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 W50-79, Precast construction which adheres to this Draw, including any additional reinforcement required for handling which shall be determined by the Contractor or supplier. Precast units, shall require the approval of the State Drainage Engineer prior to construction. For precast construction, see Index No. 202, for opening and grouting details.

3. Reinforcing steel shall be either Grade 40 or 60.

4. Concrete shall be Class II except concrete meeting the requirements of ASTM C 476 (4000 PSI) may be used in lieu of Class II concrete in precast units manufactured in plants which are under the Standard Operating Procedures for the inspection of precast drainage products.

5. Chamfer all exposed edges and corners to be chamfered $\frac{1}{8}''$ unless otherwise shown.

6. That portion of corrugated metal pipe in direct contact with the concrete slab and extending 12'' beyond shall have a continuous bituminous coating of 0.004'' minimum thickness applied prior to placing of the concrete.

7. Sodding shall be in accordance with Index No. 281 and paid for under the contract unit price for Performance Turf, SY.

8. Bids of payment for either cast-in-place or precast construction shall be the estimated quantities tabulated on the Index, Concrete and reinforcing steel to be paid for under the contract unit prices for Class II Concrete (Endwall), CY and Reinforcing Steel (Bridgeway), L.B.