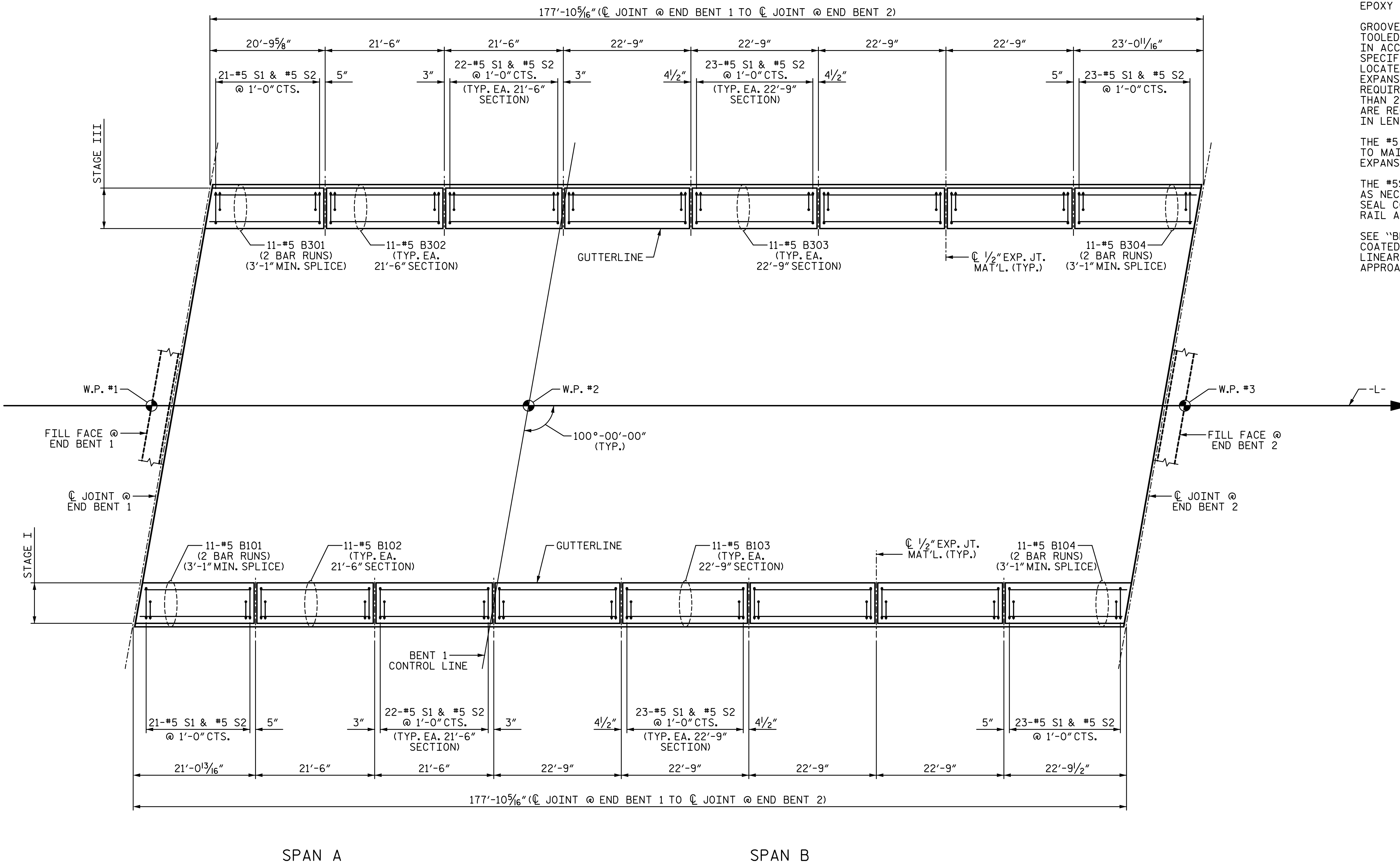


3/18/2022 11:06:32 AM G:\Projects\2020\Division 6 (Mott Mac - NV5)\I-5987B\Structures\Site 9 (L over Little Marsh Swamp)\Drawings\Final\I5987B_SMU_BR_770164.dgn



NOTES:

THE BARRIER RAIL SHALL NOT BE CAST IN A CONTINUOUS UNIT UNTIL ALL SLAB CONCRETE IN THE UNIT HAS BEEN CAST AND HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

ALL REINFORCING STEEL IN BARRIER RAILS SHALL BE EPOXY COATED.

GROOVED CONTRACTION JOINTS, 1/2" IN DEPTH, SHALL BE TOOLED IN ALL EXPOSED FACES OF THE BARRIER RAIL AND IN ACCORDANCE WITH ARTICLE 825-10(B) OF THE STANDARD SPECIFICATIONS. THE CONTRACTION JOINT SHALL BE LOCATED AT EACH THIRD POINT BETWEEN BARRIER RAIL EXPANSION JOINTS. ONLY ONE CONTRACTION JOINT IS REQUIRED AT MIDPOINT OF BARRIER RAIL SEGMENTS LESS THAN 20 FEET IN LENGTH AND NO CONTRACTION JOINTS ARE REQUIRED FOR THOSE SEGMENTS LESS THAN 10 FEET IN LENGTH.

THE #5 S1 AND S2 BARS MAY BE SHIFTED AS NECESSARY TO MAINTAIN 2" MINIMUM CLEARANCE TO THE 1/2" EXPANSION JOINT MATERIAL.

THE #5S1 BARS MAY BE SHIFTED SLIGHTLY OR FIELD BENT AS NECESSARY IN ORDER TO CLEAR THE EXPANSION JOINT SEAL COVER PLATE ASSEMBLY IN THE CONCRETE BARRIER RAIL AT THE END BENTS.

SEE "BRIDGE APPROACH SLAB" SHEET 3 OF 3 FOR EPOXY COATED REINFORCING STEEL, CLASS AA CONCRETE AND LINEAR FEET QUANTITIES FOR BARRIER RAILS ON THE APPROACH SLABS.

PROJECT NO. I-5987B
ROBESON COUNTY
 STATION: 803+15.00 -L-

SHEET 1 OF 2

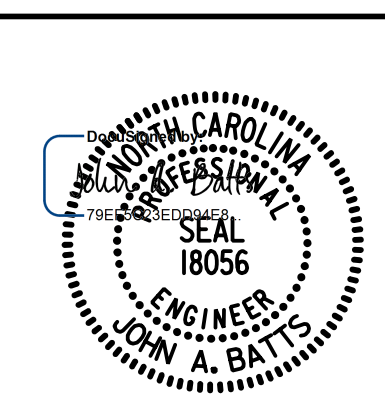
STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE

CONCRETE BARRIER RAIL



5640 Dillard Drive, Suite 200
 Cary, NC 27518

LICENSURE NO. C-4434



3/21/2022

DRAWN BY: S.D. COOPER	DATE: 3-22
CHECKED BY: J.A. BATTS	DATE: 3-22
DESIGN ENGINEER OF RECORD: J.A. BATTS	DATE: 3-22

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S9-34
1			3			TOTAL SHEETS
2			4			69

**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**