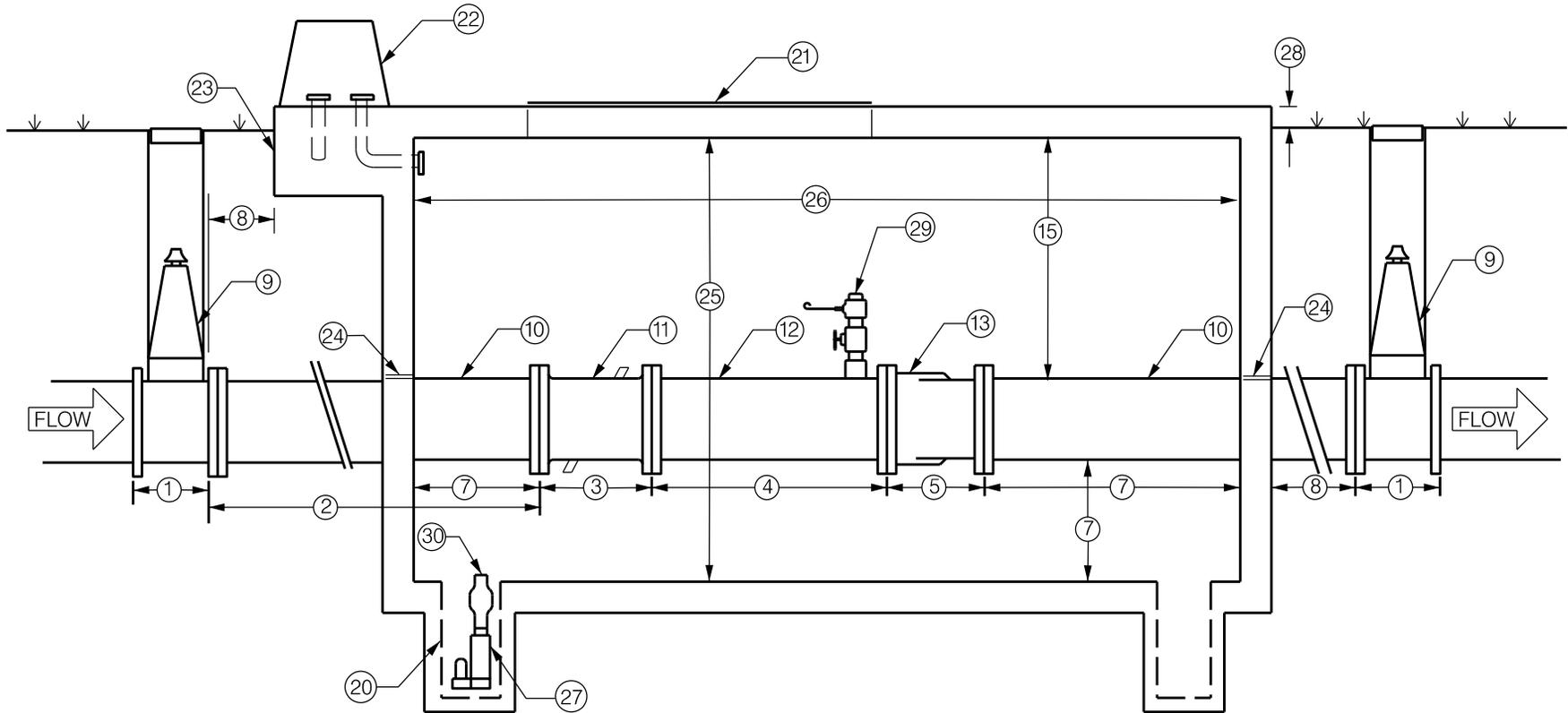


CASTLE HILLS 16" METER SPEC.  
NON-ENGINEERED DRAWINGS  
NOT TO SCALE

SIDE VIEW



- 1. 16.06" L (GATE VALVE).
- 2. 15 FEET OPTIMUM, 80 INCH MINIMUM OF UNINTERRUPTED FLOW PRIOR TO METER
- 3. MINIMUM 3 X PIPE DIAMETER (16")=48" OF UNINTERRUPTED FLOW FOLLOWING METER.
- 4. 19.25" NOMINAL LENGTH (DISMANTLING JOINT)
- 5. 30.5" L (CHECK VALVE)
- 7. 24" MINIMUM CLEARANCE BETWEEN METER VAULT FLOOR AND WALLS AND ANY CONNECTION OR APPURTENANCE
- 8. MINIMUM 5' CLEARANCE BETWEEN METER VAULT AND GATE VALVES.
- 9. 16" GATE VALVE MUELLER A-2361 OR APPROVED EQUAL.
- 10. DUCTILE IRON PIPE WITH FLANGE.
- 11. ENDRESS=HAUSER 16" PROSONIC FLOW 93C IN-LINE TRANSIT TIME METER.
- 12. DUCTILE IRON PIPE WITH FLANGE.
- 13. ROMAC INDUSTRIES, INC. 16" DJ405 DISMANTLING JOINT OR APPROVED EQUAL.
- 15. 48" MINIMUM CLEARANCE BETWEEN VAULT CEILING AND TALLEST POINT OF METER ASSEMBLY.
- 20. 12" DIAMETER BY 24" DEEP SUMP HOLE FOR PERMANENT SUMP PUMP.
- 21. USF FABRICATION INC. THD MINIMUM 60"X72" CUSTOM ALUMINUM ACCESS DOORS OR EQUAL.
- 22. QUAZITE TRAFFIC SIGNAL CABINET BASE 39 3/8" W X 27 5/8" DX18" H PART NUMBER PH2436AA.
- 23. REINFORCED CONCRETE FOOTER 18" DEEP FOR METER ELECTRONICS ENCLOSURE.
- 24. WATER TIGHT LINK SEAL OR APPROVED EQUAL.
- 25. 9' MINIMUM CLEARANCE BETWEEN VAULT FLOOR AND CEILING.
- 26. 15' MINIMUM CLEARANCE BETWEEN VAULT WALLS.
- 27. SUMP PUMP. 3/4 HP. SUBMERSIBLE CAST IRON RATED COMMERCIAL INDUSTRIAL GRAINGER ITEM: 3BB80 OR EQUAL.
- 28. 4" FROM METER VAULT TOP TO GRADE.
- 29. PRESSURE TRANSMITTER W/2" GATE VALVE
- 30. 2" CHECK VALVE (SUMP PUMP)

NOTE:  
DETAIL SUBJECT TO CHANGE PER DIRECTION  
OF CITY OF LEWISVILLE ENGINEERING DIVISION



## Standard Details

### Castle Hills 16" Meter Vault Assembly

#### Revisions:

No.	Description	Date

Engineering  
Department

Office No. 972-219-3490

www.cityoflewisville.com

Dated: 5-11-13

Dated: 10-29-19

Sheet:

10.2a