

Monmouth County Bridges W-7, W-8, AND W-9

BOROUGHES OF BRIELLE AND MANASQUAN

PROJECT PURPOSE AND NEED

DEFINITION

- PROJECT PURPOSE IDENTIFIES THE INTENT OF THE PROJECT UNDERTAKING
- PROJECT NEEDS IDENTIFY SPECIFIC DEFICIENCIES AND CRITICAL CONCERNS TO BE ADDRESSED BY THE PROJECT
- PROJECTS TYPICALLY ALSO HAVE GOALS AND OBJECTIVES THAT ARE STRIVED FOR AS PART OF THE PROJECT; NOT ALL MAY BE ACHIEVED BY THE FINAL SELECTED ALTERNATIVE

PROJECT PURPOSE

THE PURPOSE OF THE PROJECT IS TO PROVIDE SAFE AND EFFICIENT CROSSING FOR ALL MODES OF TRAVEL WITHIN THE PROJECT LIMITS BY ADDRESSING THE GEOMETRIC, STRUCTURAL AND OPERATIONAL AND MAINTENANCE DEFICIENCIES OF BRIDGE W-7 (GREEN AVENUE OVER DEBBIE’S CREEK), STRUCTURE W-8 (FISK AVENUE CULVERT), AND BRIDGE W-9 (BRIELLE ROAD OVER THE GLIMMER GLASS).

PROJECT NEED

- BRIDGE NEED (LOAD CAPACITY INCLUDING EMERGENCY VEHICLES, VERTICAL CLEARANCE, BRIDGE WIDTH)
- ROADWAY NEEDS (LANE AND SHOULDER WIDTHS, CROSS SLOPES)
- SYSTEM LINKAGE (ROADWAY NETWORK, EMERGENCY RESPONSE, COASTAL EVACUATION, MARINE)
- PEDESTRIAN AND BICYCLE COMPATIBILITY

