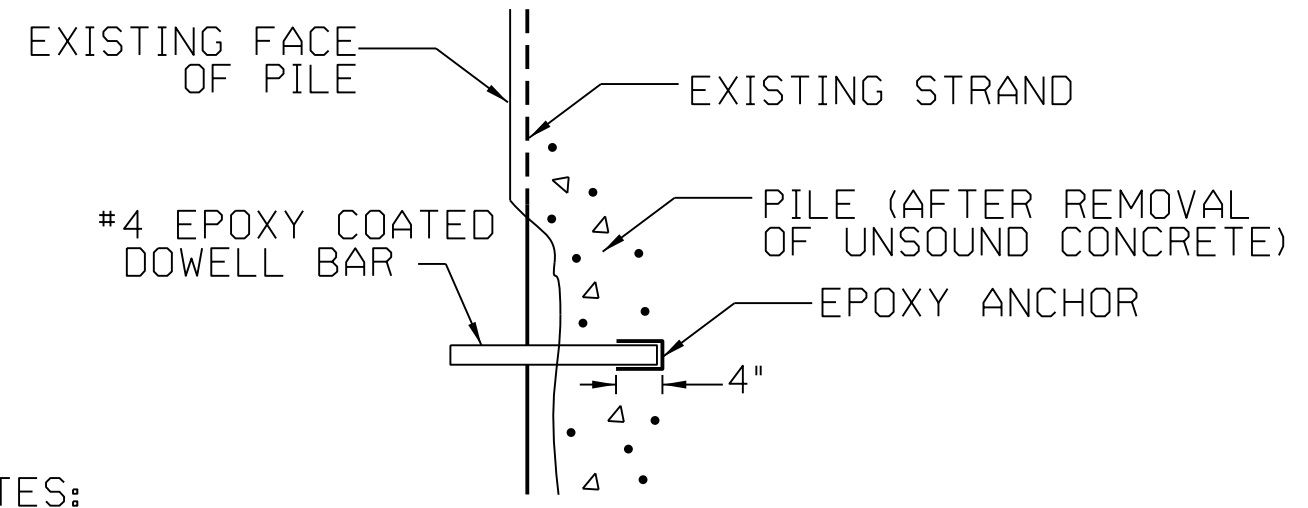
