- 0.00
	$-	$-	$-	$- 0.00
	$-	$-	$-	$- 0.00
	$-	$-	$-	$- 0.00
Contractual Services Cost Total	$- 0.00	$- 0.00	$- 0.00	$- 0.00

Construction & Site Improvements				
	$-	$-	$-	$- 0.00
	$-	$-	$-	$- 0.00
	$-	$-	$-	$- 0.00
	$-	$-	$-	$- 0.00
	$-	$-	$-	$- 0.00
	$-	$-	$-	$- 0.00
	$-	$-	$-	$- 0.00
Construction & Site Improvements Cost Total	$- 0.00	$- 0.00	$- 0.00	$- 0.00

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Equipment/Materials/Supplies	Town CPF Request	Matching Funds Committed	Matching Funds Pending	Estimated Total Project Costs
	$-	$-	$-	$-0.00
	$-	$-	$-	$-0.00
	$-	$-	$-	$-0.00
	$-	$-	$-	$-0.00
	$-	$-	$-	$-0.00
	$-	$-	$-	$-0.00
	$-	$-	$-	$-0.00
				$ 0.00
				$ 0.00
				$ 0.00
				$ 0.00
				$ 0.00
				$ 0.00
				$ 0.00
Equipment/Materials/Supplies Total	$-0.00	$0.00	$-0.00	$-0.00

Additional Cost				
	$-	$-	$-	$-0.00
	$-	$-	$-	$-0.00
	$-	$-	$-	$-0.00
	$-	$-	$-	$-0.00
	$-	$-	$-	$-0.00
	$-	$-	$-	$-0.00
	$-	$-	$-	$-0.00
Additional Cost Total	$-0.00	$-0.00	$-0.00	$-0.00

Planning/Engineering/Design Cost Total (from page 7)	$- 223,000.00	$- 0.00	$- 0.00	$- 223,000.00

Total Project Cost	$-223,000.00
Applicant matching funds committed	$-0.00
Applicant matching funds pending approval (e.g. grant request submitted pending determination)	$-0.00
Total CPF Funds Requested	$-223,000.00

Source of matching funds	Amount
See attached narrative	

TOWN OF SOUTHAMPTON
2021 COMMUNITY PRESERVATION FUND

VILLAGE OF WESTHAMPTON BEACH
STORMWATER IMPROVEMENTS

APPLICATION ATTACHMENTS

VILLAGE OF WESTHAMPTON BEACH
STORMWATER IMPROVEMENTS

ATTACHMENT 1 - NARRATIVES

PROJECT LOCATIONS

Street Address	SCTM#	Owner
10 Parlato Drive	0905011000200019000	Village of Westhampton Beach
35 Mill Road	0905012000400044000	Village of Westhampton Beach
99 Mill Road	0905012000400020004	Village of Westhampton Beach

PROJECT OVERVIEW

The Village of Westhampton Beach will complete drainage improvements that will increase capture, retention and treatment of stormwater in the tributary area to Moniebogue Bay. The work will consist of new catch basins and leaching areas in Village-owned parking lots on Parlato Drive, Glovers Lane, and Mill Road, as well as a hydrodynamic separator on Parlato Drive, to treat water before it reaches the outfall on the Moniebogue canal.

This project will be implemented in coordination with the Village of Westhampton Beach Phase I Sewer Service Area Project. At each project location, the existing paved areas will be disturbed for the purpose of installing sewer infrastructure. The Village is taking advantage of the opportunity to install additional drainage in these areas when sewer pump stations and force mains are installed. In so doing, the Village will achieve cost efficiencies at the same time that it is improving water quality.

3. PROJECT DESCRIPTION

3a. Existing conditions of applicable groundwater/sub-watershed/waterbody and most recent and relevant data available (provide sources).

Water Quality. The surface water bodies of East Moriches Bay, Moniebogue Bay, and Quantuck Bay, that surround the Inc. Village of Westhampton Beach (Village) have experienced an increase in recurring red, brown and rust tides. Due to these conditions, the water bodies were added to the New York State Department of Environmental Conservation (NYSDEC) Section 303(d) List of Impaired Waters Requiring a TMDL/Other Strategy in 2010. The pollutants of concern identified by the NYSDEC on the 303(d) list are nitrogen and low dissolved oxygen with onsite wastewater disposal systems and urban runoff as the suspected sources. The impacts from the ongoing degradation of these surface water bodies can be seen through the significant loss of native plant and shellfish species. A 2017 study prepared by Dr. Christopher J. Gobler provided data on high nutrient loading in these waterbodies. While his report attributed nitrogen loading primarily to outdated onsite septic systems and cesspools, the role of urban runoff was acknowledged.[1]

[1] Dr. Christopher J. Gobler, PhD. Quantifying Nitrogen Loading to from Village of Westhampton Beach to Surrounding Water Bodies and Their Mitigation by Creating a Sewer District. June 2017. Prepared for the Village of Westhampton Beach, Village Board of Trustees.

Water Quality Improvement Projects. In 2020, the Village completed a comprehensive sidewalk, traffic calming and roadway improvement project that incorporated extensive drainage improvements along Main Street. This work involved several strategies to increase capture, retention and treatment of stormwater in the tributary area, including replacement of failing structures; pervious surfaces; new curb inlets; new drywalls; and a hydrodynamic separator at the outfall to Moniebogue Canal. This work was supported in part by Southampton CPF funds awarded in 2018 ($1,238,933).

After years of planning, in April 2021, the Village broke ground on construction of its Phase I Sewer Collection and Conveyance System. This project is expected to substantially reduce nitrogen loading in the watershed area by redirecting wastewater effluent to the sewage treatment plant at Suffolk County Sewer District #24 at Gabreski. This work is supported in part by Southampton CPF funds ($1.13M for engineering, $4M for construction).

During the planning and engineering phase of the sewer project, the Village instructed its engineers to identify opportunities to improve stormwater handling in areas that will be disturbed for installation of pumping stations, piping and force mains. Three locations were identified and included as alternate items in the construction bid as follows:

- Alternate #1 Parlato Drive Parking Lot (located at 10 Parlato Drive)
- Alternate #2 Glovers Lane Parking Lot (located at 99 Mill Road)
- Alternate #3 Mill Road Parking Lot (located at 35 Mill Road)

3b. How the proposed solution addresses the issue in the context of Reduction, Remediation and/or Restoration as per the CPF Water Quality Project Plan.

CPF funding is requested to install drainage infrastructure in Village owned parking lots on Parlato Drive, Glovers Lane and Mill Road, in coordination with the Phase I Sewer Service Area Project, as per the attached site plans and Schedule of Values.

The drainage improvements will increase capture, retention and treatment of stormwater in the tributary area, reduce the volume of stormwater discharged at the outfall, and improve quality of the discharged water at the Moniebogue outfall. As a result, pollutant loading will be reduced. The scope of work will consist of the following:

- Parlato Drive Parking Lot: Install hydrodynamic separator, solid wall drainage pipe, six catch basins, associated piping, drainage manhole.

- Glovers Lane Parking Lot: Install a new catch basin with filter inserts that will be connected to an existing drywell. System will capture 2” storm; 126 CF total volume.

- Mill Road Parking Lot: Install four catch basins with filter inserts, drainage manholes, and associated piping to connect to a leaching field consisting of appx. 63 leaching galleys. System will capture 2” storm; 4,032 CF total volume.

3c. Describe the proposed technology and its demonstrated efficacy in similar settings. May include published data.

Hydrodynamic separators are considered structural best management practices to treat stormwater runoff and will reduce the amount of total suspended solids, oil and grease from entering the Bay. The other proposed items are standard stormwater system elements specified by a qualified engineer in accordance with accepted standards and with the NYS Stormwater Design Manual.

The Village's existing Public Works equipment and staff resources are sufficient to carry out the regular maintenance activities that are required to ensure continued good working order of the devices.

3d. How the project supports Town of Southampton, Suffolk County, NYSDEC, Long Island Nitrogen Action Plan (LINAP) or other adopted goals/policies (provide references).

Town of Southampton Water Quality Improvement Project Plan (WQIPP)
The project is located in a High Priority Area as defined in WQIPP maps (p. 54). The proposed stormwater collection, infiltration and treatment structures will remediate pollutant loading to Moniebogue Bay, a 303(d) waterbody.

Suffolk County Water Resources Management Plan[2]
The proposed stormwater collection, infiltration and treatment structures will support Recommendation 1.15, "Seek ways to remediate existing nitrogen pollution and its impacts" and 7.8, Develop a robust stormwater management program in coordination with local municipalities in New York State (Table 9-1).

4a. Identify Nitrogen, Pathogen or Pollutant of Concern (POC) including Existing Condition and Target Reduction.

Hydrodynamic Separator (HDS)Pollutant Reduction:

1. The HDS will be sized to achieve an **80 percent average annual reduction in the total suspended solid load.** The system will be sized using the OK-110 particle distribution having particles ranging from 53 microns to 212 microns with a d50 of around 110 microns.

2. The HDS be designed with a sump chamber for the storage of captured sediments and other negatively buoyant pollutants in between maintenance cycles. The minimum storage capacity provided by the sump chamber shall be in accordance with the volume listed in Table 1. The boundaries of the sump chamber shall be limited to that which do not degrade the SWTD's treatment efficiency as captured pollutants accumulate.

3. The HDS will be designed to capture and retain Total Petroleum Hydrocarbons generated by wet-weather flow and dry-weather gross spills and have a capacity listed in Table 1.

[2] https://www.suffolkcountyny.gov/Departments/Health-Services/Environmental-Quality/Water-Resources/Comprehensive-Water-Resources-Management-Plan

TABLE 1: Storm Water Treatment Device Storage Capacities

Cascade Model	Minimum Sump Storage Capacity (yd3)	Minimum Oil Storage Capacity (gal)
CS-4	**0.70**	**141.0**

The Glovers Lane and Mill Road systems will provide additional stormwater storage volume of 126 CF and 4,032 CF respectively, or 4,158 CF total.

4b. Describe plans for collecting and reporting on water quality over time.

The Village will continue to work Stony Brook University's School of Marine and Atmospheric Sciences (SOMAS) for collecting and reporting on water quality. SOMAS conducts sampling on a weekly basis at a monitoring station at Moniebogue Bay. These ongoing efforts are overseen by Dr. Christopher Gobler of Stony Brook University.

The Moriches Bay Project has an ongoing water monitoring program and will continue to share results with the Village.

4c. Indicate useful life of proposed technology (must meet or exceed five years).

The Village's engineering consultant has advised that the project will have an expected lifespan of fifty years or more. The fifty-year lifespan includes the hydrodynamic separator. There are no filters to replace and it is basically a concrete structure, so the life expectancy is similar to the other drainage system components. The Village will incorporate the infrastructure into its existing maintenance program, and will leverage existing staff and equipment, including a vacuum truck and street sweeper, to maintain the systems.

5. COST FACTORS

5a. Explain how you have confirmed that the proposed budget is reasonable, appropriate and necessary. If available, provide third party estimates or other documentation of how costs were determined.

The following points demonstrate that the proposed budget is reasonable, appropriate and necessary:

- The bid items were specified by the Village per detailed plans and specifications prepared by H2M engineers. Relevant construction documents are provided with the application attachments.
- Project costs are based on a competitively bid contract and reflect itemized costs included in the Schedule of Values agreed to by the contractor (Thomas Novelli Contracting Corp.). The schedule, showing the drainage items requested in this proposal, is included with the application attachments.
- The selected contractor was the lowest of six bidders, and deemed qualified and responsive in the course of the bid review process. All related documentation is on file and will be provided upon request.

In addition, the Village is able to deliver this project at a lower cost to CPF than would otherwise be possible if it were a stand-alone project. Because the drainage is being installed as part of the sewer system installation, tasks covered by the base bid for the sewer system are not being included as part of the drainage cost. These include demolition, site restoration, and related costs.

5b. Describe any matching funds to be provided.

The total cost of the contract with Thomas Novelli Contracting Corp is $12,344,000 as shown in the attached Schedule of Values, which is a part of the construction contract. Financing for this contract breaks down as follows:

$4,000,000	Town of Southampton CPF (sewer items only)
$5,000,000	NYSDEC
$1,784,500	NYSEFC
$223,000	This request from Town CPF (drainage items only)
$1,589,500	Village share of total project costs (includes drainage related and sewer items)

5c. Explain: i. Why project cannot proceed and intended benefits cannot be achieved without external funding. ii. if funds are awarded at a lower level than requested, or if there are cost overruns, explain how the project will proceed.

This project is one element of the overall estimated $17M investment required to complete the Village sewer system. As the Village itself has an $11M annual budget, the project far outweighs its ability to self-finance. Diversified funding streams are necessary to enable the Village to complete current and future phases of work, and it is pursuing all available avenues of funding, including grants from CPF, County, State and Federal sources, as well as lending programs offered by the NYS Environmental Facilities Corporation.

Cost overruns are unlikely due to the detailed engineering that was performed for this project, and the contract that is in place which contains an itemized schedule of values. Should a cost overrun occur, however unlikely, the Village will utilize its available funding mechanisms, including capital funds and financing tools to advance the project in a reasonable timeframe.

6. MANAGEMENT, EXPERIENCE, ABILITY

6a. Describe applicant's experience in completing similar projects.

Several recent initiatives demonstrate the Village's ability to complete complex projects.

Main Street: The Village recently completed a massive $11M reconstruction and revitalization project on Main Street. The many coordinated elements of this project included burying utility lines, which necessitated coordination with PSEG, Verizon and Altice; traffic calming features including two traffic circles, curb extensions and a raised crosswalk; and extensive water quality improvement features including replacement of failing infrastructure, installation of pervious pavements, and structures to improve stormwater capture, handling and treatment. The stormwater improvements included two hydrodynamic separators to remove contaminants before stormwater is discharged to Moniebogue canal. The Village successfully administered several Town, County and State grants in support of this project.

Phase I Sewer System Collection and Conveyance System: After three years of planning, the Village broke ground on this project in April 2021. Project planning and design were supported by a team of planning, engineering, finance and legal professionals who assisted the Village to move the project forward expeditiously. H2M architects + engineers have supported all engineering and design work for both the Main Street and Sewer Project, and will continue to their engagement until the sewer project concludes. The Village has applied for and received Town, County and State grants in support of this project which are currently ongoing.

The statement of qualifications for H2M, the Village's engineering firm, is included with the application attachments.

6b. Describe community support or opposition to project. If there is opposition, explain how this is to be addressed.

There is significant community support for the project. Support letters were secured in 2018 for prior applications submitted to the Town in 2018, 2019 and 2020 that broadly address community interest in the Main Street revitalization project and the environmental sustainability elements of that project. These letters are on file and available upon request.

6c. Describe any permits needed and time frame/status of approvals.

The proposed work is occurring in conjunction with the Phase 1 Sewer System project, and is included in the SEQRA determination received for that project. Please see the application attachments. Approvals for the larger project have been received from NYS Environmental Facilities Corporation, NYSDEC and Suffolk County Department of Public Works.

7. MAINTENANCE, MONITORING, EVALUATION

Estimate ongoing maintenance costs and explain how these will be supported. Explain stewardship and monitoring activities planned for ensuring sustainability of the project.

The Village's existing Public Works equipment and staff resources are sufficient to carry out the regular maintenance activities that are required to ensure continued good working order of the stormwater structures and hydrodynamic separator.

8. DURATION OF PROJECT

8a. Provide a projected project timeline.

The sewer project broke ground in April 2021. The stormwater elements described in this proposal are estimated to be installed in conjunction with the force mains, which is expected to occur September 2021 with final surface restoration complete by September 2022.

8b. If project is multi-year or phased, provide a breakdown of budget and milestones for each year and phase.

N/A

The Board of Trustees of the Village of Westhampton Beach held a Regular Meeting on Thursday May 6, 2021 at 5 p.m. via Zoom video conferencing

PRESENT: Mayor Maria Z. Moore
Deputy Mayor Ralph Urban
Trustee Stephen Frano
Trustee Rob Rubio
Trustee Brian Tymann

Clerk-Treasurer Elizabeth Lindtvit
Village Attorney Steve Angel

RESOLUTIONS

Authorize the Mayor to Execute Any and All Documents Pertaining to the Town of Southampton Community Preservation Fund Water Quality Improvement Program

Motion made by Trustee Frano:

RESOLVED, that the Village of Westhampton Beach hereby authorizes the Mayor or her designee to execute any and all documents pertaining to the 2021 Town of Southampton Community Preservation Fund Water Quality Improvement Program application to support estimated project costs associated with construction of stormwater quality improvements in priority areas of the Village.

Seconded by Trustee Rubio and unanimously approved 4 Ayes, 0 Nays

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DATED: May 6, 2021

Elizabeth Lindtvit
Village Clerk

I HEREBY CERTIFY that the within is a true and correct copy of the original on file in my office and of the whole thereof.

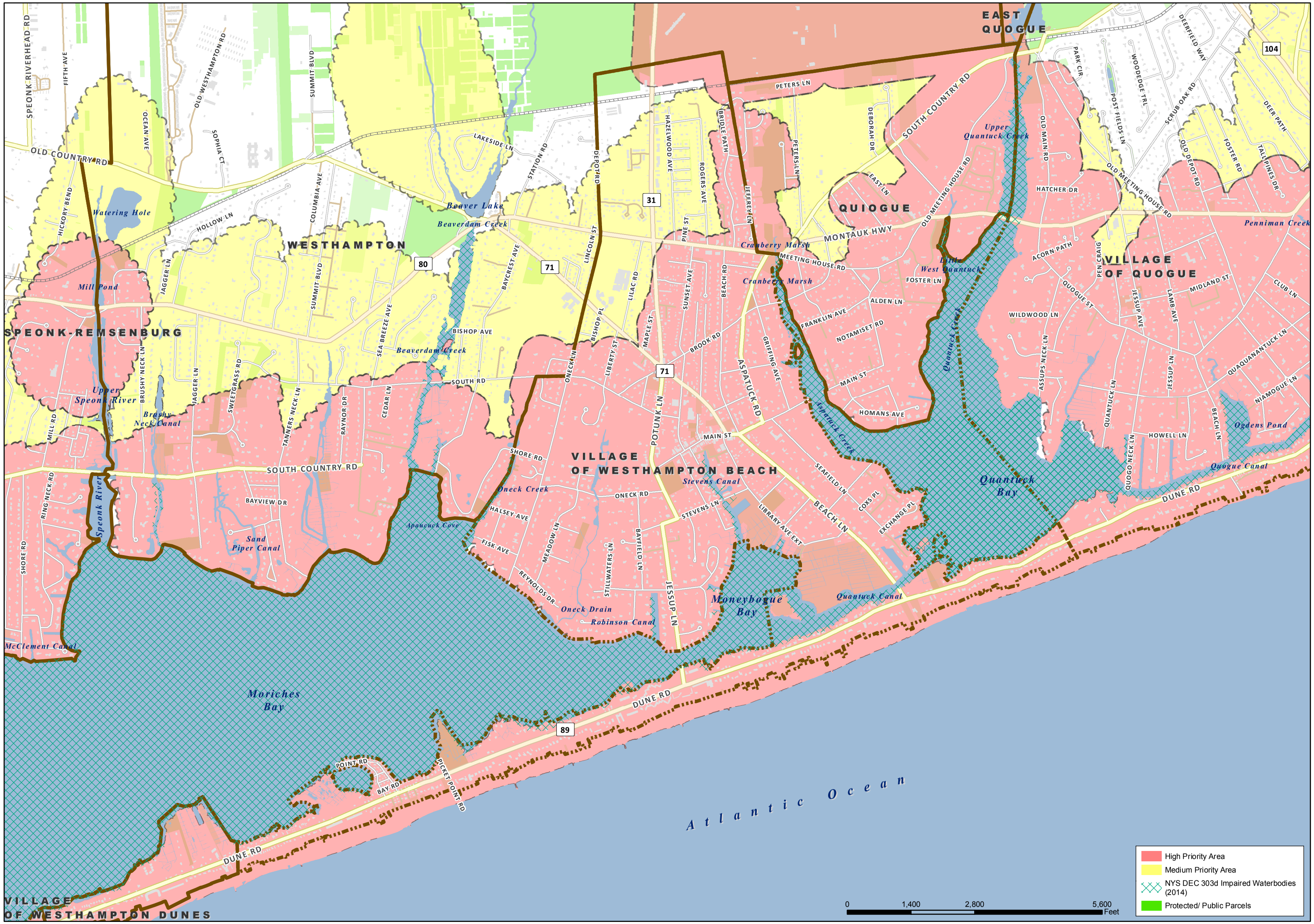
Village of Westhampton Beach **Clerk**

Dated: May 12, 2021

Town of Southampton CPF Water Quality Improvement Project Plan

VILLAGE OF WESTHAMPTON BEACH

A-9



Prepared By:The Town of Southampton Dept of Geographic Information Systems Date: 7/5/2016 - MAP ID: 2514


WESTHAMPTON BEACH VILLAGE
SUFFOLK COUNTY N.Y.
Village of Westhampton Beach
Community Preservation Fund 2021
Stormwater Improvement Locations
Glovers Lane
Parking Lot
Mill Road
Parking Lot
Parlato Drive
Parking Lot
Mill Rd
Woodland Ave
Church Ln
Beach Rd
Aspatuck Rd
South Rd
Long Island
Sunset Ave
Hansen Pl
Glovers Ln
Main St
Beach Ln
Westhampton Country Club
Potunk Ln
Montebogue Ln
Parlato Pl
Parlato Dr
Library Ave
Mitchell Rd

VILLAGE OF WESTHAMPTON BEACH

NOTICE OF DETERMINATION OF LEAD AGENCY
AND
COORDINATED REVIEW UNDER SEQRA

To: Southampton Town Board
Southampton Town Hall
116 Hampton Road
Southampton, NY 11968

Re: Village of Westhampton Beach Sewer System Project

The Village of Westhampton Beach is considering the establishment of the Incorporated Village of Westhampton Beach Sewer System, including the adoption of a formal Map and Plan (hereinafter, the "sewer system project").