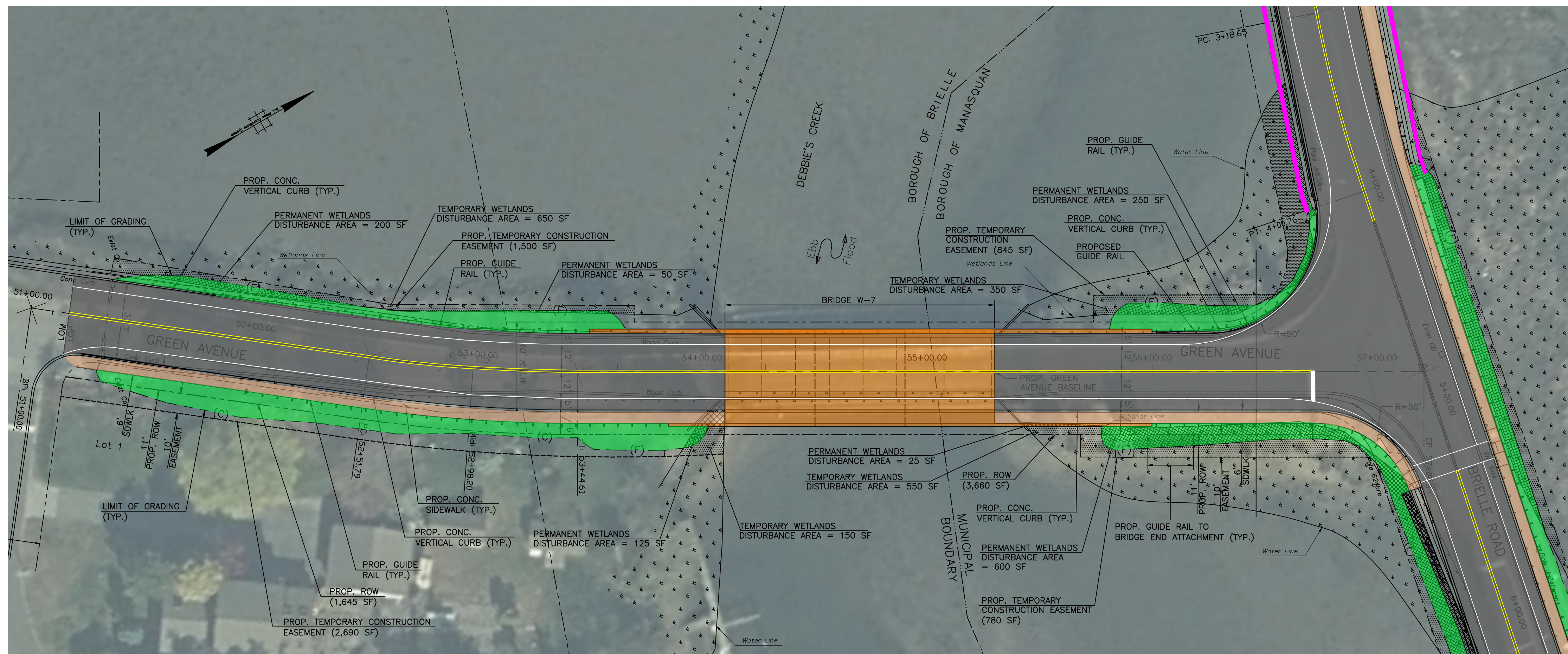
PROJECT GOALS AND OBJECTIVES

- PROVIDE ADA COMPLIANT PEDESTRIAN FACILITIES AND CROSSINGS WITH CONNECTIVITY
- REDUCE SAFETY RISKS FOR ALL USERS
- REDUCE FREQUENCY OF MAJOR BRIDGE MAINTENANCE ACTIVITIES
- MAINTAIN TRAFFIC WITH MINIMUM DISRUPTION DURING CONSTRUCTION
- AVOID OR MINIMIZE SOCIAL, ECONOMIC, AND ENVIRONMENTAL IMPACTS
- AVOID, MINIMIZE AND, IF NECESSARY, MITIGATE ADVERSE EFFECTS ON THE NATIONAL AND NJ REGISTER OF HISTORIC PLACES LISTED BRIDGE W-9
- INCORPORATE CONTEXT SENSITIVE SOLUTIONS APPROACH INTO THE DESIGN

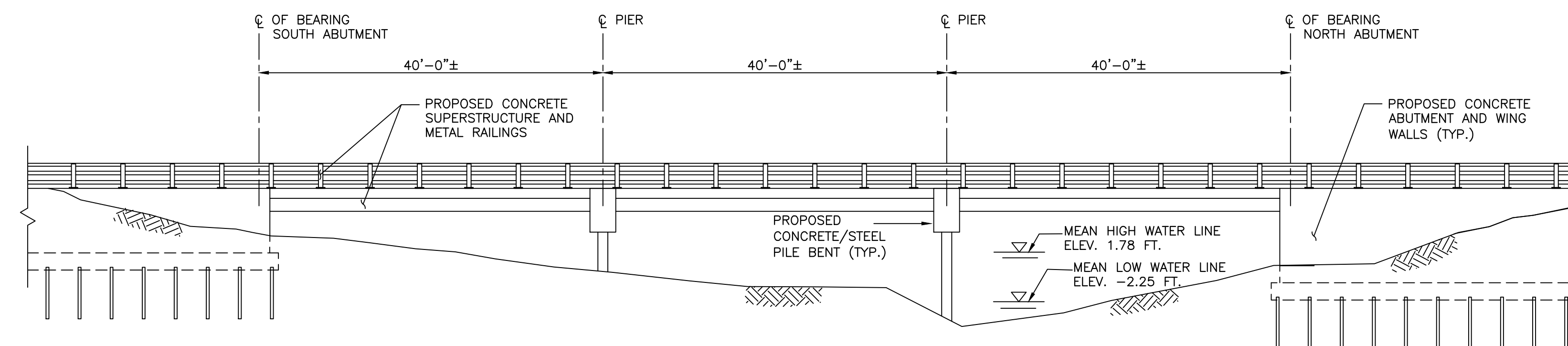
PROJECT DELIVERY PROCESS

PHASES	SCOPING	FINAL DESIGN	CONSTRUCTION
	Anticipated NEPA Decision: Early 2027	Anticipated: 2027 - 2029	Anticipated Duration: 2029 - 2031
MAJOR TASKS	Purpose and Need Statement	Environmental Re-evaluation	Complete Construction
	Data Collection & Environmental Screening	Environmental Permits	As-Built
	Alternative Analysis	Acquisition of ROW	Close-Out Documentation
	Prepare Environmental Studies	Construction Contract Documents and PS&E Package	
	Approved Environmental Document		
	Cost Estimate (Final Design, ROW, and Construction)		

