



NOTE: IN SIDEWALKS, COVER HOOK OPENING WITH A STEEL PLATE. SECURE WITH SCREWS AND EXPANSION SLEEVE ANCHORS.

- NOTE:**
- NOTICE SHALL BE GIVEN TO THE ENGINEERING SERVICES DEPT. 48 HOURS IN ADVANCE SO THAT A REPRESENTATIVE OF THE DEPT. MAY WITNESS THE POURING OF THE VAULT AND INSPECT THE MATERIALS. A REPORT SHALL BE FURNISHED ON THE 7 DAY AND 28 DAY STRENGTH OF THE CONCRETE WHICH SHALL BE AT LEAST 4000 PSI. REINFORCING STEEL SHALL BE GR. 60.
 - WHERE RESTRAINED JOINTS ARE REQUIRED, THEY SHALL BE EBBA MEGALUG SERIES 1100 OR EQUAL.
 - METER AND FITTINGS FROM VALVE TO VALVE SHALL BE ASSEMBLED IN A SHOP ENVIRONMENT APPROVED BY A REPRESENTATIVE OF ENGINEERING SERVICES DEPT. METER AND FITTINGS SHALL BE DELIVERED TO THE JOB SITE WITH THE VALVES CLOSED IN ORDER TO PROTECT THE METER, STRAINER AND PRESSURE SUSTAINING VALVE.
 - USE DUCTILE IRON PIPING AND DI/CI FITTINGS FROM THE MAIN LINE TAPPING SLEEVE TO DOWNSTREAM FROM THE METER CHECK VALVE AT THE CONNECTING SLEEVE. PIPE SHALL BE WRAPPED WITH POLYETHYLENE FILM AND TAPED.
 - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FURNISH FITTINGS COMPATIBLE WITH THE TYPE OF PIPE FURNISHED.
 - WHERE COMPOUND METER IS FURNISHED WITH A TEST PLUG, IT WILL NOT BE NECESSARY TO INSTALL A TEST TEE. MATERIAL SUBMITTALS SHALL INDICATE THE PRESENCE OF A TEST PLUG.
 - BOLTS AND NUTS SHALL CONFORM TO ASTM A-307 GR. B, AND ASTM A-563 GR. A RESPECTIVELY. STRUCTURAL STEEL SHALL BE ASTM A-36

- BYPASS VALVE SHALL BE SEALED SHUT BY CITY OF TULSA USING A WATER METER SEAL WIRE.
 - TEST TEE SHALL CONSIST OF
1 - 6" X 6" X 6" TEE, FLG.
1 - 6" X 4" SWEDGE NIPPLE FLG. ON 6" END, 4" END THREADED WITH SCREW CAP
 - THE PRESSURE SUSTAINING VALVE SHALL BE A 6-INCH CLA-VAL, MODEL 50-01, CLASS 125, OR EQUAL. THE PRESSURE SUSTAINING VALVE SHALL BE FACTORY SET AND CERTIFIED AT 45 PSI. THE CONTRACTOR SHALL MEET WITH THE PRESSURE SUSTAINING VALVE MANUFACTURER REPRESENTATIVE ON THE JOB SITE TO MAKE FINAL ADJUSTMENTS ON THE PRESSURE SUSTAINING VALVE AT STARTUP. COST SHALL BE INCLUDED IN COST OF PRESSURE SUSTAINING VALVE. NO ADDITIONAL PAYMENT SHALL BE MADE.
 - NEW FLANGED PRESSURE SUSTAINING VALVES SHALL HAVE A VALVE OPERATING RANGE OF 30 - 300 PSI, TEMPERATURE RANGE TO 180 DEGREES F, SEPARATE AND CLOSING SPEED CONTROL AND SHALL CARRY THE FOLLOWING ADDITIONAL FEATURES. CLA VAI AND OCV DESIGNATORS FOR THE ADDITIONAL FEATURES FOLLOWS:
- | | CLA | OCV |
|--|------|--------------|
| CAST IRON BODY WITH STAINLESS STEEL TRIM | CS | CST |
| VALVE POSITION INDICATOR | XIOI | W/ INDICATOR |
| EXTERNAL AND INTERNAL EPOXY COATING | KC | STANDARD |
| STAINLESS STEEL SLEEVE STEM | KG | STANDARD |

METER	A	B	C	D	REMARKS
6" TURBINE METER	27"	4' - 2"	6' - 0"	12' - 6"	
6" COMPOUND METER	33"	3' - 8"	5' - 10"	11' - 8"	WITHOUT TEE
6" TURBINE METER FIRE SERVICE	44-7/8"	4' - 2"	6' - 0"	14' - 0"	W/FIRE SERVICE TURBINE AND VAULT COVER IN 2/HALVES
6" NEPTUNE PROTECTUS III FIRE FLOW METER W/STRAINER (FS)	45"	3' - 8"	6' - 6"	14' - 0"	W/4 LIFTING HOOKS EA. 8" WF31 BEAM
6" INVENSYS FIRELINE T.M.	67-5/8"	3' - 8"	6' - 6"	16' - 0"	

- CHAMFER EXPOSED CORNERS. EDGE AROUND OPENINGS IN TOP.
- BEARING PADS HAVE NO REBAR.
- VAULT ASSEMBLY SHALL INCLUDE ALL MATERIALS AND LABOR FOR AN INSTALLED AUTOMATED METER READING (AMR) DEVICE PER CONSTRUCTION SPECIFICATIONS DIVISION V. AMR DEVICE SHALL INCLUDE MIU ANTENNA PENETRATING THRU HATCH, MIU, POTTED REGISTER, REQUIRED CABLE, AND GEL-CAP (IF REQUIRED). AMR INSTALLATION SHALL BE APPROVED AND TESTED BY ENGINEER OR ENGINEER'S DESIGNEE.

REVISION	BY	DATE

[Signature]
CITY ENGINEER

[Signature]
DESIGN MANAGER

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

6" METER WITH
PRESSURE SUSTAINING
VALVE ASSEMBLY AND VAULT

DATE: OCTOBER 2013 STD. 530