As presently contemplated, but subject to further review and modification, the sewer system project is separated into four phases. Phase 1 focuses on the area surrounding Main Street and includes the Moniebogue Bay watershed – which has been identified by the New York State Department of Environmental Conservation as an impaired water body. Phase 2 (north of Main Street) and Phase 3 (centered on Montauk Highway/County Road 80) have been identified as future sewer service areas within the Village. Phase 4 comprises all tax parcels within the Village that are not located within the Phase 1, 2 or 3 service areas and would be served by innovative advanced on-site nitrogen removal systems. The proposed Phase 1 sewer service area is approximately 31.29 acres in total area and comprises 89 residential properties and 67 commercial properties. The proposed Phase 1 sewer system will consist of a combination of gravity and low pressure sewers, two conventional pump stations and two force mains. The existing Gabreski Airport Sewage Treatment Plant (STP) has been identified as the preferred treatment location for sewage flow from the proposed service area. The Gabreski Airport STP would be modified to provide the additional capacity to support the Village's flow. It is anticipated that existing equipment at the facility would be replaced to increase capacity without requiring expansion outside of the footprint of the facility or any additional tankage.

The Village Board of Trustees has preliminarily classified the sewer system project as a Type I action under the State Environmental Quality Review Act ("SEQRA" – Article 8 of the New York Environmental Conservation Law).

You have been identified as a potential "involved agency" for purposes of SEQRA review, due to the fact that the sewer system project will extend beyond the boundaries of the incorporated Village of Westhampton Beach and into the unincorporated territory of the Town of Southampton for purposes of connecting the system to the Gabreski Airport STP. New York State Village Law §14-402 requires consent of the Southampton Town Board under such circumstances.

Pursuant to 6 NYCRR Section 617.6(b)(3), the Village Board of Trustees has determined the following:

1. That there will be coordinated review of the application;
2. That the Village Board of Trustees is proposing to serve as lead agency.

PLEASE TAKE NOTICE, that the Village of Westhampton Beach Board of Trustees shall assume lead agency status unless you notify the Board of Trustees within thirty (30) days that you disagree with this designation:

Annexed hereto are copies of the following:

1. EAF Part I; and
2. Site map for sewer system project.

Dated: September 27, 2017

Village of Westhampton Beach
Board of Trustees

By: _____
Anthony C. Pasca, Village Attorney

Instructions for Completing Part 1

Part 1 is to be completed by the applicant or project sponsor. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the project sponsor to verify that the information contained in Part 1 is accurate and complete.

A. Project and Sponsor Information.

Name of Action or Project: Village of Westhampton Beach Sewer System		
Project Location (describe, and attach a general location map): Project is centered in the Main Street Commercial District/Moniebogue Bay Watershed, Village of Westhampton Beach, NY (see attached location map)		
Brief Description of Proposed Action (include purpose or need): The proposed project involves the establishment of the Village of Westhampton Beach Sewer System and the installation of sewer infrastructure to serve the Village's Main Street commercial district. The total proposed area to be sewered is approximately 35 acres (total area of the tax parcels within the proposed sewer service area is 31.29 acres) and comprises 89 residential properties and 67 commercial properties. The project would install a combination of gravity and low pressure sewer mains within the 35-acre service area, with two pump stations to pump sewage to the existing Gabreski Airport Sewage Treatment Plant (STP). Modification to the existing STP would be performed within the existing building footprint. Parallel force mains would extend from the two pump stations, along Oak Street, to the Gabreski STP. Project area includes he central portion of the Main Street commercial district and spans from just west of Sunset Avenue/Mitchell Road to just east of Mill Avenue/Library Avenue. The northern boundary of the service area is located just north of Main Street with the southern boundary running along Stevens Lane.		
Name of Applicant/Sponsor: Village of Westhampton Beach	Telephone: 631-288-1654 E-Mail: info@westhamptonbeach.org	
Address: 165 Mill Road		
City/PO: Westhampton Beach	State: New York	Zip Code: 11978
Project Contact (if not same as sponsor; give name and title/role):	Telephone: E-Mail:	
Address:		
City/PO:	State:	Zip Code:
Property Owner (if not same as sponsor):	Telephone: E-Mail:	
Address:		
City/PO:	State:	Zip Code:

B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.)

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Council, Town Board, or Village Board of Trustees ☑Yes☐No	Village Board of Trustees - SEQRA determination; DPW - road opening permits	10/2017
b. City, Town or Village Planning Board or Commission ☐Yes☐No		
c. City Council, Town or Village Zoning Board of Appeals ☐Yes☐No		
d. Other local agencies ☑Yes☐No	Town of Southampton - Town Board; Highway Dept. - road opening permits	TBD
e. County agencies ☑Yes☐No	Dept. of Econ. Dev/Plan. - Funding; SCDHS -Eng Design Review, SCPC Referral, DPW - roads	TBD (following SEQRA determination)
f. Regional agencies ☐Yes☐No		
g. State agencies ☑Yes☐No	SHPO - (arch/hist); EFC - Funding; DEC - Eng. Design Review; Comptroller - SD ; MTA; NYSDOH	SHPO - in progress. Others - TBD (following SEQRA determination)
h. Federal agencies ☐Yes☐No		

i. Coastal Resources.

i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? ☑Yes☐No

ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? ☐Yes☑No

iii. Is the project site within a Coastal Erosion Hazard Area? ☐Yes☑No

C. Planning and Zoning

C.1. Planning and zoning actions.

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? ☐Yes☑No

- **If Yes,** complete sections C, F and G.
- **If No,** proceed to question C.2 and complete all remaining sections and questions in Part 1

C.2. Adopted land use plans.

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? ☑Yes☐No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? ☑Yes☐No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) ☐Yes☑No

If Yes, identify the plan(s):

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? ☑Yes☐No

If Yes, identify the plan(s):

Open Space Acquisition Policy Plan for Suffolk County, Town of Southampton Community Preservation Plan

C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. ☑ Yes ☐ No
If Yes, what is the zoning classification(s) including any applicable overlay district?
B-1 (Business District 1), HC (Hamlet Commercial) and MF-20 (Multi-Family Residence).

b. Is the use permitted or allowed by a special or conditional use permit? ☑ Yes ☐ No

c. Is a zoning change requested as part of the proposed action? ☐ Yes ☑ No
If Yes,
i. What is the proposed new zoning for the site?

C.4. Existing community services.

a. In what school district is the project site located? Westhampton Beach UFSD

b. What police or other public protection forces serve the project site?
Westhampton Beach Police

c. Which fire protection and emergency medical services serve the project site?
Westhampton Beach Fire District/Westhampton War Memorial Ambulance Association, Inc.

d. What parks serve the project site?
The Great Lawn, Village Marina

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Formation of the Westhampton Beach Sewer District and installation of a sewer system

b. a. Total acreage of the site of the proposed action? 35 acres
b. Total acreage to be physically disturbed? 8 (Phase 1) acres **Note: 10+ acres disturbed with potential future Phases 2, 3 & 4**
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? N/A acres

c. Is the proposed action an expansion of an existing project or use? ☐ Yes ☑ No
i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % _____ Units: _____

d. Is the proposed action a subdivision, or does it include a subdivision? ☐ Yes ☑ No
If Yes,
i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)
ii. Is a cluster/conservation layout proposed? ☐ Yes ☐ No
iii. Number of lots proposed? _____
iv. Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____

e. Will proposed action be constructed in multiple phases? ☑ Yes ☐ No
i. If No, anticipated period of construction: _____ months
ii. If Yes:
- Total number of phases anticipated 4
- Anticipated commencement date of phase 1 (including demolition) 10 month 2018 year
- Anticipated completion date of final phase TBD month TBD year
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases:

This EAF focuses on the formation of the sewer district and the installation of the Phase 1 Service Area. Phase 2 (north of Main Street) and Phase 3 (centered on Montauk Highway/CR 80) have been identified as future sewer service areas within the Village. Phase 4 comprises all tax parcels located within the Village that are not located within the Phase 1, 2 or 3 Service Areas and would be served by innovative advanced on-site nitrogen removal systems. Phases 2, 3 and 4 are contingent upon additional funding and extensive upgrades to the Gabreski STP (or construction of a new facility).

f. Does the project include new residential uses? ☐Yes ☑No

If Yes, show numbers of units proposed.

	One Family	Two Family	Three Family	Multiple Family (four or more)
Initial Phase				
At completion of all phases				

g. Does the proposed action include new non-residential construction (including expansions)? ☑Yes ☐No

If Yes,

i. Total number of structures 2

ii. Dimensions (in feet) of largest proposed structure: TBD height; TBD width; and TBD length

iii. Approximate extent of building space to be heated or cooled: N/A (two pump stations) square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? ☐Yes ☑No

If Yes,

i. Purpose of the impoundment: _____

ii. If a water impoundment, the principal source of the water: ☐ Ground water ☐ Surface water streams ☐ Other specify: _____

iii. If other than water, identify the type of impounded/contained liquids and their source. _____

iv. Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres

v. Dimensions of the proposed dam or impounding structure: _____ height; _____ length

vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete): _____

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite) ☐Yes ☑No

If Yes:

i. What is the purpose of the excavation or dredging? _____

ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?

- Volume (specify tons or cubic yards): _____
- Over what duration of time? _____

iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them. _____

iv. Will there be onsite dewatering or processing of excavated materials? ☐Yes ☐No

If yes, describe. _____

v. What is the total area to be dredged or excavated? _____ acres

vi. What is the maximum area to be worked at any one time? _____ acres

vii. What would be the maximum depth of excavation or dredging? _____ feet

viii. Will the excavation require blasting? ☐Yes ☐No

ix. Summarize site reclamation goals and plan: _____

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? ☐Yes ☑No

If Yes:

i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): _____

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

iii. Will proposed action cause or result in disturbance to bottom sediments? ☐Yes☐No
If Yes, describe:

iv. Will proposed action cause or result in the destruction or removal of aquatic vegetation? ☐Yes☐No
If Yes:

- acres of aquatic vegetation proposed to be removed:
- expected acreage of aquatic vegetation remaining after project completion:
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access):
- proposed method of plant removal:
- if chemical/herbicide treatment will be used, specify product(s):

v. Describe any proposed reclamation/mitigation following disturbance:

c. Will the proposed action use, or create a new demand for water? ☑Yes☐No
If Yes:

i. Total anticipated water usage/demand per day: (existing) 60,000 gallons/day

ii. Will the proposed action obtain water from an existing public water supply? ☑Yes☐No
If Yes:

- Name of district or service area: Southampton
- Does the existing public water supply have capacity to serve the proposal? ☑Yes☐No
- Is the project site in the existing district? ☑Yes☐No
- Is expansion of the district needed? ☐Yes☑No
- Do existing lines serve the project site? ☑Yes☐No

iii. Will line extension within an existing district be necessary to supply the project? ☐Yes☑No
If Yes:

- Describe extensions or capacity expansions proposed to serve this project:
- Source(s) of supply for the district:

iv. Is a new water supply district or service area proposed to be formed to serve the project site? ☐Yes☑No
If, Yes:

- Applicant/sponsor for new district:
- Date application submitted or anticipated:
- Proposed source(s) of supply for new district:

v. If a public water supply will not be used, describe plans to provide water supply for the project:

vi. If water supply will be from wells (public or private), maximum pumping capacity: _____ gallons/minute.

d. Will the proposed action generate liquid wastes? ☑Yes☐No
If Yes:

i. Total anticipated liquid waste generation per day: (existing) 60,000 gallons/day **conveyed to STP in-lieu of septic systems**

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each):
sanitary wastewater

iii. Will the proposed action use any existing public wastewater treatment facilities? ☑Yes☐No
If Yes:

- Name of wastewater treatment plant to be used: Gabreski Airport STP
- Name of district: Suffolk County Sewer District No. 24 - Gabreski-Municipal
- Does the existing wastewater treatment plant have capacity to serve the project? ☑Yes☐No
- Is the project site in the existing district? ☐Yes☑No
- Is expansion of the district needed? ☐Yes☑No

Note: Project seeks to establish new Village Sewer District

- Do existing sewer lines serve the project site? ☐Yes ☑No
- Will line extension within an existing district be necessary to serve the project? ☑Yes ☐No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project:

Line extension would be required to connect the proposed service area to the existing Gabreski STP. Approx. 12,500 LF of parallel 4" pipe would be utilized. STP equipment would be replaced to increase capacity without requiring expansion outside of the footprint of the facility or any additional tankage.

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? ☑Yes ☐No

If Yes:

- Applicant/sponsor for new district: Village of Westhampton Beach
- Date application submitted or anticipated: 2018 (anticipated)
- What is the receiving water for the wastewater discharge? Groundwater

v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge, or describe subsurface disposal plans):

Existing Gabreski Airport STP will be utilized.

vi. Describe any plans or designs to capture, recycle or reuse liquid waste:

N/A

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? ☑Yes ☐No

Note: No change in stormwater runoff as all disturbed areas will be restored to prior condition (landscaped or paved)

If Yes:

i. How much impervious surface will the project create in relation to total size of project parcel?

_____ Square feet or 0 acres (impervious surface) **See note above - No increase in impervious surfaces**

_____ Square feet or 35 acres (parcel size) **Size of Proposed Phase 1 Service Area**

ii. Describe types of new point sources. None

iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?

Any construction-related stormwater runoff will be managed through provisions outlined in the project's SWPPP. Following construction, no stormwater runoff is anticipated as there will not be an increase in impervious surface/new point sources.

- If to surface waters, identify receiving water bodies or wetlands:

N/A

- Will stormwater runoff flow to adjacent properties? ☐Yes ☑No

iv. Does proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? ☐Yes ☑No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? ☑Yes ☐No

If Yes, identify:

i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)

Intermittent deliveries to the sewage treatment plant

ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)

N/A

iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)

Wastewater process emissions (hydrogen sulfide likely, methanogenesis is not occurring within the aerobic treatment tanks and sludge holding tanks)

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? ☐Yes ☑No

If Yes:

i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) ☐Yes ☐No

ii. In addition to emissions as calculated in the application, the project will generate:

- _____ Tons/year (short tons) of Carbon Dioxide (CO_2)
- _____ Tons/year (short tons) of Nitrous Oxide (N_2O)
- _____ Tons/year (short tons) of Perfluorocarbons (PFCs)
- _____ Tons/year (short tons) of Sulfur Hexafluoride (SF_6)
- _____ Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (HFCs)
- _____ Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? ☐Yes ☑No

If Yes:

i. Estimate methane generation in tons/year (metric): _____

ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? ☐Yes ☑No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust):

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? ☐Yes ☑No

If Yes:

i. When is the peak traffic expected (Check all that apply): ☐ Morning ☐ Evening ☐Weekend ☐ Randomly between hours of _____ to _____.

ii. For commercial activities only, projected number of semi-trailer truck trips/day: _____

iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____

iv. Does the proposed action include any shared use parking? ☐Yes ☐No

v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:

vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? ☐Yes ☐No

vii Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? ☐Yes ☐No

viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? ☐Yes ☐No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? ☑Yes ☐No

If Yes:

i. Estimate annual electricity demand during operation of the proposed action: _____

550 kW-hr of electricity per day

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):

Grid/Local utility (PSEG)

iii. Will the proposed action require a new, or an upgrade to, an existing substation? ☐Yes ☑No

l. Hours of operation. Answer all items which apply. **Note: All construction will suspended from Memorial Day to Labor Day**

i. During Construction:

- Monday - Friday: 7 AM - 6 PM
- Saturday: 8 AM - 5 PM
- Sunday: 8 AM - 5 PM
- Holidays: No Construction Activity

ii. During Operations:

- Monday - Friday: 24 hrs/day
- Saturday: 24 hrs/day
- Sunday: 24 hrs/day
- Holidays: 24 hrs/day

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? ☑ Yes ☐ No

If yes:

i. Provide details including sources, time of day and duration:

Construction activities may temporarily produce noise exceeding existing ambient levels but would be restricted to the hours/seasons specified above.

ii. Will proposed action remove existing natural barriers that could act as a noise barrier or screen? ☐ Yes ☑ No

Describe: _____

n.. Will the proposed action have outdoor lighting? ☐ Yes ☑ No

If yes:

i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:

ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? ☐ Yes ☑ No

Describe: _____

o. Does the proposed action have the potential to produce odors for more than one hour per day? ☐ Yes ☑ No

If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: _____

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? ☐ Yes ☑ No

If Yes:

i. Product(s) to be stored _____

ii. Volume(s) _____ per unit time _____ (e.g., month, year)

iii. Generally describe proposed storage facilities: _____

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? ☐ Yes ☑ No

If Yes:

i. Describe proposed treatment(s):

ii. Will the proposed action use Integrated Pest Management Practices? ☐ Yes ☐ No

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? ☐ Yes ☑ No

If Yes:

i. Describe any solid waste(s) to be generated during construction or operation of the facility:

- Construction: _____ tons per _____ (unit of time)
- Operation : _____ tons per _____ (unit of time)

ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

- Construction: _____
- Operation: _____

iii. Proposed disposal methods/facilities for solid waste generated on-site:

- Construction: _____
- Operation: _____

s. Does the proposed action include construction or modification of a solid waste management facility? ☐ Yes ☑ No

If Yes:

i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____

ii. Anticipated rate of disposal/processing:

- _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
- _____ Tons/hour, if combustion or thermal treatment

iii. If landfill, anticipated site life: _____ years

t. Will proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? ☐ Yes ☑ No

If Yes:

i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

ii. Generally describe processes or activities involving hazardous wastes or constituents: _____

iii. Specify amount to be handled or generated _____ tons/month

iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? ☐ Yes ☐ No

If Yes: provide name and location of facility: _____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility:

E. Site and Setting of Proposed Action

E.1. Land uses on and surrounding the project site

a. Existing land uses.

i. Check all uses that occur on, adjoining and near the project site.

☐ Urban ☐ Industrial ☑ Commercial ☑ Residential (suburban) ☐ Rural (non-farm)
☐ Forest ☐ Agriculture ☐ Aquatic ☐ Other (specify): _____

ii. If mix of uses, generally describe:

Phase 1 project area includes the Main Street commercial district and includes 89 residential properties and 67 commercial properties.

b. Land uses and covertypes on the project site.

Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	8 (Phase 1); 10+ (Ph. 2, 3 & 4)	8 (Phase 1);10+ (Ph. 2, 3 & 4)	0
• Forested			
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)			
• Agricultural (includes active orchards, field, greenhouse etc.)			
• Surface water features (lakes, ponds, streams, rivers, etc.)			
• Wetlands (freshwater or tidal)			
• Non-vegetated (bare rock, earth or fill)			
• Other Describe: Landscaped Area			

c. Is the project site presently used by members of the community for public recreation? ☑ Yes ☐ No

i. If Yes: explain: The Great Lawn and Village Marina are located just outside of the proposed service area. Water quality at Marina will improve.

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? ☑ Yes ☐ No

If Yes,

i. Identify Facilities:

Family Counseling Services (40 Main St. Westhampton Beach, NY)

e. Does the project site contain an existing dam? ☐ Yes ☑ No

If Yes:

i. Dimensions of the dam and impoundment:

- Dam height: _____ feet
- Dam length: _____ feet
- Surface area: _____ acres
- Volume impounded: _____ gallons OR acre-feet

ii. Dam's existing hazard classification: _____

iii. Provide date and summarize results of last inspection:

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? ☐ Yes ☑ No

If Yes:

i. Has the facility been formally closed? ☐ Yes ☐ No

- If yes, cite sources/documentation: _____

ii. Describe the location of the project site relative to the boundaries of the solid waste management facility:

iii. Describe any development constraints due to the prior solid waste activities: _____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? ☐ Yes ☑ No

If Yes:

i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred:

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? ☐ Yes ☑ No

If Yes:

i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: ☐ Yes ☐ No

☐ Yes – Spills Incidents database — Provide DEC ID number(s): _____

☐ Yes – Environmental Site Remediation database — Provide DEC ID number(s): _____

☐ Neither database

ii. If site has been subject of RCRA corrective activities, describe control measures: _____

iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? ☐ Yes ☑ No

If yes, provide DEC ID number(s): _____

iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):

v. Is the project site subject to an institutional control limiting property uses? ☐Yes ☐No

- If yes, DEC site ID number: _____
- Describe the type of institutional control (e.g., deed restriction or easement): _____
- Describe any use limitations: _____
- Describe any engineering controls: _____
- Will the project affect the institutional or engineering controls in place? ☐Yes ☐No
- Explain: _____

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site? Greater than 100 feet

b. Are there bedrock outcroppings on the project site? ☐Yes ☑No
If Yes, what proportion of the site is comprised of bedrock outcroppings? _____ %

c. Predominant soil type(s) present on project site:

Riverhead sandy loam, 0-3% (RdA)	89 %
Cut & fill land, gently sloping (CuB)	9 %
	%

d. What is the average depth to the water table on the project site? Average: 6 feet

e. Drainage status of project site soils:
☑ Well Drained: 100 % of site
☐ Moderately Well Drained: _____ % of site
☐ Poorly Drained _____ % of site

f. Approximate proportion of proposed action site with slopes:
☑ 0-10%: 95 % of site
☑ 10-15%: 3 % of site
☑ 15% or greater: 2 % of site

g. Are there any unique geologic features on the project site? ☐Yes ☑No
If Yes, describe: _____

h. Surface water features.

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? ☑Yes ☐No

ii. Do any wetlands or other waterbodies adjoin the project site? **Note: No construction in these areas** ☑Yes ☐No
If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? ☑Yes ☐No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name 923-66 Classification SC
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name Federal Waters Approximate Size Tidal Wetlands (LZ)
- Wetland No. (if regulated by DEC) _____

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? ☑Yes ☐No
If yes, name of impaired water body/bodies and basis for listing as impaired:
Name - Pollutants - Uses:Quantuck Canal/Moneybogue Bay – Pathogens – Shellfishing

i. Is the project site in a designated Floodway? ☐Yes ☑No

j. Is the project site in the 100 year Floodplain? ☑Yes ☐No

k. Is the project site in the 500 year Floodplain? ☑Yes ☐No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? ☑Yes ☐No
If Yes:
i. Name of aquifer: Sole Source Aquifer Names:Nassau-Suffolk SSA

m. Identify the predominant wildlife species that occupy or use the project site:
N/A - Project Area nearly fully developed

n. Does the project site contain a designated significant natural community? ☑Yes ☐No
If Yes:
i. Describe the habitat/community (composition, function, and basis for designation):
Marine Eelgrass Meadow
ii. Source(s) of description or evaluation: NYS DEC
iii. Extent of community/habitat:
- Currently: 1597.81 acres
- Following completion of project as proposed: 1597.81 acres **Note: No construction in this area**
- Gain or loss (indicate + or -): 0 acres

o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? ☐Yes ☑No

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? ☐Yes ☑No

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? ☑Yes ☐No
If yes, give a brief description of how the proposed action may affect that use:
Moniebogue Bay has historically been used for fishing/shellfishing but suffers from chronic pollution (classified as impaired by NYS DEC). Proposed action will significantly reduce nitrogen loading associated with wastewater, which is the largest contributor to poor water quality in Moniebogue Bay.

