



# Belle Ave. & Beverly Road Drainage Project

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Township Manager

**Township of Teaneck**  
Engineering Department

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**September 24<sup>th</sup>, 2024**



# Introduction

- Drainage complaints & street flooding in the area of Belle Ave/Beatrice Street and Belle Ave/Beverly Road were reported during Tropical Storm Ida in 2021.
- The Township Council and Manager met with residents of the impacted area the second week of October 2021 and initiated a drainage study.
- The study results and recommendations were shared in April 2022 with Residents and Township Management.
- There were three recommendations:
  - A 90 thousand gallon detention system in Sagamore Park
  - Improve the abrupt bend in the piping system at Belle Ave. and Beverly Road
  - Install Bioswales in select locations



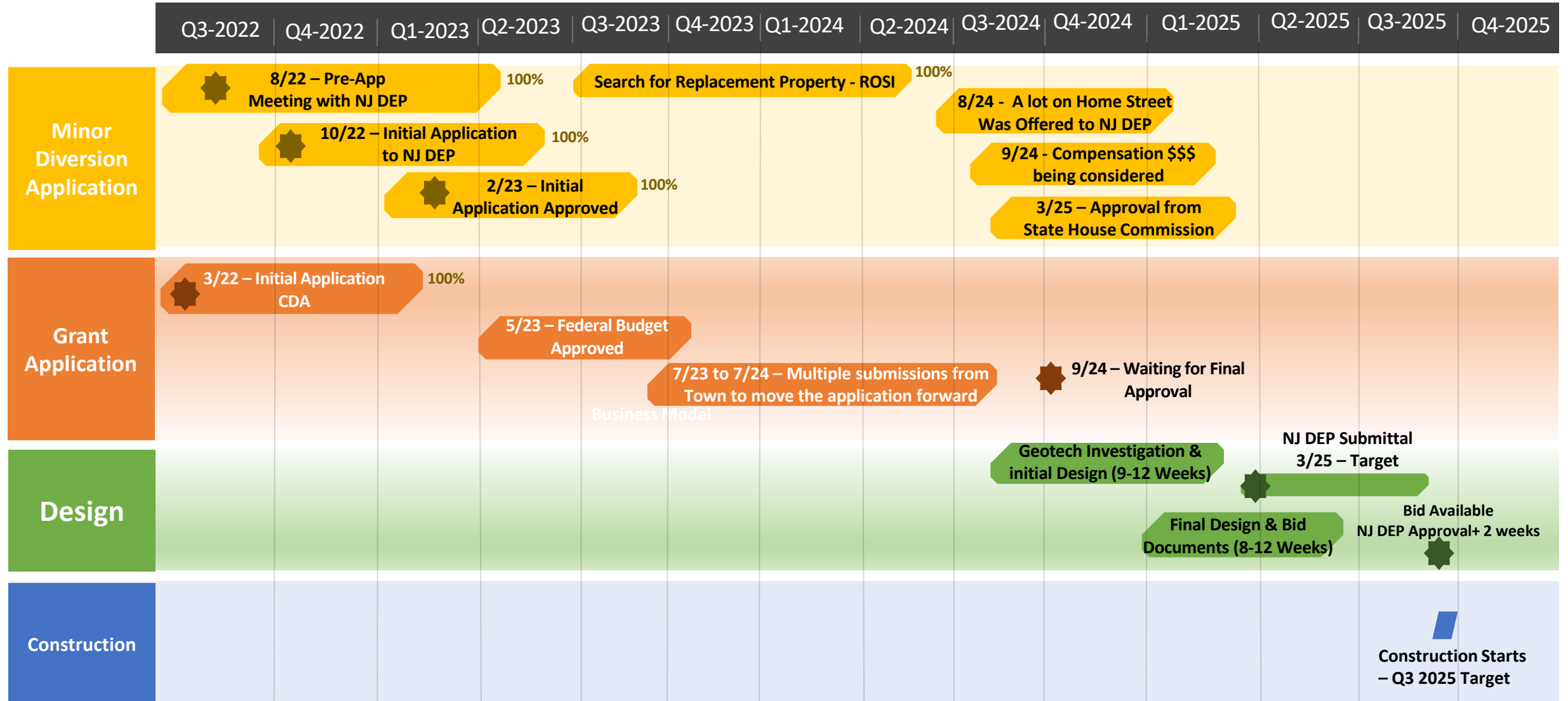
# Progress to Date

- A 30 thousand gallon, 9 ft x 4 ft culvert was installed at the abrupt bend under the sidewalk at the Belle Ave. and Beverly Road intersection in February 2023 (\$500K). This significantly improved the flooding situation.
- A minor diversion application was initiated with NJ DEP to install the detention system in Sagamore Park.
- A \$1.06M grant application was submitted and approved to fund the detention system in Sagamore Park
- A \$280K grant application was submitted and approved for Bioswales

