PROJECT REFERENCE NO.	SHEET NO.
HB-0003	2G-1

GEOTECHNICAL ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 031361 ENGINEER SHIPING YANG

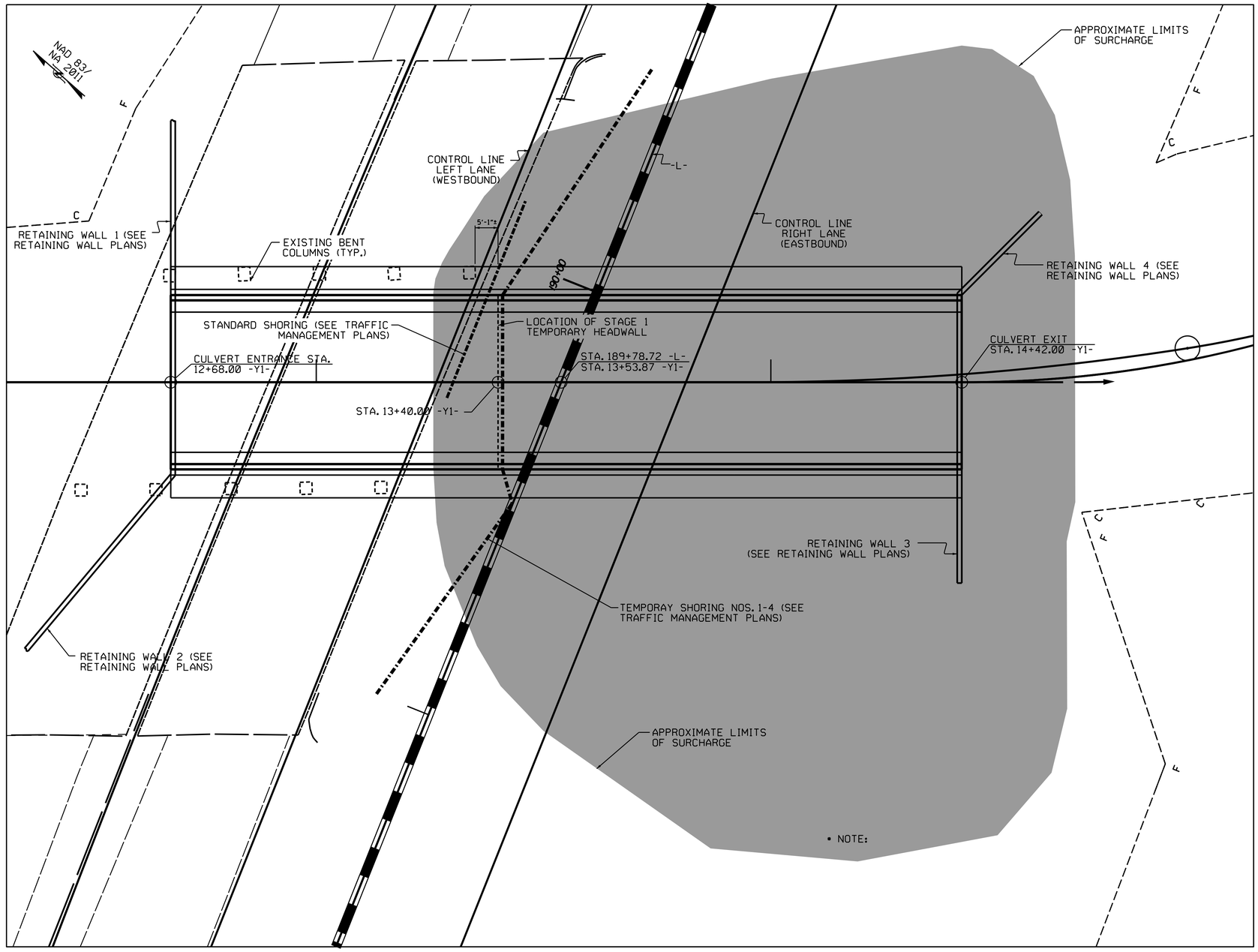
DocuSigned by: Shiping Yang 7A7310E67F76411... 05/06/2024

SIGNATURE DATE

ENGINEER

SIGNATURE DATE

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



STAGE 1 PLAN VIEW

ACTUAL FOOTING AND PEDESTAL DIMENSIONS TO BE DESIGNED BY THE CONTRACTOR. ESTIMATED SIZES SHOWN ARE FOR BIDDING PURPOSES ONLY.

INDICATES ESTIMATED LIMITS ON SURCHARGE

Stage 1 Sequence:

1) Install 4 settlement gauges to monitor surcharge settlement in accordance to NCDOT Standard 235.01. Operations Engineer and contractor to determine locations at the time of construction.
2) Install settlement points at each bent of existing East bound bridge.
3) Place surcharge fill to the limits shown on plans.
4) Monitor settlement until a acceptable rate is observed, Operation Engineer will release the removal of Surcharge at this time. If excessive settlement or movement of the existing bridge is observed then remove surcharge fill beneath the existing structure. Provide settlement reading to the NCDOT Operations Engineer on a bi-weekly basis.
5) Remove surcharge and construct Stage 1 Tunnel, Retaining Wall Nos. 3 and 4, Standard Shoring and Temporary shoring no. 1-4.

STAGE 1 SURCHARGE QUANTITIES	
BORROW EXCAVATION	18,900 YD
UNCLASSIFIED EXCAVATION	18,900 YD
EMBANKMENT SETTLEMENT GAUGES	4 EA

PREPARED BY:	MHS	DATE:	12/23
REVIEWED BY:	SY/SCC	DATE:	12/23

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

GEOTECHNICAL ENGINEERING UNIT

SURCHARGE PLAN VIEW STAGE 1

REVISIONS

NO.	BY	DATE	NO.	BY	DATE
1	-	-	3	-	-
2	-	-	4	-	-