

Starfield Booster Pumping Station and River Pumping Station Status

Board of Commissioners Regular Meeting

Aug. 11, 2025

K. Marie Strandwitz, PE



TOWN OF
HILLSBOROUGH

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Starfield Booster Pumping Station

- Goal – receive water from Orange Water and Sewer Authority (OWASA) if needed during emergencies by building a pumping station.
- Awarded FEMA Building Resilient Infrastructure and Communities Funding (BRIC) from the 2021 funding round.
 - Phase 1 for design and bidding.
 - Phase 2 for construction.
- Earmarked State and Tribal Assistance Grant (STAG) for same project
 - Decided to use FEMA as sole source and repurpose other grant - until loss of funding.

Phase	Total Project Cost	Non-federal Share	Federal Share	Status
1	\$258,508.02	\$74,182.80	\$184,325.22	Approved
2	\$1,173,180.41	\$341,763.40	\$831,418.01	Canceled by FEMA in April 2025
Total	\$1,431,688.43	\$415,946.20	\$1,015,743.23	



HILLSBOROUGH

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Starfield Booster Pumping Station

- Have 100% design plans.
 - Double checking flood protection.
- Working on permit applications.
- Valuating land for acquisition negotiations.
 - Will address owner concerns best we can.
- Still submitting requests for reimbursement to FEMA BRIC under Phase 1.
- Using consultant to develop formal application for STAG.
 - Workplan at 100% - 1st step.
 - Budget and application – next steps.
- Using consultant to develop formal application to Hazard Mitigation Grant Program (HMGP).
 - Federally funded but managed by the North Carolina Department of Public Safety's (NCDPS) Division of Emergency Management (NCEM).
 - Orange County covered under emergency declaration from Helene.
 - Submitted Letter of Interest in May.
 - Preliminary approval by NCDEM sent in June to develop full application – final approval expected in August.
 - Instructions for application to be released in August.
 - Applications accepted on a rolling basis from October 2025 through June 2026 (expected).



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River Sewer Pumping Station

- Goal – move station from floodway and upsize to current needs.
- Awarded FEMA BRIC Funding from the 2021 funding round.
 - Phase 1 for design and bidding.
 - Phase 2 for construction.

Phase	Total Project Cost	Non-federal Share	Federal Share	Status
1	\$961,568.29	\$275,773.50	\$685,794.79	Approved
2	\$7,259,515.16	\$2,139,763.59	\$5,119,751.57	Canceled by FEMA in April 2025
Total	\$8,221,083.45	\$2,415,537.09	\$5,805,546.36	



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River Sewer Pumping Station

- Have 100% design plans.
- Working on permit applications.
- Valuating land for acquisition negotiations.
- Still submitting requests for reimbursement to FEMA BRIC under Phase 1.
- Using consultant to develop formal application to HMGP.
 - Federally funded but managed by the North Carolina Department of Public Safety's (NCDPS) Division of Emergency Management (NCEM).
 - Orange County covered under emergency declaration from Helene.
 - Submitted Letter of Interest in May.
 - Preliminary approval by NCEM sent in June to develop full application – final approval expected in August.
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River Sewer Pumping Station

- If County major disaster declaration announced, then eligible for federal Public Assistance Program (state administered)
 - County toured facilities on 7/29/2025 for joint preliminary damage assessment.
 - Eligible to have emergency and restoration costs reimbursed.
 - Can have funding to bring station back to existing condition.
 - Could do a 406 Hazard Mitigation – taking money that would have been going to repair facility and put it to moving the station. However not feasible to bypass pump for that long.
 - Have ordered replacement pumps, motors, controls and electrical. Getting quotes for demolition and install of new.



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