



CASE "A"

NOTES

- ① 10 GA. MIN. OUTLET WELDED TO PIPE WITH REINFORCEMENT COLLAR.
- ② A.S.A. 150 LB. WELD FLANGE.
- ③ 90° STD. WT. BEND CML&C
- ④ A.W.W.A. C-509 FLANGED RESILIENT SEAT GATE VALVE, PER STD. DWG. 4005
- ⑤ STANDARD VALVE BOX INSTALLATION PER STD. DWG. NO. 4020
- ⑥ STEEL PIPE 10 GA. CML & C
- ⑦ 150 LB. SLIP-ON FLANGE
- ⑧ 150 LB. SLIP-ON TO MATCH FLANGE ON 4" AIR VALVE OR 4 FLANGED REDUCER TO MATCH FLANGE ON 3" AIR VALVE.
- ⑨ APCO HEAVY DUTY COMBINATION AIR RELEASE VALVE, OR APPROVED EQUAL; CAST IRON BODY. STAINLESS STEEL AND BRONZE INTERNAL WORKING PARTS; STANDARD SCREWED OUTLET TOP AND FLANGED BOTTOM.
- ⑩ STANDARD WEIGHT BLACK 90° STREET ELBOW WITH STAINLESS STEEL SCREEN.
- ⑪ 5 PC. A.W.W.A. 90° FLGD. BEND, 10 GA. MIN., CML & C. OR 90° STD. WT. CML & C BEND.
- ⑫ 18" BEHIND BACK OF CURB WHEN THE SIDEWALK IS ADJACENT TO THE RIGHT-OF-WAY.
- ⑬ 18" BACK OF SIDEWALK WHEN SIDEWALK IS ADJACENT TO CURB.
- ⑭ SIZE OF UNIVERSAL AIR RELEASE VALVE ASSEMBLY WILL BE DETERMINED BASED ON ENGINEERING CALCULATIONS. SIZE TO BE SHOWN ON PLANS.



APPROVED BY:		10.5.15	
<i>[Signature]</i>		44485	
LOUIS ABI-YOUNES, CITY ENGINEER	RCE	DATE	
RECOMMENDED:		9/17/15	
<i>[Signature]</i>		62268	
DENNIS MEJIA, UTILITIES ENGINEERING DIRECTOR	RCE	DATE	
REV	DESCRIPTION	BY	APP'D DATE

CITY OF ONTARIO

3" AND 4"

AIR RELEASE AND VACUUM RELIEF VALVE ASSEMBLY

STANDARD DRAWING NUMBER

4104