E.3. Designated Public Resources On or Near Project Site

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? ☐Yes ☑No
If Yes, provide county plus district name/number:

b. Are agricultural lands consisting of highly productive soils present? ☐Yes ☑No
i. If Yes: acreage(s) on project site?
ii. Source(s) of soil rating(s):

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? ☐Yes ☑No
If Yes:
i. Nature of the natural landmark: ☐ Biological Community ☐ Geological Feature
ii. Provide brief description of landmark, including values behind designation and approximate size/extent:

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? ☐Yes ☑No
If Yes:
i. CEA name:
ii. Basis for designation:
iii. Designating agency and date:

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on, or has been nominated by the NYS Board of Historic Preservation for inclusion on, the State or National Register of Historic Places? ☑ Yes ☐ No

Note: Historic Resources are located outside of project area

If Yes:

i. Nature of historic/archaeological resource: ☐ Archaeological Site ☑ Historic Building or District

ii. Name: US Post Office--Westhampton Beach, Foster-Meeker House

iii. Brief description of attributes on which listing is based:

Post Office - Colonial Revival Arch./WPA Project, Foster-Meeker House - 1735 shingled Cape-Cod residence.

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? ☐ Yes ☑ No

g. Have additional archaeological or historic site(s) or resources been identified on the project site? ☐ Yes ☑ No

If Yes:

i. Describe possible resource(s): _____

ii. Basis for identification: _____

h. Is the project site within fives miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? ☑ Yes ☐ No

If Yes:

i. Identify resource: The Great Lawn, Village Marina/Moniebogue Bay

ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): Local Parks/Recreational Facilities

iii. Distance between project and resource: 0.10 miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? ☐ Yes ☑ No

If Yes:

i. Identify the name of the river and its designation: _____

ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? ☐ Yes ☐ No

F. Additional Information

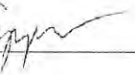
Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

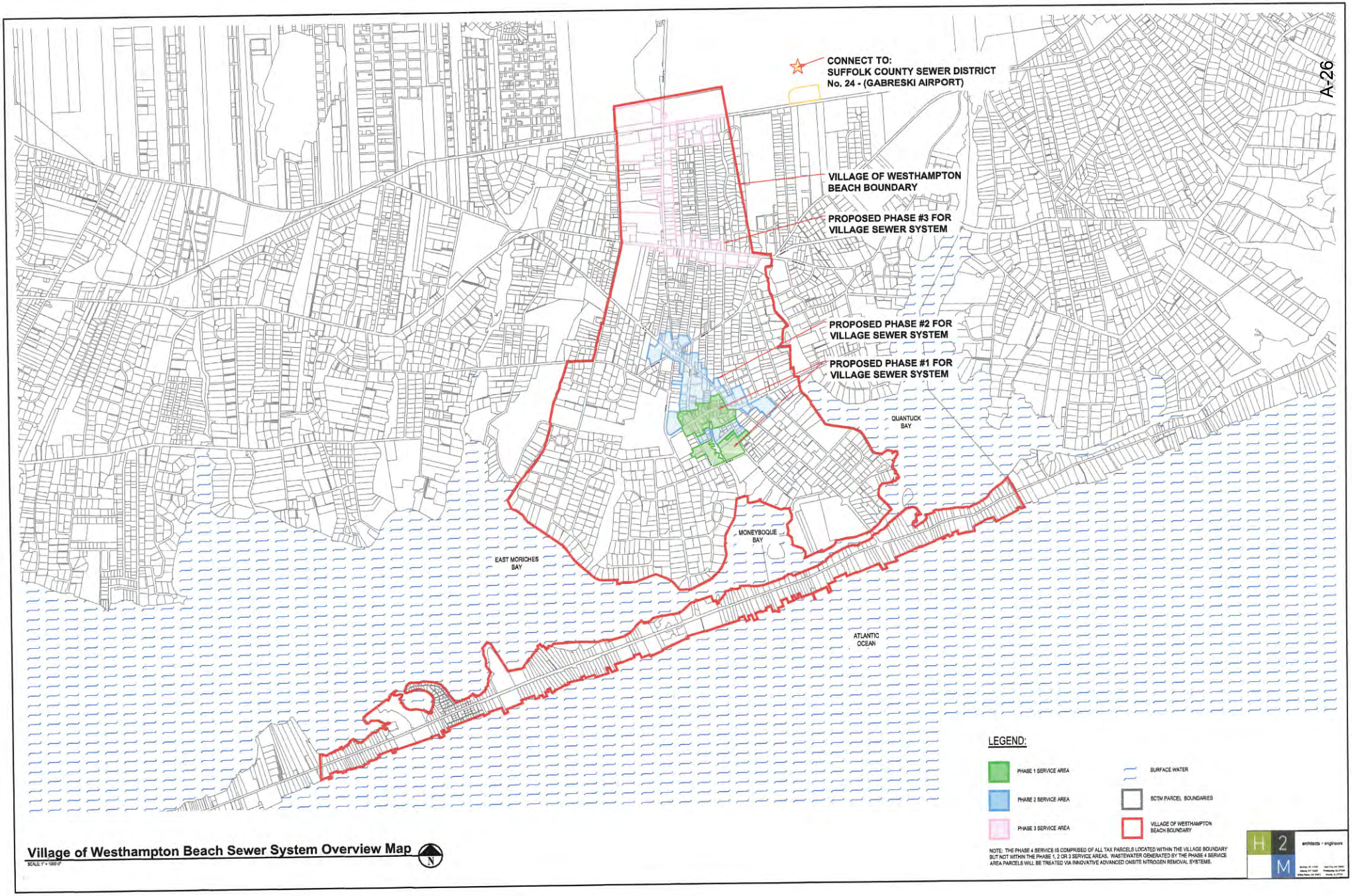
G. Verification

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name David Tepper Date 9/29/2017

Signature  Title Planner, AICP (Cameron Engineering & Associates, LLP)

PRINT FORM



Village of Westhampton Beach Sewer System Overview Map

SCALE: 1" = 1000'-0"

* AERIAL BACKGORUND IMAGERY WAS OBTAINED FROM THE NEW YORK STATE GIS CLEARINGHOUSE WEBSITE:http://gis.ny.gov/gateway/mg/

Preliminary Phase 1 Sewer Service Area Map

N

SCALE: 1" = 200-0"

LEGEND:

- SCTM PARCEL BOUNDARIES
- PROPOSED SEWER SERVICE AREA
- PROPOSED SEWER SYSTEM EASEMENT LOCATIONS (20' WIDE)
- PROPOSED PUMP STATION SITE
- PROPOSED GRAVITY SEWER MAIN HOLE
- PROPOSED SEWER SERVICE LATERAL
- PROPOSED GRAVITY SEWER MAIN
- PROPOSED FORCE MAIN
- PROPOSED 3" Ø LPS MAIN

Sanitary Flow Projection based on SCWA usage records: (ADF approx. 60,000 gpd)

NYS Land Use	Description	Area		Tax Parcels
		Acerage	% Acreage	Tax Parcel Count
100	Agricultural	0.00 ac.	0.0%	0 parcels
200	Residential	21.95 ac.	70.2%	88 parcels
300	Vacant Land	0.34 ac.	1.1%	1 parcels
400	Commercial	8.70 ac.	27.8%	66 parcels
500	Recreation & Entertainment	0.00 ac.	0.0%	0 parcels
600	Community Services	0.30 ac.	1.0%	1 parcels
700	Industrial	0.00 ac.	0.0%	0 parcels
800	Public Services	0.00 ac.	0.0%	0 parcels
900	Wild, Forested, Conservation Lands & Public Parks	0.00 ac.	0.0%	0 parcels
	TOTAL . . .	**31.29 ac.**	**100%**	**156 parcels**

CLIENT
Incorporated Village of Westhampton Beach

PROJECT #: WHBV 16-01

DATE: 7/14/2016

H2M architects + engineers
Melville, NY New City, NY Albany, NY Parsippany, NJ

X:\WHBV (Inc. Village of Westhampton Beach) - 10982\WHBV16\01 SEWER MAP AND PLANS\2-BIM-CAD\Sewer Service Area Map_DRAFT.dwg Last Modified: Aug 29, 2017 - 4:38pm Plotted on: Aug 29, 2017 - 4:40pm By: rbono

AFFIDAVIT OF MAILING

STATE OF NEW YORK)
COUNTY OF SUFFOLK) ss.:

Gail Johnson, being duly sworn, deposes and says:

1.I am not a party to the action, I am over 18 years of age, and I reside in Riverhead, New York.

2. On October 2, 2017, I served, by regular first class mail, the annexed VILLAGE OF WESTHAMPTON BEACH NOTICE OF DETERMINATION OF LEAD AGENCY AND COORDINATED REVIEW UNDER SEQRA upon the following agency at the address listed below, by depositing the original of same, enclosed in a postpaid wrapper, in an official depository under the exclusive care and custody of the United States Postal Service within the State of New York:

Southampton Town Board
Southampton Town Hall
116 Hampton Road
Southampton, NY 11968

Gail Johnson

Gail Johnson

Sworn to before me October 4, 2017

Notary Public

ELIZABETH SPIESS
Notary Public, State of New York
No. 4811949
Qualified in Suffolk County
Commission Expires September 30, 2018

VILLAGE OF WESTHAMPTON BEACH

NOTICE OF DETERMINATION OF LEAD AGENCY
AND
COORDINATED REVIEW UNDER SEQRA

To: Town of Southampton Highway Department
20 Jackson Avenue
Hampton Bays, NY 11946

Re: Village of Westhampton Beach Sewer System Project

The Village of Westhampton Beach is considering the establishment of the Incorporated Village of Westhampton Beach Sewer System, including the adoption of a formal Map and Plan (hereinafter, the "sewer system project").

As presently contemplated, but subject to further review and modification, the sewer system project is separated into four phases. Phase 1 focuses on the area surrounding Main Street and includes the Moniebogue Bay watershed – which has been identified by the New York State Department of Environmental Conservation as an impaired water body. Phase 2 (north of Main Street) and Phase 3 (centered on Montauk Highway/County Road 80) have been identified as future sewer service areas within the Village. Phase 4 comprises all tax parcels within the Village that are not located within the Phase 1, 2 or 3 service areas and would be served by innovative advanced on-site nitrogen removal systems. The proposed Phase 1 sewer service area is approximately 31.29 acres in total area and comprises 89 residential properties and 67 commercial properties. The proposed Phase 1 sewer system will consist of a combination of gravity and low pressure sewers, two conventional pump stations and two force mains. The existing Gabreski Airport Sewage Treatment Plant (STP) has been identified as the preferred treatment location for sewage flow from the proposed service area. The Gabreski Airport STP would be modified to provide the additional capacity to support the Village's flow. It is anticipated that existing equipment at the facility would be replaced to increase capacity without requiring expansion outside of the footprint of the facility or any additional tankage.

The Village Board of Trustees has preliminarily classified the sewer system project as a Type I action under the State Environmental Quality Review Act ("SEQRA" – Article 8 of the New York Environmental Conservation Law).

You have been identified as a potential "involved agency" for purposes of SEQRA review, due to the fact that road opening permits may be required from the Town of Southampton Highway Department in association with the sewer system project.

Pursuant to 6 NYCRR Section 617.6(b)(3), the Village Board of Trustees has determined the following:

1. That there will be coordinated review of the application;
2. That the Village Board of Trustees is proposing to serve as lead agency.

PLEASE TAKE NOTICE, that the Village of Westhampton Beach Board of Trustees shall assume lead agency status unless you notify the Board of Trustees within thirty (30) days that you disagree with this designation:

Annexed hereto are copies of the following:

1. EAF Part I; and
2. Site map for sewer system project.

Dated: September 27, 2017

Village of Westhampton Beach
Board of Trustees

By: _____
Anthony C. Pasca, Village Attorney

AFFIDAVIT OF MAILING

STATE OF NEW YORK)
COUNTY OF SUFFOLK) ss.:

Gail Johnson, being duly sworn, deposes and says:

1. I am not a party to the action, I am over 18 years of age, and I reside in Riverhead, New York.

2. On October 2, 2017, I served, by regular first class mail, the annexed VILLAGE OF WESTHAMPTON BEACH NOTICE OF DETERMINATION OF LEAD AGENCY AND COORDINATED REVIEW UNDER SEQRA upon the following agency at the address listed below, by depositing the original of same, enclosed in a postpaid wrapper, in an official depository under the exclusive care and custody of the United States Postal Service within the State of New York:

Town of Southampton Highway Department
20 Jackson Avenue
Hampton Bays, NY 11946

Gail Johnson

Gail Johnson

Sworn to before me October 4, 2017

Notary Public

ELIZABETH SPIESS
Notary Public, State of New York
Qualified in Suffolk County
Commission Expires September 30, 2018

The Board of Trustees of the Village of Westhampton Beach held their Regular Meeting on Wednesday, November 15, 2017 at 5 p.m. in the Municipal Building, 165 Mill Road, Westhampton Beach

PRESENT: Mayor Maria Z. Moore
Deputy Mayor Ralph Urban
Trustee Rob Rubio
Trustee Brian Tymann
ABSENT: Trustee Stephen Frano

Clerk-Treasurer Elizabeth Lindtvit
Village Attorney – Stephen Angel

RESOLUTIONS

Determination of Environmental Significance under SEQRA for the Village of Westhampton Beach Sewer System Project

Motion made by Trustee Tymann:

WHEREAS, The Village of Westhampton Beach is considering the establishment of a sewerage system to be known as the Incorporated Village of Westhampton Beach Sewer System, including the adoption of a formal map and plan (hereinafter, the "sewer system project"); and

WHEREAS, the sewer system project is separated into four phases. Phase 1 focuses on the area surrounding Main Street and includes the Moniebogue Bay watershed – which has been identified by the New York State Department of Environmental Conservation as an impaired water body. Phase 2 (north of Main Street) and Phase 3 (centered on Montauk Highway/County Road 80) have been identified as future sewer service areas within the Village. Phase 4 comprises all tax parcels within the Village that are not located within the Phase 1, 2 or 3 service areas and would be served by existing private on-site wastewater disposal systems and innovative advanced on-site nitrogen removal systems; and

WHEREAS, pursuant to the regulations of the New York State Department of Environmental Conservation (6 NYCRR Part 617), specifically Sections 617.2(b) and 617.3(g), the "action," as defined under the State Environmental Quality Review Act "SEQRA" (Article 8 of the New York Environmental Conservation Law), is the Board of Trustees' establishment of the Incorporated Village of Westhampton Beach Sewer System and the implementation of Phase 1 of the sewer system project; and

WHEREAS, the Village has engaged H2M Architects + Engineers as consulting engineers for the sewer system project and Cameron Engineering & Associates, LLP, as environmental consultants for the SEQRA review of the sewer system project; and

WHEREAS, H2M Architects + Engineers has prepared a proposed map and plan for the establishment of the Village's complete sewerage system (the "Map and Plan"); and

WHEREAS, by resolution dated September 20, 2017, the Village Board of Trustees preliminarily classified the sewer system project as a Type 1 action; and

WHEREAS, pursuant to the regulations of the New York State Department of Environmental Conservation under SEQRA (6 NYCRR Part 617), specifically Section 617.6(b)(3), the Board of Trustees, by resolution dated September 20, 2017, determined (1) that there should be coordinated review of the application; and (2) that the Village Board of Trustees was proposing to serve as lead agency; and

WHEREAS, the Board of Trustees undertook coordinated review with the "involved agencies" pursuant to SEQRA; and

WHEREAS, by notice mailed on October 2, 2017, the Board of Trustees provided the Involved Agencies with a description of the sewer system project, copies of the FEAF Part 1 and a site map of the project, and notified the Involved Agencies that the Board of Trustees wished to assume lead agency status for purposes of

conducting a coordinated SEQRA review, and none of the involved agencies objected to the Board of Trustees acting as lead agency under SEQRA; and

WHEREAS, Cameron Engineering & Associates, LLP, in consultation with H2M Architects + Engineers, the Village Attorneys, and the Village planning consultant, prepared an Expanded Environmental Assessment of the sewer system project that analyzes the potential environmental impacts of the project in detail; and

WHEREAS, pursuant to 6 NYCRR § 617.6(b)(3), the Board of Trustees, by resolution dated November 2, 2017, (1) declared itself lead agency for purposes of conducting coordinated SEQRA review with the Involved Agencies; and (2) accepted and adopted the findings set forth in the FEAF Part 1 and the Expanded Environmental Assessment; and

WHEREAS, pursuant to 6 NYCRR § 617.6(b)(3)(ii) the Board of Trustees, as lead agency, must make its determination of significance for the action within 20 calendar days of its establishment as lead agency; and

WHEREAS, accordingly, the Board of Trustees, by resolution dated November 2, 2017, scheduled a special meeting on November 15, 2017, for the purpose of making its determination of significance for the action within the requisite 20-day period; and

WHEREAS, in order to give the public an opportunity to provide input on the FEAF Part 1, the Expanded Environmental Assessment, and the Map and Plan before making its determination of significance, and before the adoption of any resolutions concerning the establishment of a sewerage system, and the adoption of the Map and Plan, the Board of Trustees made these documents available for public review and inspection both in person at the Village offices and digitally on the Village's website, so that members of the public could provide their written comments on the FEAF Part 1, Expanded Environmental Assessment, and Map and Plan in advance of the aforesaid Board of Trustees' November 15, 2017 special meeting; and

WHEREAS, Cameron Engineering & Associates, LLP, in consultation with H2M Architects + Engineers, the Village Attorneys, and the Village planning consultant, prepared Parts 2 and 3 of the FEAF, which were submitted to the Board of Trustees on or about November 14, 2017; and

WHEREAS, the Board of Trustees considered all potential impacts arising from or in connection with this project, and also considered reasonably related long-term, short-term, direct, indirect, and cumulative impacts of the proposed action, including other simultaneous or subsequent actions which are: (1) included in any long-range plan of which the proposed action is a part; (2) likely to be undertaken as a result thereof; or (3) dependent thereon; and

WHEREAS, the Board of Trustees also considered the significance of a likely consequence (i.e., whether it is material, substantial, large, or important) in connection with: (1) its setting (e.g., urban or rural); (2) its probability of occurrence; (3) its duration; (4) its irreversibility; (5) its geographic scope; (6) its magnitude; and (7) the number of people affected; and

WHEREAS, the FEAF and Expanded Environmental Assessment concluded that the proposed action would not result in any significant adverse impacts within the proposed service area or surrounding area; and

WHEREAS, in particular, the Expanded Environmental Assessment noted that the proposed service area has been identified and analyzed by both Suffolk County and the Village of Westhampton Beach as a target area for sewering that would result in significant environmental and public health benefits, as well as eliminate an identified barrier to the Village implementing the vision, goals and objectives for its central business district; and

WHEREAS, as explained in detail in the Expanded Environmental Assessment, the Board of Trustees' environmental analysis focused on the existing conditions, potential adverse impacts, and mitigation of the construction and operation

associated with the implementation of the Phase 1 Service Area, because the preliminary design and identification of funding sources have been completed for this phase; and

WHEREAS, while Phases 2, 3 and 4 have been included in the Map and Plan to show the overall plan for future sewer service/nitrogen reduction in the Village, these future phases have yet to be designed and are therefore not appropriate for funding, and a plan to accommodate the sewage flow for Phases 2 and 3 of the project and the implementation of those phases – which is anticipated to require the expansion of the existing footprint of the Gabreski Airport STP – has not been determined by the Board of Trustees as yet; and

WHEREAS, due to these outstanding questions regarding the design and funding of Phases 2 and 3, there are no current plans to implement those phases and the Board of Trustees considers the information on these future phases of the project to be too speculative; and

WHEREAS, at such time as the Board of Trustees seeks to implement Phases 2 or 3 of the proposed project at some point in the future, it will conduct a SEQRA analysis once designs are completed and funding sources identified; and

WHEREAS, Phase 4 of the sewer system project consists of the installation of innovative advanced on-site nitrogen removal systems; and

WHEREAS, as explained in the Expanded Environmental Assessment, in the past year certain local municipalities have adopted, or are considering adopting code changes that would require the installation of such systems under certain circumstances, and if the Village decides to consider similar code changes, those aspects of Phase 4 would have no functional connection to Phase 1 (or future Phases 2 and 3), and would instead be implemented separately through regulations and grant programs adopted by Suffolk County, the Town of Southampton, and/or the Village of Westhampton Beach, regarding the installation of the type of innovative sanitary systems contemplated by Phase 4 of the project; and

WHEREAS, the Board considers the information on Phase 4 of the project to be too speculative and further notes that Phase 4 is likely to be functionally independent from the Phase 1 Service Area; and

WHEREAS, as set forth in the Expanded Environmental Assessment, while the future service areas contemplated by Phases 2, 3, and 4 of the proposed project were not addressed in the environmental assessment, all of these phases are expected to have only beneficial environmental impacts and therefore will clearly be no less protective of the environment, as the main purpose of the sewer system project is to reduce nitrogen loading into local water bodies in order to improve water quality within the Village; and

WHEREAS, the Board of Trustees desires to determine the significance of the proposed action pursuant to 6 NYCRR § 617.7, and set forth its determination and reasoning therefor, in this written resolution, pursuant to 6 NYCRR §617.7(b)(4),

NOW, therefore be it resolved that;

1. The Board of Trustees reviewed the FEAF, the Expanded Environmental Assessment, the Map and Plan, and any and all documents prepared and submitted with respect to this proposed action and its environmental review, and has thoroughly reviewed and considered each and every indicator of significance set forth in 6 NYCRR §617.7(c)(1).

2. After consideration of the potential environmental impacts, including those reviewed in accordance with 6 NYCRR §617.7(c), the Board of Trustees finds that the proposed action of establishing the Incorporated Village of Westhampton Beach Sewer System and implementing Phase 1 of the sewer system project, will have no moderate or significant negative environmental consequences or impacts and, therefore, an Environmental Impact Statement is not required for the proposed action.

