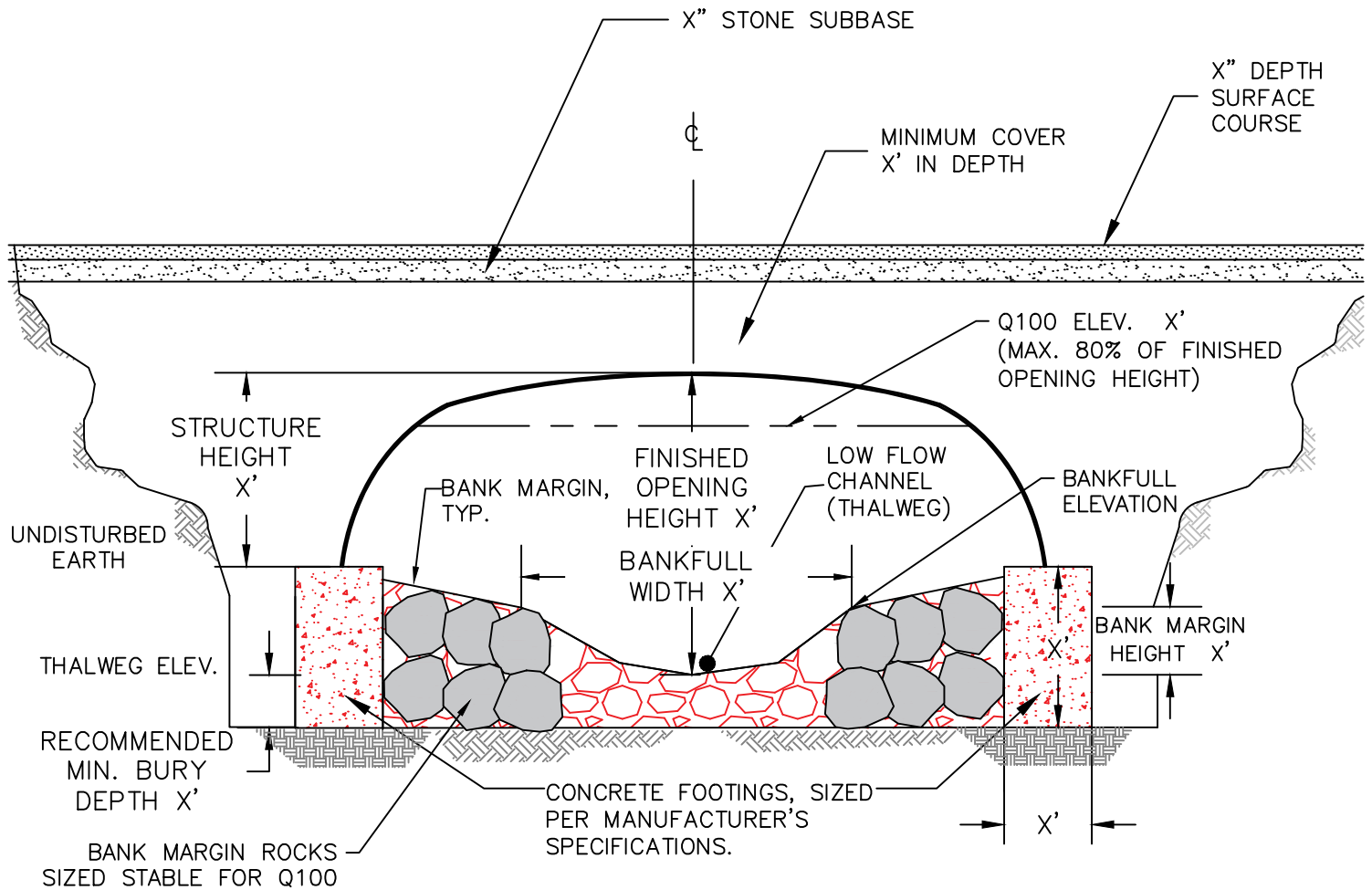


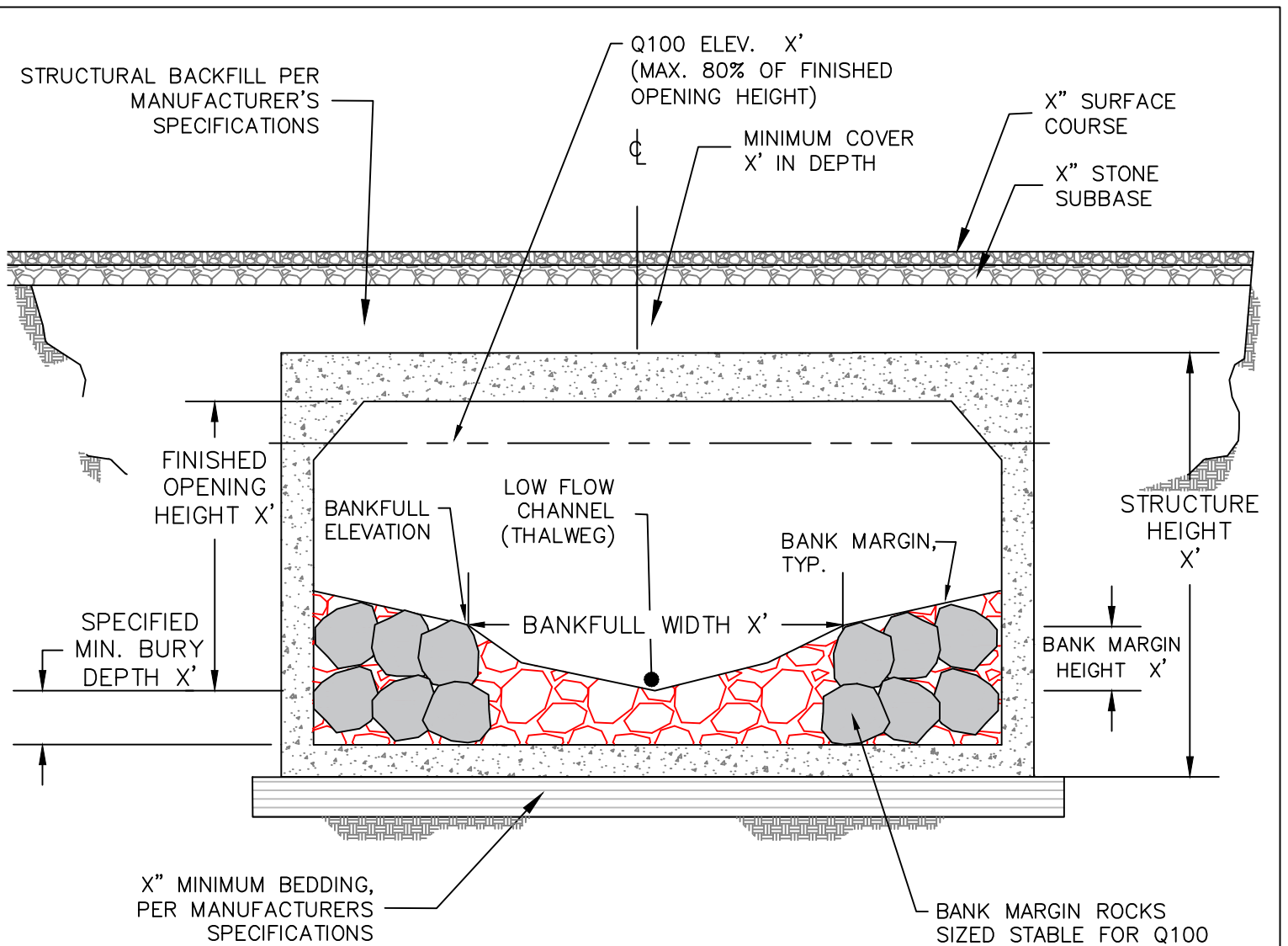
**GENERAL NOTES**

1. REPLACEMENT STRUCTURE MUST BE SIZED CONSIDERING THE FOLLOWING CRITERIA, PER DGLVR DESIGN & INSTALLATION STANDARD:
  - 1.1. CONSTRUCTION OF A PARABOLIC-SHAPED, BANKFULL-WIDTH CHANNEL WITHIN THE STRUCTURE THAT INCLUDES A DEFINED LOW-FLOW CHANNEL (THALWEG)
  - 1.2. INSTALLATION OF ROBUST BANK MARGINS, COMPRISED OF ROCK SUFFICIENTLY-SIZED TO BE STABLE AT THE Q100
  - 1.3. BURIAL DEPTH OF THE STRUCTURE INVERT OR BOTTOM OF FOOTINGS BENEATH THE RECONSTRUCTED STREAMBED (WITHIN THE STRUCTURE) MUST MEET OR EXCEED THE MINIMUM BURY DEPTH REQUIRED BY THE DGLVR PROGRAM
    - 1.3.1. MINIMUM REQUIRED BURIAL DEPTH IS MEASURED DOWNWARD FROM THE THALWEG ELEVATION AT THE CREST OF A CONSTRUCTED GRADE CONTROL FEATURE WITHIN THE STRUCTURE (NOT SHOWN IN TYPICAL DRAWING)
  - 1.4. CONVEYANCE OF THE Q100 AT AN ELEVATION NOT TO EXCEED 80% OF THE FINISHED OPENING HEIGHT (CLEAR RISE BETWEEN THALWEG ELEVATION AT THE CREST OF A CONSTRUCTED GRADE CONTROL FEATURE WITHIN THE STRUCTURE AND THE TOP OF THE STRUCTURE OPENING).
