



PUBLIC WORKS
Engineering

DATE: July 28, 2026

TO: PAUL ZACHARY,
PUBLIC WORKS DEPUTY
DIRECTOR

FROM: H. SOMDECERFF,
PUBLIC WORKS DESIGN
MANAGER

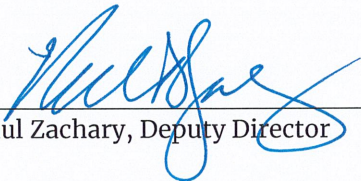
The Specification Review Committee recommends and asks the Public Works Deputy Director to approve the following:

1. Approve Modification to Standard Detail 553-4"-10" Double Detector Check Vault Assembly.
Summary of change:
 - Added "or Approved Equal" to R6660-KH 24"x 24" Lid with Cast Iron Frame.
 - In Note 3 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:

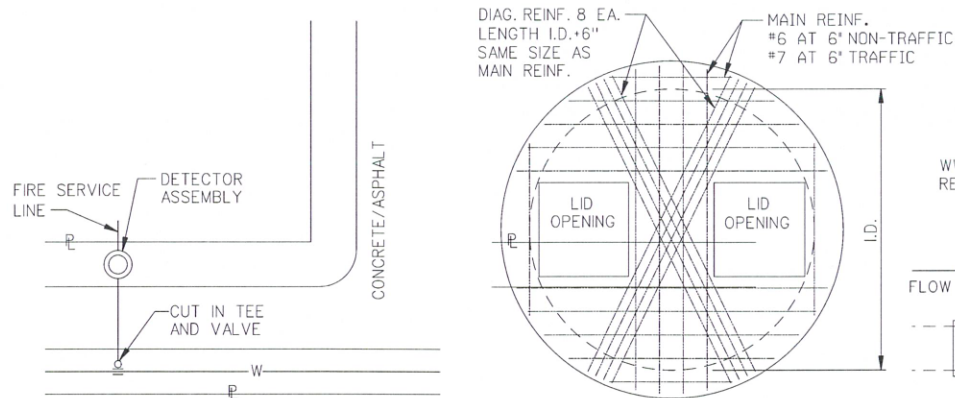


Paul Zachary, Deputy Director

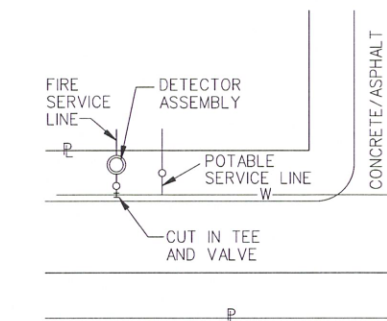


Date

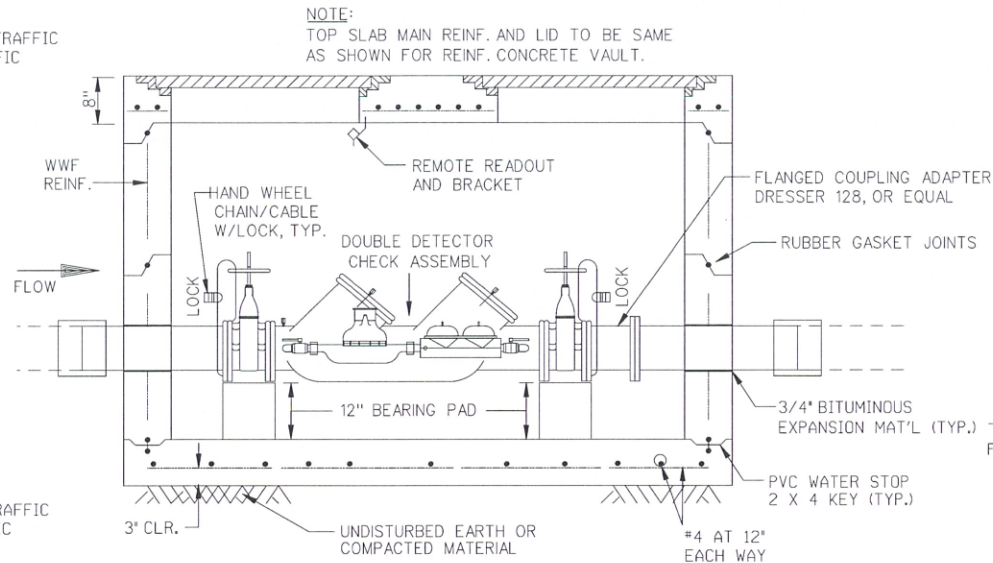
Cc: Public Works Engineering Services Specification Review Committee