3. Based on the foregoing, the Board of Trustees hereby issues a Negative Declaration of environmental significance in accordance with SEQRA for the above-referenced proposed action.

4. To the extent that the Board of Trustees' review of the proposed action could be considered a "segmented review" because its environmental review focused on the potential impacts of the implementation of Phase 1 of the sewer system project, the Board of Trustees finds such segmented review to be justified under these circumstances, in accordance with 6 NYCRR §617.3(g)(1). In particular, the Board finds that such segmented review is warranted, and is no less protective of the environment, primarily because: (1) information on future phases of the sewer system project is too speculative; (2) certain future phases of the sewer system project may not occur; and (3) certain future phases are functionally independent of Phase 1 of the sewer system project. The Board's justification for such segmented review is further set forth in the Expanded Environmental Assessment, the findings of which were accepted and adopted by the Board of Trustees by resolution dated November 2, 2017, and are incorporated herein as if set forth at length.

5. In accordance with 6 NYCRR § 617.12(a), concerning the preparation of documents, the Board of Trustees further resolves that: (1) this Resolution, including its negative declaration, has been prepared in accordance with Article 8 of the NY Environmental Conservation Law, (2) the Lead Agency is the Board of Trustees of the Village of Westhampton Beach, with an address of 165 Mill Road, Westhampton Beach, NY 11978; (3) Mayor Maria Moore, with an address of 165 Mill Road, Westhampton Beach, NY 11978 and a phone number of (631) 288-1654 can provide additional information with regard to the proposed action; (4) the proposed action is the establishment of the Incorporated Village of Westhampton Beach Sewer System and the implementation of Phase 1 of the sewer system project; (5) the proposed action is classified under SEQRA as a Type 1 action; and (6) the location of the proposed action is the entirety of the Village of Westhampton Beach, County of Suffolk, and State of New York; and

6. The Board of Trustees authorizes and directs the Mayor of the Incorporated Village of Westhampton Beach, Maria Moore, to complete and sign, as required, the determination of significance prepared by Cameron Engineering & Associates, LLP, and any related documents, confirming the foregoing Negative Declaration, which fully completed and signed FEAF, Expanded Environmental Assessment, and determination of significance shall be incorporated by reference in this Resolution.

7. In accordance with 6 NYCRR § 617.12(b), concerning the filing and distribution of documents, the Board of Trustees further resolves that: (1) this Resolution, including its negative declaration, will be filed with the Village Board of Trustees, all involved agencies, and any person who has requested a copy; and (2) the following documents concerning the proposed action will be maintained in files at Village Hall that are readily accessible to the public and will be made available on request: all SEQRA documents and notices, including without limitation, the FEAFs, the Expanded Environmental Assessment, and this negative declaration.

8. In accordance with NYCRR §617.12(c), concerning publication of notices, the Board of Trustees further resolves that notice of this Resolution's Type 1 negative declaration shall be published in the Environmental Notice Bulletin ("ENB") and the Village attorneys are directed to complete said publishing of the ENB.

Seconded by Deputy Mayor Urban and unanimously approved 3 Ayes, 0 Nays

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Adopt Map and Plan and Establish Boundaries of Sewer System

Motion made by Deputy Mayor Urban:

WHEREAS, The Village of Westhampton Beach is considering the establishment of a sewerage system to be known as the Incorporated Village of Westhampton Beach Sewer System, including the adoption of a formal map and plan (hereinafter, the "sewer system project"); and

WHEREAS, the sewer system project is separated into four phases. Phase 1 focuses on the area surrounding Main Street and includes the Moniebogue Bay watershed – which has been identified by the New York State Department of Environmental Conservation as an impaired water body. Phase 2 (north of Main Street) and Phase 3 (centered on Montauk Highway/County Road 80) have been identified as future sewer service areas within the Village. Phase 4 comprises all tax parcels within the Village that are not located within the Phase 1, 2 or 3 service areas and would be served by existing private on-site wastewater disposal systems and innovative advanced on-site nitrogen removal systems; and

WHEREAS, the Village has engaged H2M Architects + Engineers as consulting engineers for the sewer system project; and

WHEREAS, New York State Village Law Article 14 ("Sewers"), Section 14-1400, empowers the Board of Trustees to "establish, extend and maintain a sewerage system" within the Village in accordance with the provisions of Article 14; and

WHEREAS, Village Law §14-1400 further authorizes the Board of Trustees to cause a map and plan to be prepared for a complete sewerage system for the Village, with plans and specifications for sewage treatment and disposal works; and

WHEREAS, H2M Architects + Engineers has prepared a proposed map and plan for the establishment of the Village's complete sewerage system dated October 2017 (the "Map and Plan"); and

WHEREAS, pursuant to Village Law §14-1400, the Board of Trustees is required to submit the Map and Plan to the Commissioner of Health for approval, and while the Map and Plan must be comprehensive and cover all portions of the Village, the Board of Trustees is authorized to temporarily omit and/or defer any portion of the sewer system until such portion is found to be necessary, subject to the approval of such omission by the Commissioner of Health; and

WHEREAS, while Phases 2, 3 and 4 have been included in the Map and Plan to show the overall plan for future sewer service/nitrogen reduction in the Village, these future phases have yet to be designed and are therefore not appropriate for funding, and a plan to accommodate the sewage flow for Phases 2 and 3 of the project and the implementation of those phases – which is anticipated to require the expansion of the existing footprint of the Gabreski Airport STP – has not been determined by the Board of Trustees as yet; and

WHEREAS, due to these outstanding questions regarding the design and funding of Phases 2 and 3, there are no current plans to implement those phases and the Board of Trustees considers the information on these future phases of the project to be too speculative; and

WHEREAS, Phase 4 of the sewer system project consists of the installation of innovative advanced on-site nitrogen removal systems; and

WHEREAS, as explained in the Expanded Environmental Assessment, in the past year certain local municipalities have adopted, or are considering adopting code changes that would require the installation of such systems under certain circumstances, and if the Village decides to consider similar code changes, those aspects of Phase 4 would have no functional connection to Phase 1 (or future Phases 2 and 3), and would instead be implemented separately through regulations and grant programs adopted by Suffolk County, the Town of Southampton, and/or the Village of Westhampton Beach, regarding the installation of the type of innovative sanitary systems contemplated by Phase 4 of the project; and

WHEREAS, the Board considers the information on Phase 4 of the project to be too speculative and further notes that Phase 4 is likely to be functionally independent from the Phase 1 Service Area; and

WHEREAS, accordingly, while the Map and Plan prepared by H2M Architects + Engineers covers the entire Village, it focuses on the implementation of Phase 1 of the sewer system; and

WHEREAS, the Board of Trustees intends to certify its intention to temporarily omit and defer portions of the sewer system to the Commissioner of Health for approval, in accordance with Village Law §14-1400; and

WHEREAS, pursuant to Article 14 of the Village Law, the Board of Trustees may determine upon the construction of the whole or any part of the sewerage system at the joint expense of the village and of the property benefitted; and

WHEREAS, the Board of Trustees finds that, as set forth in the Map and Plan, the implementation of the Phase 1 Service Area will benefit all property within the Village because groundwater contamination and poor water quality within Moniebogue Bay and surrounding surface waters are a Village-wide problem that all properties are responsible to protect, and that all properties will begin to realize an improvement following the initial sewering of the Phase 1 Service Area; and

WHEREAS, however, because properties located inside of the Phase 1 Service Area will have the added benefit of connecting to the sanitary infrastructure, the Board of Trustees has decided to distribute the capital cost differently for properties located inside the Phase 1 Service Area relative to properties located outside the Phase 1 Service Area; and

WHEREAS, in accordance with Village Law §14-1410, and as set forth in the Map and Plan: (1) the Board of Trustees intends to construct and maintain the portion of the sewer system designated as the Phase 1 Service Area at the joint expense of the property located within the Phase 1 Service Area which will be directly benefitted thereby, as a local assessment on said property, and the Village at large; (2) the estimated maximum cost of construction for the Phase 1 Service Area is $16,750,000; and (3) the Board of Trustees intends to apportion the capital cost for the sewer system across all properties within the Village by requiring properties within the Phase 1 Service Area to pay 70% of the annual debt service and properties located outside of the Phase 1 Service Area to pay the remaining 30% of the annual debt service; and WHEREAS, the Board of Trustees intends to designate the Phase 1 Service Area as a "proposed area of local assessment," in accordance with Village Law §14-1416; and

WHEREAS, Article 14 of the Village Law contemplates the establishment of a Village "Board of Sewer Commissioners" to manage the operation of any Village sewer system, and the Board of Trustees finds that the Board of Sewer Commissioners should be comprised of the members of the Board of Trustees; and

NOW, therefore, be it resolved that;

1. The Board of Trustees finds that the establishment of a complete sewerage system for the Village, and the implementation of Phase 1 of the sewer system, will be in the best interests of the public, and will benefit all property owners both within the Phase 1 Service Area and the Village at large.

2. The Board of Trustees further finds that the establishment of a complete sewerage system for the Village is in the interest of public health and will improve the environment.

3. The Board of Trustees hereby establishes a complete sewerage system for the Village, to be known as the Incorporated Village of Westhampton Beach Sewer System.

4. The Board of Trustees accepts and adopts the Map and Plan prepared by H2M Architects + Engineers, dated October 2017.

5. The Board of Trustees shall cause the Map and Plan to be submitted to the State Commissioner of Health for approval, and to any other governmental agency having jurisdiction over the establishment of the sewerage system for the Village, and shall certify to the State Commissioner of Health any portions of the sewer system it desires to temporarily omit and/or defer.

6. The Board of Trustees determines that the estimated maximum cost of Phase 1 of the sewerage system is $16,750,000.00.

7. The Board of Trustees determines that the capital cost of Phase 1 of the sewerage system shall be at the joint expense of the Village at large (30%) and the properties located in the Phase 1 Service Area which will be benefitted thereby (70%).

8. The Board of Trustees hereby establishes a "Board of Sewer Commissioners" for the Incorporated Village of Westhampton Beach Sewer System to be composed of five members, one of whom shall be the Chairperson.

9. The Board of Trustees determines that the Mayor and members of the Board of Trustees shall constitute the Board of Sewer Commissioners for the Incorporated Village of Westhampton Beach Sewer System, and that the Mayor shall be the Chairperson thereof.

10. The Mayor, in her capacity as Mayor and as Chairperson of the Board of Sewer Commissioners for the Incorporated Village of Westhampton Beach Sewer System, is hereby authorized to submit the Map and Plan and related documents to any and all agencies and entities that offer monetary grants to municipalities for sewerage systems so as to reduce the maximum estimated cost of the Phase 1 Service, and to execute all documents necessary for the establishment of said system.

Seconded by Trustee Rubio and unanimously approved 3 Ayes, 0 Nays

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Respectfully Submitted,

Elizabeth Lindtvit
Village Clerk

Agency Use Only [IfApplicable]

Project :

Date :

Full Environmental Assessment Form
Part 3 - Evaluation of the Magnitude and Importance of Project Impacts
and
Determination of Significance

Part 3 provides the reasons in support of the determination of significance. The lead agency must complete Part 3 for every question in Part 2 where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.

Based on the analysis in Part 3, the lead agency must decide whether to require an environmental impact statement to further assess the proposed action or whether available information is sufficient for the lead agency to conclude that the proposed action will not have a significant adverse environmental impact. By completing the certification on the next page, the lead agency can complete its determination of significance.

Reasons Supporting This Determination:

To complete this section:

- Identify the impact based on the Part 2 responses and describe its magnitude. Magnitude considers factors such as severity, size or extent of an impact.
- Assess the importance of the impact. Importance relates to the geographic scope, duration, probability of the impact occurring, number of people affected by the impact and any additional environmental consequences if the impact were to occur.
- The assessment should take into consideration any design element or project changes.
- Repeat this process for each Part 2 question where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.
- Provide the reason(s) why the impact may, or will not, result in a significant adverse environmental impact
- For Conditional Negative Declarations identify the specific condition(s) imposed that will modify the proposed action so that no significant adverse environmental impacts will result.
- Attach additional sheets, as needed.

See Attached.

Determination of Significance - Type 1 and Unlisted Actions

SEQR Status: ☑ Type 1 ☐ Unlisted

Identify portions of EAF completed for this Project: ☑ Part 1 ☑ Part 2 ☑ Part 3

Upon review of the information recorded on this EAF, as noted, plus this additional support information
An Expanded Environmental Assessment has been prepared to provide additional project information.

and considering both the magnitude and importance of each identified potential impact, it is the conclusion of the Village of Westhampton Beach Board of Trustees as lead agency that:

☑ A. This project will result in no significant adverse impacts on the environment, and, therefore, an environmental impact statement need not be prepared. Accordingly, this negative declaration is issued.

☐ B. Although this project could have a significant adverse impact on the environment, that impact will be avoided or substantially mitigated because of the following conditions which will be required by the lead agency:

There will, therefore, be no significant adverse impacts from the project as conditioned, and, therefore, this conditioned negative declaration is issued. A conditioned negative declaration may be used only for UNLISTED actions (see 6 NYCRR 617.d).

☐ C. This Project may result in one or more significant adverse impacts on the environment, and an environmental impact statement must be prepared to further assess the impact(s) and possible mitigation and to explore alternatives to avoid or reduce those impacts. Accordingly, this positive declaration is issued.

Name of Action: Village of Westhampton Beach Sewer System

Name of Lead Agency: Village of Westhampton Beach Board of Trustees

Name of Responsible Officer in Lead Agency: Maria Moore

Title of Responsible Officer: Mayor

Signature of Responsible Officer in Lead Agency: Date: 11/20/2017

Signature of Preparer (if different from Responsible Officer) David Tepper Date: 11/14/2017

For Further Information:

Contact Person: Nicolas F. Bono, P.E.

Address: 538 Broad Hollow Road, 4th Floor East, Melville, NY 11747

Telephone Number: 631-756-8000 ext. 1428

E-mail: nbono@h2m.com

For Type 1 Actions and Conditioned Negative Declarations, a copy of this Notice is sent to:

Chief Executive Officer of the political subdivision in which the action will be principally located (e.g., Town / City / Village of)
Other involved agencies (if any)
Applicant (if any)
Environmental Notice Bulletin: http://www.dec.ny.gov/enb/enb.html

PRINT FULL FORM

Village of Westhampton Beach Sewer System
ENVIRONMENTAL ASSESSMENT FORM PART 3

The Village of Westhampton Beach Board of Trustees (Village) is Lead Agency for this Type 1 Action. The Village's consultants have prepared an Environmental Assessment Form (EAF) and Expanded Environmental Assessment supplement for the proposed action. In determining the significance of this proposed action, the Village has considered the technical review of the EAF, Expanded Environmental Assessment and preliminary Map and Plan for the Formation of the Village of Westhampton Beach Sewer System, as well as public feedback collected at meetings of the Village Board of Trustees.

BACKGROUND

The proposed project involves the establishment of the Incorporated Village of Westhampton Beach Sewer System. The proposed Map and Plan for the District is separated into four phases. Phase 1 focuses on the area surrounding Main Street and includes the Moniebogue Bay watershed – which has been identified by the New York State Department of Environmental Conservation (NYSDEC) as an impaired waterbody. Moniebogue Bay is also the only water body that is located fully within the Village's watershed. Phase 2 (north of Main Street) and Phase 3 (centered on Montauk Highway/CR 80) have been identified as future sewer service areas within the Village. Phase 4 comprises all tax parcels located within the Village that are not located within the Phase 1, 2 or 3 Service Areas and would be served by innovative advanced on-site nitrogen removal systems.

The existing Gabreski Airport Sewage Treatment Plant (STP) has been identified as the preferred treatment location for sewage flow from the proposed service area. The Gabreski Airport STP would be modified to provide the additional capacity to support the Village's flow for its Phase 1 Service Area. It is anticipated that existing equipment at the facility would be replaced to increase capacity without requiring expansion outside of the footprint of the facility or any additional tankage. It is anticipated that following construction of the proposed Phase 1 Sewer System, the new sewer service area would become part of the existing Suffolk County Sewer District No. 24 - Gabreski-Municipal.

ENVIRONMENTAL CONSIDERATIONS

No potentially moderate to large adverse impacts were reported in the Environmental Assessment Form (Part 2) and Expanded Environmental Assessment prepared for the Village by Cameron Engineering & Associates, LLP. Overall, the project will provide a range of positive environmental benefits, most notably the reduction of nitrogen loading to local waterbodies. The existing use of individual on-site septic systems, along with the area's shallow groundwater, are key contributors to poor water quality in local waterbodies – particularly Moniebogue Bay, which is the only local waterbody wholly located within the Village's watershed. Given these existing conditions, the New York State Department of Environmental Conservation (NYS DEC) classifies Moniebogue Bay as an impaired waterbody. Phase 1 of the proposed project, would remove nearly 5,000 pounds of nitrogen from Moniebogue Bay Watershed or approximately 22% of current loading.

A few potentially small impacts were identified in Part 2 of the EAF. The following section describes the nature and extent of these potential small environmental impacts:

1. Impact on Land

a. The proposed action may involve construction on land where depth to water table is less than 3 feet.

While the proposed Phase 1 Service Area includes areas where the depth to water table is less than 3 feet, these locations are limited to the rear of residential properties located along Library Avenue. The proposed project would involve minimal disturbances (likely only related to the abandonment of existing septic systems) to these shallow groundwater locations. Additionally, the abandonment of septic systems located within shallow groundwater areas would represent a significant environmental benefit to an area plagued by local water quality issues.

e. The proposed action may involve construction that continues for more than one year or in multiple phases.

A 24-month construction period is anticipated for the Phase 1 sewers, pump stations, force mains and treatment facility improvements. This schedule anticipates multiple contracts being performed simultaneously. It has been determined by the Village that the collection system construction activities will be suspended during the summer season, between Memorial Day to Labor Day, to avoid significant disruption to business and available parking during this high traffic time of year.

Although Phases 2, 3 and 4 of the proposed project have been included in the Map and Plan to show the overall plan for future sewer service/nitrogen reduction in the Village, these future phases have yet to be designed or appropriated for funding. For example, although the Gabreski Airport STP is capable of providing additional capacity to support the sewage flow for the Phase 1 Service Area, it is anticipated that expansion of the existing footprint of the Gabreski Airport STP would be required to accommodate the Phase 2 and 3 Service Areas of the proposed sewer system. A plan to accommodate the sewage flow for Phases 2 and 3, and the implementation of those phases has not been determined by the Board of Trustees as yet. Due to these outstanding questions regarding their design and funding, there are no current plans to implement Phases 2 and 3 of the project. As such, the information on these potential future phases is too speculative to properly analyze the environmental impacts of Phases 2 and 3 at this time.

2. Impact on Geological Features

No small or moderate to large impacts identified.

3. Impacts on Surface Waters

k. The proposed action may require the construction of new, or expansion of existing, wastewater treatment facilities.

The proposed action would require expansion of the existing Gabreski Airport Sewage Treatment Plant (STP). The STP would be upgraded to provide the additional capacity to support the Village's flow for its Phase 1 Service Area. It is anticipated that existing equipment at the facility would be replaced to increase capacity without requiring expansion outside of the footprint of the facility or any additional tankage. Expansion of the Gabreski STP (rather than constructing a new facility) greatly reduces potential construction and operation impacts. Overall, the expansion of the Gabreski STP (to accept the Village's flow) would result in positive environmental benefits to surface waters and reduce the amount of potential land disturbance that would be required to construct a new treatment plant.

4. Impact on Groundwater

d. The proposed action may include or require wastewater discharged to groundwater.

Currently, the existing septic systems within the proposed service area are producing septic discharge that contains a nitrogen concentration of approximately 37 mg/L. Estimated wastewater generation under existing conditions is approximately 60,000 gallons per day. This overall quantity of wastewater is not expected to change after project implementation as the proposed design flow is also 60,000 gallons per day. While the proposed action would continue to discharge wastewater to groundwater, the proposed project will result in a wastewater nitrogen concentration level of approximately 10 mg/L. This represents a significant improvement in the quality of wastewater discharged to groundwater.

5. Impact on Flooding

b. The proposed action may result in development within a 100 year floodplain.
c. The proposed action may result in development within a 500 year floodplain.

The proposed Phase 1 Service Area is located within the 100 and 500 year floodplains. However, given the planned system design capacity, the proposed Phase 1 collection system will not introduce any additional capacity to this area. Current wastewater flow is estimated at 60,000 gpd, which would also serve as the design flow for this portion of the project. The main purpose of the sewer system project is not to increase flow capacity in the Village but to re-direct sewage flow that is currently being disposed of via on-site septic systems to the proposed sewer system, thereby decreasing nitrogen loading in local waterbodies. As minimal additional flow capacity is planned at this time, overall development potential within the service area would remain similar to existing conditions.

6. Impacts on Air

No small or moderate to large impacts identified.

7. Impact on Plants and Animals

No small or moderate to large impacts identified.

8. Impact on Agricultural Resources

No small or moderate to large impacts identified.

9. Impact on Aesthetic Resources

No small or moderate to large impacts identified.

10. Impact on Historic and Archeological Resources

a. The proposed action may occur wholly or partially within, or substantially contiguous to, any buildings, archaeological site or district which is listed on or has been nominated by the NYS Board of Historic Preservation for inclusion on the State or National Register of Historic Places.

The proposed action is located adjacent to the US Post Office-Westhampton Beach (Listed on State and National Registers of Historic Places) and the St. Mark's Church (eligible for listing on State and National Registers of Historic Places). In a letter dated October 13, 2017, the New York State Office of Parks, Recreation, and Historic Preservation indicated that, "Based upon the project description and area of potential effect, it is OPHRP's opinion that the proposed work will have No Adverse Impact upon historic resources. If the proposed work will involve the two noted historic properties, consultation with our office should resume."
The proposed project will not involve any work at these historic properties.

No archeological resources were identified within or adjacent to the proposed project area.

11. Impact on Open Space and Recreation

No small or moderate to large impacts identified.

12. Impact on Critical Environmental Areas

No small or moderate to large impacts identified.

13. Impact on Transportation

No small or moderate to large impacts identified.

14. Impact on Energy

No small or moderate to large impacts identified.

15. Impact on Noise, Odor, and Light

No small or moderate to large impacts identified.

