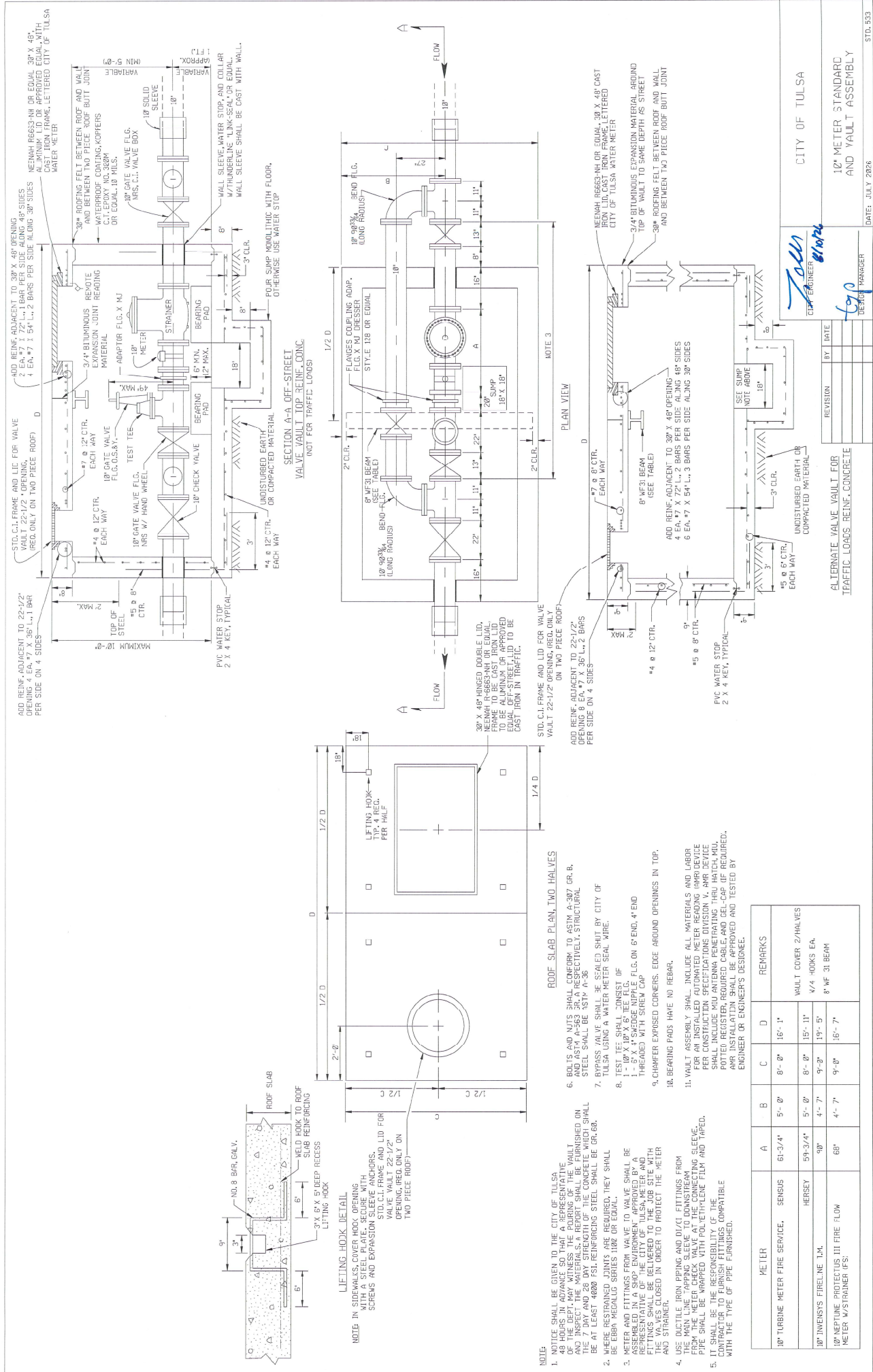




CITY OF TULSA
10" METER STANDARD
AND VAULT ASSEMBLY
DATE: JULY 2026

DESIGNER
CHECKED
DATE

REVISION	BY	DATE

ALTERNATE VALVE VAULT FOR
TRAFFIC LOADS REINF. CONCRETE

- NOTE:
1. NOTICE SHALL BE GIVEN TO THE CITY OF TULSA 48 HOURS IN ADVANCE SO THAT A REPRESENTATIVE OF THE CITY OF TULSA MAY BE PRESENT TO OBSERVE 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.
 2. WHERE RESTRAINED JOINTS ARE REQUIRED, THEY SHALL BE EBBT REGALLO SERIES 1000 OR EQUAL.
 3. METER AND FITTINGS FROM VALVE TO VALVE SHALL BE 1" X 1/2" SCH. 40 STEEL PIPE. ALL FITTINGS SHALL BE DELIVERED TO THE JOB SITE WITH THE PIPE. ALL FITTINGS SHALL BE DELIVERED TO THE JOB SITE WITH THE PIPE. ALL FITTINGS SHALL BE DELIVERED TO THE JOB SITE WITH THE PIPE.
 4. USE DUCTILE IRON PIPE AND DUCTILE FITTINGS FROM THE MAIN LINE TAPPING SLEEVE TO DOWNSTREAM. PIPE SHALL BE WAPPED WITH POLYETHYLENE FILM AND TAPPED. SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FURNISH ALL MATERIALS AND LABOR REQUIRED WITH THE TYPE OF PIPE FURNISHED.
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 6. BOLTS AND NUTS SHALL CONFORM TO ASTM A-307 OR B, AND ASTM A-563 3R, A RESPECTIVELY. STRUCTURAL STEEL SHALL BE ASTM A-36.
 7. BYPASS VALVE SHALL BE SEALED SHUT BY CITY OF TULSA USING A WATER METER SEAL WIRE.
 8. TEST TEE SHALL CONSIST OF:
 - 1 - 12" X 1/2" SCH. 40 STEEL PIPE
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 9. CHAMFER EXPOSED CORNERS, EDGE AROUND OPENINGS IN TOP.
 10. BEARING PADS HAVE NO REBAR.
 11. 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 METER ANTENNA PENETRATING THRU HATCH MID. METER ANTENNA SHALL BE SECURED TO VALVE WITH A LOCK. AMR INSTALLATION SHALL BE APPROVED AND TESTED BY ENGINEER OR ENGINEER'S DESIGNEE.

METER	A	B	C	D	REMARKS
10" TURBINE METER FIRE SERVICE, SENSUS	61-3/4"	5'-0"	8'-0"	16'-1"	VAULT COVER 2/HALVES
HERSEY	59-3/4"	5'-0"	8'-0"	15'-11"	4/4 -HOOKS EA.
10" INVENSYS FIRELINE 1M	90"	4'-7"	9'-0"	16'-5"	8" WF 31 BEAM
10" NEPTUNE PROTECTUS III FIRE FLOW METER W/STRAINER (FS)	68"	4'-7"	9'-0"	16'-7"	