



- 1) ALL CONCRETE TO BE CLASS "A".
- 2) REINFORCING STEEL TO BE GRADE 60.
- 3) PROJECT SPECIFICATIONS FOR REINFORCED CONCRETE BOX CULVERT SHALL APPLY.
- 4) ALL EXTENSIONS WILL BE CONSTRUCTED ACCORDING TO THE STANDARD PLANS OR SPECIAL DETAILS REFERRED TO ON THE SUMMARY OF DRAINAGE STRUCTURES SHEET.
- 5) WHERE HEADWALL AND EXISTING RCB TO BE REMOVED, PROPOSED LONGITUDINAL STEEL SHALL OVERLAP EXISTING LONGITUDINAL STEEL BY 2'-0" SPLICE. ALL EXISTING LONGITUDINAL STEEL IN SLABS AND WALLS TO BE STRAIGHTENED, CLEANED AND USED AS SPLICE BARS.
- 6) WHERE EXISTING HEADWALL REMAINS, DEFORMED TIE BARS ARE REQUIRED. DEFORMED TIE BARS SHALL BE #5, 3'-0" IN LENGTH (UNLESS EXTENSION LENGTH REQUIRES SHORTER BARS). HOLES WILL BE DRILLED IN THE EXISTING STRUCTURE TO ALIGN WITH CORRESPONDING LONGITUDINAL BARS IN THE NEW STRUCTURE. THE DEFORMED TIE BARS SHALL BE PLACED IN THE HOLES AND THE HOLES SHALL BE FILLED WITH AN APPROVED MATERIAL FROM QPL52, PRIOR TO POURING CONCRETE FOR THE EXTENSION. THE HOLE DIAMETER SHALL BE IN ACCORDANCE WITH THE EPOXY MANUFACTURER'S RECOMMENDATION.
- 7) WHERE EXISTING HEADWALL REMAINS, ALL SMOOTH END SURFACES OF EXISTING STRUCTURE SHALL BE ROUGHENED BY CHIPPING PRIOR TO POURING EXTENSION.
- 8) GROUND PREPARATION SHALL BE IN ACCORDANCE TO STANDARD PLAN BM-01.