



- 1. 18" L (GATE VALVE)
- 2. 15 FEET OPTIMUM, 100 INCH MINIMUM OF UNINTERRUPTED FLOW PRIOR TO METER.
- 3. 24" MINIMUM CLEARANCE BETWEEN METER VAULT FLOOR AND WALLS AND ANY CONNECTION OR APPURTANCE.
- 4. 25.6" L (METER)
- 5. MINIMUM 3 X PIPE DIAMETER (20")=60" OF UNINTERRUPTED FLOW FOLLOWING METER.
- 6. 20.25" NOMINAL LENGTH (DISMANTLING JOINT).
- 7. 40" (CHECK VALVE).
- 8. MINIMUM 5' CLEARANCE BETWEEN METER VAULT AND GATE VALVES.
- 9. 10' MINIMUM CLEARANCE BETWEEN VAULT CEILING AND FLOOR.
- 10. 48" MINIMUM CLEARANCE BETWEEN VAULT CEILING AND TALLEST POINT OF METER ASSEMBLY.
- 11. MINIMUM 5' CLEARANCE BETWEEN METER VAULTS
- 12. 24"
- 13. 17" MINIMUM CLEARANCE BETWEEN VAULT WALLS.
- 14. 60" WIDE VAULT ACCESS DOORS.

- 15. USF FABRICATION INC. THD MINIMUM 60"x60" CUSTOM ALUMINUM ACCESS DOORS OR EQUAL.
- 16. QUAZITE TRAFFIC SIGNAL CABINET BASE 39 3/8"W X 27 5/8"D X 18" H PART NUMBER PH2436AA
- 17. 20" GATE VALVE MUELLER A-2361 OR APPROVED EQUAL.
- 18. DUCTILE IRON PIPE WITH FLANGE.
- 19. ENDRESS+HAUSER 20" PROSONIC FLOW 93C IN-LINE TANSIT-TIME METER.
- 20. DUCTILE IRON PIPE WITH FLANGE.
- 21. ROMAC INDUSTRIES, INC 20" DJ405 DISMANTLING JOINT OR APPROVED EQUAL.
- 22. MUELLER CO. 16" 26 A-2361 SERIES CHECK VALVE OR APPROVED EQUAL.
- 23. DUCTILE IRON PIPE WITH FLANGE.
- 24. 12" DIAMETER BY 18" DEEP SUMP HOLE FOR PORTABLE PUMP.
- 25. 12" DIAMETER BY 24" DEEP SUMP HOLE FOR PERMANENT SUMP PUMP.
- 26. SUMP PUMP, 3/4 HP, SUBMERSIBLE CAST IRON, RATED COMMERCIAL/INDUSTRIAL. GRAINGER ITEM: 3BB80 OR EQUAL.
- 27. 12"WX16"LX12" REINFORCED CONCRETE SUPPORT BASE CENTERED UNDER METER ASSEMBLY.
- 28. ADJUSTABLE PIPE SUPPORT USED ON ALL THREE CONCRETE SUPPORT BASES.
- 29. 24" CLEARANCE BETWEEN VAULT FLOOR AND METER ASSEMBLY.

CASTLE HILLS 20" METER SPEC. PG. 1 OF 3
NON-ENGINEERED DRAWINGS
NOT TO SCALE

- 30. PRESSURE TRANSMITTER W/2" GATE VALVE
- 31. CHECK VALVE 2"(SUMP PUMP)

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



Standard Details

Castle Hills 20" Meter Parts

Revisions:		
No.	Description	Date

**Department of
Community
Development**

Office No. 972-219-3490
Fax No. 972-219-3487
www.cityoflewisville.com

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