# Sagamore Park Detention System



Timelines (Approximate and Weather Permitting)



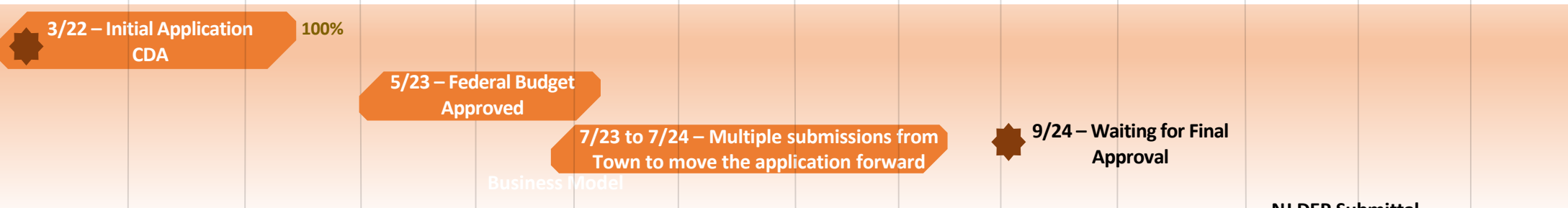
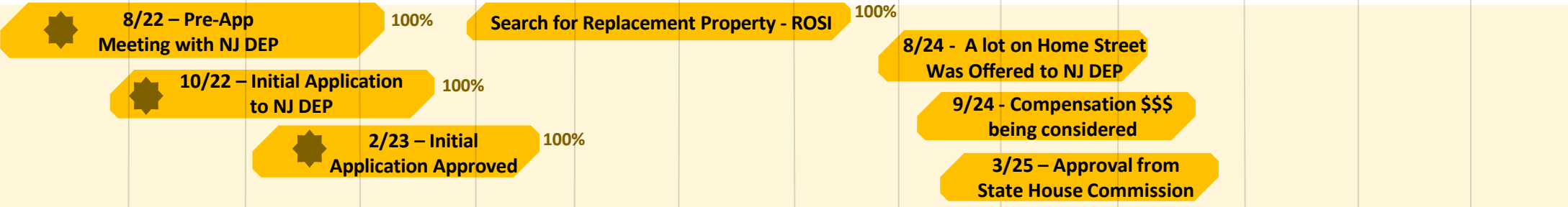
Q3-2022 | Q4-2022 | Q1-2023 | Q2-2023 | Q3-2023 | Q4-2023 | Q1-2024 | Q2-2024 | Q3-2024 | Q4-2024 | Q1-2025 | Q2-2025 | Q3-2025 | Q4-2025

