Concrete Apron (12" Max.)

Curb & Gutter

Varies

Slope Varies

Concrete Apron

Grout

Varies

Curved Underdrain

To Box

CURVED UNDERDRAIN LOCATION

See Sheet 440-002

Grout

Center of Box

Sta./Offset

Location

Concrete Apron

A Maximum Of Two (2)
Adjustment Courses Of
Brick Will Be Permitted

Concrete Apron

Frame

Grout

Typical Opening. One Or
More Sides. See Plans
For Required Openings.
Grout Fill To Be
Included In Cost Of Box

Concrete Apron

Grout

Underdrain

Cast Or Field Cut 4" Wide Slots (2) For
Hinge Covers. Grout Around Hinge Covers.

Concrete Apron

Grout

3" Concrete Apron

Slope Varies

1:12

Slope Varies

Concrete Apron

12"

Slope Varies

Concrete Apron

12"

Concrete Apron

Grout

Permissible Top Adjustment

Typical Opening, One Or
More Sides. See Plans
For Required Openings.
Grout Fill To Be
Included In Cost Of Box

Concrete Apron

Grout

Underdrain

4" Chamfer

Optional Construction
Joint Permitted

GENERAL NOTES

1. Light duty cast iron cover and frame, see Specifications Section 962.

2. Concrete shall be Class I, except ASTM C498 (4000 psi) concrete may be substituted for precast items manufactured in plants meeting the requirements of Section 449 of the Specifications. Box shall be reinforced with No. 3 bars (Grade 60) on 8" centers both ways, sides and bottom.

3. Concrete apron to be included in the contract unit price for Underdrain Inspection Box.

4. All covers shall be furnished with pick holes. Fitted lifts or handles are not permitted.

5. Manhole Type P Alternate A, Index 425-010, with Type I Frame and Cover, Index 425-001, may be used in lieu of the box detailed on this sheet, and is recommended when high ADT increases chance of the repeated vehicle loadings.