

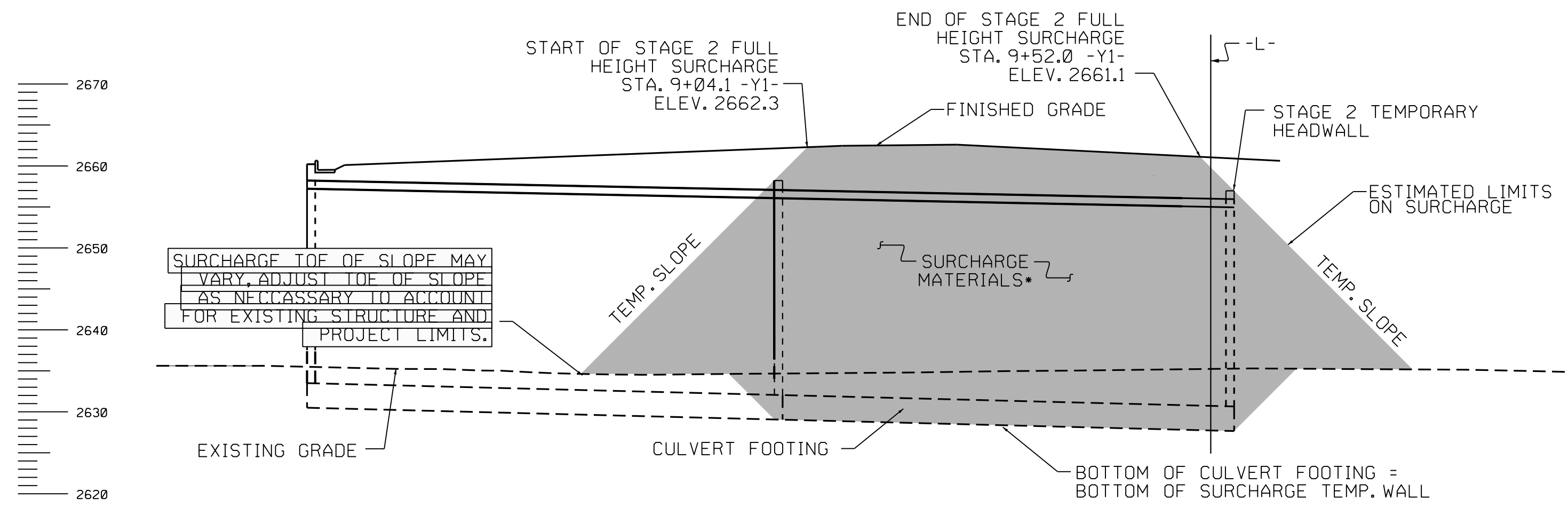
STAGE 2 SURCHARGE PLAN VIEW

- Stage 2 Sequence:
- 1) Demolish Existing West bound bridge, including removal of the existing columns and footings
 - 2) Construct Temporary Shoring Nos. 6 and 7.
 - 3) Construct Surcharge Temporary MSE Wall Nos. 3 and 4.
 - 4) Install 4 settlement gauges to monitor surcharge settlement in accordance with NCDOT Standard 235.01. Operations Engineer and contractor to determine locations at the time of construction.
 - 5) Install settlement points at each bent of existing East bound bridge.
 - 5) Place surcharge fill to the limits shown on plans.
 - 6) 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.
 - 7) Remove surcharge and construct Stage 2 Tunnel and Temporary Shoring No. 10, consecutively.

STAGE 2 SURCHARGE QUANTITIES

SURCHARGE TEMP. MSE WALL NO. 3	1,650 SF
SURCHARGE TEMP. MSE WALL NO. 4	1,770 SF
BORROW EXCAVATION	5,800 CY
UNCLASSIFIED EXCAVATION	5,800 CY
EMBANKMENT SETTLEMENT GAUGES	4 EA

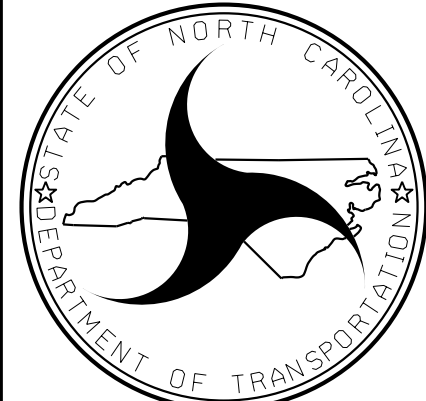
 INDICATES ESTIMATED LIMITS ON SURCHARGE



STAGE 2 SURCHARGE PROFILE

• FOR SURCHARGE SEE STANDARD SPECIFICATION SECTION 235 EMBANKMENTS

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


 NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

 GEOTECHNICAL
 ENGINEERING UNIT

SURCHARGE
PLAN & PROFILE VIEWS
STAGE 2

REVISIONS				
NO.	BY	DATE	ING.	DATE
1	MHS	2/24	3	
2			4	