16. Impact on Human Health

a. The proposed action is located within 1500 feet of a school, hospital, licensed daycare center, group home, nursing home or retirement community.

The proposed project is located within 1,500 feet of Family Counseling Services (40 Main St. Westhampton Beach, NY). This facility is located outside of the proposed project area and project implementation will not result in any disturbances to the facility or its operations.

16. Consistency with Community Plans

g. The proposed action may induce secondary development impacts (e.g., residential or commercial development not included in the proposed action),

Based on the planned system design capacity, the proposed Phase 1 collection system will not introduce any additional capacity to this area. Current wastewater flow is estimated at 60,000 gpd, which would also serve as the design flow for this portion of the project. The main purpose of the sewer system project is not

to increase flow capacity in the Village but to re-direct sewage flow that is currently being disposed of via on-site septic systems to the proposed sewer system, thereby decreasing nitrogen loading in local waterbodies. As minimal additional flow capacity is planned at this time, overall development potential within the service area would remain similar to existing conditions. The Village is not contemplating any zoning changes in association with the sewer system project, either in terms of dimensional, use, density, or parking requirements. Any growth induced by this project is therefore consistent with the applicable zoning and the Village's adopted comprehensive plan, and would be viewed as a positive impact that has been planned for, and beneficial to the Village.

17. Consistency with Community Character

No small or moderate to large impacts identified.

CONCLUSIONS

Formation and construction of the Village of Westhampton Beach Sewer System would have no significant adverse environmental impacts within the proposed service area or surrounding area. The proposed wastewater treatment system would introduce numerous environmental benefits, including a significant reduction in nitrogen loading to Moniebogue Bay – one of the most polluted/environmentally-degraded waterbodies on Long Island.

TEAM INFORMATION

H2M architects + engineers (H2M) has been providing consulting engineering services to municipalities across Long Island for over 80 years. Our local experience, qualifications and professional expertise in wastewater planning and project development are important to assist the Village with the successful formation of the Village of Westhampton Beach Sewer System.

H2M understands the intricacies of planning for sanitary infrastructure in Suffolk County, and has the ability to carefully integrate affordability, environmental improvement, protection of public health and support of long-term economic stability into projects of this type - all while complying with the regulatory requirements of: Suffolk County Department of Health Services (SCDHS), United States Environmental Protection Agency (USEPA), New York State Department of Environmental Conservation (NYSDEC), New York State Environmental Facilities Corporation (NYSEFC), New York State Municipal Law, and the New York State Health Commissioner.

H2M is a privately owned, multi-disciplined professional consulting firm providing architectural and engineering services to private industry, municipalities and governmental agencies in the New York metropolitan area.

H2M has its headquarters located at 538 Broad Hollow Road, 4th Floor East in Melville, New York, as well as offices in New York City, White Plains, New City, Suffern and Albany, New York and in Parsippany and Howell, New Jersey. H2M is a NYS Design Professional Corporation, licensed by the NYS Department of Education to provide professional engineering services in New York. H2M also has a fully owned subsidiary, H2M Associates Inc., and H2M Architects & Engineers Inc., as affiliated companies that can provide engineering and architecture services in New Jersey, respectively.

Founded in 1933, H2M was initially oriented towards the planning and design of municipal infrastructure projects. The company's capabilities have since grown to include full professional services in architecture, engineering and environmental consulting.

H2M currently has staff resources of 290 employees, including wastewater, chemical, civil, electrical, environmental, mechanical and structural engineers, architects, planners, geologists, hydrogeologists, environmental scientists, surveyors, industrial hygienists, construction managers and related technical support personnel. All projects are carried out under the direction of one or more of the firm's officers and managed by senior staff professionals. As a result of the multi-disciplined nature of the firm, H2M is able to assign project teams composed of staff specialists in the appropriate discipline(s) to meet the specific needs of our clients and their projects.

Operating Philosophy

The operating philosophy at H2M is based on the following core values:

Respect: We respect each other's ideas and contributions and are committed to open, honest communication.

Team Description

Dedication: We are responsive to our clients' needs and go above and beyond to get the job done.

Integrity: We are honest and ethical in our business practices and build trust with our clients and staff.

Teamwork: We cooperate, collaborate and work together as part of a team.

Community: We are committed to the health of our local communities and our legacy.

Creativity: We believe in the importance of innovation and seek new, creative and sustainable project solutions.

Practicality: We are dedicated to providing efficient, cost-effective solutions to our clients' problems.

Opportunity: Our success begins with our people. We value organic growth, empowering our employees and fostering their development.

Experience

QUALIFICATIONS IN WASTEWATER ENGINEERING

H2M provides cost-effective and practical solutions to public and private sector clients for wastewater and other environmental challenges. The Clean Water Act, enacted in 1972, specifies regulatory and non-regulatory tools to sharply reduce direct pollutant discharges into waterways, finance municipal wastewater treatment plant facilities, and manage polluted runoff. Some of the critical issues the law addresses are the requirement for states to develop Total Maximum Daily Loads (TMDL) to restore polluted waters and the need to construct, upgrade, repair, or replace wastewater facilities and sewage collection and conveyance systems to meet the provisions of the law. H2M is experienced in developing compliance strategies that meet both existing rules and anticipated changes. Success in navigating these regulatory issues and other wastewater challenges requires a strong team of engineers with insight, wisdom and experience gained through exceptional completion of successful projects. Our wastewater division includes wastewater engineers, wastewater treatment plant operators, LEED APs and specialists in the field of collection, conveyance, and treatment systems. Based on client needs and project requirements, H2M offers the following services:

Services

- Wastewater Treatment
- Biological Nutrient Removal
- Wastewater Collection/Conveyance
- Wastewater Reuse
- Scavenger Waste Treatment
- Sewer System Evaluations
- Sewer Use Regulations
- Wastewater Treatment
- Wastewater Characterization
- Residuals Management
- Facility Planning
- Operation Consulting
- Operation and Maintenance Manuals
- Discharge Monitoring
- Odor Control
- Health and Safety Programs
- Energy Audits and Commissioning
- Emergency Planning
- Security System
- Emergency Power Systems
- SCADA
- GIS
- Permitting
- Grant and SRF Loan Applications
- Construction Administration/Inspection
- Asset Management

At H2M we strive to fully understand the requirements of our clients and follow a unique problem solving approach that creates efficient and cost effective solutions that result in capital and operating cost savings for our clients.

Sewer District Formation Planning

H2M has extensive experience preparing Map and Plan documents for the formation of new sewer systems in Suffolk County. Most recently, H2M completed sewer capacity analyses and Map and Plan reports for Suffolk County Department of Public Works (SCDPW) to identify sewer systems to service unsewered areas in Bellport, Sayville, Ronkonkoma Hub, Mastic/Shirley and Southampton. In addition to preparing these reports for SCDPW, H2M was also retained by the Incorporated Villages of Bellport, Mastic Beach and Southampton to prepare Map and Plans specifically tailored to provide sanitary infrastructure in unsewered areas of need within each Village. H2M's responsibilities during the preparation of each report included finalizing the service area boundaries, calculating sanitary wastewater flow projections, planning for preliminary wastewater collection, conveyance and treatment infrastructure, and determining project cost opinions, associated scheduling components, cost escalation and financing alternatives and public outreach/education. In addition to the Map and Plan preparation, H2M was also retained by each Village to prepare an Environmental Assessment Form (EAF) to initiate the State Environmental Quality Review Act (SEQRA) compliance process.

H2M has also prepared numerous Map and Plan reports to facilitate out-of-district connections to existing sanitary facilities. These reports include evaluations of existing infrastructure; identify necessary infrastructure improvements, consisting of sewer improvements, pump station upgrades and treatment facility expansion, to accommodate the additional sanitary flow from the connecting areas as well as determine cost opinions associated with the connections. Specifically, H2M has prepared Map and Plan reports to connect to existing facilities within the Village of Patchogue Sewer District, Town of Riverhead Sewer District, Town of Huntington Sewer District, Calverton Sewer District, Oyster Bay Sewer District and various connections to existing Suffolk County sewer districts.

Suffolk County Sewer Capacity Study

H2M was one member of a multi-faceted consultant team where the main objective was to provide the client (SCDPW) with a comprehensive Sanitary Wastewater Infrastructure Feasibility Study evaluating different; sewage collection systems, treatment technologies and possible locations for the plant, and capital costs for seven unsewered areas under the Suffolk County Sewer Capacity Study. Implementation of sanitary wastewater infrastructure to these communities was identified as critical to bringing numerous economic, environmental and social benefits to each area. Sewering each of these areas is anticipated to reduce nitrogen loadings to groundwater, volatile organic compounds (VOC's), and pharmaceuticals and personal care product (PPCP's) from continuing to degrade present environmental conditions.

- Bellport Area

The Bellport study area includes two geographically distinct areas; the downtown area of Bellport Village and properties surrounding the Long Island Railroad (LIRR) Bellport Station. The first portion, of the study area consists of 57 individual lots covering approximately 21 acres. The second portion of the study area consists of 74 individual lots covering approximately 35 acres. Thus the total Bellport study area is 56 acres.

To estimate the generation of sanitary flow, the analysis was divided in two. The first analysis evaluated the Bellport Village where the projected average daily flow is approximately 60,000 gallons per day (gpd).The second analysis, for the North Bellport part, the projected generation of sanitary flow was estimated to be 100,000 gallons per day (gpd).

For the collection and conveyance system, a combination of gravity sewers and low-pressure sewers is recommended for the study area. The collection systems will meet at a proposed pumping station which then will convey wastewater to the Village of Patchogue Advanced Wastewater Treatment Facility (AWTF). The decision of pumping wastewater to the Village of Patchogue (AWTF) was made after evaluating different vacant publicly owned parcels and failing to identify an appropriate location. The additional flow to the Village of Patchogue AWTF will require upgrades in the process, and these required upgrades were also evaluated in the study.

The total anticipated project cost was estimated to be approximately $38,204,000. This cost opinion includes the Construction, Engineering and Soft Costs. The report was finalized and accepted by Suffolk County in the second quarter of 2014.

- Sayville Area

The Sayville study area includes and approximately one-mile reach along Montauk Highway and Rail Road Avenue, and it is bounded by the Long Island Rail Road to the north, Hiddink Street to the east, Sunset Drive to the west. It Includes 167 individual tax lots summing up to 71 acres.

The area of study has no plans to redevelop, therefore wastewater flow projections were based upon 2010 Suffolk County Water Authority (SCWA) and estimated to be 130,000 gallons per day (gpd). In order to collect and convey this volume of wastewater, low-pressure system is proposed. This system will convey to a suggested pumping station that later will convey wastewater to the Village of Patchogue Advanced Wastewater Treatment Facility. The treatment facility will require to increase capacity. H2M proposed additional infrastructure that should be implemented at the plant.

The total anticipated project cost was estimated to be approximately $35,301,000. This cost opinion includes the Construction, Engineering and Soft Costs. The report was finalized and accepted by Suffolk County in the second quarter of 2014.

- Ronkonkoma Hub Area

The Ronkonkoma Hub study area is defined by

Union Avenue to the north, Village Plaza Drive to the east, the Long Island Rail Road to the south and County Route 29 to the west. It includes fifty four (54) individual tax lots covering approximately 58.

were the most appropriate option to convey the 500,000 gallons per day (gpd) that will be generated in the area. The identified the collection system will drain to a submerged pumping station and later to the wastewater treatment facility. The wastewater treatment technology selected for this area was the most cost effective option considering effluent limits and space requirements. A Modified Ludzack-Ettinger (MLE) process using; the STM-Aerotor for secondary treatment, and membrane-bioreactors to allow solids separation and filtration to sidestep final clarifiers.

The anticipated project costs were estimated to be approximately $6,895,000 for the collection and conveyance system, and $23,640,000 for the wastewater treatment facility. These costs include Construction, Engineering and Soft Costs.

The draft report was finalized in July 2012. This document was subsequently revised during the detailed Engineering Design phase of the project by SCDPW to replace the treatment facility with a pump station and force main connection to Suffolk County Sewer District No. 3 – Southwest where all sanitary wastewater would be treated at the Bergen Pont Wastewater Treatment Plant. This project is currently in the detailed engineering design phase of work, and is anticipated to move into construction within the next 12-18 months.

- Mastic/Shirley Area

The purpose of this project was to provide Suffolk County with a comprehensive Feasibility Study that identifies the environmental, economic and/or social factors associated with sewering the Mastic/Shirley area and a that could be used to move forward with the formation of the sewer district.

The final Mastic/Shirley study area boundary encompassed approximately 11,000 parcels across 3,300 acres. The average daily sanitary flow projection for this area was calculated to be 3.2 million gallons per day (MGD) based on maximum build-out of existing zoning and current Suffolk County Department of Health Services sanitary flow design criteria. The preliminary collection and conveyance system layout included 24 pump stations, 15 miles of force main and 111 miles of a combination of gravity and low pressure sewers. The treatment facility was based on using the Membrane Biological Reactor (MBR) process. The location of the treatment facility was identified to be on vacant lands at the southerly end of the Town of Brookhaven Calabro Airport. Provisions for odor control and compliance with FAA regulations for wildlife attractants and height restrictions were identified as key components to be considered during the detailed engineering design phase of the project should it move forward.

The total anticipated project cost opinion was estimated to be approximately $700,000,000. This cost opinion included construction, engineering, administration and inspection services. The report was finalized and accepted by Suffolk County in the second quarter of 2014.

This document was used by Suffolk County to procure federal funding assistance to move forward with this project. The County has since issued a Request for Proposal to retain the services of a design consultant to prepare detailed engineering design documents to construction sanitary collection, conveyance and treatment facilities to service the initial phases of the project identified in the Map and Plan. The County is expected to award the design project by end of 2015, which will require the consultant to complete the design services within 2 years of project start date.

- Southampton Area

The Southampton study area is bounded by Jaeger Lane to the north, Main Street and North Sea Road to the east, and Jobs Lane and Culver Street to the south, and Windmill Lane to the west. The 62 acre study area includes 151 individual lots located within the Village's business district.

The average daily flow that was projected for the community was estimated to be 145,052 gallons per day (gpd.). The recommended collection system based upon topography, relative depth to groundwater and because the study area is currently established, is a low-pressure collection system. In accordance with Suffolk County Department of Health and Services (SCDHS) requirements, it was determined that the wastewater treatment plant should be located on a 6.4 acre site that is owned by the Incorporated Village of Southampton Police. Since nitrogen loading is a major concern to the community because of its negative impact on water bodies, several technologies were evaluated to address this issue. A Membrane Biological Reactor (MBR) was selected to give solution to this problem not only because it allows an efficient removal, but also because it required less area which is an important consideration at this site.

The total anticipated project cost was estimated to be approximately $28,803,000. This cost opinion includes the Construction, Engineering and Soft Costs. The report was finalized and accepted by Suffolk County in the third quarter of 2014.

Village of Bellport

The Incorporated Village of Bellport (Village) determined that they would need a sanitary sewer system specifically tailored to improve public health and environmental quality in residential areas prone to tidal flooding and shallow groundwater, in addition to realizing their vision for a revitalized "Main Street" along South Country Road. The Village Board retained the services of H2M to prepare a Map and Plan for a sewer system. H2M's responsibilities included finalizing the service area boundary, calculating sanitary wastewater flow projections, planning for preliminary wastewater collection, conveyance and treatment infrastructure, and determining project cost opinions, associated scheduling components, cost escalation and financing alternatives. In addition to the Map and Plan, H2M also prepared an Environmental Assessment Form (EAF) to initiate the State Environmental Quality Review Act (SEQRA) compliance process.

The service area boundary encompasses approximately 235 parcels across 367 acres. The average daily sanitary flow projection

for this area was calculated to be 0.08 million gallons per day (MGD) based on maximum build-out of existing zoning and current Suffolk County Department of Health Services sanitary flow design criteria. The recommended preliminary collection and conveyance system was based on making an out-of-district connection to the Village of Patchogue Sewer District which currently has capacity available at the treatment plant. The proposed infrastructure required to connect the two municipalities included 1 pump station, 2.8 miles of force main, 3.0 miles of low pressure sewers and the replacement of 800 linear feet of existing gravity sewer within the Village of Patchogue. The Village must complete negotiations with the Village of Patchogue in parallel to moving forward with the final formation of the sewer system and subsequent detailed engineering design.

The total anticipated project cost opinion is approximately $17,300,000. This cost opinion included construction, engineering, administration and inspection services. The report was finalized in the second quarter of 2014.

Village of Mastic Beach

The Incorporated Village of Mastic Beach (Village) determined that they would need a sanitary sewer system to realize their vision for a revitalized "Main Street" along Neighborhood Road. In order to progress this project, the Village Board retained the services of H2M to prepare a [illegible] for the formation of a sewer system. H2M's responsibilities included finalizing the service area boundary, calculating sanitary wastewater flow projections, planning for preliminary wastewater collection, conveyance and treatment infrastructure, and determining project cost opinions, associated scheduling components, cost escalation and financing alternatives. In addition to the [illegible], H2M also prepared an Environmental Assessment Form (EAF) to initiate the [illegible] compliance process. The purpose of this project was to provide the Village of Mastic Beach with a Map and Plan document and associated SEQRA documentation that could be used to move forward with the formation of a sewer district.

The service area boundary encompasses approximately 367 parcels across 125 acres. The average daily sanitary flow projection for this area was calculated to be 0.15 million gallons per day (MGD) based on maximum build-out of existing zoning and current Suffolk County Department of Health Services sanitary flow design criteria. The preliminary collection and conveyance system layout included 1 pump station, 0.5 miles of force main, 1.4 miles of gravity sewers and 2.4 miles of low pressure sewers. The treatment facility was based on using the Membrane Biological Reactor (MBR) process. The location of the treatment facility was identified to be on vacant lands at the southerly end of the former Shirley Links Golf Course property, which was transferred to the Town of Brookhaven (Town). The Village must complete negotiations with the Town to use this site for their treatment facility before they can move forward with the final formation of the sewer system.

The total anticipated project cost opinion is approximately $24,600,000. This cost

opinion included construction, engineering, administration and inspection services. The report was finalized in the second quarter of 2014.

Village of Southampton

The Incorporated Village of Southampton (Village) determined that they would need a sanitary sewer system to reduce the total nutrient load into Lake Agawam (Lake) thereby improving the quality of the Lake and to support "smart" growth of the Village Business (VB) District, which was re-zoned in 2012. The Village Board retained the services of H2M to prepare a Map and Plan for a sewer system. H2M's responsibilities included finalizing the service area boundary, calculating sanitary wastewater flow projections, planning for preliminary wastewater collection, conveyance and treatment infrastructure, and determining project cost opinions, associated scheduling components, cost escalation and financing alternatives. In additional to the Map and Plan, H2M was also retained to prepare an Environmental Assessment Form (EAF) to initiate the State Environmental Quality Review

Sanitary Infrastructure Design

Wyandanch Rising

The is committed to the development of a viable downtown and business district in the hamlet of Wyandanch. A significant obstacle to redevelopment is the lack of a central sewer collection system for the disposal of wastewater. The Wyandanch Commercial and Industrial Corridor planning area is located in Groundwater Management Zones I and VII. Suffolk County Sanitary Code Article 6 limits the discharge of wastewater through conventional on-site sanitary systems in these zones to 600 gallons per day per acre. On-site sanitary systems contribute to the degradation of groundwater quality of Long Island's sole source groundwater supply. It is a direct benefit of the community residents, Town, and county that this study be conducted. The goal is to determine if a cost effective, environmentally accepted alternative exists to aid its revitalization and to improve environmental conditions.

H2M conducted a study for the Town to evaluate if a cost effective, environmentally accepted alternative exists to sewering the Wyandanch Commercial/Industrial corridor to aid its revitalization and improve environmental conditions. Regulatory and permit requirements associated with installation of a wastewater collection and conveyance systems were identified. Potential financing sources were also discussed. Based on SCDHS guidelines, H2M determined that the study area has an average daily design wastewater flow of 380,000 gpd. Three wastewater collection and conveyance systems alternatives to SCSD No. 3-Southwest were evaluated. The construction cost opinion including the current SCSD connection charge for the recommended alternative was $24.72 million. To eliminate the current practice of transporting leachate from the Town Solid Waste Management Facilities, sewer connection was also evaluated. The average daily design wastewater flow based on leachate generation data over a 14-year period was determined to be

36,000 gpd. The construction cost opinion for the leachate sewer connection including the current SCDPW connection charge was $3.48 million. The cost opinion for the leachate conveyance system considers that the gravity sewer associated with the Wyandanch corridor would be installed and that a portion of the corridor sewer system costs downstream of the leachate connection would be allocated on a design flow basis. Preparation of the DEIS was done concurrently with the Feasibility Study.

To assist in the evaluation, the Suffolk County GIS base map maintained by Suffolk County Real Property Tax Service was obtained. From the base map, different layers were overlaid to present different conditions. The planning area boundary was defined. A groundwater contour layer was used to aid in preparing the cost opinion for the conveyance system. The groundwater contours were used to identify locations where dewatering is considered to be needed. A layer with town, county, and state owned parcels was used to aid in identifying potential locations for the wastewater pump station. A separate layer was created to indicate the preliminary layout of the sewers, manholes and force mains for each of the wastewater conveyance system alternatives considered in this report. Other layers added to the report GIS included bus routes, bicycle routes, Water Authority wells, county and town parks, NYSDEC mapped wetlands, significant buildings and public facilities, preliminary sewer and force main layout, potential strategic sites within the boundaries of the Wyandanch Downtown Revitalization Plan.

Federal and state programs that may be available to fund or finance a portion of the work were described in the report. Implementation steps for a contract connection and those for a district extension were also presented in the report.

Smithtown and Kings Park Business Districts

H2M was commissioned by the (SCDPW) to prepare an Engineering Design Report and design for the sewerage systems of the . A feasibility study performed by a consultant to SCDPW was used to develop existing and future flow rates for each business district as well as guidance for layout of the proposed sewers, force mains and pump stations to convey the wastewater to Suffolk County Sewer District No. 6 (SCSD No. 6). Due to the distance between the areas, H2M has prepared two separate reports: one for the Smithtown Business District and one for Kings Park Business District.

Currently, all wastewater within both business districts is treated by onsite sanitary systems consisting of cesspools, septic tanks and leaching fields. The capacity of these onsite sanitary systems is limited by nitrogen loading and parcel acreage, thereby inhibiting the potential for future development of the area. Providing sewers to both Business Districts can benefit existing businesses and make future construction of apartments, medical offices/ practices and restaurants possible.

