

TOP VIEW

GRATE, SEAT, WELD & CHAIN DETAIL

3. Grates shall be ASTM A242/A242M, A572/A572M or ASTM A5888/A588M, Grade 50 steel. When "Alt. G" grates are specified in the plans, grates shall be galvanized in accordance with Section 962 and 425.3.2 of the Standard Specifications.

reinforcing

- 4. Endwall to be paid for under the contract unit price for U-Endwall, Each. Payment shall include cost of concrete, reinforcing steel, grate, and accessories. Quantities shown are for estimating purposes only.
- 5. Sod slopes 5' each side and above endwall. Sodding to be paid for under contract unit price for Performance Turf, SY.
- Precasting of this endwall will be permitted. Precast units shall conform to the dimensions shown or in accordance with approved shop drawings. Request for shop drawing approval shall be directed to the State Drainage Engineer. Use Index No. 201 for opening and grouting details.
- 7. Concrete meeting the requirements of ASTM C 478 (4,000 P.S.I.) may be used in lieu of Class I Concrete for precast units manufactured in plants which are under the Standard Operating Procedures for the inspection of precast drainage products.



2008 FDOT Design Standards

U-TYPE CONCRETE ENDWALLS WITH GRATES 15" TO 30" PIPE

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Index No. 260

Bar H₃

-Bar H₂

Offset

-Bars V

-Bars F

END VIEW

1:6

FRONT SLOPE

TRANSITION AT ENDWALL

(As Regd.

Bars to be evenly spaced across dimension 'D'. All bars $\frac{1}{2}$ " x 2".

Grate LB.

33.69

43.63 53.55

TOP VIEW

GRATE TYPE NO. 2

Grate

Bars Regd.

4

Pipe Size

18"

24"

30"