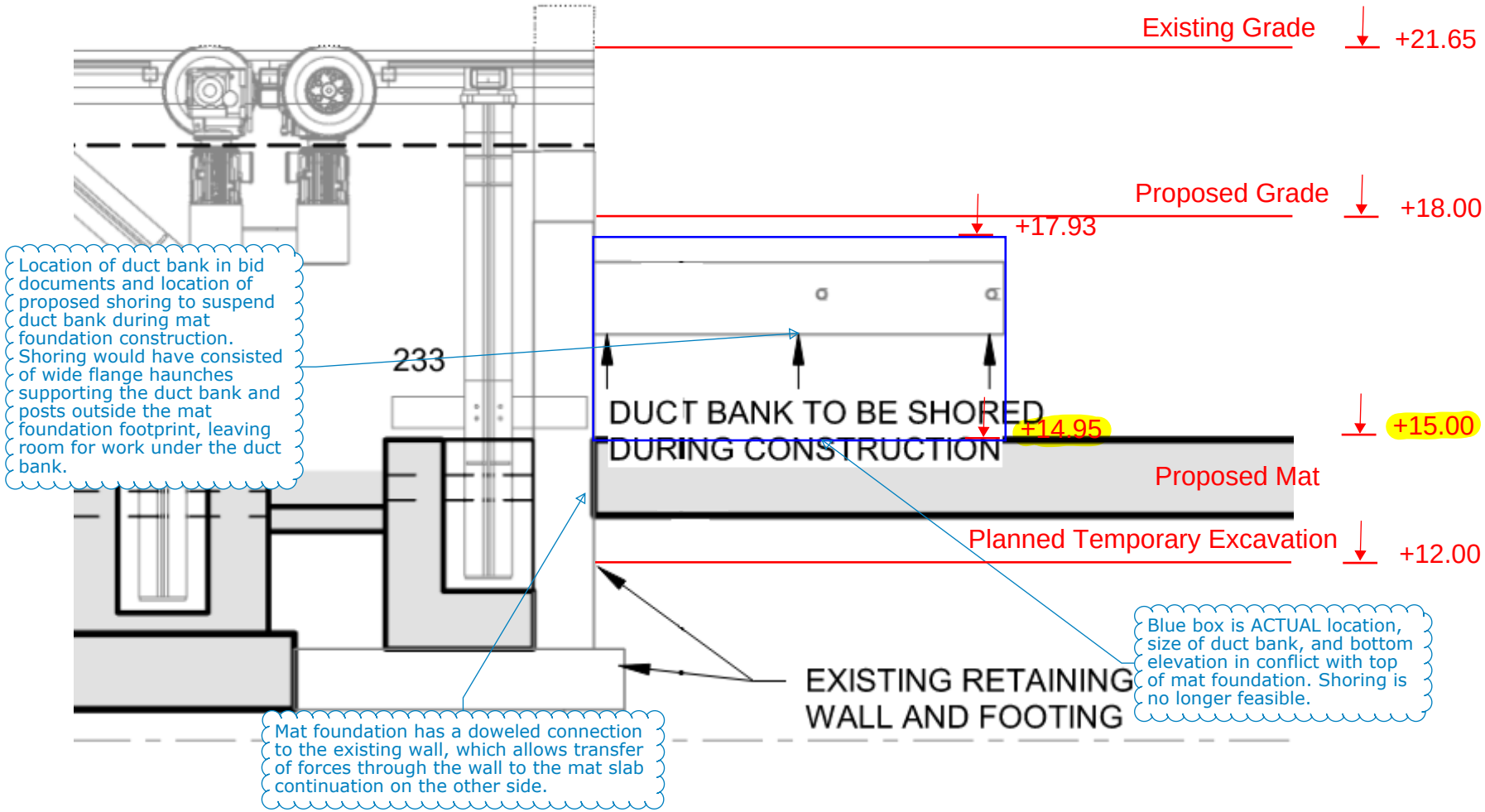
Existing Grade
+21.65
Proposed Grade
+18.00
+17.93
Location of duct bank in bid documents and location of proposed shoring to suspend duct bank during mat foundation construction. Shoring would have consisted of wide flange haunches supporting the duct bank and posts outside the mat foundation footprint, leaving room for work under the duct bank.
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DUCT BANK TO BE SHORED DURING CONSTRUCTION
+14.95
+15.00
Proposed Mat
Planned Temporary Excavation
+12.00
Blue box is ACTUAL location, size of duct bank, and bottom elevation in conflict with top of mat foundation. Shoring is no longer feasible.
EXISTING RETAINING WALL AND FOOTING
Mat foundation has a doweled connection to the existing wall, which allows transfer of forces through the wall to the mat slab continuation on the other side.

SK-1/S02.306