The Kings Park Business District consists of approximately 140 business establishments across a 65-acre area located along New York State Route 25A within the Town of Smithtown. The proposed sewer system will be serviced by

8,200 LF of gravity sewers and a conventional pump station with a 1.4 mile long force main. In order to service the entire business district the gravity sewer will require jacking underneath the LIRR. The projected average daily design wastewater flow from the Kings Park Business District is approximately 329,000 gallons per day. The proposed pump station and force main will convey wastewater collected within the service area to SCSD No. 6.

The Smithtown Business District consists of approximately 350 business establishments across a 280-acre area located along New York State Route 25 (NYS Rt. 25) within the Town of Smithtown. A portion of this service area is within the Village of the Branch. Based upon topography of the area, the proposed sewer system will be serviced by 22,500 LF of low pressure sewer and 1,600 LF of gravity sewer, and a conventional pump station with a 3.2 mile long force main. The projected average daily design wastewater flow from the Smithtown Business District is approximately 538,000 gallons per day. The proposed pump station will be located along the westerly boundary of the business district to minimize the overall length of force main required to convey wastewater from the service area to SCSD No. 6.

The total anticipated project cost opinions are $24.9 million for the town of Smithtown $17.4 million for the town of Kings Park. These costs include construction, engineering, administration and inspection services.

Upon approval of the engineering reports, H2M will proceed with the design phase for both sewerage systems and begin the subsequent planning and design for the filter and effluent pump station upgrades to the SCSD No. 6 Sewage Treatment Plant as commissioned by SCDPW.

Village of Patchogue - 1998

The initiated a project to extend the boundaries of the . The Village retained H2M to provide engineering services associated with the planning, design and construction of the sewers to serve the area.

The extension included properties along both sides of West Avenue between Division Street and Laurel Street. H2M prepared the planning report that included the calculation for the average daily design flow and a basis of design for the system. The design flow for the extension was 62,000 gallons per day. The report and plans were submitted to and approved by the Suffolk County Department of Health Services.

Due to the relatively shallow depth to groundwater, a low-pressure sewer system was designed to serve the area. Wastewater from the low pressure sewer was conveyed to a new wastewater pump station and force main to convey the flow from the district extension to the existing wastewater collection system. The project also included the design of conventional gravity sewers in Railroad Street to parallel the force main installation.

The project consisted of the installation of 1,500 feet of force main, 1,280 feet of gravity sewer and 2,400 feet of low-pressure sewer. To minimize the profile of the station, submersible wastewater cutter pumps were utilized within the wet well.

The pump station wet well was configured to allow for future expansion.

H2M received approvals from the health department for the installation of the backflow prevention device at the pump station and from the Long Island Railroad for the installation of a jacked crossing for the low pressure sewer under the railroad tracks near the pump station. H2M also provided construction observation and construction administration services to the Village during the construction phase.

The total anticipated project cost opinion is approximately $635,000. This cost opinion includes $555,000 for construction and $80,000 for engineering services.

Village of Patchogue - 2007

H2M prepared Map & Plan – Engineering Report for an out-of-district sewer connection to the [illegible] collection system.

The proposed Bay Village Condominiums development is a 63-unit condominium project located on South Ocean Avenue approximately 100-feet north of the Great South Bay in the Village of Patchogue. The report is based upon a design for low-pressure sewers, as a gravity system is not possible and a single sanitary pump station with force main is too costly. The design flow is 19,500 gallons per day (gpd) from the development and H2M projected an additional future flow of 21,900 gpd from properties along the route of the connection pipe; for which connection point facilities were provided by the developer during construction. The low-pressure connection main is a 3-inch diameter HDPE pipe increasing to a 4-inch diameter HDPE pipe, 3,350 feet long and at an estimated cost of $565,000. Total project budget for the developer is $1,232,500 which includes design and construction administration fees.

Village of Patchogue - 2009

The [illegible] is an existing [illegible] marina located at the mouth of the Patchogue River on the Great South Bay in the Village of Patchogue, New York. The Town planned to expand the ferry terminal facilities. To provide wastewater disposal, an out-of-district sewer connection from the new terminal building to the Village Sewer District was required. A new duplex pump station was required to convey the marina's wastewater through this connection,

The report and design documents are based upon a low-pressure sewer system. A gravity system is not feasible due to the shallow depth to groundwater and coastal location. A single sanitary pump station with force main was determined to be not cost effective. The marina design flow is 11,000 gallons per day (gpd) with an additional future flow of 20,000 gpd from the properties along the route of the low-pressure sewer. Laterals will be installed to the property line for each property during construction. The low-pressure main consists of 2,600 feet of 2-inch and 3-inch diameter HDPE pipe. H2M prepared a topographic survey of the sewer route. H2M also provided administration and observation services during construction.

- Prepared Map and Plan – Engineering Report for an out-of-district sewer connection

to the Village of Patchogue's Sewer District collection system.

- Prepared Design Documents – Developed plans and specifications for the out-of-district sewer connection and a commercial, duplex pump station.
- Construction Administration and Observation – Coordinated bidding process and performed construction administration and inspection services during the installation of the sewer connection.

Total project budget for the developer is $1,261,000 which includes design and construction administration fees.

Village of Patchogue - 2013

H2M prepared bid documents for the replacement of the existing East Main Street pump station in the Inc. Village of Patchogue for the Town of Brookhaven. The East Main Street sanitary pump station has reached its useful life and also needed to increase capacity due to additions to the service area. The East Main Street Wastewater Pump Station provides conveyance for sanitary wastewater collected by in-district gravity sewers and out-of-district low pressure sewers located east of South Ocean Avenue

The project included the demolition of the existing pump station, installation of a new pump station, gravity sewer improvements, and installation of a low pressure sewer force main extension (900 feet of 6-inch diameter HDPE pipe, 150 feet of 3-inch diameter HDPE pipe and 150 feet of 2-inch diameter HDPE pipe). The average daily design flow (ADF) from the Village of Patchogue is 81,853 gallons per day, and the future ADF expected from the Town of Brookhaven Sewer Improvement Area No. 1 is 179,492 gallons per day. Therefore, the total ADF for the pump station is 261,345 gallons per day

In order to relocate the pump station from the shoulder of the road and to provide additional capacity, H2M worked with the Village and the Town to obtain a 17 foot x 20 foot area in the northwest corner of the adjacent United Stated Post Office site. To minimize visual impacts, a below grade precast wet well with two submersible pumps was designed. The existing handicap ramp to the Post Office was rebuilt. The standby generator and electric service were located remotely on a portion of a Village parking lot. The bid documents included the identification of work zone safety measures that the contractor needed to follow to ensure construction activities were isolated from the public.

The pump station's control panel, motor control center (MCC), electrical service and standby emergency power generator are located in a municipal parking lot approximately 200 feet south of the easement area. A public walkway provides access between the parking lot and pump station easement.

Both the pump station and MCC, electrical service and emergency standby power generator areas are enclosed by fencing. The pump station area is surrounded by a 4 foot tall black coated decorative steel fence. The control panel, MCC, electrical service and emergency standby power generator area is surrounded by an 8 foot tall green powder coated chain link fence with matching green privacy slats. Swing gates are

provided at both locations to facilitate access to each area for operation and maintenance purposes.

The total anticipated project cost opinion is approximately $1,235,000. This cost opinion included construction, engineering, administration and inspection services.

Village of Patchogue - 2015

H2M prepared a map and plan and bid documents for installation of low pressure sewer main, installation of the low pressure grinder pump station and sewer connection and drainage improvements on River Avenue, Sunset Lane, Price Street and Mapes Avenue for the

This design for the locating and connection of the forty-six (46) Low Pressure Grinder pumps for this project included a house to house field reconnaissance program that was develop with Village personnel to be implemented as the template for the Coastal Resiliency Nitrogen Mitigation Plan for the Patchogue River that utilized Trimble hand held GPS location device along with Newforma Capture App to document as existing field conditions of each home.

The design also included the installation of 680 feet of twin 3-inch diameter pipes, 1535 feet single 3-inch diameter pipe, 570 feet of single 2-inch diameter pipe and 53 connection spurs for potential use by properties along the route of this sewer.

During construction, H2M has been retained to provide construction observation, construction administration, review shop drawings, and review contractor payment requests.

Funding for the project was received through a number of sources including two (2) $500,000 Grants provide by the Dormitory Authority of the State of New York, and $577,500 from Infrastructure Program Grant provided by Suffolk County; $300,000 Village of Patchogue Sewer Fund. The remaining $761,500 will be bonded by the Village

Heckscher State Park Low Pressure Sewer System Connection to SCSD No. 3

The (NYSPRHP) retained H2M to prepare an Engineering Report to evaluate a sewer connection to Suffolk County Sewer District (SCSD) No. 3 for the facilities at Heckscher State Park.

Heckscher State Park has long served the region as an important recreation asset. The 1,600 acres of the park offer beach access as well as picnic tables, playgrounds, and playing fields, trails for hiking and biking, fishing, cross-country skiing, various recreation programs, a boat launch, and food concessions during summer daytime hours. The south and east side of the Park front the Great South Bay.

When preparation of the report was authorized, NYSPRHP was in the process of renovating the Field No. 1 comfort station. Associated with the renovation was the proposed replacement of the on-site sanitary system. The high groundwater elevation required a large area for effluent disposal. NYSPRHP wanted an evaluation of the

installation of a sewer connection for wastewater disposal instead of constructing a new on-site sanitary system. In addition to this comfort station, NYSDPRHP wanted an evaluation of a sewer connection that would serve all eighteen (18) Park facilities serviced by an individual on-site sanitary system under the SPDES Permit.

The Park is currently within the boundaries of SCSD No. 3. The nearest existing sewers where a connection could be made are located outside the northwesterly corner of the Park. Utilizing Suffolk County Department of Health Services standards, the design wastewater flow was calculated to be 73,915 gallons per day.

Flat topography, shallow depth to groundwater, and distance between wastewater systems in the Park are conditions that are not favorable to a gravity sewer system. Consequently, a low pressure sewer system was recommended for the sewer connection of each building to SCSD No. 3. To minimize restoration, the force main piping would be installed using directional drilling. Excluding the Park Office, Police Station and Park Superintendent Residence and the other not for public use buildings, the other park facilities are open seasonally.

Sewering the Park facilities will involve installing approximately 22,700 linear feet of low pressure sewer main and 6,600 linear feet of low pressure sewer laterals. Based on the design flow and pipe layout, H2M prepared a preliminary plan. The sizes of the low pressure sewer mains range from 1.5-inch diameter to 4-inch diameter piping.

Items addressed in the report included:

- An average daily design wastewater flow for the facilities in the Park.
- A preliminary layout and basis for design for the low pressure sewer system that would serve all existing buildings in the Park currently served by an on-site sanitary system.
- Sewer Connection application requirements that NYSPRHP would need to follow in order to make the proposed sewer connection for the Park.
- A construction cost opinion for the proposed wastewater conveyance system, and
- A cost opinion for the abandonment of existing on-site sanitary systems.

Town of Huntington

Helen Keller Services is located on New York State Route 110 in the Town of Huntington. They requested to Huntington Sewer District (HSD) to abandon their on-site wastewater disposal system and connect to the HSD. Four other parcels located nearby are also in the HSD boundaries but were not connected. To provide connection to the HSD system, a new sewer main was required.

The report and design documents are based upon a low-pressure sewer system. A gravity system is not feasible due to the distance of the property to the existing sewer and the shallow depth of the existing sewer. The design flow for the five properties is 19,000 gallons per day (gpd). Laterals will be installed to the property line for each property during construction. The

low-pressure main consists of 640 feet of 2-inch diameter HDPE pipe, which was installed by directional drilling. H2M prepared a topographic survey of the sewer route. H2M also provided administration and observation services during construction. A strict deadline for construction completion was met to ensure eligibility for grant funds.

- Prepared Design Documents – Developed plans and specifications for the out-of-district sewer connection and a commercial duplex pump station.
- Construction Administration and Observation – Coordinated bidding process and performed construction administration and inspection services during the installation of the sewer connection.

The total anticipated project cost opinion is approximately $200,000. This cost opinion included construction, engineering, administration and inspection services.

Gabreski Airport Sewer System

H2M completed the design and construction phase engineering services of a 100,000-gallon per day (gpd) SBR plant with groundwater discharge for the Francis S. Gabreski Airport in Westhampton Beach. This facility serves the redevelopment of the airport and the New York Air National Guard base. The project was jointly undertaken by Suffolk County Department of Public Works (Division of Sanitation), and the New York Air National Guard. H2M was the planning, design, and construction engineering consultant selected by Suffolk County to implement this project and to design the new SBR sewage treatment plant, pump station and NYANG / airport sewage collection system. SCDPW staffed the project with county resident engineers that oversaw the entire construction. This $4 million project was completed under budget. H2M prepared the design documents for the sewage treatment plant, sanitary pump station, 6,900 foot force main and a 7,500 linear foot sanitary collection system according to a project schedule required by the federal government to remain eligible for fiscal year funding. The sewer design was complex due to the extensive degree of underground utilities that had to be avoided in order to service the NYANG buildings. H2M reviewed shop drawings, attended project meetings, prepared meeting minutes, provided a construction inspector for the sewer system installation and prepared an Operation and Maintenance Manual for the treatment facility.

Thomas Novelli Contracting Corp.
41 Sarah Drive
Farmingdale, NY 11735
Phone: (631) 390-8882

SUBMITTAL TRANSMITTAL FORM – CONTRACT G

INC. VILLAGE OF WESTHAMPTON BEACH
PHASE 1 SEWER COLLECTION AND CONVEYANCE SYSTEM
CONTRACT NO. WHBV 2002

Contractor Submittal No.:	012973.01-4
Name of Item Submitted:	Schedule of Values
General Location Point of Use:	N/A
Date of Submission:	5-5-21
Number of Times Submitted (incl. this one):	4
Date of Previous Submission:	4-22-21
Name of Subcontractor:	n/a
Supplier Name and Number:	N/A
Manufacturer Name and Number:	N/A
This Item is a Substitution (Y/N):	N/A
Specification Section No.:	012973
Drawing Sheet No.:	N/A
Remarks/Deviations:	

CONTRACTOR'S CERTIFICATION STATEMENT:
By this submittal, I hereby represent that I have determined and verified all field measurements, field construction criteria, materials, dimensions, catalog numbers, and similar data and I have reviewed and approved this submittal and checked and coordinated each item with the other applicable approved Shop Drawings and all Contract requirements.

Contractor's Approval Stamp	H2M Shop Drawing Review Stamp
THE DOCUMENT HAS BEEN REVIEWED, COORDINATED AND CHECKED IN DETAIL FOR ACCURACY OF CONTENT AND FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS AND IS HEREBY APPROVED. THE INFORMATION CONTAINED HEREIN HAS BEEN COORDINATED WITH ALL INVOLVED CONTRACTORS. JOE MARX OF THOMAS NOVELLI CONTRACTING CORP. *Contractor's Approval Stamp with Signature and Date*	

SHOP DRAWING REVIEW SHEET

Client Name:	**Village of Westhampton Beach**		
Project Title:	**Phase 1 Sewer Collection and Conveyance System**		
Submittal No.:	**G-012973.01-4**	**H2M Project No.:**	**WHBV2002**
Submittal Name:	**Schedule of Values**		

H2M Consulting Engineer Shop Drawing Stamp	**S.C.D.P.W. Shop Drawing Stamp**

H2M Comments:

SCDPW Comments:

APPLICATION FOR PAYMENT

OWNER:
Village of Westhampton
165 Mill Road
Westhampton Beach, NY 11735

PROJECT:
Phase 1 Sewer system Construction Services

APPLICATION NUMBER:

PERIOD TO:

DISTRIBUTION:
CONTRACTOR ◄
ARCHITECT ◄
File ◄

PROJECT NUMBER: WHBV 20-02

CONTRACTOR:
THOMAS NOVELLI CONTRACTING
41 SARAH DRIVE
FARMINGDALE, NY 11735

ARCHITECT:
H2M Architects & Engineers
538 Broad Hollow Road
Melville, NY 11747

APPLICATION FOR PAYMENT - SUMMARY

Refer to continuation sheets attached for detailed breakdown.

1. ORIGINAL CONTRACT AMOUNT:		12,344,000.00
2. NET CHANGES TO CONTRACT:		-
3. TOTAL CONTRACT AMOUNT:		12,344,000.00
4. TOTAL COMPLETED AND STORED TO DATE:		-
5. RETAINAGE:		
a. 5.0 % of Completed Work	0.00	
b. 5.0 % of Stored Material	0.00	
Total Retainage:		0.00
6. TOTAL COMPLETED LESS RETAINAGE:		-
7. LESS PREVIOUS APPLICATIONS:		-
8. CURRENT PAYMENT DUE:		-
9. BALANCE TO FINISH INCLUDING RETAINAGE:		12,344,000.00

EXTRA WORK SUMMARY	ADDITIONS	DELETIONS
Changes From Prev Applications:	-	-
Changes From This Application:	-	-
Total:	-	-
Net Changes:	-	

CONTRACTOR'S CERTIFICATION:

The undersigned Contractor to the best of his knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid to him for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR: _____ **DATE:** _____
Thomas Novelli Contracting

State: _____ Country: _____

Subscribed & sworn to before me

this ____ day of _____

Notary Public Name: _____

Commission Expiration Date: _____

ARCHITECT'S CERTIFICATION:

The Architect hereby confirms that based on site observations & to the best of his/her knowledge, this payment application accurately reflects the progression of work and that this work meets contract requirements sufficient enough to justify payment in the amount certified below:

AMOUNT CERTIFIED: _____

Provide explanation below or attached if amount certified does not match this application amount. Initial all figures & markups to agree with certified amount.

ARCHITECT: _____ **DATE:** _____

The Amount Certified is payable to the contractor listed above.

PAYMENT APPLICATION DETAIL

APPLICATION NO:
FOR PERIOD ENDING:

FROM: Thomas Novelli Contracting Corp.
WORK:

PROJECT: Sewer System Construction Services
NO: WHBV 20-02

WORK CATEGORY			COMPLETED WORK					BALANCE TO FINISH	RETAINAGE
Item No.	Description	Scheduled Value	Prev. App. Value	This App.		Total			Value (5.0%)
				Work In Place	Stored Mat.	Value	%		
A	B	C	D=Prev. (D+E)	E	F	G=D+E+F	L=G/C	H=C-G	I
	MOBILIZATION								
	Bonds	225,000.00	-	-	-	-	0%	225,000.00	-
	Insurance	300,000.00	-	-	-	-	0%	300,000.00	-
	Traffic Maintenance	450,000.00	-	-	-	-	0%	450,000.00	-
	Office Trailer	70,000.00	-	-	-	-	0%	70,000.00	-
	Photos	30,000.00	-	-	-	-	0%	30,000.00	-
	Survey/ Layout	50,000.00	-	-	-	-	0%	50,000.00	-
	Site Superintendant	30,000.00	-	-	-	-	0%	30,000.00	-
	Meetings	20,000.00	-	-	-	-	0%	20,000.00	-
	Permits	15,000.00	-	-	-	-	0%	15,000.00	-
	Housekeeping	15,000.00	-	-	-	-	0%	15,000.00	-
	Record Drawings/ As- Builts	250,000.00	-	-	-	-	0%	250,000.00	-
	Allowance- Field Office	15,000.00	-	-	-	-	0%	15,000.00	-
	Allowance- New Water Service SCWA Charges	25,000.00	-	-	-	-	0%	25,000.00	-
	Allowance- MTA/ LIRR Charges	75,000.00	-	-	-	-	0%	75,000.00	-
	Construction Schedule	2,500.00	-	-	-	-	0%	2,500.00	-
	Independent Testing Lab	50,000.00	-	-	-	-	0%	50,000.00	-
	Erosion and Sediment Control	5,000.00	-	-	-	-	0%	5,000.00	-
	Manufacturer's Field Service	3,600.00	-	-	-	-	0%	3,600.00	-
	Operation and Maintenance Manuals	1,500.00	-	-	-	-	0%	1,500.00	-
	GRAVITY MAIN- North of Main Street								
	Sheets 5.5/5.0/5.1- Start @ MH 21 end @ MH 32	285,500.00	-	-	-	-	0%	285,500.00	-
	House Connections (7)	24,500.00	-	-	-	-	0%	24,500.00	-
	Sheets 5.6- Start @ MH 24 end @ MH 25	42,000.00	-	-	-	-	0%	42,000.00	-

WORK CATEGORY			COMPLETED WORK					BALANCE TO FINISH	RETAINAGE
Item No.	Description	Scheduled Value	Prev. App. Value	This App.		Total			Value (5.0%)
				Work In Place	Stored Mat.	Value	%		
A	B	C	D=Prev. (D+E)	E	F	G=D+E+F	L=G/C	H=C-G	I
	House Connections (4)	14,000.00	-	-	-	-	0%	14,000.00	-
	Sheets 5.3/5.4- Start @ MH 24 end @ MH 38	248,500.00	-	-	-	-	0%	248,500.00	-
	House Connections (7)	24,500.00	-	-	-	-	0%	24,500.00	-
	Sheets 5.2/5.4- Start @ MH 36 end @ MH 43	169,000.00	-	-	-	-	0%	169,000.00	-
	House Connections (6)	21,000.00	-	-	-	-	0%	21,000.00	-
	Pipe/ Manhole Testing	3,000.00	-	-	-	-	0%	3,000.00	-
	GRAVITY MAIN- South of Main Street								
	Sheets 2.0- Start @ MH02 end MH10	66,000.00	-	-	-	-	0%	66,000.00	-
	House Connections (4)	14,000.00	-	-	-	-	0%	14,000.00	-
	Sheets 2.1/2.2/2.3- Start @ MH 02 end @ MH 07	225,500.00	-	-	-	-	0%	225,500.00	-
	House Connections (7)	24,500.00	-	-	-	-	0%	24,500.00	-
	Sheets 2.4- Start @ MH 06 end @ MH 11	51,000.00	-	-	-	-	0%	51,000.00	-
	House Connections (2)	7,000.00	-	-	-	-	0%	7,000.00	-
	Sheets 3.2- Start @ MH 05 end @ IMH 1	229,500.00	-	-	-	-	0%	229,500.00	-
	Service Laterals (3)	10,500.00	-	-	-	-	0%	10,500.00	-
	Sheets 2.5/2.6/2.7- Start @ MH 02 end @ MH 19	291,000.00	-	-	-	-	0%	291,000.00	-
	House Connections (14)	49,000.00	-	-	-	-	0%	49,000.00	-
	Sheets 2.7/3.0- Start @ MH 18 end @ MH 20	27,000.00	-	-	-	-	0%	27,000.00	-
	House Connections (2)	7,000.00	-	-	-	-	0%	7,000.00	-
	Sheets 2.7/3.0/3.1- Start @ MH 19 end @ CO 02	153,250.00	-	-	-	-	0%	153,250.00	-
	Service Laterals (4)	14,000.00	-	-	-	-	0%	14,000.00	-
	Pipe/ Manhole Testing	5,000.00	-	-	-	-	0%	5,000.00	-
	FORCE MAIN								
	6" Forcemain- North	1,925,000.00	-	-	-	-	0%	1,925,000.00	-
	6" In-Line Cleanouts- North	170,000.00	-	-	-	-	0%	170,000.00	-
	6" Manholes- North	28,000.00	-	-	-	-	0%	28,000.00	-
	4" Forcemain- South	137,250.00	-	-	-	-	0%	137,250.00	-
	4" In-Line Cleanouts- South	16,000.00	-	-	-	-	0%	16,000.00	-
	4" Manholes- South	12,000.00	-	-	-	-	0%	12,000.00	-
	3" LPS Forcemain- South	245,000.00	-	-	-	-	0%	245,000.00	-

