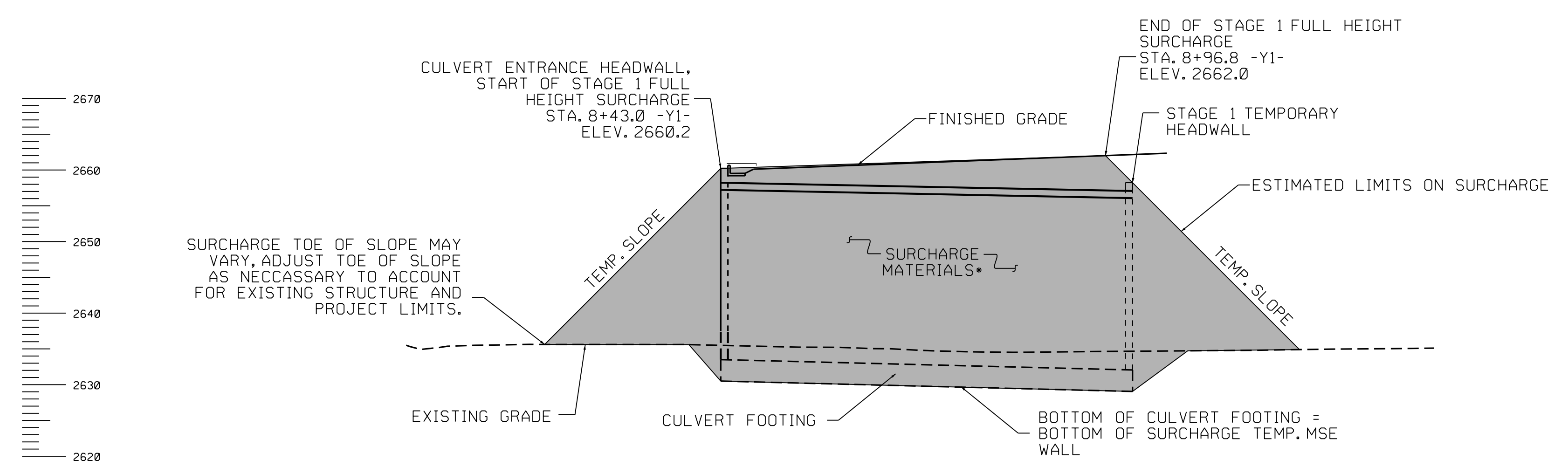


- Stage 1 Sequence:
- 1) Construct Temporary Shoring Nos.1 and 2.
 - 2) Excavate for Surcharge Temporary Wall Nos.1 and 2 and Temporary Shoring Nos.3 and 4.
 - 3) Construct Surcharge Temp. MSE Wall, Retaining Wall Nos. 1 and 2 and Temp. Shoring Nos 3 and 4. When backfill for Temporary MSE Wall fills overlaps with the reinforced zone of Permanent MSE Walls, use the Permanent MSE Walls backfill material required for retaining walls in the reinforced zone of the Temporary Walls.
 - 4) 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.
 - 5) Install settlement points at each bent of existing West bound bridge.
 - 6) Place surcharge fill to the limits shown on plans.
 - 7) 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.
 - 8) Remove surcharge and construct Stage 1 Tunnel and Temporary Shoring No. 5, consecutively.

- Revisions:
- 1) Revision 1 - Includes Phase 1 termination and Temporary Shoring Location Nos.1, 3, and 5 being moved closer to the existing WBL Bridge.
 - 2) Revision 2 - Note 3 correction.

STAGE 1 SURCHARGE QUANTITIES	
SURCHARGE TEMP. MSE WALL NO. 1	1,884 SF
SURCHARGE TEMP. MSE WALL NO. 2	2,290 SF
BORROW EXCAVATION	6,140 CY
UNCLASSIFIED EXCAVATION	6,140 CY
EMBANKMENT SETTLEMENT GAUGES	4 EA

 INDICATES ESTIMATED LIMITS ON SURCHARGE



STAGE 1 SURCHARGE PROFILE VIEW
 • FOR SURCHARGE SEE STANDARD SPECIFICATION SECTION 235 EMBANKMENTS