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3. UPON FIRST MEETING THE CRITERIA LISTED IN (1.) ABOVE, AND OTHER REQUIREMENTS OF THE DGLVR DESIGN & INSTALLATION STANDARD, THE REPLACEMENT STRUCTURE SHALL NOT MEASURE LESS THAN 125% (1.25X) THE PROJECT BANKFULL WIDTH, MEASURED AT THE CONSTRUCTED BANKFULL ELEVATION WITHIN THE STRUCTURE.



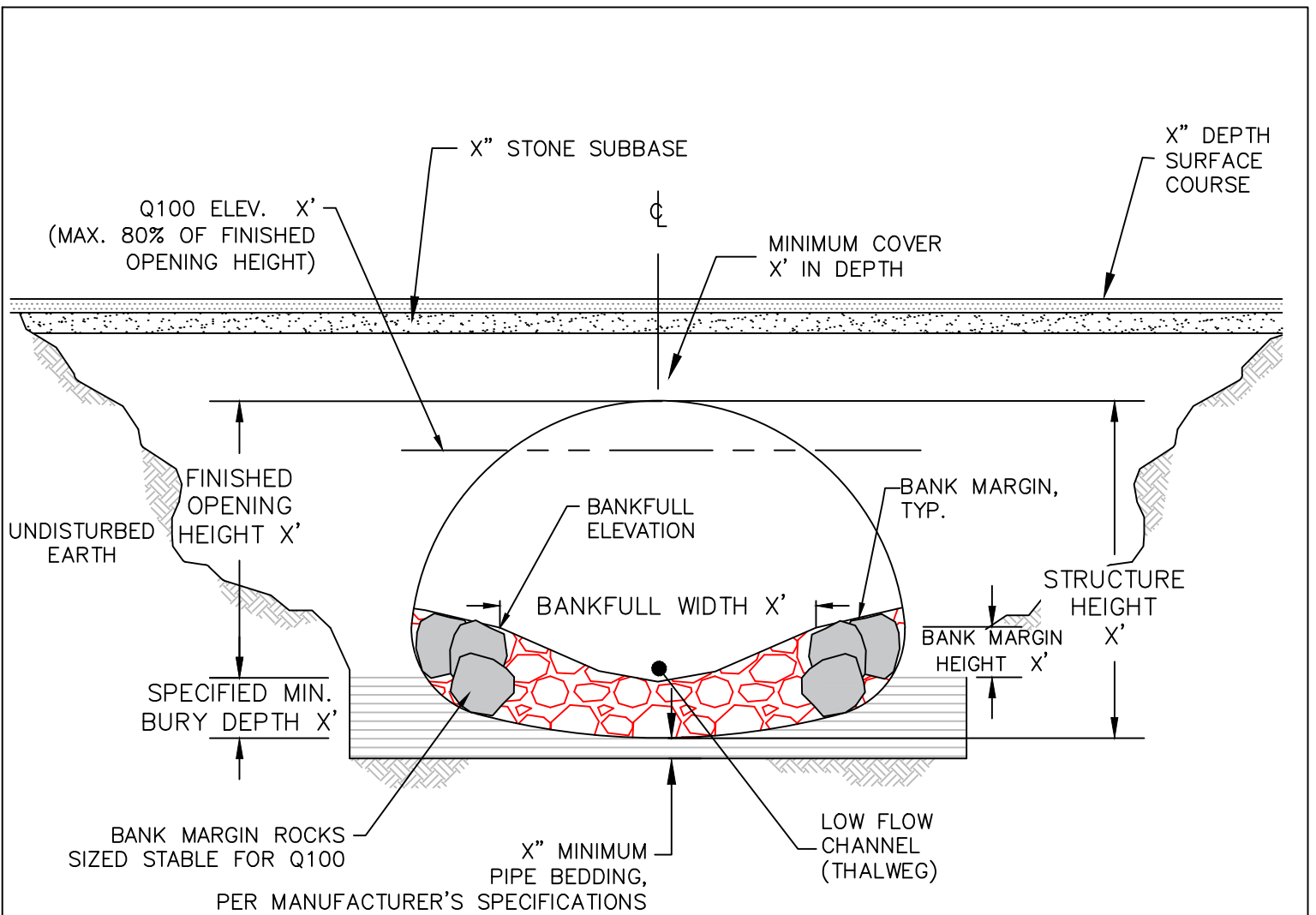
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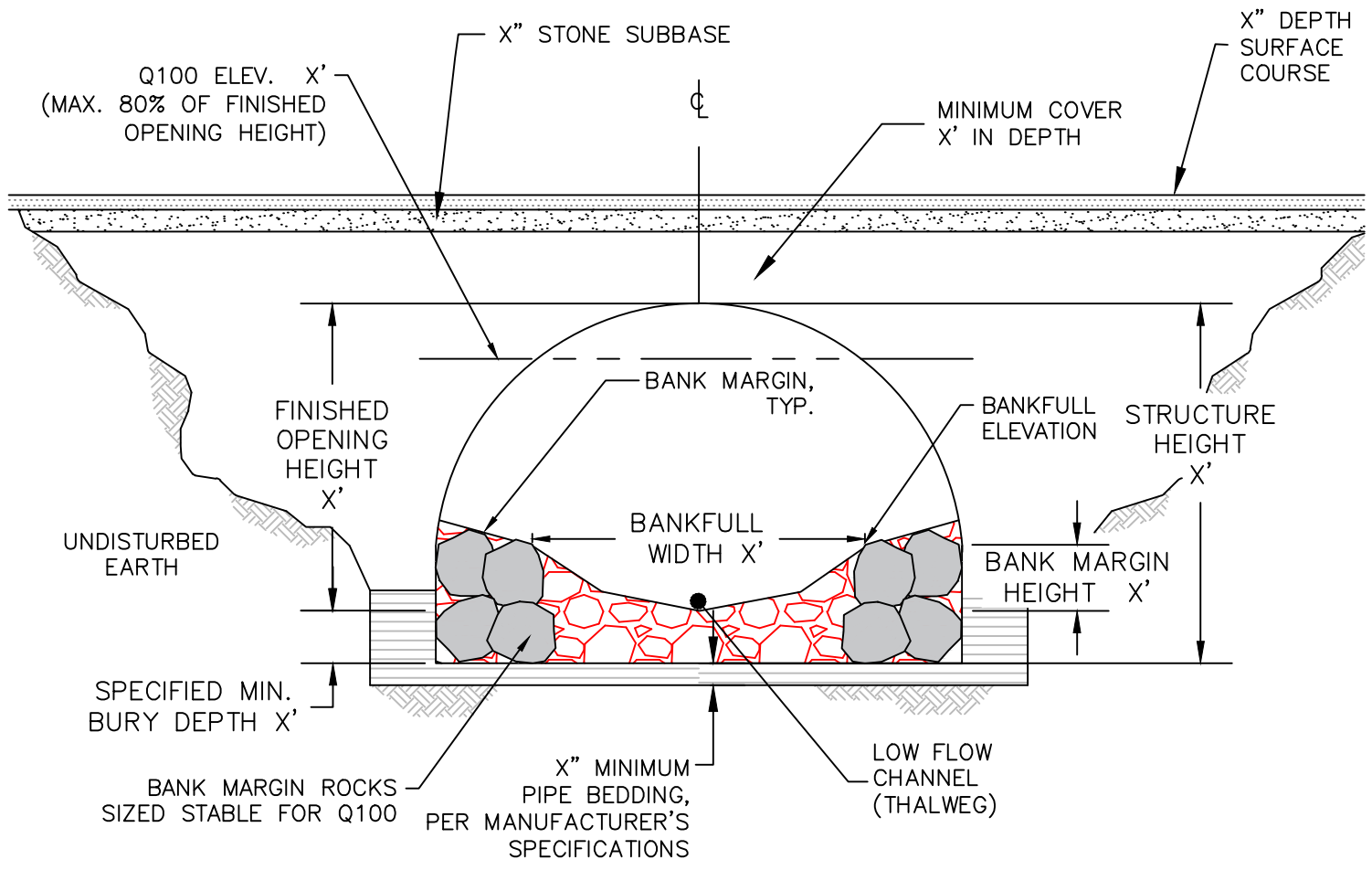
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**STRUCTURAL PLATE ARCH CULVERT**  
NOT TO SCALE