WORK CATEGORY			COMPLETED WORK					BALANCE TO FINISH	RETAINAGE
Item No.	Description	Scheduled Value	Prev. App. Value	This App.		Total			Value (5.0%)
				Work In Place	Stored Mat.	Value	%		
A	B	C	D=Prev. (D+E)	E	F	G=D+E+F	L=G/C	H=C-G	I
	3" LPS Cleanouts- South	12,500.00	-	-	-	-	0%	12,500.00	-
	3" LPS Services- South	18,000.00	-	-	-	-	0%	18,000.00	-
	3" LPS Manhole	12,000.00	-	-	-	-	0%	12,000.00	-
	Pressure Test	6,500.00	-	-	-	-	0%	6,500.00	-
	RESTORATION:								
	GLOVERS LANE (PARKING LOT)								
	Demolition	54,000.00	-	-	-	-	0%	54,000.00	-
	Drainage	105,000.00	-	-	-	-	0%	105,000.00	-
	Site Concrete	34,000.00	-	-	-	-	0%	34,000.00	-
	Asphalt Paving	104,000.00				-	0%	104,000.00	-
	PARLATO DRIVE (PARKING LOT)								
	Demolition	45,000.00	-	-	-	-	0%	45,000.00	-
	Drainage	32,000.00	-	-	-	-	0%	32,000.00	-
	Site Concrete	45,000.00	-	-	-	-	0%	45,000.00	-
	Brick Pavers	30,000.00	-	-	-	-	0%	30,000.00	-
	Asphalt Paving	82,000.00	-	-	-	-	0%	82,000.00	-
	SUNSET AVE								
	Demolition	62,000.00	-	-	-	-	0%	62,000.00	-
	Site Concrete	85,000.00	-	-	-	-	0%	85,000.00	-
	Brick Pavers	70,000.00				-	0%	70,000.00	-
	Landscaping	45,000.00				-	0%	45,000.00	-
	Asphalt Paving	56,000.00	-	-	-	-	0%	56,000.00	-
	Drainage	40,000.00	-	-	-	-	0%	40,000.00	-
	MILL ROAD- Full Depth Repairs	32,000.00	-	-	-	-	0%	32,000.00	-
	OAK STREET- Full Depth Repairs	84,000.00	-	-	-	-	0%	84,000.00	-
	OLD RIVERHEAD ROAD- Full Depth Repairs	300,000.00	-	-	-	-	0%	300,000.00	-
	LIBRARY AVE								
	Base Repairs	35,000.00	-	-	-	-	0%	35,000.00	-
	Mill/ Pave	130,000.00	-	-	-	-	0%	130,000.00	-

Base Bid Drainage - Funded by Village

Base Bid Drainage - Funded by Village

Base Bid Drainage - Funded by Village

WORK CATEGORY			COMPLETED WORK					BALANCE TO FINISH	RETAINAGE
Item No.	Description	Scheduled Value	Prev. App. Value	This App.		Total			Value (5.0%)
				Work In Place	Stored Mat.	Value	%		
A	B	C	D=Prev. (D+E)	E	F	G=D+E+F	L=G/C	H=C-G	I
	PARLATO DRIVE								
	Base Repairs	30,000.00	-	-	-	-	0%	30,000.00	-
	Mill/ Pave	46,000.00	-	-	-	-	0%	46,000.00	-
	PARLATO DRIVE/ HULSE COURT								
	Base Repairs	40,000.00	-	-	-	-	0%	40,000.00	-
	Mill/ Pave	50,000.00	-	-	-	-	0%	50,000.00	-
	MITCHELL ROAD								
	Base Repairs	35,000.00	-	-	-	-	0%	35,000.00	-
	Mill/ Pave	125,000.00	-	-	-	-	0%	125,000.00	-
	PUMP STATIONS								
	GLOVERS LANE								
	Wet Well Complete	800,000.00	-	-	-	-	0%	800,000.00	-
	Pre- Fab Control Building	400,000.00	-	-	-	-	0%	400,000.00	-
	Meter Vault	30,000.00	-	-	-	-	0%	30,000.00	-
	Fencing	30,000.00	-	-	-	-	0%	30,000.00	-
	Water Service	10,000.00	-	-	-	-	0%	10,000.00	-
	Start up Testing	3,000.00	-	-	-	-	0%	3,000.00	-
		-	-	-	-	-	0%	-	-
	PARLATO DRIVE								
	Wet Well Complete	970,000.00	-	-	-	-	0%	970,000.00	-
	Pre- Fab Control Building	450,000.00	-	-	-	-	0%	450,000.00	-
	Meter Vault	30,000.00	-	-	-	-	0%	30,000.00	-
	Fencing	30,000.00	-	-	-	-	0%	30,000.00	-
	Water Service	20,000.00	-	-	-	-	0%	20,000.00	-
	Start up Testing	3,000.00	-	-	-	-	0%	3,000.00	-
	Jack and Bore Casing Pipe Complete	250,000.00	-	-	-	-	0%	250,000.00	-
	ALTERNATE 1								
	Demolition	45,000.00	-	-	-	-	0%	45,000.00	-
	Guardrail	10,000.00	-	-	-	-	0%	10,000.00	-

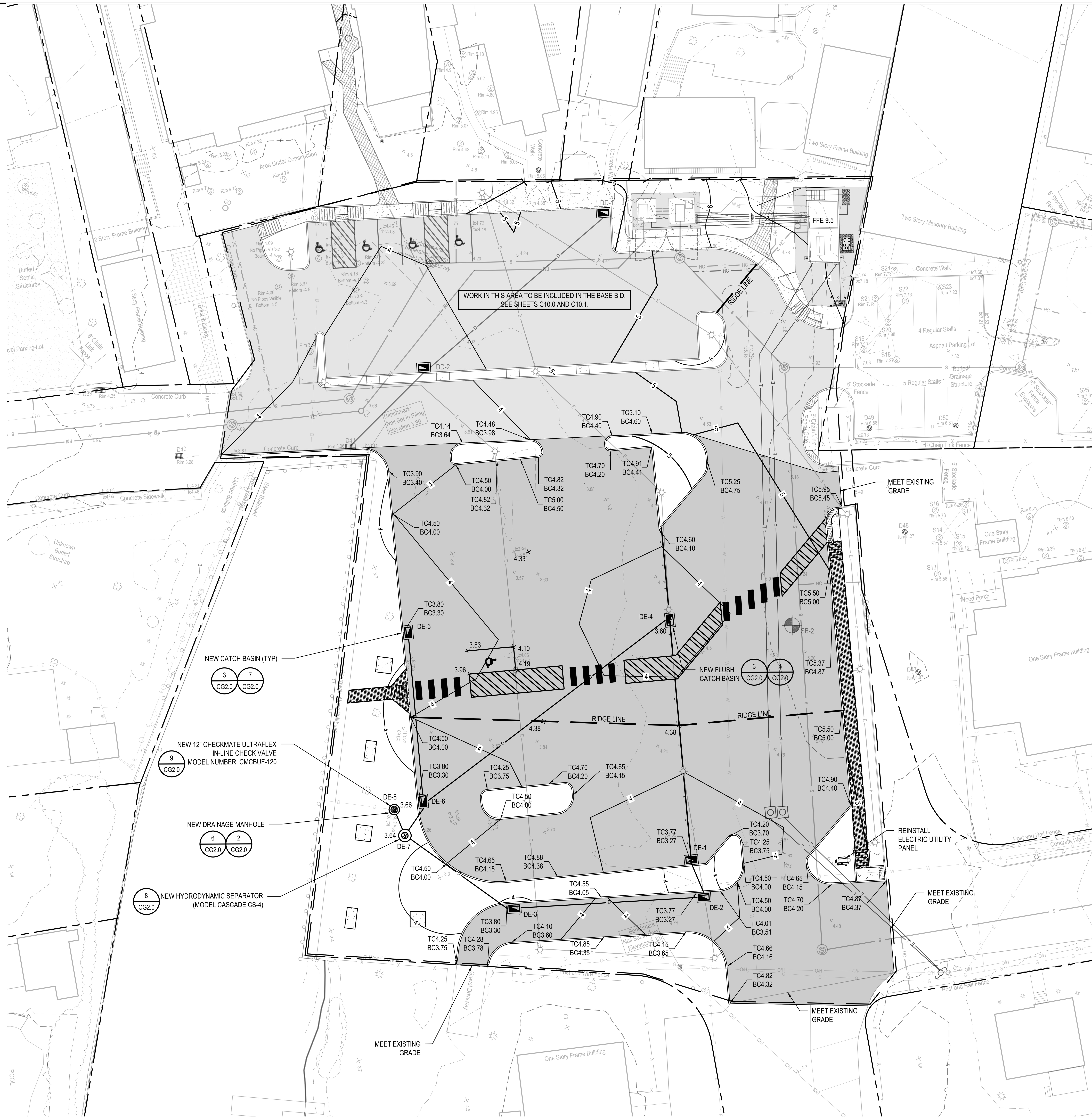
WORK CATEGORY			COMPLETED WORK					BALANCE TO FINISH	RETAINAGE
Item No.	Description	Scheduled Value	Prev. App. Value	This App.		Total			Value (5.0%)
				Work In Place	Stored Mat.	Value	%		
A	B	C	D=Prev. (D+E)	E	F	G=D+E+F	L=G/C	H=C-G	I
	Site Concrete	48,000.00	-			-	0%	48,000.00	-
	Drainage	70,000.00	-			-	0%	70,000.00	-
	Site Lighting	115,000.00	-	-	-	-	0%	115,000.00	-
	Asphalt Paving	101,900.00	-	-	-	-	0%	101,900.00	-
	Irrigation	22,000.00	-	-	-	-	0%	22,000.00	-
	Lanscaping	65,000.00	-	-	-	-	0%	65,000.00	-
	ALTERNATE 2								
	Demolition	36,000.00	-	-	-	-	0%	36,000.00	-
	Site Concrete	16,000.00	-			-	0%	16,000.00	-
	Drainage	8,000.00	-			-	0%	8,000.00	-
	Site Lighting	100,000.00	-	-	-	-	0%	100,000.00	-
	Asphalt Paving	30,000.00	-	-	-	-	0%	30,000.00	-
	Irrigation	15,000.00	-	-	-	-	0%	15,000.00	-
	Landscaping	45,000.00	-	-	-	-	0%	45,000.00	-
	ALTERNATE 3								
	Demolition	40,000.00	-	-	-	-	0%	40,000.00	-
	Site Concrete	65,000.00	-			-	0%	65,000.00	-
	Drainage	145,000.00	-			-	0%	145,000.00	-
	Site Lighting	72,000.00	-	-	-	-	0%	72,000.00	-
	Asphalt Paving	65,000.00	-	-	-	-	0%	65,000.00	-
	Irrigation	13,000.00	-	-	-	-	0%	13,000.00	-
	Landscaping	50,000.00	-	-	-	-	0%	50,000.00	-
	UNIT PRICES								
	Unit Price No. 1- Gravel Borrow- Type E 3/4" Stone	32,000.00	-	-	-	-	0%	32,000.00	-
	Unit Price No. 2- Gravel Borrow- Type C Sand	20,000.00	-	-	-	-	0%	20,000.00	-
	Unit Price No. 3- Unsuitable Material	12,000.00	-	-	-	-	0%	12,000.00	-
	Unit Price No. 4- Contaminated Material	60,000.00	-	-	-	-	0%	60,000.00	-

Alternative Drainage - Parlato Drive

Alternative Drainage - Glovers Land

Alternative Drainage - Mill Road

WORK CATEGORY			COMPLETED WORK					BALANCE TO FINISH	RETAINAGE
Item No.	Description	Scheduled Value	Prev. App. Value	This App.		Total			Value (5.0%)
				Work In Place	Stored Mat.	Value	%		
A	B	C	D=Prev. (D+E)	E	F	G=D+E+F	L=G/C	H=C-G	I
	Total Base Contract Work:	12,344,000.00	-	-	-	-	0%	12,344,000.00	-
	Total Extra Work:	-	-	-	-	-	0%	-	-
	GRAND TOTAL:	12,344,000.00	-	-	-	-	0%	12,344,000.00	-



PARLATO DRIVE PARKING LOT - GRADING AND DRAINAGE PLAN

SCALE: 1"=20'-0"

NOTES:

- REFER TO SHEET C4.0 FOR UTILITY CROSSING INFORMATION.
- REFER TO SHEET C8.0 AND C8.1 FOR STORM DRAINAGE CALCULATIONS, PIPE MATERIAL SPECIFICATIONS AND STRUCTURE SCHEDULE.
- REFER TO SHEET ALT1.5 FOR LANDSCAPING.

GRAPHIC SCALE

20 0 10 20

(IN FEET)
1 inch = 20 ft.

H2M architects + engineers

538 Broad Hollow Road, 4th Floor East
Melville, NY 11747
631.756.8000 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

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DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
DAD	EPI	MRM	MRM

PROJECT No.:	DATE:	SCALE:
WHBV 1901	SEP 2020	AS SHOWN

CLIENT

Village of Westhampton Beach

Phase 1 Collection and Conveyance System to S.C.S.D. No. 24

Westhampton Beach, NY

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

FINAL BID DOCUMENT

SHEET TITLE

PARLATO DRIVE PARKING LOT - GRADING AND DRAINAGE PLAN (ADD ALTERNATE 1)

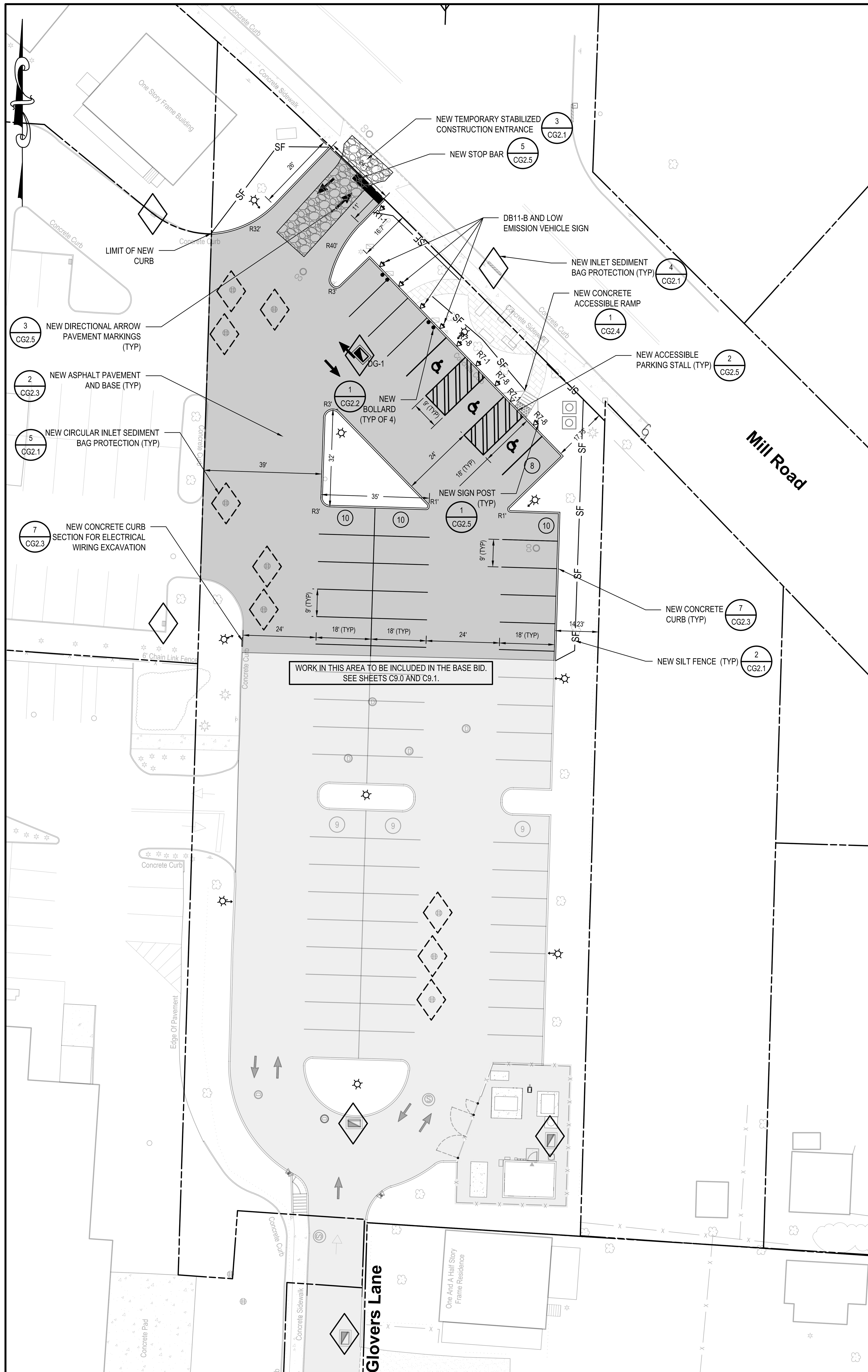
DRAWING No.

ALT1.3

SHEET No.

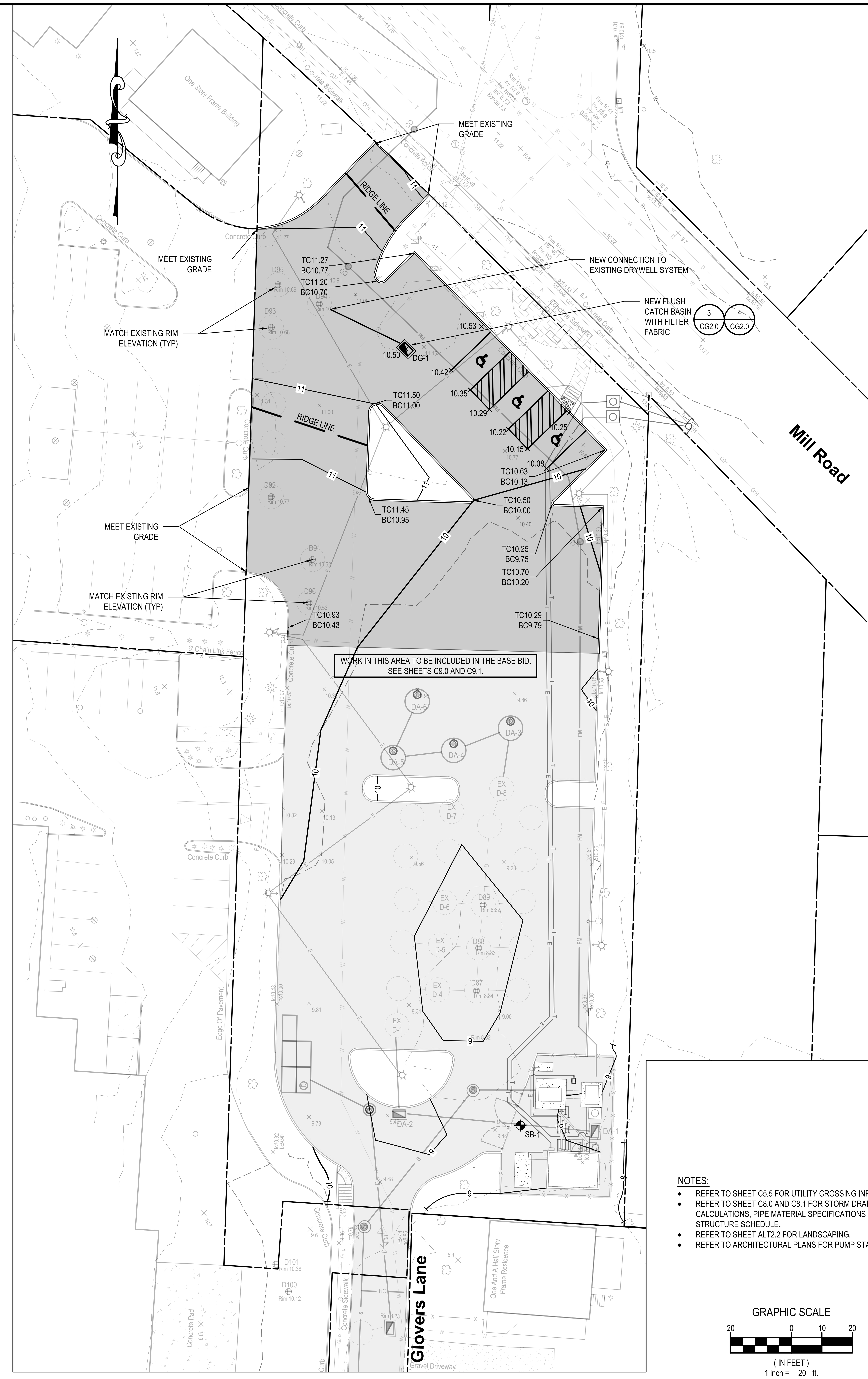
62 of 138

A-71



GLOVERS LANE PARKING LOT - DIMENSIONAL SITE PLAN

SCALE: 1"=20'-0"



NOTES:

- REFER TO SHEET C5.5 FOR UTILITY CROSSING INFORMATION.
- REFER TO SHEET C8.0 AND C8.1 FOR STORM DRAINAGE CALCULATIONS, PIPE MATERIAL SPECIFICATIONS AND STRUCTURE SCHEDULE.
- REFER TO SHEET ALT2.2 FOR LANDSCAPING.
- REFER TO ARCHITECTURAL PLANS FOR PUMP STATION DETAILS.