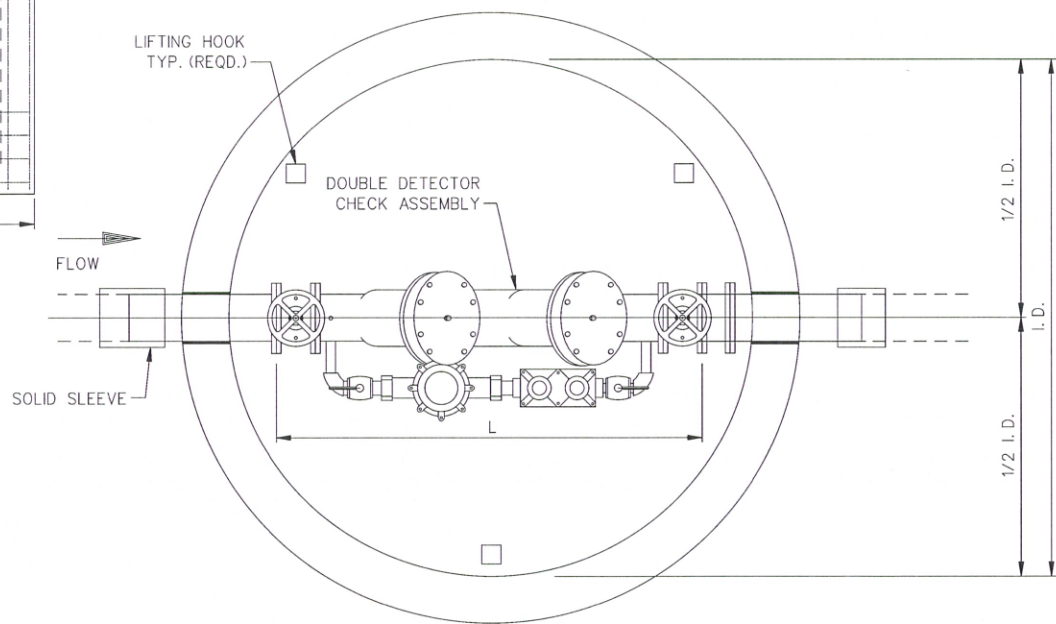
TYPICAL LOCATION
LONG SERVICE



TYPICAL LOCATION
SHORT SERVICE

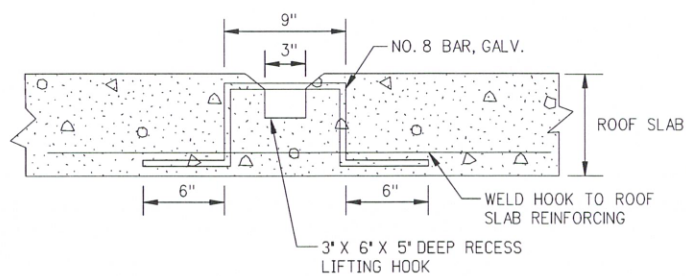


SECTION VIEW



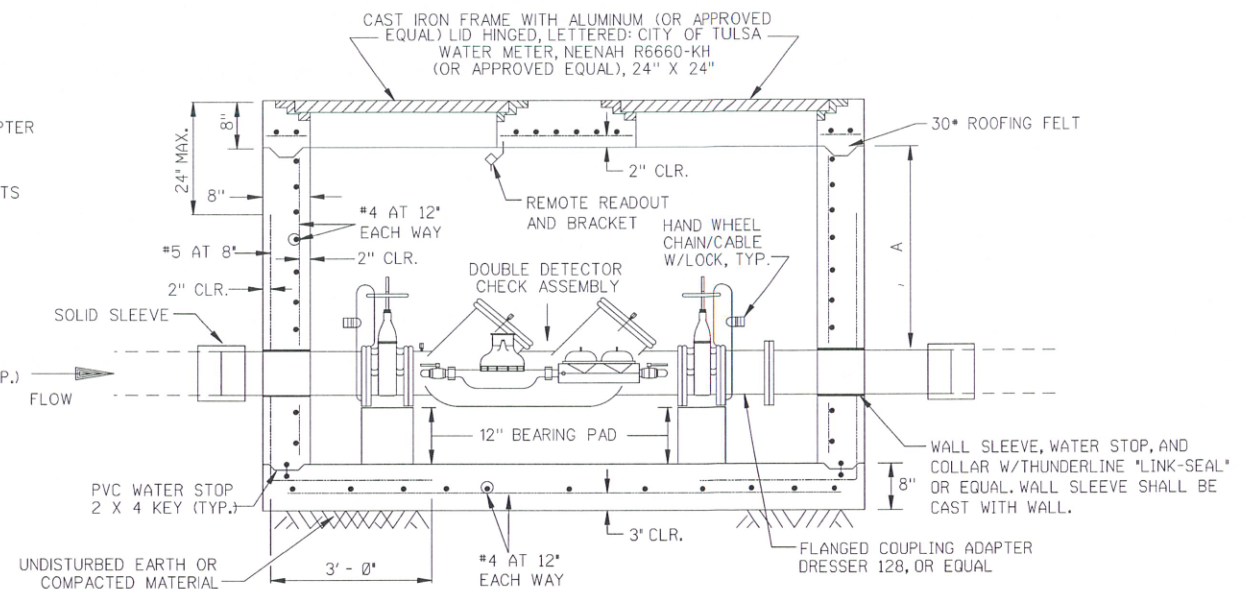
PLAN VIEW

ALTERNATE PRECAST CONCRETE VAULT

