3", 4" OR 6" DOMESTIC
WATER METER ASSEMBLY DETAIL
PLAN VIEW

CITY OF ROUND ROCK

DATING NO:
WT-20 (1 of 2)

RECORD SIGNED COPY
ON FILE AT PUBLIC WORKS
APPROVED
01-19-15
DATE

THE ARCHITECT/ENGINEER ASSUMES
RESPONSIBILITY FOR THE APPROPRIATE
USE OF THIS DETAIL (NOT TO SCALE)

SPECIFICATIONS:
THE VAULT SHALL BE MANUFACTURED USING 4000 TO 4500 P.S.I. CONCRETE, 28 DAY STRENGTH AND IN ACCORDANCE WITH ASTM C478.

CONCRETE:
THE VAULT IS OF MONOLITHIC CONSTRUCTION AT FLOOR AND FIRST STAGE OF WALL WITH SECTIONAL RISER TO REQUIRED DEPTH.

REINFORCEMENT:
GRADE 60 REINFORCED. STEEL REBAR CONFORMING TO ASTM A615 ON REQUIRED CENTERS OR EQUAL.

ALUMINUM DOOR:
ALUMINUM SKID-RESISTANT FLOOR PLATE WELDED TO A 3" ANGLE FRAME WITH (2) 3" X 3" ANGLE SUPPORTS (300 P.S.F.).

NOTES:
1. IF CONTRACTOR ELECTS TO PROVIDE CAST-IN-PLACE CONCRETE VAULT, ALL COLD JOINTS SHALL HAVE A 6" VERTICAL WATER STOP EMBEDDED 6" INTO THE PREVIOUS POUR.
2. ALL INTERIOR IRON, DUCTILE IRON OR STEEL SHALL BE PROVIDED WITH THE MANUFACTURES SPECIFIED AND APPLY COATING TO PREVENT CORROSION.
3. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF VAULT, INCLUDING REINFORCEMENT. THE SHOP DRAWINGS ARE TO BE SEALED AND SIGNED BY A REGISTERED ENGINEER.
SLOPE FINISHED GRADE TO DRAIN AWAY FROM VAULT. (EACH WAY) (TYPICAL)

2" TESTPORT/SERVICE SADDLE W/FULLPORT 2" BALLVALVE PIPE STANCHION SADDLE SUPPORT WITH YOKE. (TYPICAL)
DRESSER DISEMANTLING JOINT (TYP) 2 DIA MIN

FLOW 12" MIN (SEE NOTE #3 BELOW)

SLOPE FINISHED FLOOR 1/4" PER FOOT TO DRAIN TO SUMP.

6" TO 12" FIRE SERVICE COMPUND OCTAVE METER BY MASTER METER, INC. PROVIDE CONCRETE PEDESTAL SUPPORT.

BED VAULT WITH MINIMUM 8" THICK 3/4" THICK WASHED ROCK GRAVEL OR OTHER CRUSHED STONE ACCEPTABLE TO THE CITY OF ROUND ROCK.

COMPACTED SUBGRADE, MINIMUM 12" DEPTH. (UNDER VAULT BASE SLAB ONLY)

PROVIDE P.V.C. HATCH DRAINLINE OUT OF CONCRETE SLAB WALL AND 90° DOWN INTO BEDDING MATERIAL.

PROVIDE P.V.C. HATCH DRAINLINE OUT OF CONCRETE SLAB WALL AND 90° DOWN INTO BEDDING MATERIAL.

FLOOR 6-6" MIN

6' 12"

FLOW

2" DIA MIN 2" DIA MIN

24"

SPECIFICATIONS:

THE VAULT SHALL BE MANUFACTURED USING 4000 TO 4500 P.S.I. CONCRETE, 28 DAY STRENGTH AND IN ACCORDANCE WITH ASTM C476.

CONCRETE:

THE VAULT IS OF MONOLITHIC CONSTRUCTION AT FLOOR AND FIRST STAGE OF WALL WITH SECTIONAL RISER TO REQUIRED DEPTH.

REINFORCEMENT:

GRADE 60 REINFORCED. STEEL REBAR CONFORMING TO ASTM A615 ON REQUIRED CENTERS OR EQUAL.

ALUMINUM DOOR:

ALUMINUM SKID-RESISTANT FLOOR PLATE WELDED TO A 3" ANGLE FRAME WITH (2) 3" X 3" ANGLE SUPPORTS (300 P.S.F.).

NOTES:

1. IF CONTRACTOR ELECTS TO PROVIDE CAST-IN-PLACE CONCRETE VAULT, ALL COLD JOINTS SHALL HAVE A 6" VERTICAL WATER STOP EMBEDDED 6" INTO THE PREVIOUS POUR.

2. ALL INTERIOR IRON, DUCTILE IRON OR STEEL SHALL BE PROVIDED WITH THE MANUFACTURES SPECIFIED AND APPLY COATING TO PREVENT CORROSION.

3. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF VAULT, INCLUDING REINFORCEMENT. THE SHOP DRAWINGS ARE TO BE SEALED AND SIGNED BY A REGISTERED ENGINEER.

CITY OF ROUND ROCK
3", 4" OR 6" DOMESTIC WATER METER ASSEMBLY DETAIL ELEVATION VIEW

DRAWING NO: WT-20 (2 of 2)

01-19-15

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS DETAIL (NOT TO SCALE)