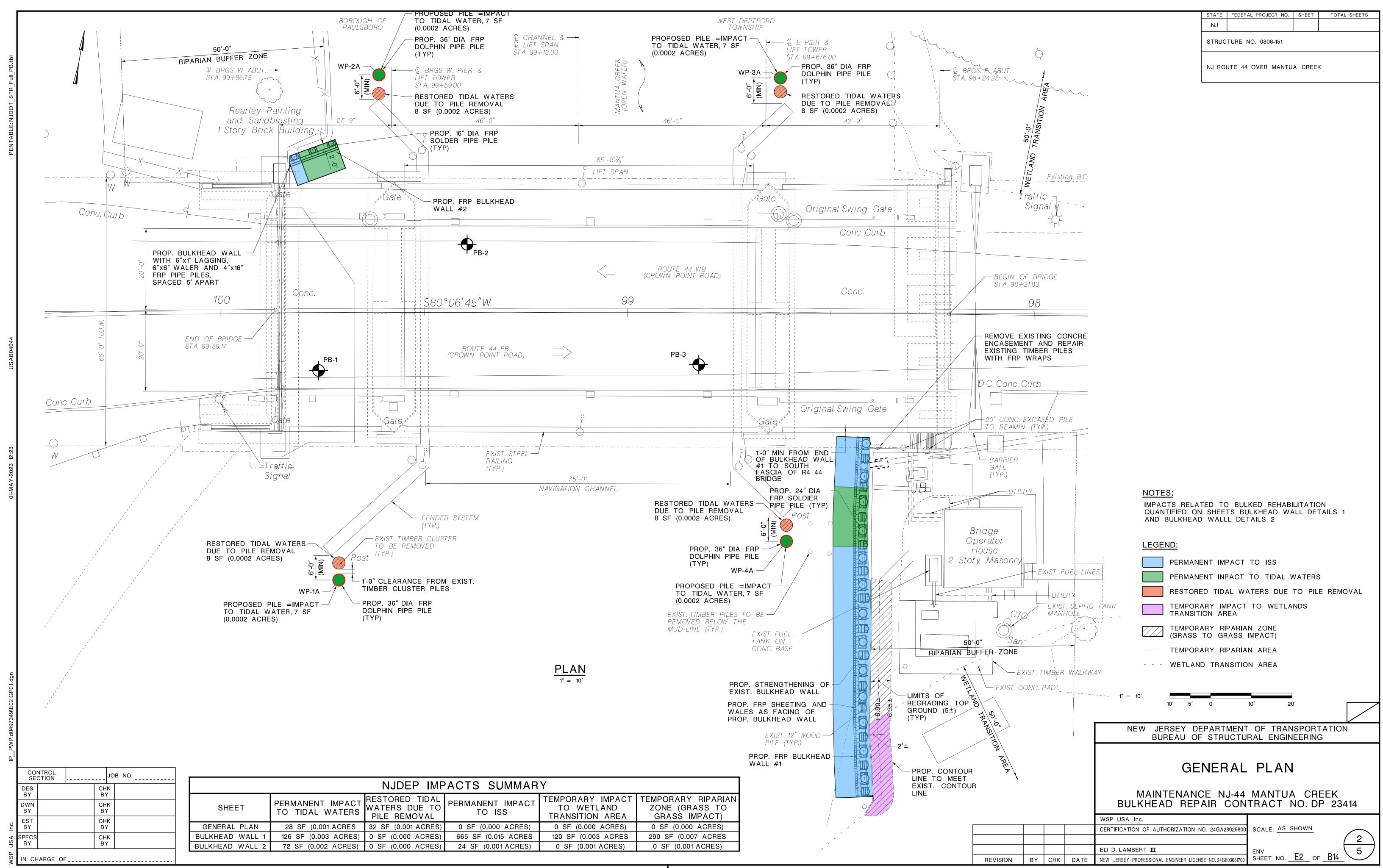
