



PUBLIC WORKS
Engineering

DATE: July 28, 2026

TO: PAUL ZACHARY,
PUBLIC WORKS DEPUTY
DIRECTOR


FROM: H. SOMDECERFF,
PUBLIC WORKS DESIGN
MANAGER

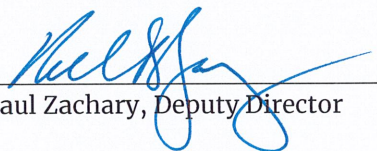
The Specification Review Committee recommends and asks the Public Works Deputy Director to approve the following:

1. Approve Modification to Standard Detail 552- 4"-10" Detector Check Assembly and Vault.
Summary of change:
 - Added "or Approved Equal" to 4"- 6" Neenah R6660-KH R660-NH 24"x 24"
 - 8"-10" Neenah R663-NH 30"x 48" Lid with Cast Iron Frame.
 - In Note 3 changed Engineering Services Department to The City of Tulsa.
 - In Note 5 changed Engineering Services Department to The City of Tulsa.

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

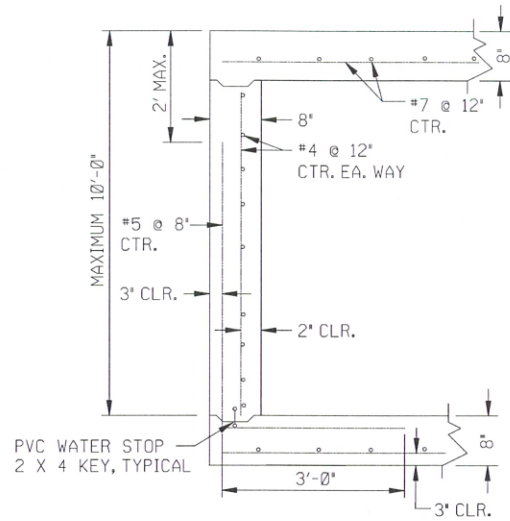
Thank you,

APPROVED:

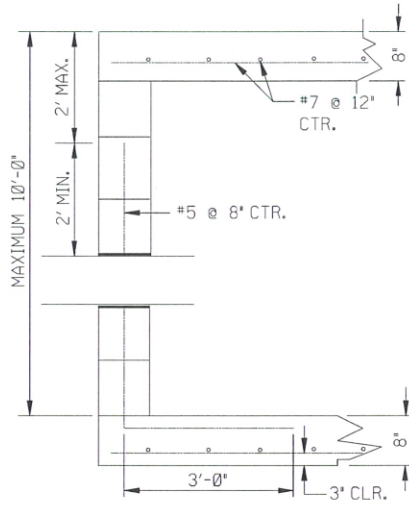

Paul Zachary, Deputy Director


Date

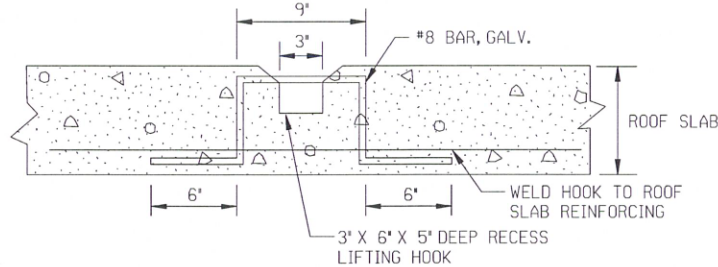
Cc: Public Works Engineering Services Specification Review Committee