GRAPHIC SCALE

20 0 10 20

(IN FEET)
1 inch = 20 ft.

GLOVERS LANE PARKING LOT - GRADING AND DRAINAGE PLAN

SCALE: 1"=20'-0"

H2M architects + engineers

538 Broad Hollow Road, 4th Floor East
Melville, NY 11747
631.756.8000 • www.h2m.com

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DAD	EPI	MRM	MRM

PROJECT No.:	DATE:	SCALE:
WHBV 1901	SEP 2020	AS SHOWN

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Village of Westhampton Beach

Phase 1 Collection and Conveyance System to S.C.S.D. No. 24

Westhampton Beach, NY

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

FINAL BID DOCUMENT

SHEET TITLE

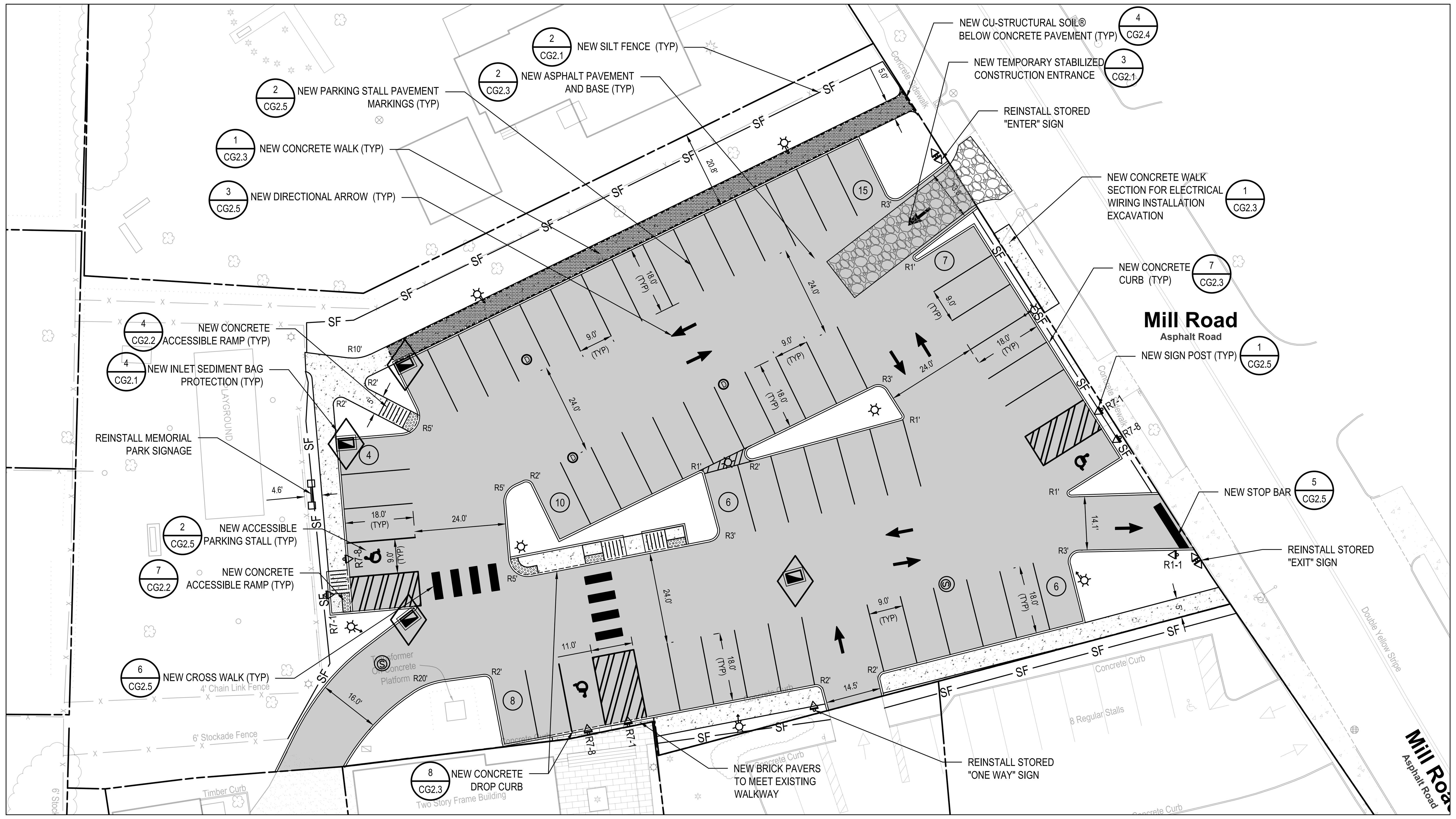
GLOVERS LANE PARKING LOT - DIMENSIONAL SITE PLAN AND GRADING AND DRAINAGE PLAN (ADD ALTERNATE 2)

DRAWING No.

ALT2.1

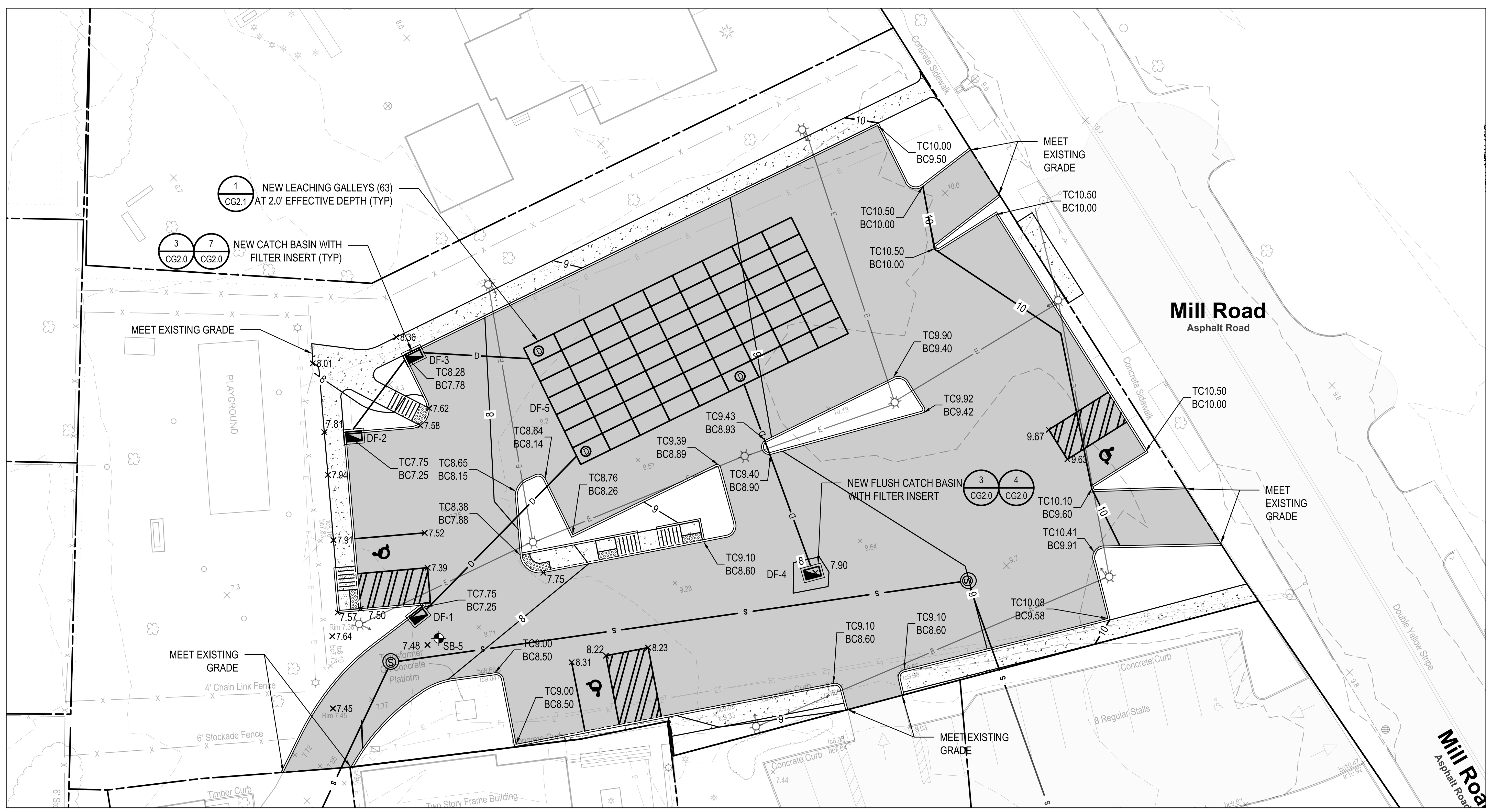
SHEET No.

68 OF 138



MILL ROAD PARKING LOT - DIMENSIONAL SITE PLAN AND EROSION CONTROL PLAN

SCALE: 1"=20'-0"



MILL ROAD PARKING LOT - GRADING AND DRAINAGE PLAN

SCALE: 1"=20'-0"

GRAPHIC SCALE

20 0 10 20

(IN FEET)
1 inch = 20 ft.

NOTES:

- REFER TO SHEET C8.0 AND C8.1 FOR STORM DRAINAGE CALCULATIONS, PIPE MATERIAL SPECIFICATIONS AND STRUCTURE SCHEDULE.

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CONSULTANTS:

MARK	DATE	DESCRIPTION

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DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
DAD	EPI	MRM	MRM

PROJECT No.:	DATE:	SCALE:
WHBV 1901	SEP 2020	AS SHOWN

CLIENT

Village of Westhampton Beach

Phase 1 Collection and Conveyance System to S.C.S.D. No. 24

Westhampton Beach, NY

CONTRACT

CONTRACT G GENERAL CONSTRUCTION

STATUS

FINAL BID DOCUMENT

SHEET TITLE

MILL ROAD PARKING LOT - DIMENSIONAL SITE PLAN AND GRADING AND DRAINAGE PLAN (ADD ALTERNATE 3)

DRAWING No. **ALT3.1**

SHEET No. 73 of 138

GLOVERS LANE PARKING LOT DRAINAGE CALCULATIONS

STORM DRAINAGE CALCULATIONS

DESIGN CRITERIA
PROVIDE STORAGE FOR RUNOFF FROM A 2" STORM
USE: 8' DIA. DRYWELLS, VOLUME = 42.24 CF/VF

RUNOFF COEFFICIENTS
PAVEMENT (C=1.0)

DRAINAGE SYSTEM "A" Provide storage for additional impervious area for new pump station.

VOLUME REQUIRED

SURFACE	AREA		C		STORM	VOLUME
PAVEMENT/ROOF	697 SF	x	1.0	x	2/12 =	117 CF
TOTAL VOLUME REQUIRED =						117 CF

VOLUME PROVIDED
USE: 1 DRYWELL (8' DIA.) @ 3' EFFECTIVE DEPTH
VOLUME PROVIDED (1 x 42.24 x 3') = 126 CF (> 117 CF REQ'D)

*EXISTING DRYWELLS (D86, EX D-2 & EX D-3) TO BE REMOVED AND REPLACED BY DRYWELLS (DA-3, DA-4 & DA-5) WITH MATCHING CAPACITY

*EXISTING DRYWELLS (EX D-2, EX D-4, EX D-5, EX D-6 & EX D-7) HAVE BEEN REFERENCED FROM RECORD DRAWING COMPLETED BY FOX LAND SURVEYING (OCT 19, 1999) EXISTING DRYWELL CONNECTIONS TO BE VERIFIED BEFORE CONSTRUCTION.

GLOVERS LANE PARKING LOT DRAINAGE STRUCTURE SCHEDULE

GLOVERS LANE PARKING LOT BASE BID PACKAGE

STRUCT. NUMBER	STRUCTURE TYPE	RIM/TC ELEVATION	TOP OF RING ELEVATION	BOTTOM OF RING ELEVATION	EFF. DEPTH	INVERT ELEVATIONS
DA-1	CATCH BASIN	RIM 8.88	-----------	-----------	-----------	W 5.71 (12")
DA-2	CATCH BASIN	RIM 8.75	-----------	-----------	-----------	N,E 5.11 (12")
EX D-1	EXISTING DRYWELL (BURIED)	RIM 9.36	-----------	-----------	-----------	S 4.88 (12")
EX D-8	EXISTING DRYWELL (BURIED)	RIM 9.47	-----------	-----------	-----------	N,S 6.36 (12")
DA-3	8' DIA. DW W/SLAB & SOLID COVER	RIM 9.18	7.51	4.51	3.00	W,S 6.24 (12")
DA-4	8' DIA. DW W/SLAB & SOLID COVER	RIM 9.22	7.55	4.55	3.00	E,W 6.12 (12")
DA-5	8' DIA. DW W/SLAB & SOLID COVER	RIM 9.39	7.72	4.72	3.00	N,E 6.00 (12")
DA-6	8' DIA. DW W/SLAB & SOLID COVER	RIM 9.95	8.28	5.28	3.00	S 5.85 (12")

GLOVERS LANE PARKING LOT ADD-ALTERNATIVE NO. 2.0 BID PACKAGE

STRUCT. NUMBER	STRUCTURE TYPE	RIM/TC ELEVATION	TOP OF RING ELEVATION	BOTTOM OF RING ELEVATION	EFF. DEPTH	INVERT ELEVATIONS
DG-1	CATCH BASIN	RIM 10.50	-----------	-----------	-----------	W 7.39 (12")
D94	EXISTING DRYWELL	RIM 10.64	8.70	5.40	3.30	E 6.87 (12")

GLOVERS LANE ROAD DRAINAGE CALCULATIONS

STORM DRAINAGE CALCULATIONS

DESIGN CRITERIA
PROVIDE STORAGE FOR RUNOFF FROM A 2" STORM
USE: 2.5', 3.0', 4.0' EFFECTIVE DEPTH LEACHING GALLEYS = 32 CF/VF

RUNOFF COEFFICIENTS
PAVEMENT (C=1.0)

DRAINAGE SYSTEM "B" Northern portion of Glovers Lane roadway drainage being stored in Glovers Lane Parking Lot.

VOLUME REQUIRED

SURFACE	AREA		C		STORM	VOLUME
PAVEMENT/ROOF	2,590 SF	x	1.0	x	2/12 =	432 CF
TOTAL VOLUME REQUIRED =						432 CF

VOLUME PROVIDED
USE: 5 LEACHING GALLEYS @ 3' EFFECTIVE DEPTH
VOLUME PROVIDED (5 x 32.00 x 3') = 480 CF (> 432 CF REQ'D)

DRAINAGE SYSTEM "C" Southern portion of Glovers Lane roadway drainage being stored in the Chamber of Commerce Parking Lot.

VOLUME REQUIRED

SURFACE	AREA		C		STORM	VOLUME
PAVEMENT/ROOF	6,207 SF	x	1.0	x	2/12 =	1,035 CF
TOTAL VOLUME REQUIRED =						1,035 CF

VOLUME PROVIDED
USE: 6 LEACHING GALLEY STACKS @ 6.5' DEPTH

Each stack consists of a 4.0' leaching galley stacked on a 2.5' leaching galley. Pipe invert into 2.5' leaching galley. Top foot produces no storage capacity and is required only to reduce burial depth of stacks. Effective depth of stacks is 5.5'.

VOLUME PROVIDED (6 x 32.00 x 5.5) = 1,056 CF (> 1,035 CF REQ'D)

GLOVERS LANE ROAD DRAINAGE STRUCTURE SCHEDULE

GLOVERS LANE ROAD BASE BID PACKAGE

STRUCT. NUMBER	STRUCTURE TYPE	RIM/TC ELEVATION	TOP OF STRUCTURE ELEVATION	TOP OF RING ELEVATION	BOTTOM OF RING ELEVATION	EFF. DEPTH	INVERT ELEVATIONS
DB-1	CATCH BASIN	RIM 8.23	-----------	-----------	-----------	-----------	N 6.02 (8" DIP)
DB-2	DRAINAGE MANHOLE	RIM 9.00	-----------	-----------	-----------	-----------	W,S 5.10 (8" DIP)
DB-3	LEACHING GALLEY FIELD (5 UNITS)	RIM 9.53	6.82	6.28	3.28	3.0	S 4.82 (8" DIP)
DC-1	CATCH BASIN	RIM 7.75	-----------	-----------	-----------	-----------	S 5.74 (8" DIP)
DC-2	CATCH BASIN	RIM 7.67	-----------	-----------	-----------	-----------	N,SW 4.64 (8" DIP)
DC-3	DRAINAGE MANHOLE	RIM 9.37	-----------	-----------	-----------	-----------	NE,W 4.37 (8" DIP)
DC-4	LEACHING GALLEY FIELD (6 UNITS)	RIM 11.50	9.23	8.69	1.65	5.5	E 2.69 (8" DIP)

PARLATO DRIVE PARKING LOT DRAINAGE STRUCTURE SCHEDULE

PARLATO DRIVE BASE BID PACKAGE

STRUCT. NUMBER	STRUCTURE TYPE	RIM/TC ELEVATION	TOP OF RING ELEVATION	BOTTOM OF RING ELEVATION	EFF. DEPTH	INVERT ELEVATIONS
DD-1	CATCH BASIN	RIM 4.80	---------	---------	---------	W 1.69 (12")
DD-2	CATCH BASIN	RIM 3.00	---------	---------	---------	E,S -0.11 (12")
D43	EXISTING CATCH BASIN	RIM 3.03	---------	---------	---------	N,S -0.51 (12")

PARLATO DRIVE ADD-ALTERNATE NO. 1.0 BID PACKAGE

STRUCT. NUMBER	STRUCTURE TYPE	RIM/TC ELEVATION	TOP OF RING ELEVATION	BOTTOM OF RING ELEVATION	EFF. DEPTH	INVERT ELEVATIONS
DE-1	CATCH BASIN	RIM 3.27	---------	---------	---------	SE 0.97 (12" DIP)
DE-2	CATCH BASIN	RIM 3.27	---------	---------	---------	NW,SW 0.91 (12" DIP)
DE-3	CATCH BASIN	RIM 3.30	---------	---------	---------	W,NE 0.57 (12" DIP)
DE-4	CATCH BASIN	RIM 3.30	---------	---------	---------	SW 0.97 (12" DIP)
DE-5	CATCH BASIN	RIM 3.30	---------	---------	---------	SE 0.69 (12" DIP)
DE-6	CATCH BASIN	RIM 3.30	---------	---------	---------	S,NE,NW 0.39 (12" DIP)
DE-7	HYDRODYNAMIC SEPARATOR	RIM 3.64	---------	---------	---------	N,NW,E 0.34 (12" DIP)
DE-8	DRAINAGE MANHOLE	RIM 3.66	---------	---------	---------	S 0.30 (12" DIP) W 0.30 (12" HDPE)

MILL ROAD PARKING LOT DRAINAGE CALCULATIONS

STORM DRAINAGE CALCULATIONS

DESIGN CRITERIA
PROVIDE STORAGE FOR RUNOFF FROM A 2" STORM
USE: 2.0' DEPTH LEACHING GALLEYS 32 CF/VF

RUNOFF COEFFICIENTS
PAVEMENT (C=1.0)
GRASS (C=0.15)

DRAINAGE SYSTEM "F" New Pavement and Landscaped Islands

VOLUME REQUIRED

SURFACE	AREA		C		STORM	VOLUME
GRASS	2,743 SF	x	0.15	x	2/12 =	69 CF
PAVEMENT/ROOF	24,118 SF	x	1.0	x	2/12 =	4,020 CF
TOTAL VOLUME REQUIRED =						4,020 CF

VOLUME PROVIDED
USE: 63 LEACHING GALLEYS AT 2.0 EFFECTIVE DEPTH
VOLUME PROVIDED (63 x 32.00 x 2.0) = 4,032 CF (> 4,020 CF REQ'D)

MILL ROAD PARKING LOT DRAINAGE STRUCTURE SCHEDULE

MILL ROAD ADD-ALTERNATE NO. 3.0 BID PACKAGE

STRUCT. NUMBER	STRUCTURE TYPE	RIM/TC ELEVATION	TOP OF STRUCTURE ELEVATION	TOP OF RING ELEVATION	BOTTOM OF RING ELEVATION	EFF. DEPTH	INVERT ELEVATIONS
DF-1	CATCH BASIN	RIM 7.25	---------	---------	---------	---------	NW 4.14 (12" HDPE)
DF-2	CATCH BASIN	RIM 7.25	---------	---------	---------	---------	NE 4.14 (12" HDPE)
DF-3	CATCH BASIN	RIM 7.78	---------	---------	---------	---------	E,SW 3.92 (12" HDPE)
DF-4	CATCH BASIN	RIM 7.90	---------	---------	---------	---------	E,SW 3.92 (12" HDPE)
DF-5	LEACHING GALLEY FIELD (63 UNITS)	RIM 8.25 (S) RIM 8.30 (N) RIM 8.95 (E)	5.57	5.03	3.03	2.00	SW 3.64 (12" HDPE) W 3.66 (12" HDPE) S 3.66 (12" HDPE)

H2M architects + engineers
538 Broad Hollow Road, 4th Floor East
Melville, NY 11747
631.756.8000 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
DAD	EPI	MRM	MRM

PROJECT No.:	DATE:	SCALE:
WHBV 1901	SEP 2020	AS SHOWN

CLIENT

Village of Westhampton Beach

Phase 1 Collection and Conveyance System to S.C.S.D. No. 24

Westhampton Beach, NY

CONTRACT

CONTRACT G GENERAL CONSTRUCTION

STATUS

FINAL BID DOCUMENT

SHEET TITLE

PUMP STATION SITE PLANS ABBREVIATIONS, NOTES & LOCATION MAPS

DRAWING No. **C8.1**

SHEET No. 50 OF 138 A-74