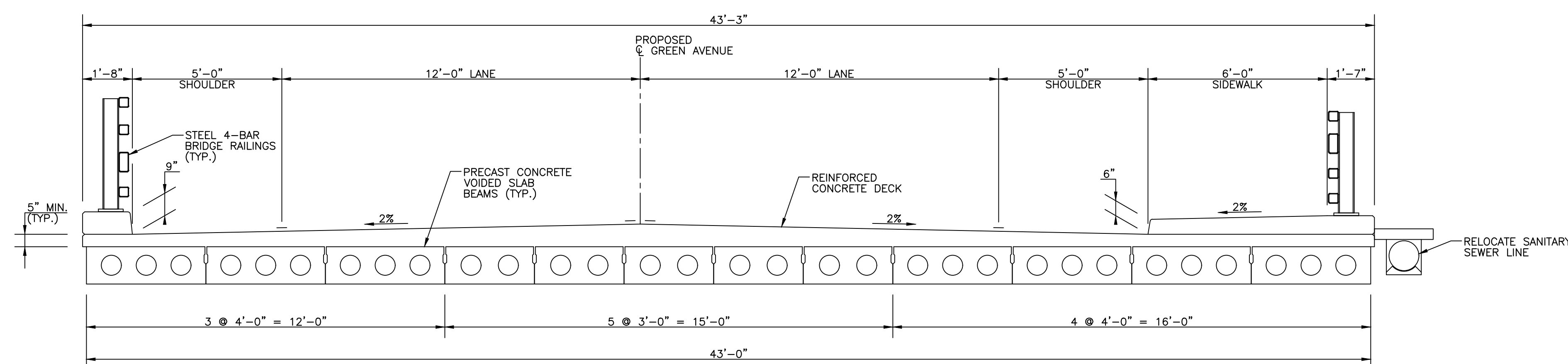
We are here



OVERALL PLAN



BRIDGE ELEVATION



BRIDGE SECTION

EXISTING CONDITIONS:

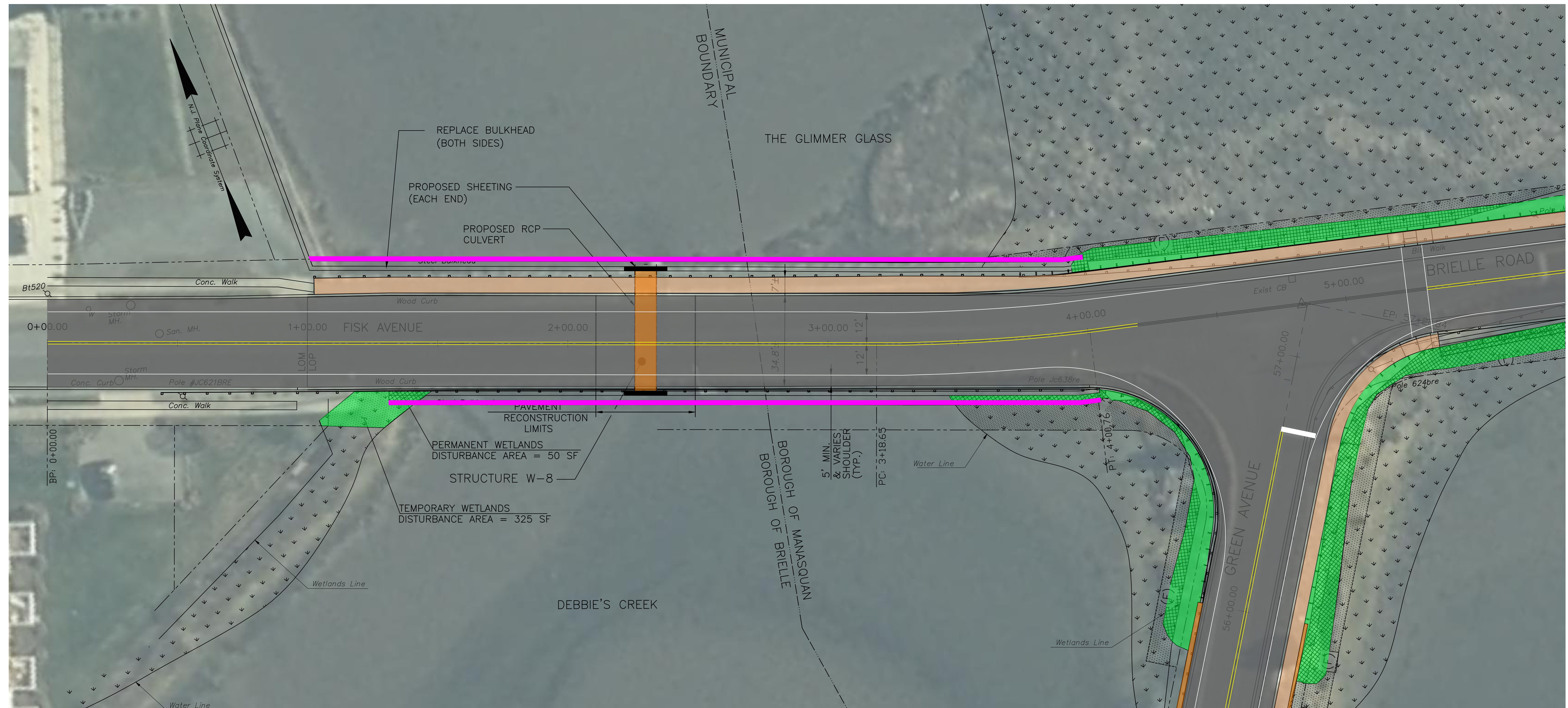
- NARROW BRIDGE ROADWAY WIDTH (21.7')
- SUBSTANDARD LIVE LOAD CAPACITY
- SUBSTANDARD RAILINGS
- 2023 NBIS REPORT SUFFICIENCY RATING OF 31.5 OF



PREFERRED ALTERNATIVE:

ALTERNATIVE 3: REPLACEMENT WITH A WIDER BRIDGE

- NEW WIDER CONCRETE SUPERSTRUCTURE WITH STANDARD WIDTH LANES, BICYCLE COMPATIBLE SHOULDERS AND STANDARD ADA COMPLIANT SIDEWALK
- NEW CONCRETE/STEEL SUBSTRUCTURES (REDUCED NUMBER)
- RECONSTRUCTED WIDER APPROACH ROADWAYS