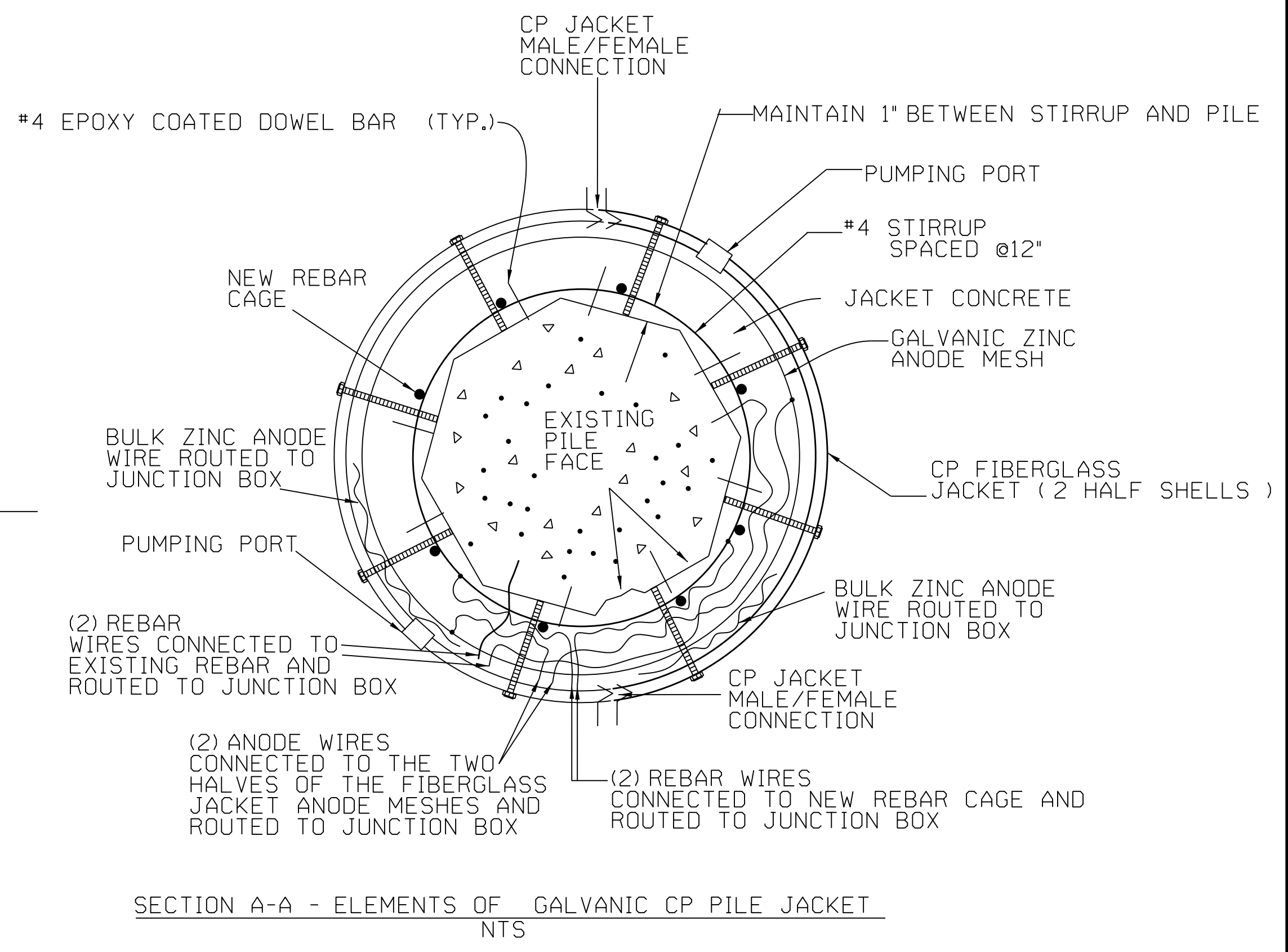


