

PUBLIC WORKS
Engineering

DATE: July 28, 2026

TO: PAUL ZACHARY,
PUBLIC WORKS DEPUTY
DIRECTOR

FROM: ^{HAS} H. SOMDECERFF,
PUBLIC WORKS DESIGN
MANAGER

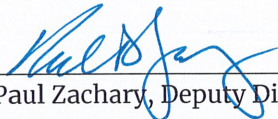
The Specification Review Committee recommends and asks the Public Works Deputy Director to approve the following:

1. Approve Modification to Standard Detail 527- 4" Meter Assembly & Vault.
Summary of change:
 - Added "or Approved Equal" to Neenah R6663-NH 30"x 48" Lid with Cast Iron Frame.
 - In Note 6 changed Engineering Services Department to The City of Tulsa.
 - In Note 8 changed Engineering Services Department to The City of Tulsa.

Please call Marlene Segura at (918) 596-7355 If you have any questions.

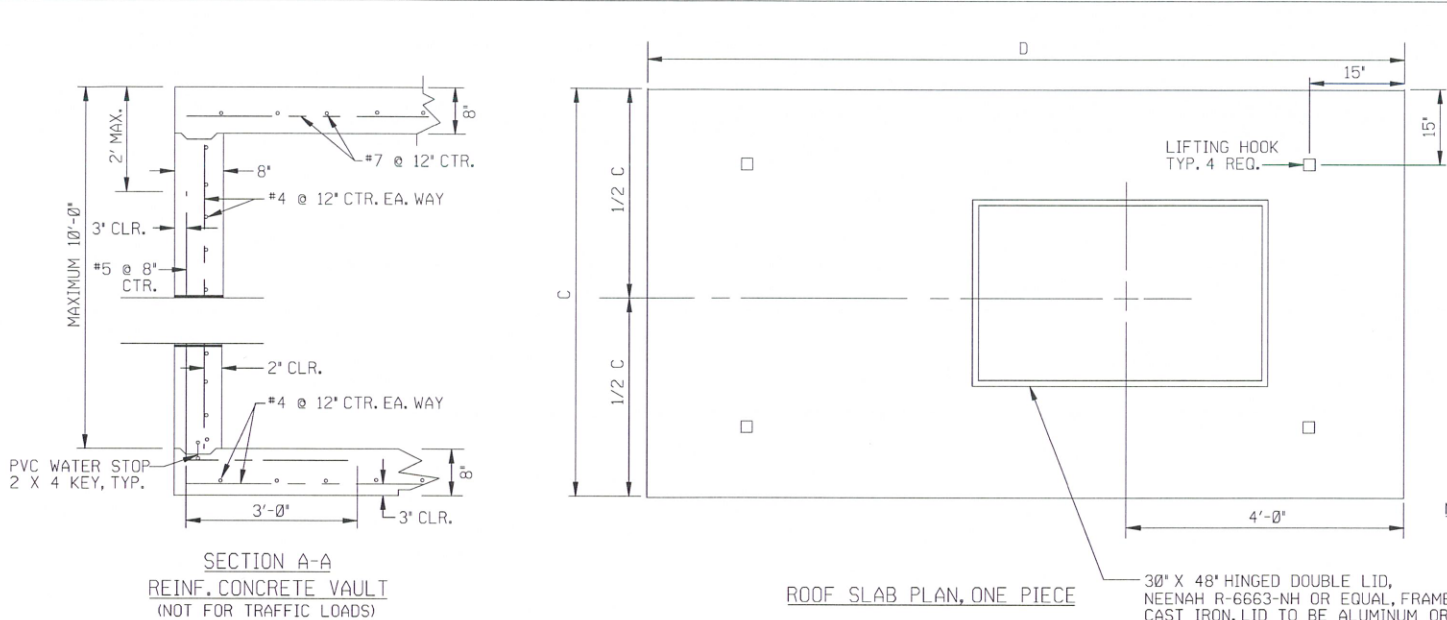
Thank you,

APPROVED:


Paul Zachary, Deputy Director

08-06-26
Date

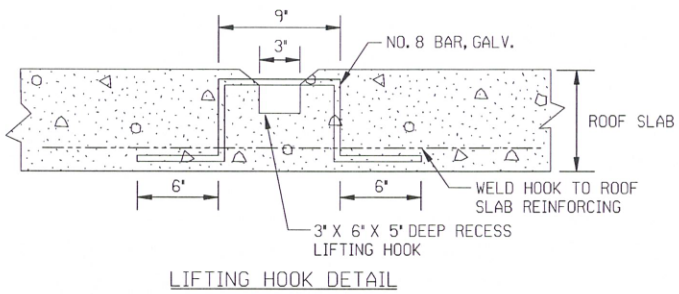
Cc: Public Works Engineering Services Specification Review Committee