OVERALL PLAN

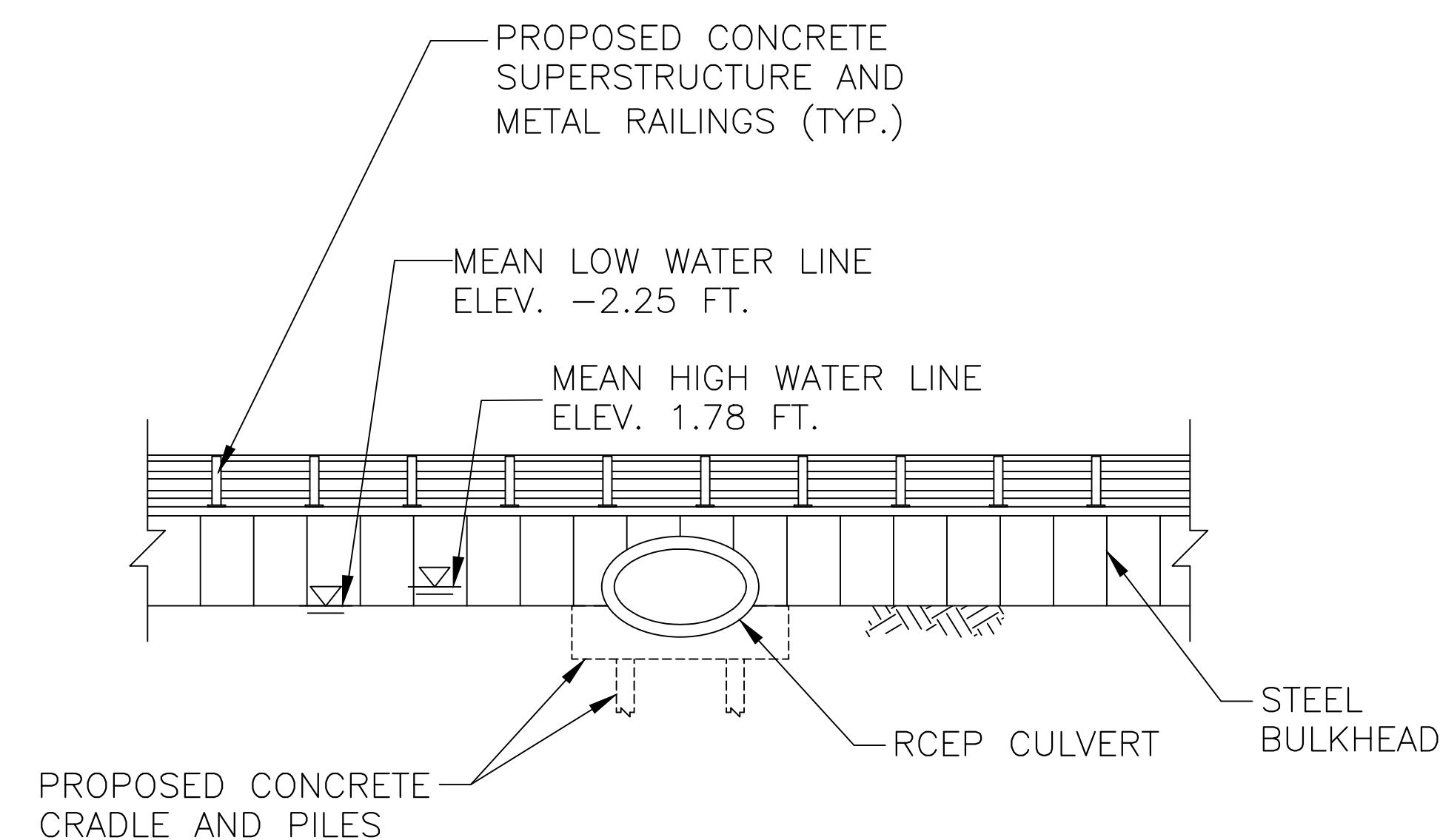
EXISTING CONDITIONS:

- CULVERT SUBMERGED AND PARTIALLY SILTED
- DETERIORATED STEEL SHEETING BULKHEAD AND CULVERT PIPE
- 2022 NBIS REPORT SUFFICIENCY RATING OF 63.6 OF 100

PREFERRED ALTERNATIVE:

ALTERNATIVE 4: REPLACEMENT OF CULVERT

- REPLACE EXISTING CULVERT WITH NEW CONCRETE CULVERT
- INSTALL NEW STEEL SHEETING AT EACH END
- RECONSTRUCT PAVEMENT AND SIDEWALK OVER CULVERT
- REPLACE STEEL BULKHEAD FULL LENGTH

