LEAN GROUT SHALL CONSIST OF A SAND CEMENT MIXTURE As SPECIFIED IN SECTION 607 OF THE STANDARD SPECIFICATIONS.

LEAN GROUT SHALL BE CONSIDERED TO BE INCLUDED IN THE PRICE BID FOR THE ITEMS BOX CULVERTS WILL NOT BE PAID FOR DIRECTLY BUT WILL BE LABOR, MATERIALS AND EQUIPMENT REQUIRED FOR INSTALLING PRECAST CURVED WALLS AND CURTAIN WALLS SHALL BE MEASURED IN THE FIELD AS DIRECTED BY THE ENGINEER.

PRECAST CONCRETE BOX CULVERTS WILL NOT BE PAID FOR DIRECTLY BUT WILL BE LABOR, MATERIALS AND EQUIPMENT REQUIRED FOR INSTALLING PRECAST  WINGWALLS AND FOOTINGS MAY BE ADJUSTED IN THE FIELD AS DIRECTED BY THE ENGINEER.

WINGWALLS AND CURTAIN WALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE WINGWALLS AND CURTAIN WALLS SPECIFICATIONS.

LEAN GROUT SHALL CONSIST OF A SAND CEMENT MIXTURE MEETING THE FOLLOWING REQUIREMENTS:

1. The cement content shall be Type 1 and shall meet the requirements of Type 1 cement as specified in the Standard Specifications.
2. The sand shall meet the requirements of fine aggregate as specified in the Standard Specifications.
3. The cement shall be 1.5 sacks of Portland cement per ton of material mixture.
4. The mixture shall contain sufficient water to hydrate the cement.

LEAN GROUT IS TO BE USED IN THE ASSEMBLED CULVERT AND SHALL BE SPACED TO CLEAR ALL REINFORCING STEEL. THE DRAIN OPENING SHALL BE 4" DIAMETER AND SHALL BE PLACED 12" ABOVE THE TOP OF THE BOTTOM SLAB.

LEAN GROUT SHALL BE CONSIDERED TO BE INCLUDED IN THE PRICE BID FOR THE ITEMS BOX CULVERTS WILL NOT BE PAID FOR DIRECTLY BUT WILL BE LABOR, MATERIALS AND EQUIPMENT REQUIRED FOR INSTALLING PRECAST CURVED WALLS AND CURTAIN WALLS SHALL BE MEASURED IN THE FIELD AS DIRECTED BY THE ENGINEER.

CURTAIN WALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE WINGWALLS AND CURTAIN WALLS SPECIFICATIONS.

CURTAIN WALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE WINGWALLS AND CURTAIN WALLS SPECIFICATIONS.