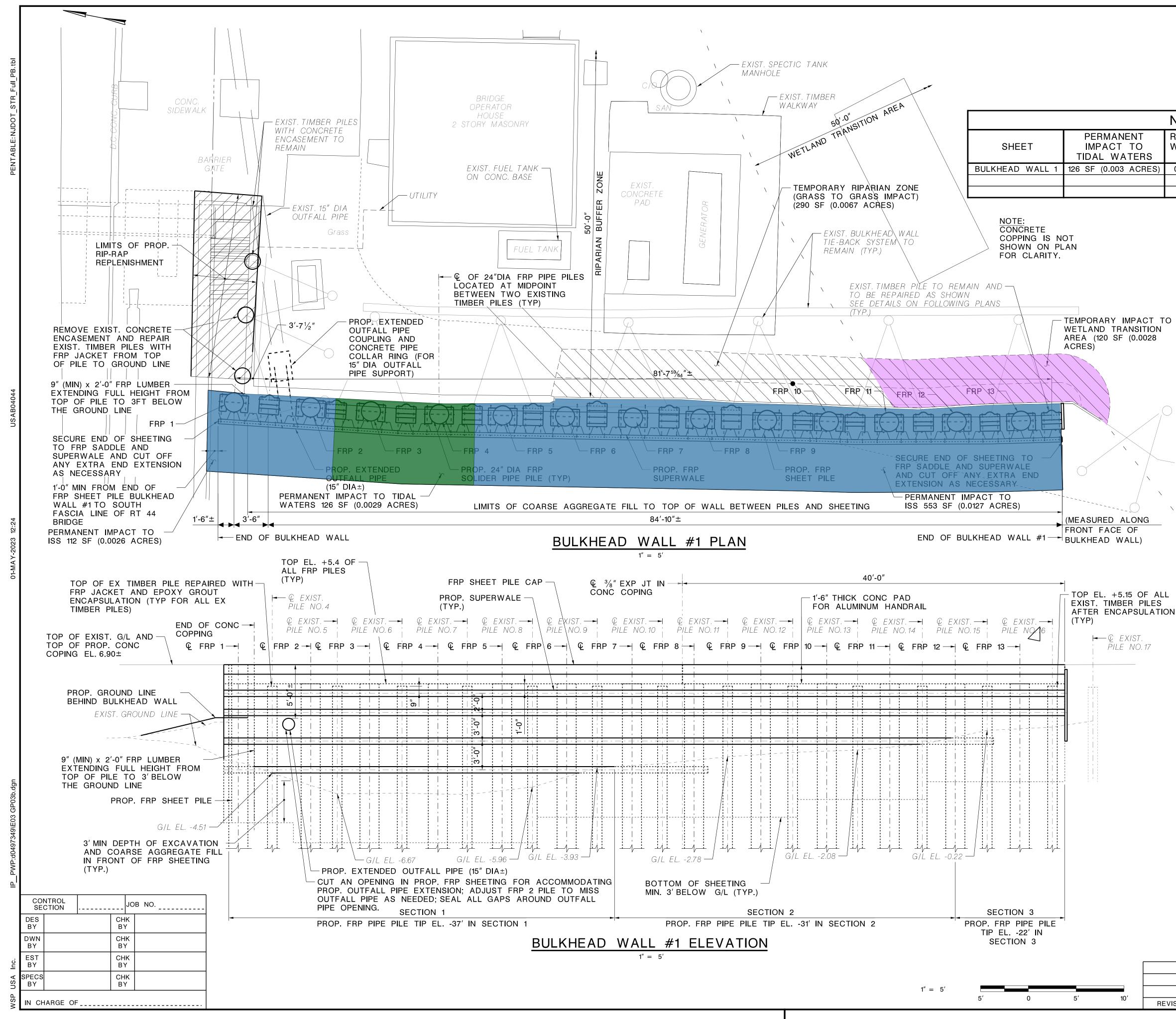