AT LOW WATER BENTS, IF THERE IS NO SPACE FOR JUNCTION BOX ABOVE THE JACKET ON THE PILE, JUNCTION BOX SHALL BE INSTALLED WITHIN 6" OF THE EDGE OF THE PILE ON THE BOTTOM OF THE FOOTER.



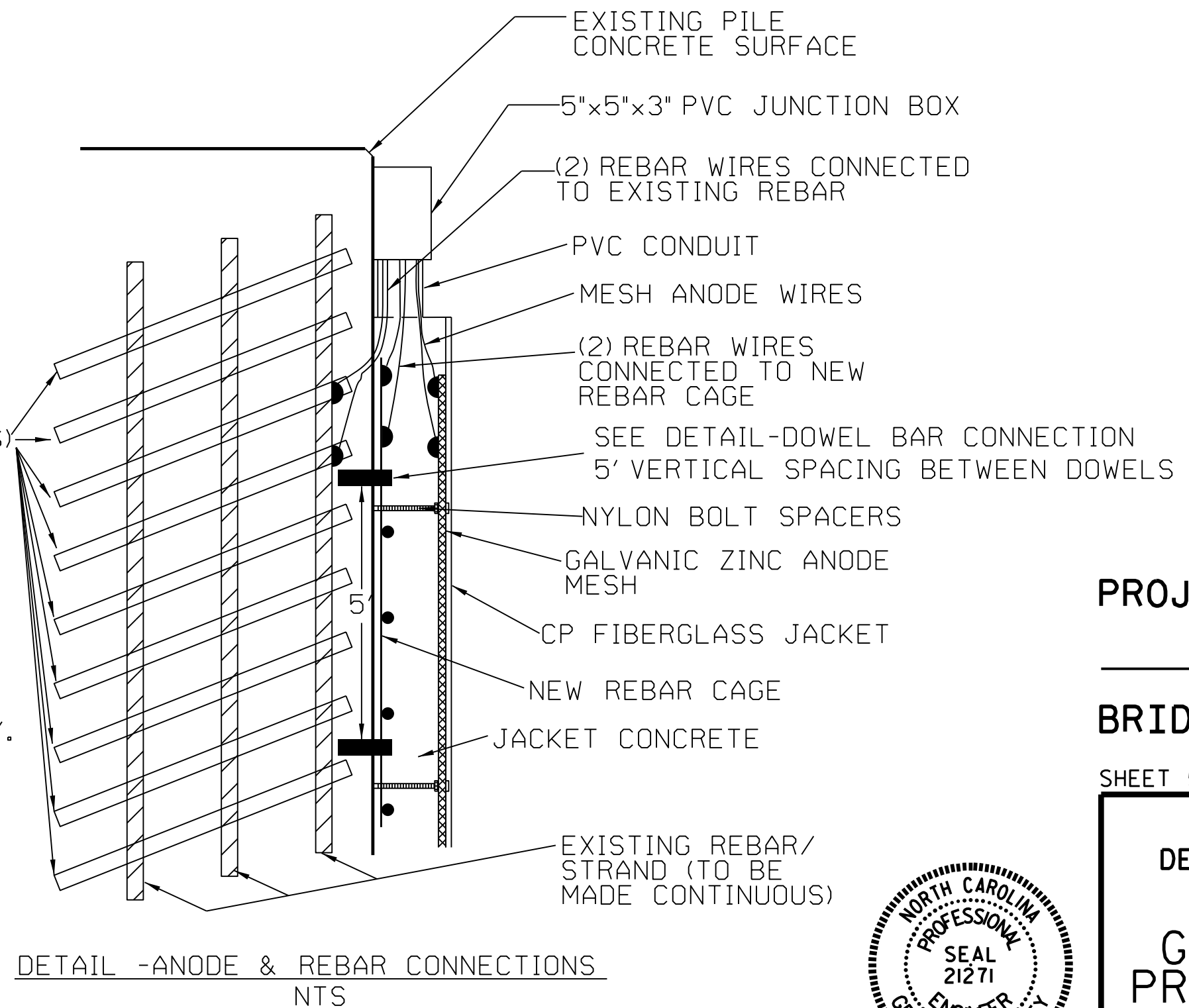
- NOTES:
1. EMBED DOWEL WITH EPOXY AT A POINT WHERE STRAND IS INTACT AND CONTINUOUS WITH THE PILE LENGTH EXTENDING FROM THAT PARTICULAR END OF THE JACKET. MAINTAIN ELECTRICAL ISOLATION BETWEEN DOWEL AND EXISTING PILE REINFORCEMENT.
 2. WIRE TIE ALL INTERSECTIONS OF REINFORCING CAGE AND DOWEL BARS.



