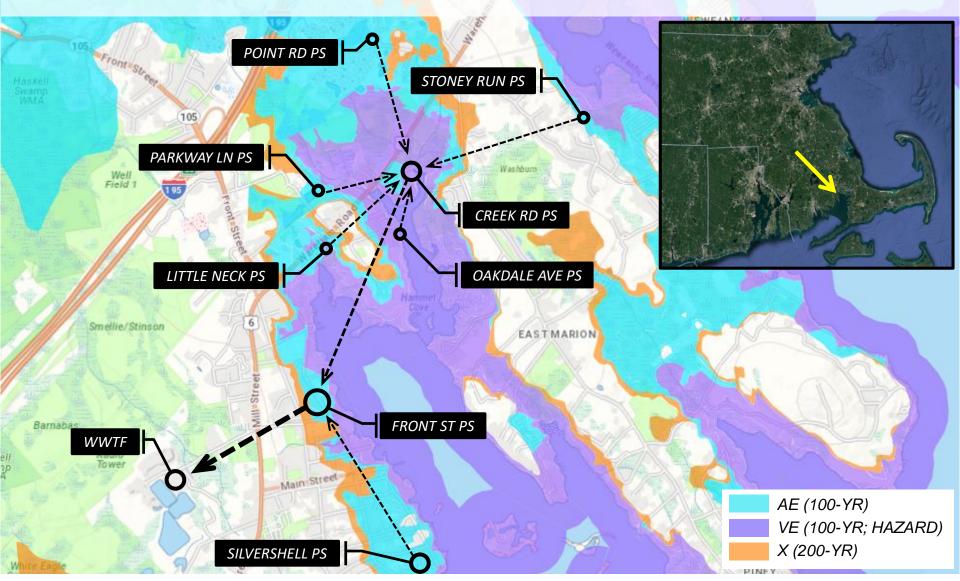


# Accelerating the fortification of coastal pump stations with grant funding in Marion, MA

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### Marion Sewer System





#### **Grant Overview**

PROGRAM	CZM (MA)	MVP (MA)	BRIC (FEMA)
MAX AWARD	• \$2M	• \$30k/\$3M	• \$1M/\$50M
МАТСН	• Up to 25%	• 10-25%	• 10-25%
CHALLENGE	• Schedule (~Nov. – June 30)	<ul> <li>Planning grant required for action grants</li> <li>Nature-based solutions</li> </ul>	Highly competitive



#### **Timeline FY18 FY19 FY20 FY21 FY22 FY23** Preparedness Vulnerability Workshop Study (MVP) (CZM) Creek/Front Study Creek Rd Front Design /Construction Design (CZM) (CZM) **Develop HMP** Creek Rd Construction (BRIC)



### Vulnerability Study (CZM FY19)

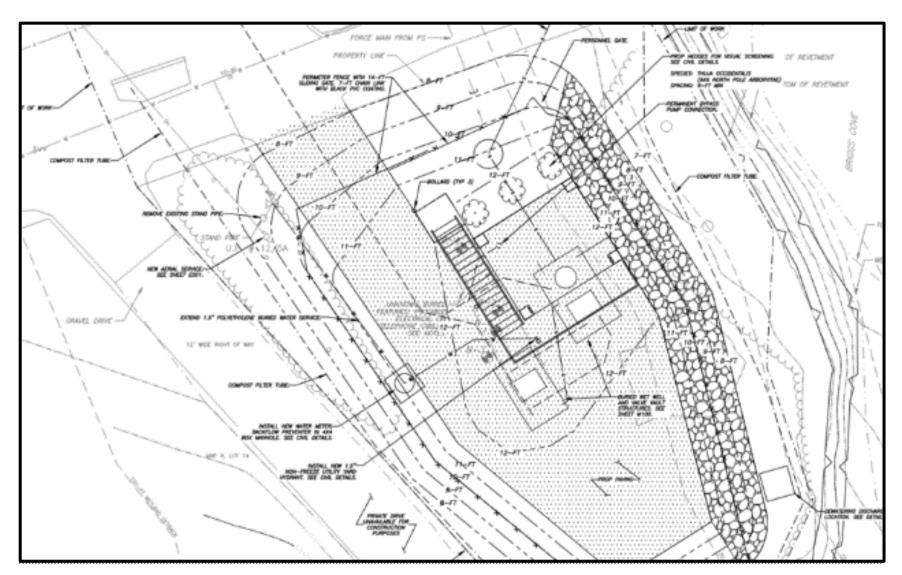
PUMP STATION	EX. GRADE	EX. FLOOD ZONE	2045 DFE	2080 DFE
CREEK RD	8.7	VE 17	21.0	23.1
FRONT ST	7.2	AE 13	17.7	22.1
LITTLE NECK	15.5	AE 15	20.7	23.9
OAKDALE AVE	6.0	VE 17	21.1	24.3
PARKWAY LN	11.9	AE 16	22.5	25.7
POINT RD	13.4	AE 16	21.4	24.6
SILVERSHELL	10.3	AE 16	21.1	24.2
STONEY RUN	14.9	AE 16	20.7	23.9









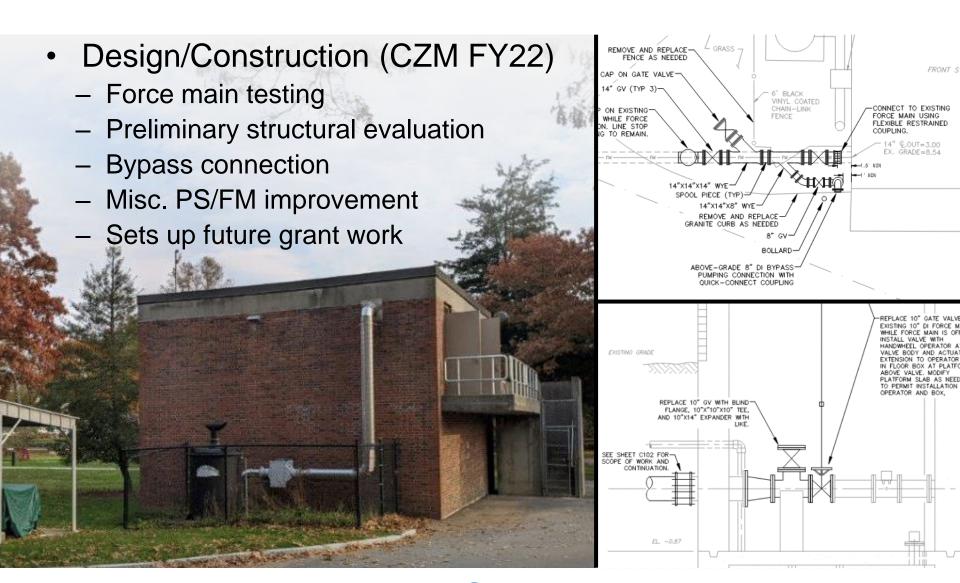








#### Front Street PS





#### Next Steps

- Oakdale Ave PS Major improvements
- Front St PS Parallel force main
- Bypass connections at other five PS's
- Front St PS Phase 2 (structural impr.)



#### Conclusions

- Grant funding is readily available
  - Funding agencies want to help
  - Maximizes Town funding
  - Accelerates schedule
  - Target appropriate sources
- Plan via grant
- Residents appreciate proactive approach to resilience



## thank you

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