Minor Diversion Application

Grant Application

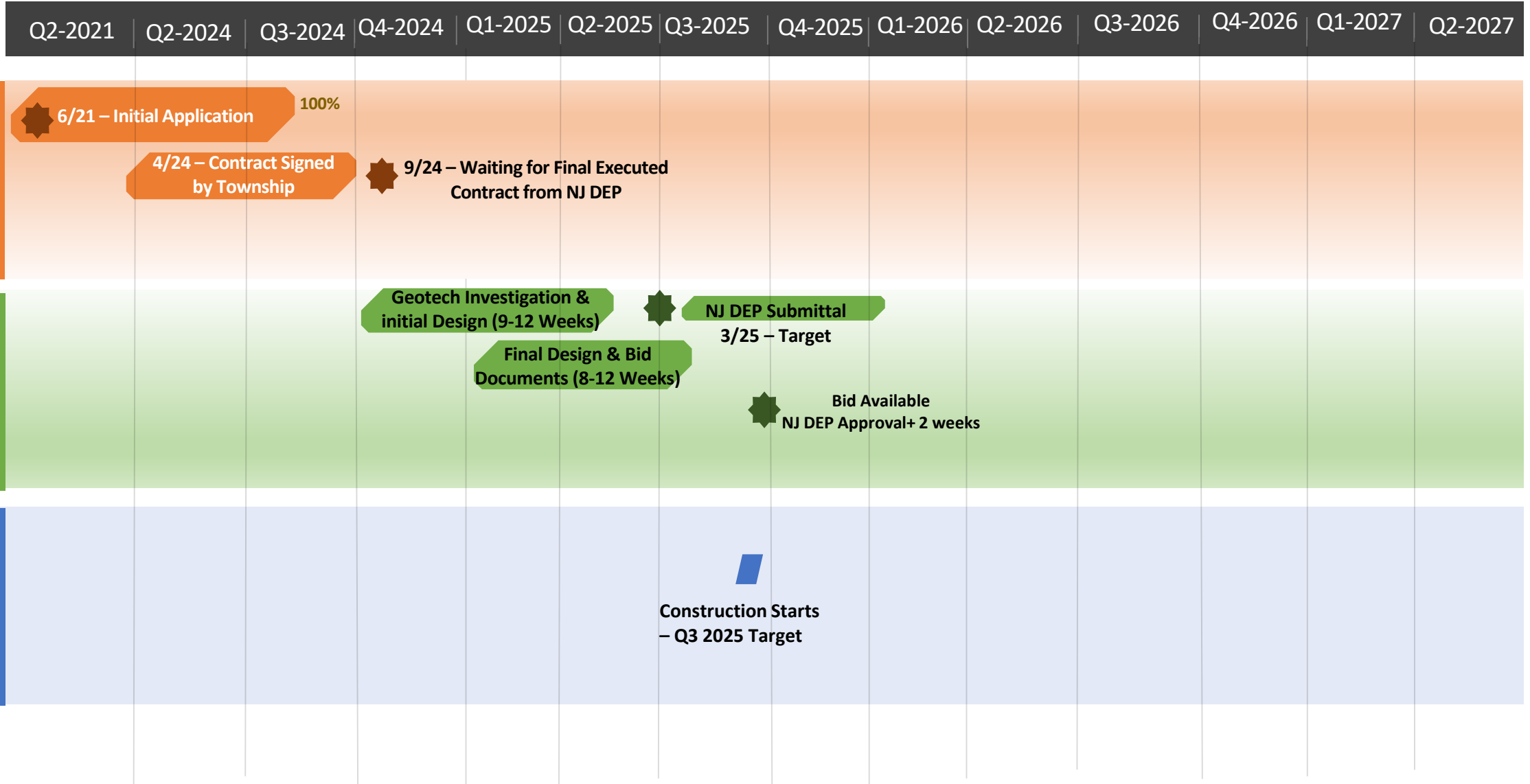
Design

Construction



# Bioswales / Rain Garden

Timelines (Approximate & Weather Permitting)



# NJDEP Green Acres Minor Diversion Permit Details



- Pre application meeting with DEP to discuss the project – 8/2022
- Submitted initial application to DEP – 10/2022
- Initial application was approved with the following condition: – 2/2023
  - Compensation must be in the form of land replacement or a contribution to the Garden State Preservation Trust.
- Township started looking for land replacement options and the updated ROSI (Recreation and Open Space Inventory) to identify land availability for replacement
- ROSI was completed in July 2024
- Township offered 100 Home Street to NJDEP in August 2024
- DEP notified us of a mandatory task list to be completed for the land replacement. (Home St.) This process was estimated to take upwards of 6 – 12 months.
- Township plans to offer the assessed value to NJDEP to expedite the drainage project.
- If the assessed value is offered, the following timeline is possible:
  - Final Application approval by NJ DEP by mid-October
  - Permission to proceed with public hearing around October 23<sup>rd</sup>
  - Public hearing meeting by end of November
  - All submission information to NJDEP by beginning of January 2025
  - Permit application will be on the March agenda for the SHC(State House Commission) meeting for approval



# Sagamore Park Detention System - Funding

- March 2022: We submitted an initial application to Senator Booker, Senator Menendez, and Congressman Gottheimer's offices to be considered for the FY23 round of Congressionally Directed Spending/Community Project Funding.
- May 2023: The FY2023 federal budget was approved, and the Township learned that the project was included as an appropriation from the EPA, and that further instructions would be forthcoming in the coming months.
- July – October 2023: The Township Engineer and EPA worked on the US NEPA Categorical Exclusion (CATEX) documentation.
- October 2023: The EPA contacted the Township to finalize project details.
- December 2023: The Township submitted the required checklist and signed letter requesting an EPA NEPA Categorical Exclusion (CATEX) determination. The Township was also given instructions from the EPA on the next steps to filling out the full work plan application.
- January – May 2024: The grant writers worked with the Township to obtain access to the grant portal to find the required forms and application materials. They then worked with the Township engineers to develop the full work plan and gather all required information and attachments.
- June 2024: The grant writers submitted the full work plan application to the EPA through the grant portal.
- July 2024: The EPA reached out with some application revisions, including revisions to the work plan, submitting a cost share acknowledgement letter, and submitting an updated required form. All requested revisions were completed, which were approved by the EPA. The grant application has moved forward and now we are waiting on the final approval of the application so work can officially begin.



# Bioswales Timeline

1. Field Survey and Basemap Preparation [1-2 Months]
2. Construction and Document Design [2-6 Months]
3. Advertisement of Notice to Bidders [6-10 Months]
4. Preparation of Bid Recommendation and Award [11-12 Months]
5. Mobilization, Site Clearing, and Demobilization [12-24 Months]
6. Earthwork and Excavation [12-24 Months]
7. Installation of Rain Garden Infrastructure [12-24 Months]
8. Installation of Native Landscape Plantings [12-24 Months]
9. Soil Erosion and Sediment Control Measures [12-24 Months]





# THANK YOU

Township of Teaneck

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