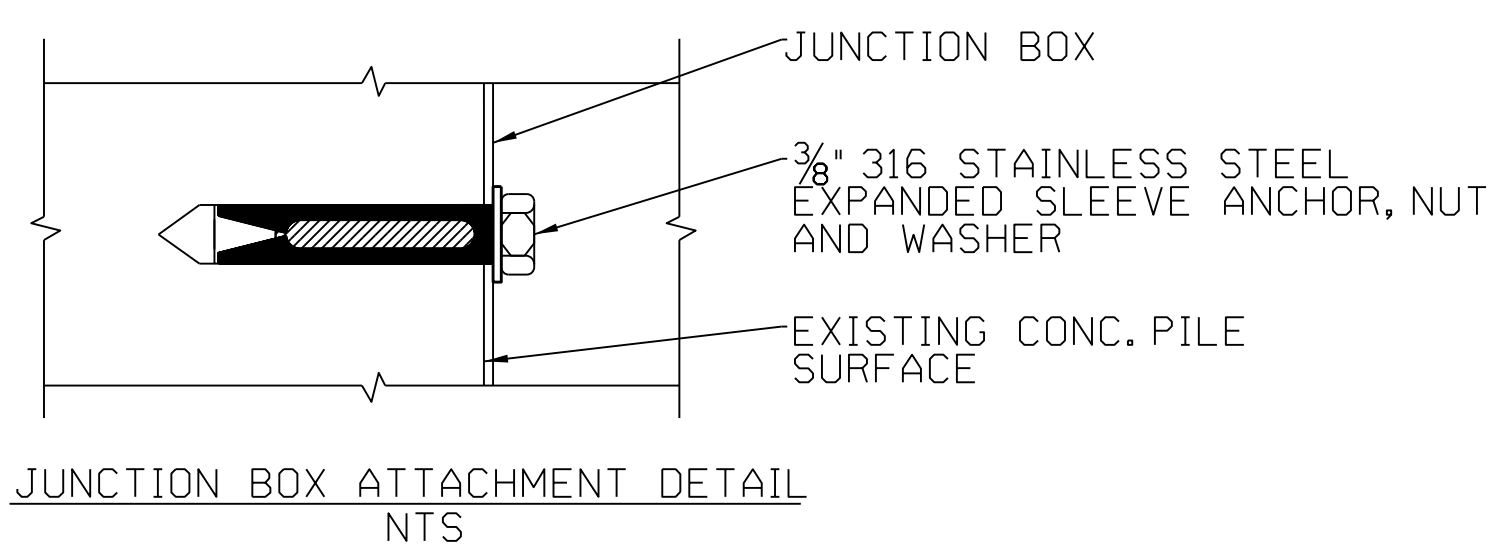
NOTE: CLAMPS AROUND FIBERGLASS FORM NOT SHOWN FOR CLARITY

- NOTES:
1. FOR "GALVANIC CATHODIC PROTECTION INTEGRAL PILE JACKET", SEE SPECIAL PROVISION.
 2. TYPICAL GALVANIC JACKET DETAIL APPLIES TO ALL PILES DENOTED IN PLANS.
 2. THE CONTRACTOR MAY NEED TO TRIM THE JACKET TO FIT AROUND THE PILES.
 3. THE CONTRACTOR SHALL INSTALL JUNCTION BOXES FOR CP WIRES ON THE SAME FACE ON ALL PILES.
 4. THE CONTRACTOR SHALL POSITION THE JACKET SUCH THAT THE ANODE WIRE FROM TWO HALVES OF THE JACKET ARE ON THE SAME FACE AS THE REBAR WIRES.
 5. INTERLOCKING JOINTS SHALL BE SEALED WITH EPOXY WHICH IS SUITABLE FOR UNDERWATER APPLICATION AND SHALL ALSO ACHIEVE MINIMUM BOND STRENGTH OF 150 PSI WITH THE JACKET CONCRETE AND CONCRETE.
 6. THE WATERTIGHT SEAL AT THE BOTTOM OF THE JACKET IS TEMPORARY. AFTER THE MORTAR/CONCRETE FILL HAS CURED, THE WATERTIGHT SEAL SHALL BE REMOVED AND THE BOTTOM OF THE JACKET SHALL BE EXPOSED TO WATER.
 7. ALL CONDUITS AND JUNCTION BOXES FOR GCP JACKETS SHALL BE SCHEDULE 80 SUNLIGHT RESISTANT PVC.

DETAIL DOWEL BAR CONNECTION NTS



- NOTES:
1. REBAR AND MESH ANODE WELD CONNECTIONS SHALL BE COVERED IN EPOXY.
 2. BULK ANODE WIRES NOT SHOWN FOR CLARITY.



NOTE: PROVIDE FASTENER WITH MINIMUM 500 LBS. PULLOUT AND 500 LBS. CAPACITY.

PROJECT NO. B-5939
CARTERET COUNTY
 BRIDGE NO. 6

SHEET 5 OF 7

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 GALVANIC CATHODIC PROTECTION INTEGRAL PILE JACKET DETAILS



REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			S2-66
2			4			

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CHECKED BY : G.W.DICKEY DATE : 2/2017

DRAWN: KE 12/29/16
 CHECKED: SV 12/29/16

Siva Corrosion Services, Inc.
 NDT • Corrosion • Materials
 www.SivaCorrosion.com
 1313 Wilmington Pike Suite 2B
 West Chester, PA 19380-19383
 P(610) 692-6551