REINF. CONCRETE VAULT



CONCRETE BLOCK VAULT



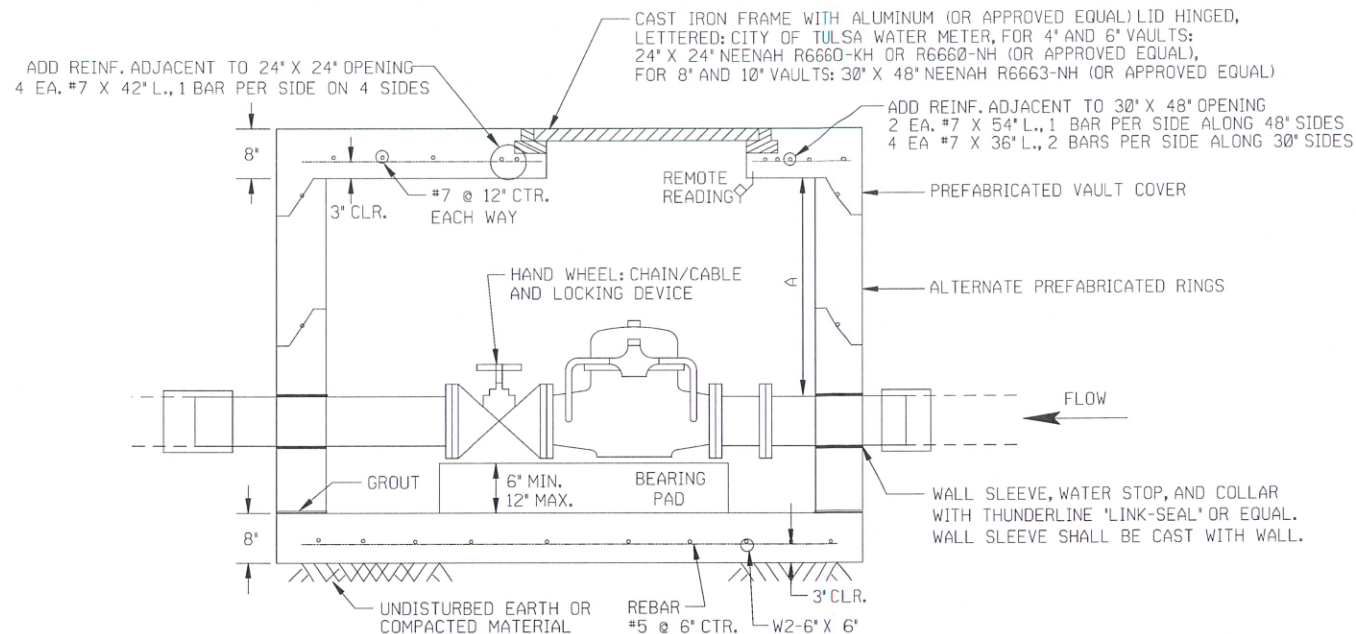
LIFTING HOOK DETAIL

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

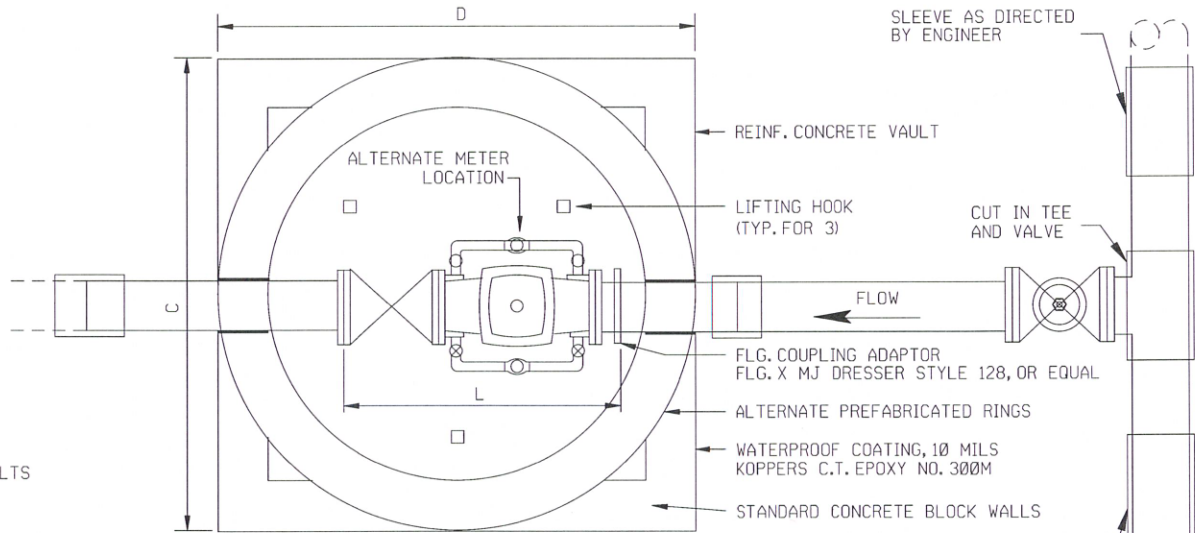
NOTE:

1. CONTRACTOR SHALL FURNISH FITTINGS COMPATIBLE WITH THE TYPE OF PIPE FURNISHED.
2. PRECAST CONCRETE VAULT SECTIONS SHALL CONFORM TO ANSI/ASTM C478.
3. NOTICE SHALL BE GIVEN TO THE CITY OF TULSA 48 HOURS IN ADVANCE S THAT A REPRESENTATIVE OF THE DEPARTMENT 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. 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.
4. WHERE RESTRAINED JOINTS ARE REQUIRED, THEY SHALL BE EBAA MEGALUG SERIES 1100 OR EQUAL.
5. DOUBLE CHECK DETECTOR ASSEMBLY CONSISTS OF TWO SPRING LOADED 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.
6. 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.
7. DRAWINGS NOT TO SCALE.

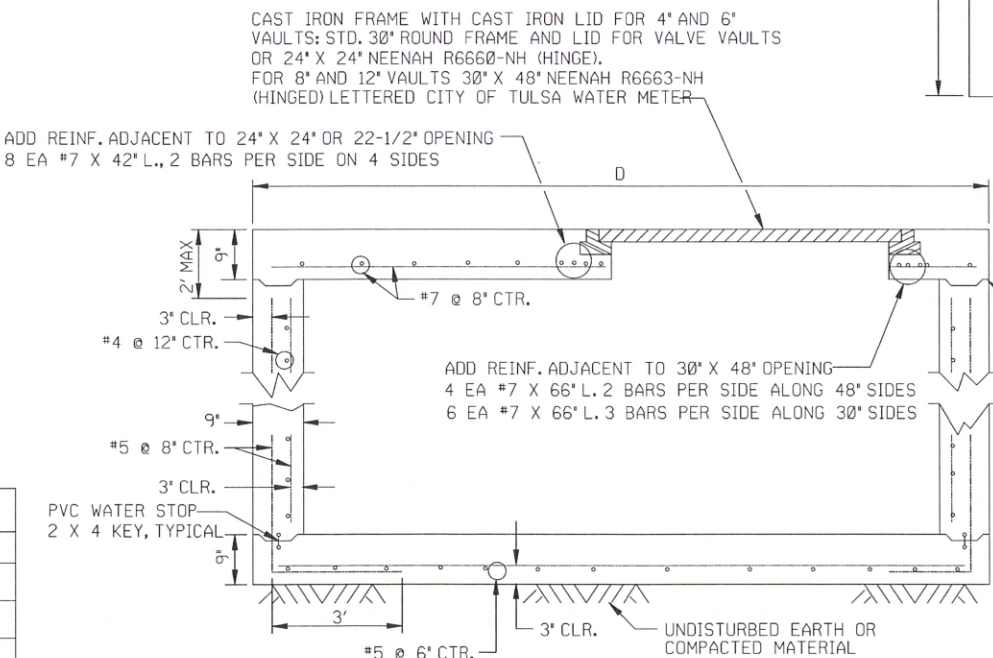
LINE AND DET. CHECK SIZE	REINF. CONCRETE OR CONCRETE BLK. MANHOLE		ALTERNATE PREFAB. RING MANHOLE		ALTERNATE TRAFFIC WAY MANHOLE		L TOTAL LAYING LENGTH	DIM. A, FT. MIN.
	C	D	INSIDE DIA.	WALL THICKNESS	C	D		
4"	5'	5'	5'	6"	5'	5'	34-1/4"	3'
6"	5'	5'	5'	6"	5'	5'	42-1/2"	3'
8"	5'	6'	6'	7"	6'	6'	47-5/8"	4'
10"	5'	8'	8'	9"	8'	8'	58-3/4"	5'



ELEVATION VIEW



PLAN VIEW
VALVE VAULT FOR OFF-STREET USE



ELEVATION VIEW

ALTERNATE VALVE VAULT FOR TRAFFIC LOADS

REVISION	BY	DATE

Toll
CITY ENGINEER
8/10/26
ltp
DESIGN MANAGER

CITY OF TULSA

4"-10" DETECTOR CHECK
ASSEMBLY AND VAULT

DATE: JULY 2026

STD. 552