GENERAL NOTES

1. Straight concrete endwalls are intended for use outside the clear zone.

2. Endwalls may be cast-in-place or precast construction. Cast-in-place endwalls shall conform to the details on this index, design specifications AASHTO 965. Precast construction which adheres to this index, including any additional reinforcement required for bending which shall be determined by the Contractor or supplier, does not require additional approval. Deviations from this index, for precast units, shall require the approval of the State Drainage Engineer prior to construction. For precast construction, see Index No. 23 for opening and grading details.

3. Reinforcing steel shall be either Grade 60 or 80.

4. Concrete shall be Class F except concrete meeting the requirements of ASTM C 493 (450 psi) may be used in lieu of Class F concrete in precast units manufactured in plant which are under the Standard Operating Procedure for the Inspection of Precast Drainage Products.

5. Chamfer: All exposed edges and corners to be chamfered 1/4" unless otherwise shown.

6. That portion of corrugated metal pipe in direct contact with the concrete slab and extending 18" beyond shall be fiberglass coated prior to placing of the concrete.

7. Sealing shall be in accordance with Index No. 28f and paid for under the contract unit price for Sealing, Slab.

8. Bases of payment for either cast-in-place or precast construction shall be the estimated quantities established on the Index. Concrete and reinforcing steel/steel for the estimated unit price for Concrete Class F (endwall C, C') and Reinforcing Steel (Piping), LD.