FLARED END SECTION

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Any Wire Mesh Arrangement Which Provides 0.126 Square Inches Of Steel Area Per Linear Foot Both Ways May Be Used. Provided The Wires Are Spaced A Minimum Of 2" And/or A Maximum Of 6" On Centers.

GENERAL NOTES

1. Flared end sections shall conform to the requirements of ASTM C76 with the exception that dimensions and reinforcement shall be as prescribed in the table above. Circumferential reinforcement may consist of either one cage or two cages of steel. Fiber-reinforced concrete may be substituted for conventional reinforcement in accordance with Structures Design Guidelines, Section 3.17. Compressive strength of concrete shall be 4000 psi. Shop drawings for flared end sections having fiber reinforcing or dimensions other than above must be submitted for approval to the State Drainage Engineer.

2. Connections between the flared end section and the pipe culvert may be any of the following types unless otherwise shown on the plans.
   a. Joints meeting the requirements of Section 449 of the Standard Specifications (O-Ring Gasket). Flared end section joint dimensions and tolerances shall be identical or compatible to those used in the pipe culvert joint. When pipe culvert and flared end section manufacturers are different, the compatibility of joint designs shall be certified to the State Drainage Engineer.

   b. Sections sealed with preformed plastic gaskets. The gaskets shall meet the requirements of Standard Specifications and the minimum sizes for gaskets as shall be that specified for equivalent sizes of elliptical pipe.

   c. Reinforced concrete jackets, as detailed on this drawing. Cost of the reinforced concrete jacket to be included in the contract unit price for Flared End Section (Concrete), EA. Reinforcing steel shall also be included in the cost of the Flared End Section (Concrete), EA. Reinforcing steel shall also be included in the cost of the Flared End Section (Concrete), EA.

   d. On skewed pipe culverts the flared end sections shall be placed in line with the pipe culvert. Side slopes shall be warped as required to fit the flared end sections.

   e. Reinforced concrete jackets to be paid for under the contract unit price for Flared End Section (Concrete), EA. Sodding shall be paid for under the contract unit price for Performance Turf, ST.

PLAN

Sta./Offset Location

TOE WALL

Toe Wall

Cylindrical Flanged Spigot On

Spigot On Inlet

Description:

11/01/17

LST

Dia.

REVIEW

DIA.

DESCRIPTION:

10/16/17

(Concrete

None

Optional Shape

T

Optional Shape Only

T

STRAIGHT FLARE

SECTION BB

REINFORCED CONCRETE JACKET DETAIL

SECTION AA

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