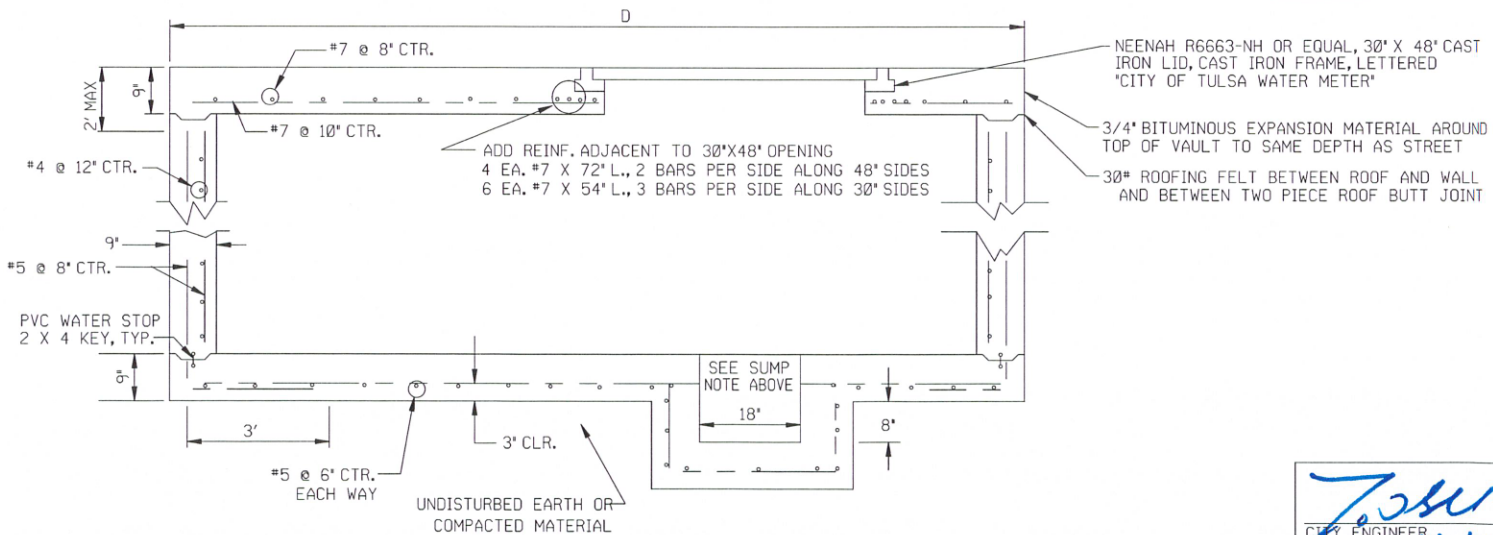
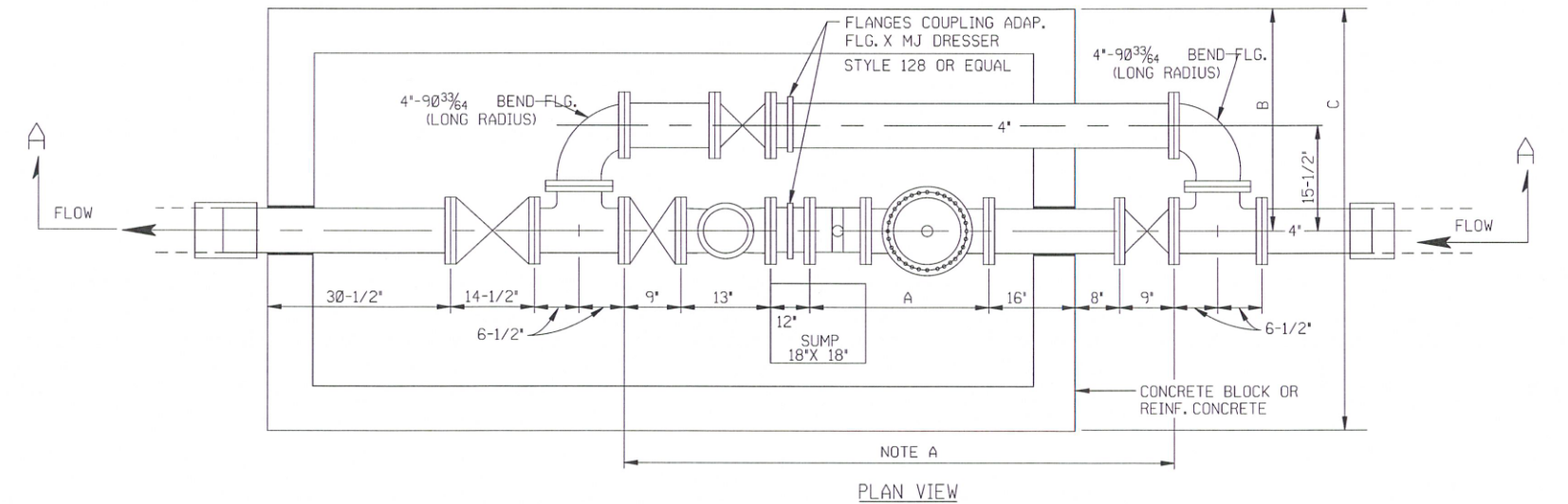
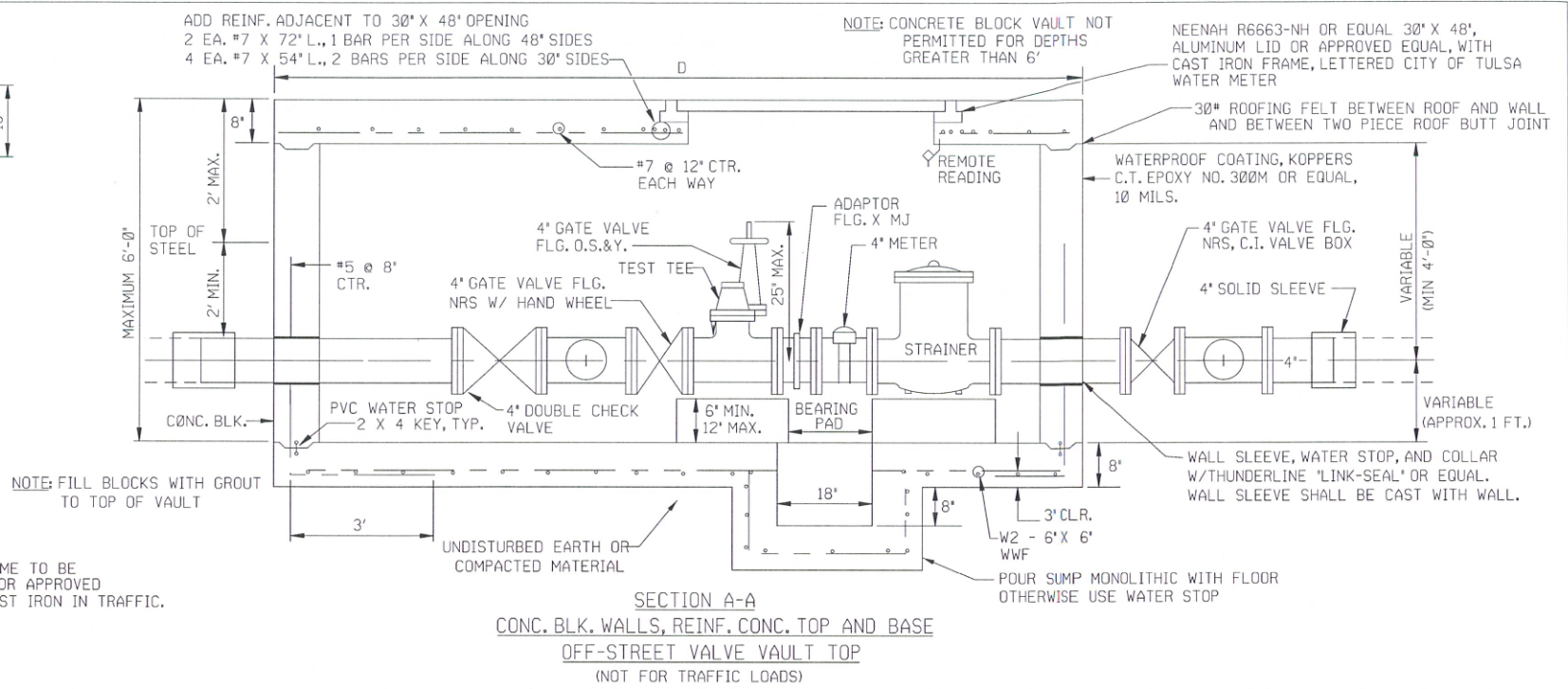
NOTE:

