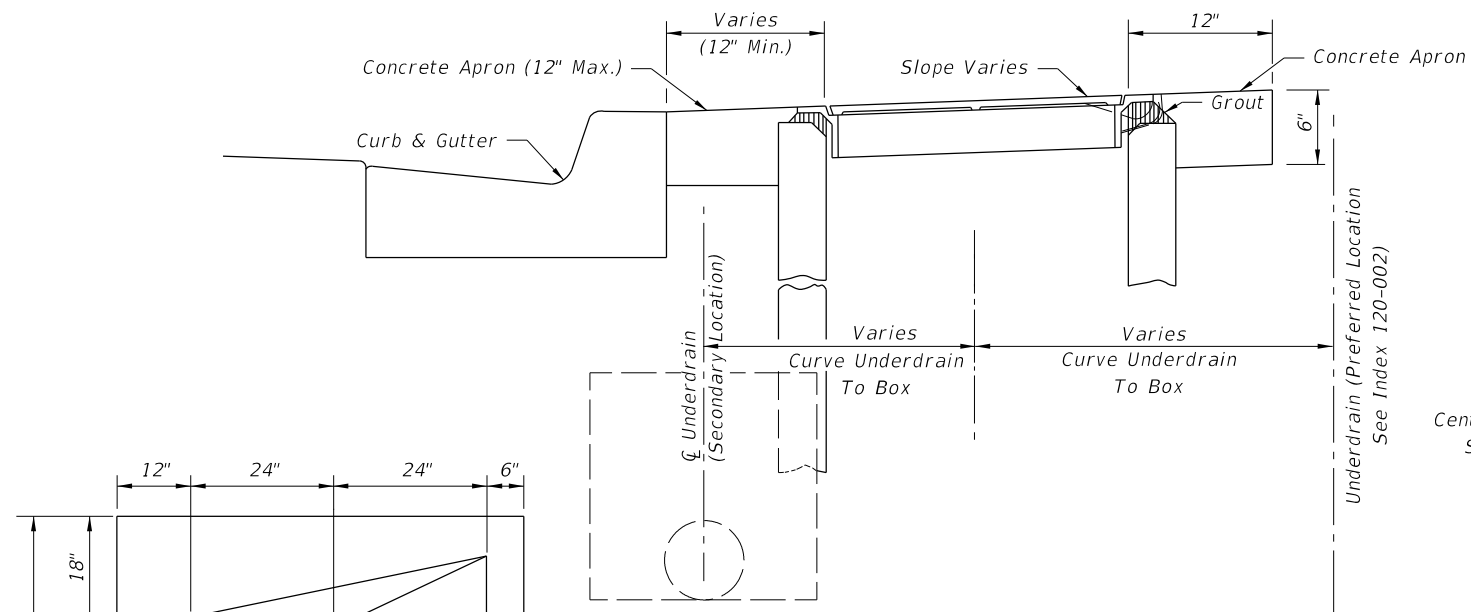
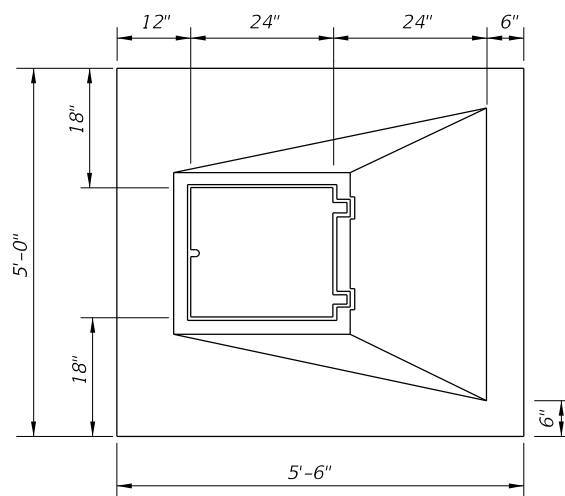