STANDARD ROADWAY CONSTRUCTION/TRAFFIC CONTROL/BRIDGE CONSTRUCTION DETAILS BOOKLET, 2016 AND STANDARD ELECTRICAL DETAILS BOOKLET, 2007 ARE APPLICABLE TO THIS PROJECT EXCEPT FOR THOSE DETAILS CONTAINED HEREIN.

Submitted by		
	JOHN LONGWORTH Director Operations Administrative Support	Date
Recommended for Approvalby		
	CHRISTOPHER FEINTHEL Senior Director Operations	Date
Approved by		
	ANDREW J. TUNNARD Assistant Commissioner Transportation Operations Systems & support	Date
Approved by		
	ERIC YERMACK State Transportation Engineer	Date





STATE	FEDERAL PROJECT NO.	SHEET	TOTAL SHEETS
NJ			
STRUC	TURE NO. 0806-151		

NJ ROUTE 44 OVER MANTUA CREEK

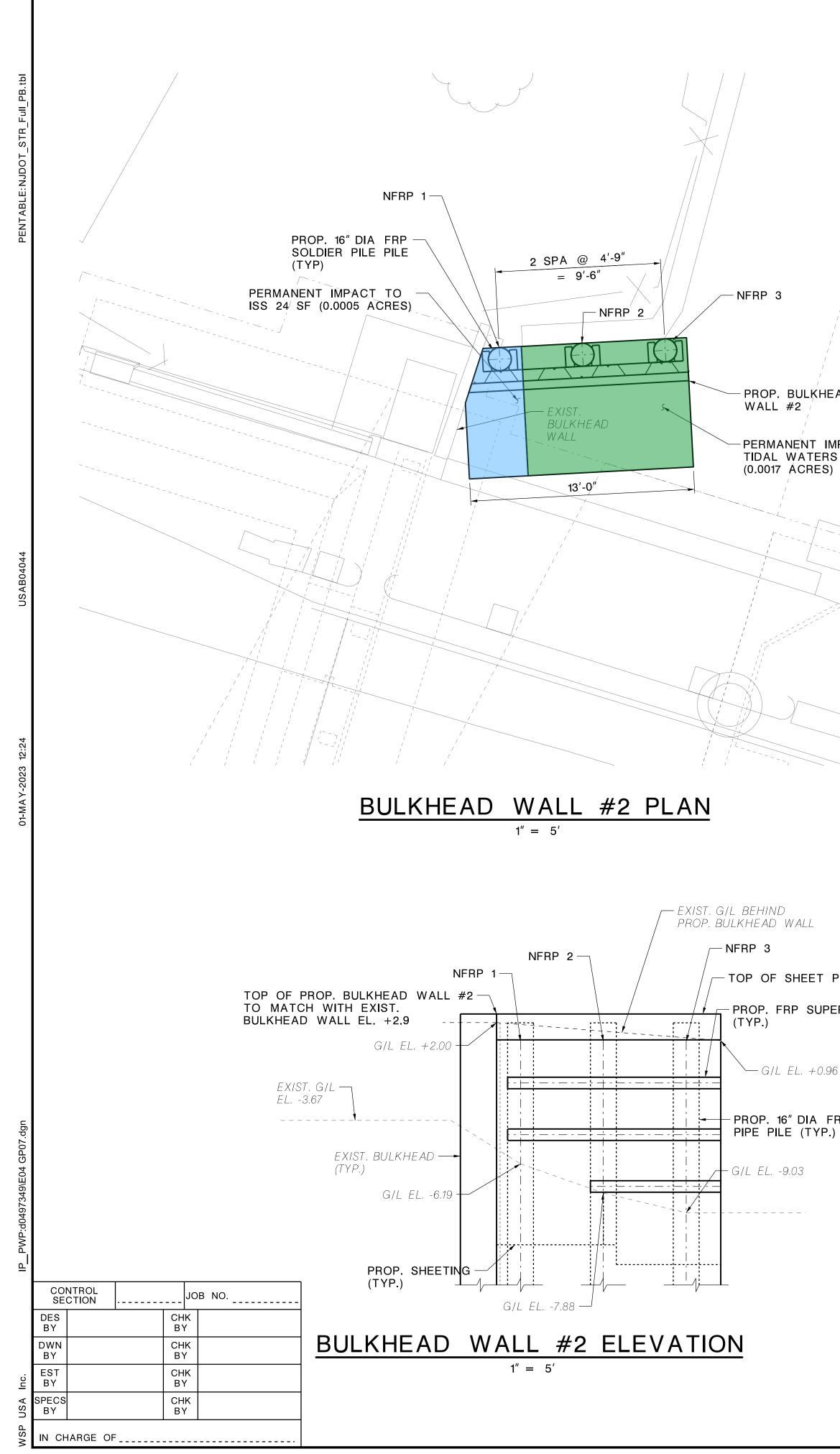
	NJDEP IMPAC			
ANENT CT TO WATERS	RESTORED TIDAL WATERS DUE TO PILE REMOVAL	PERMANENT IMPACT TO ISS	TEMPORARY IMPACT TO WETLAND TRANSITION AREA	TEMPORARY RIPARIAN ZONE (GRASS TO GRASS IMPACT)
003 ACRES)	0 SF (0.000 ACRES)	665 SF (0.015 ACRES)	120 SF (0.003 ACRES)	290 SF (0.007 ACRES)