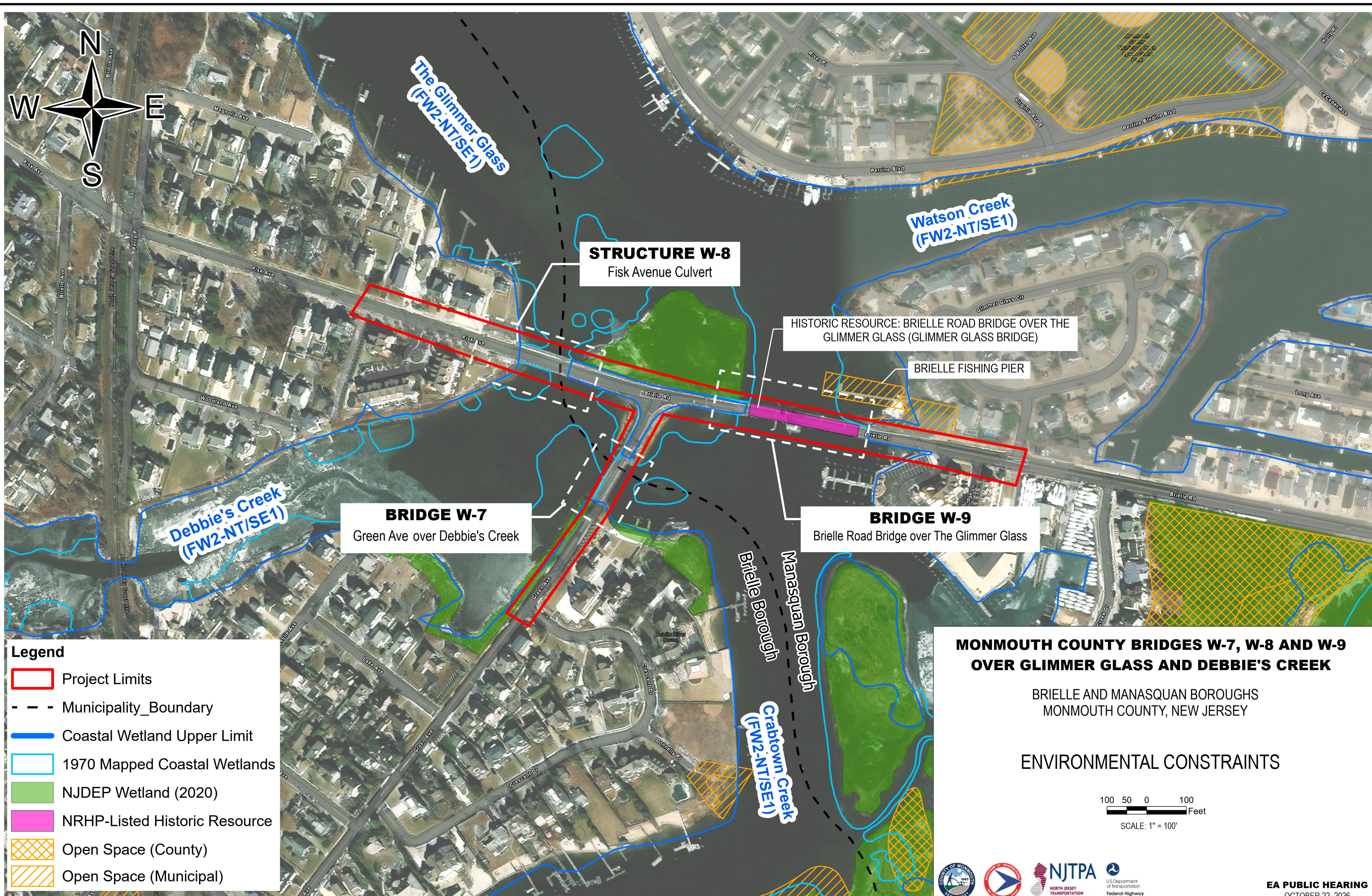


BRIDGE ELEVATION



STRUCTURE W-8: FISK AVENUE CULVERT

EA PUBLIC HEARING
OCTOBER 22, 2026



Legend

- Project Limits
- Municipality_Boundary
- Coastal Wetland Upper Limit
- 1970 Mapped Coastal Wetlands
- NJDEP Wetland (2020)
- NRHP-Listed Historic Resource
- Open Space (County)
- Open Space (Municipal)

**MONMOUTH COUNTY BRIDGES W-7, W-8 AND W-9
OVER GLIMMER GLASS AND DEBBIE'S CREEK**

BRIELLE AND MANASQUAN BOROUGH
MONMOUTH COUNTY, NEW JERSEY

ENVIRONMENTAL CONSTRAINTS

100 50 0 100
Feet
SCALE: 1" = 100'



EA PUBLIC HEARING
OCTOBER 22, 2026