- 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 - 4" X 4" X 4" TEE, FLG.
 - 1 - 4" X 4" NIPPLE, FLG. ON ONE END, THREADED ON OPPOSITE END WITH SCREW CAP
- NOTICE SHALL BE GIVEN TO THE CITY OF TULSA 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 THE CITY OF TULSA. METER AND FITTINGS SHALL BE DELIVERED TO THE JOB SITE WITH THE VALVES CLOSED IN ORDER TO PROTECT THE METER AND STRAINER.
- 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.
- 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.

METER	A	B	C	D	REMARKS
4" TURBO METER	21'-1/2"	3'- 3"	5'- 6"	10'- 10"	
4" TURBO METER FIRE SERVICE	35'-1/16"	3'- 3"	5'- 6"	12'- 0"	
4" COMPOUND METER	33'	3'- 0"	5'- 3"	10'- 8"	WITHOUT TEE
4" NEPTUNE PROTECTUS III FIRE FLOW METER W/STRAINER(FS)	33'	3'- 3"	6'- 0"	11'- 9"	
4" INVENSYS FIRELINE T.M.	51'-7/8"	3'- 3"	6'- 0"	13'- 4"	



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



Tulsa
CITY ENGINEER
Shohu
Design Manager

REVISION	BY	DATE

CITY OF TULSA
4" METER ASSEMBLY AND VAULT
DATE: JULY 2026
STD. 527