



OF CLASS A CONCRETE OR GROUT SHALL BE CONSIDERED INCIDENTAL TO THE LUMP SUM COST FOR REMOVAL OF EXISTING STRUCTURE. FACE OF EXISTING END BENT CAP AND BACKWALL SHALL BE ROUGHENED TO 1/4" MIN. AMPLITUDE PRIOR TO PLACEMENT OF PROPOSED END BENT CAP OR BACKWALL.

THE CONTRACTOR SHALL USE AN ADHESIVE ANCHOR SYSTEM FOR THE #9D1 DOWELS AND #4D2 DOWELS.LEVEL 1 FIELD TESTING IS REQUIRED. THE YIELD LOAD FOR #9D1 DOWELS IS 60.0 KIPS. THE YIELD LOAD FOR THE #4D2 DOWELS IS 12.0 KIPS. ADHESIVE ANCHOR SYSTEM SHALL DEVELOP 125% OF THE YIELD LOAD OF THE BAR.FOR ADHESIVELY ANCHORED BOLTS OR DOWELS, SEE SECTION 420-13 OF THE STANDARD SPECIFICATIONS.

STIRRUPS AND UI BARS IN CAP MAY BE SHIFTED AS NECESSARY TO CLEAR ANCHOR BOLTS. #5 V1 BARS IN BACKWALL SHALL BE PLACED 2"CLEAR FROM TOP OF BACKWALL. BACKWALL SHALL BE PLACED BEFORE APPLYING THE EPOXY PROTECTIVE COATING. THE TOP SURFACE OF THE END BENT CAP, EXCEPT THE BRIDGE SEAT BUILDUPS, SHALL BE SLOPED TRANSVERSELY FROM THE FILL FACE TO

THE FRONT FACE AT THE RATE OF 2%. THE TOP SURFACE AREAS OF THE END CAP SHALL BE CURED IN ACCORDANCE WITH THE STANDARD, EXCEPT THE MEMBRANE CURING COMPOUND METHOD SHALL NOT BE USED.

THE CONCRETE IN THE SHADED AREA OF THE WINGWALL SHALL BE POURED AFTER THE JOINT BETWEEN THE DECK AND THE APPROACH SLAB HAS BEEN SAWED AND PARAPET IS CAST IF SLIP FORMING IS USED. FOR WING DETAILS, SEE SHEET 2 OF 3.

DRAWN BY :M.L. CATER	DATE : <u>12/2022</u>
CHECKED BY :J.C. MORRISON	DATE : 12/2022
DESIGNED BY : M.L. CATER	DATE : <u>12/2022</u>
DESIGN CHECKED BY : J.C. MORRISON	DATE : <u>12/2022</u>

		PROJE		•	<u>U-5748</u>		
		WAKE ( STATION:24+88.00				COUNTY -L-	
		SHEET 3	OF 3				
	AECOM TECHNICAL SERVICES OF NC, INC. 5438 WADE PARK BOULEVARD, SUITE 200 RALEIGH, NC 27607 (919) 854-6200 www.aecom.com AECOM License No. F-0342	DEPARTMENT OF TRANSPORTATION RALEIGH SUBSTRUCTURE END BENT 1 (NORTHBOUND LANES)					
	NORTH CAROLINA THE THE CAROLINA THE THE CAROLINA THE CAROLINA THE						
	SEAL 030474						
	SEAL 030474	REVISIONS SHEET NO. NO. BY: DATE: NO. BY: DATE: S1-38					
IDERED LL ETED	John C. Morrison 2/10/2023 A2FDE142C82F4AB	1	DATE	3 4	DATE.	TOTAL SHEETS 119	

<u>A</u>