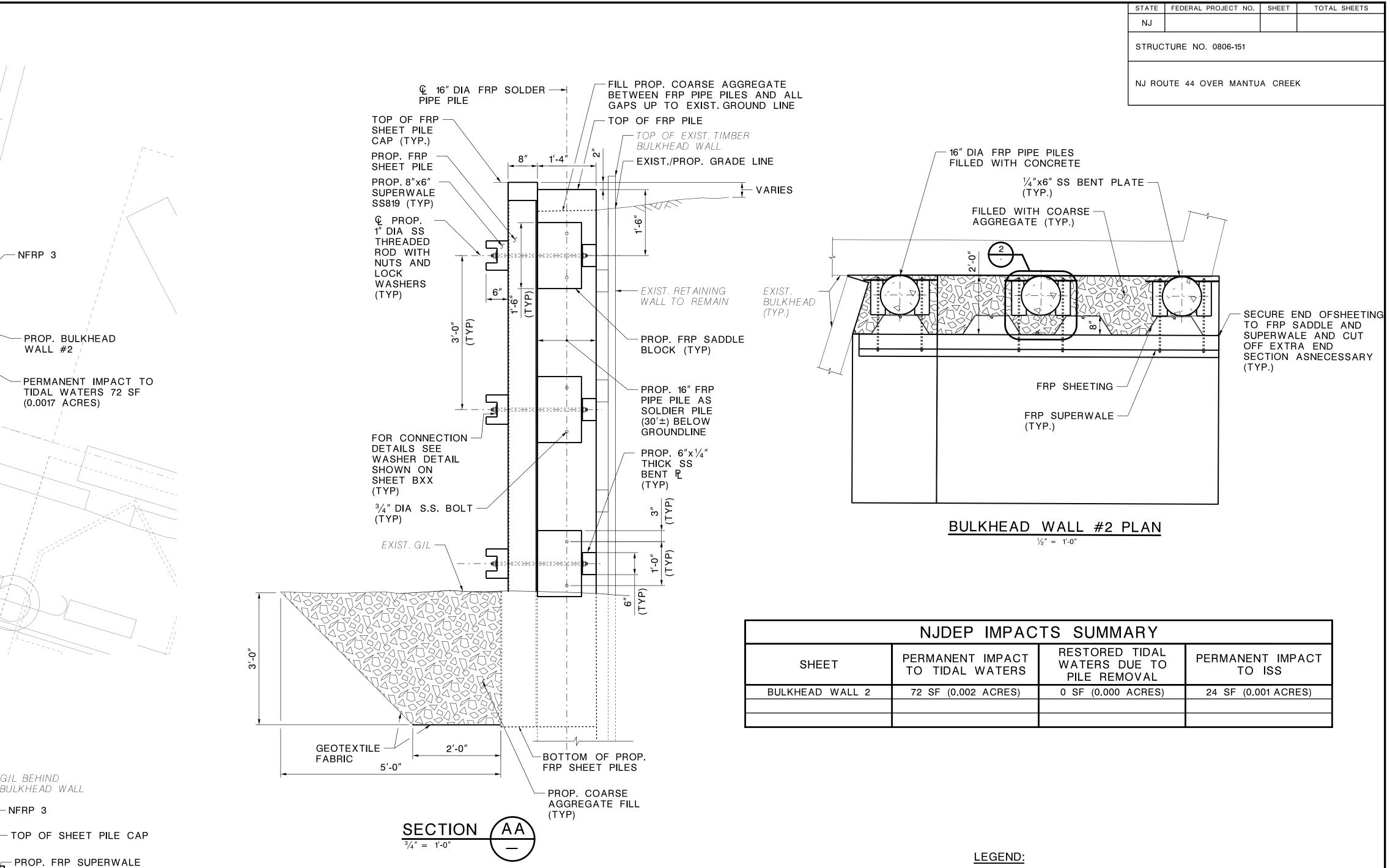
PILE NO. 17

PERMANENT IMPACT TO ISS
PERMANENT INPACT TO TIDAL WATERS
RESTORED TIDAL WATERS DUE TO PILE REMOVAL
TEMPORARY IMPACT TO WETLANDS TRANSITION AREA
(GRASS TO GRASS IMPACT)
TEMPORARY RIPARIAN AREA

- - - WETLAND TRANSITION AREA

					NEW JERSEY DEPARTMENT OF TRANSPORTATION BUREAU OF STRUCTURAL ENGINEERING		
					BULKHEAD WAL MAINTENANCE NJ-44 BULKHEAD REPAIR CON	MANTUA CREEK	
					WSP USA Inc.		
[					CERTIFICATION OF AUTHORIZATION NO. 24GA28029800		
[							
<b>1</b> 0'					ELI D. LAMBERT 🎞		
IU	REVISION	ΒY	СНК	DATE	NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. 24GE03631700	SHEET NO OF B14	

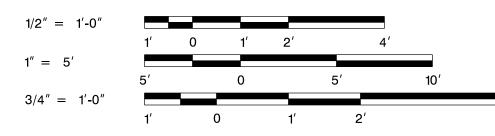




└── G/L EL. +0.96

- PROP. 16" DIA FRP PIPE PILE (TYP.)

- G/L EL. -9.03



NJDEP IMPACTS SUMMARY					
SHEET	PERMANENT IMPACT TO TIDAL WATERS	RESTORED TIDAL WATERS DUE TO PILE REMOVAL	PERMANENT IMPACT TO ISS		
BULKHEAD WALL 2	72 SF (0.002 ACRES)	0 SF (0.000 ACRES)	24 SF (0.001 ACRES)		



PERMANENT IMPACT TO ISS

PERMANENT INPACT TO TIDAL WATERS

RESTORED TIDAL WATERS DUE TO PILE REMOVAL

					NEW JERSEY DEPARTMENT BUREAU OF STRUCTU	OF TRANSPORTATION RAL ENGINEERING
					BULKHEAD WALI	_ DETAILS - 2
					MAINTENANCE NJ-44 BULKHEAD REPAIR CON	
					WSP USA Inc.	
					CERTIFICATION OF AUTHORIZATION NO. 24GA28029800	
					ELI D. LAMBERT III	ENV = $1 + 5$
	REVISION	BY	СНК	DATE	NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. 24GE03631700	SHEET NO. <u>E4</u> OF <u>B14</u>