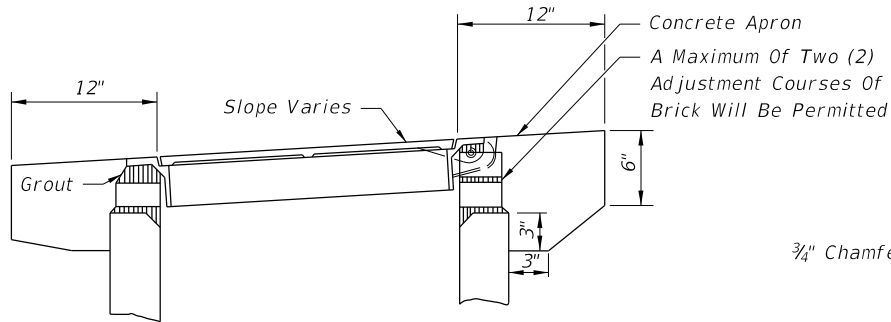
10/18/2018 10:56:50 AM



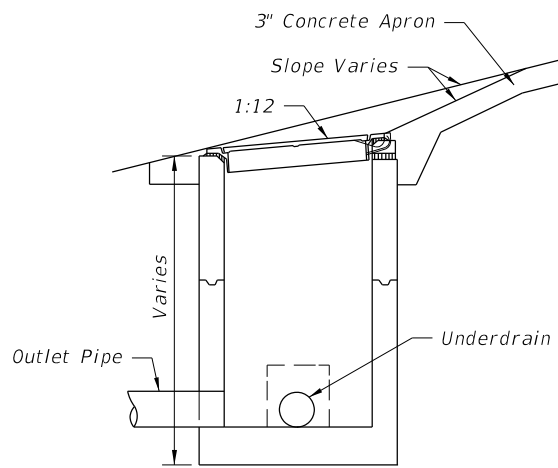
**TYPICAL URBAN INSTALLATION**



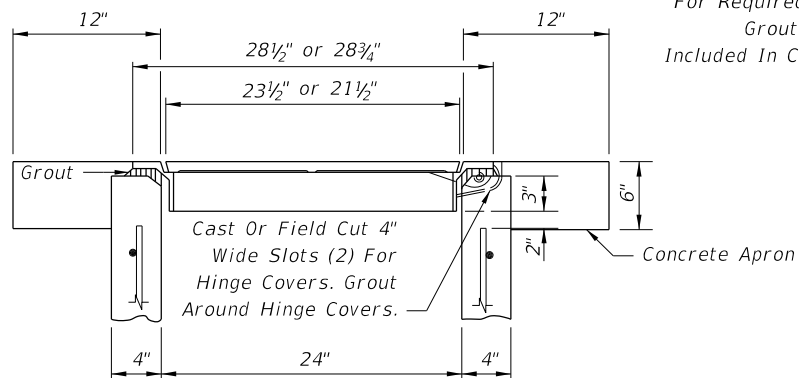
**TOP VIEW**



**PERMISSIBLE TOP ADJUSTMENT**

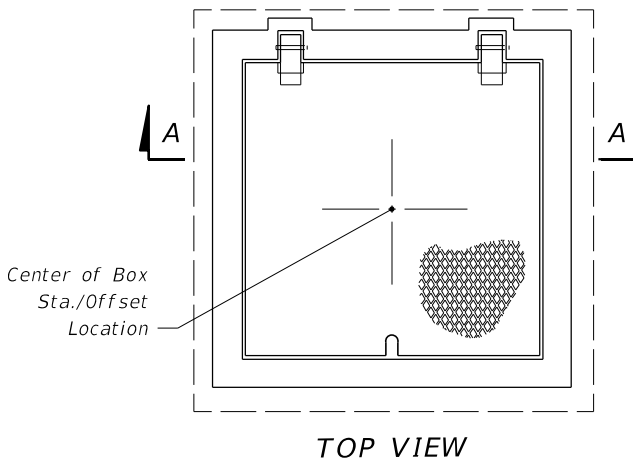


**SECTION  
TYPICAL INSTALLATION ON SLOPES**

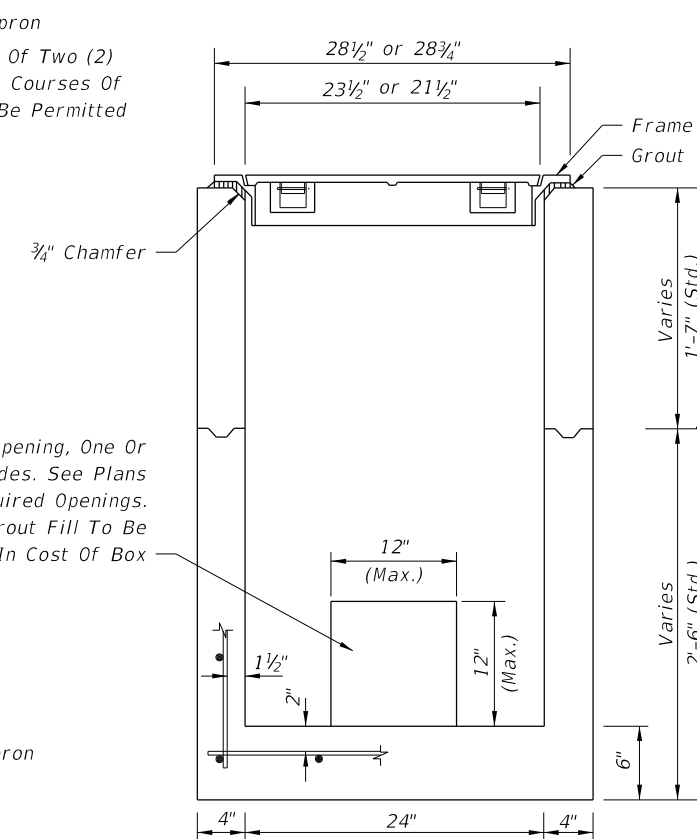


**TYPICAL TOP AND APRON**

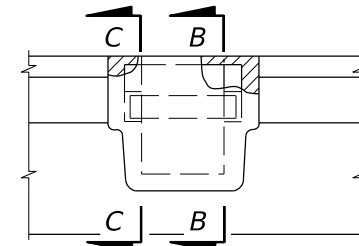
Typical Opening, One Or More Sides. See Plans For Required Openings. Grout Fill To Be Included In Cost Of Box



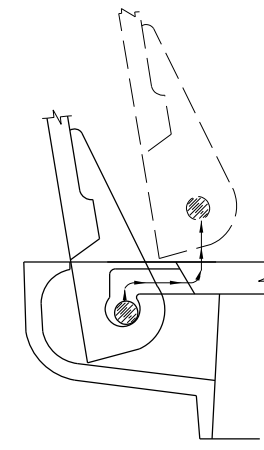
**TOP VIEW**



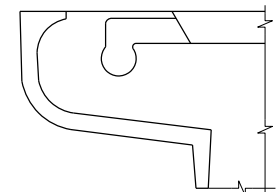
**SECTION AA  
BOX AND TOP**



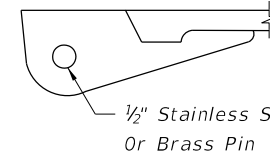
**BACK VIEW**



**COVER REMOVAL**



**SECTION CC**



**SECTION BB**

**HINGE DETAIL**

**GENERAL NOTES**

1. Light duty cast iron cover and frame, see Specifications Section 962.
2. Concrete shall be Class I, except ASTM C478 (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.

LAST REVISION  
11/01/17

DESCRIPTION:



FY 2019-20  
STANDARD PLANS

UNDERDRAIN INSPECTION BOX

INDEX  
440-002

SHEET  
1 of 1