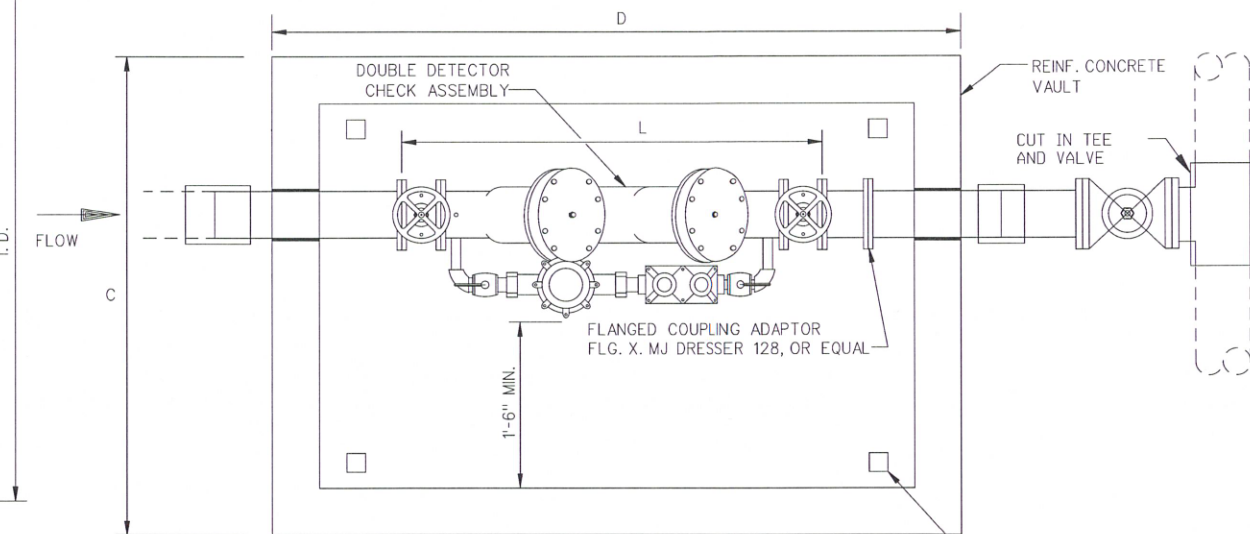


LIFTING HOOK DETAIL

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

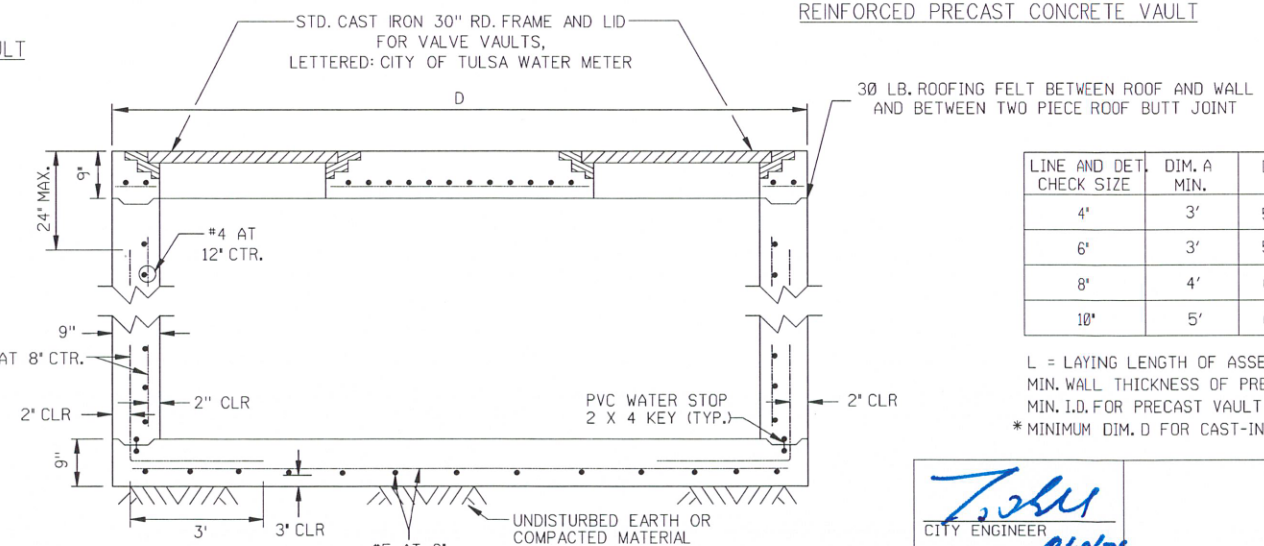


SECTION VIEW



PLAN VIEW

REINFORCED PRECAST CONCRETE VAULT



SECTION VIEW

VALVE VAULT FOR TRAFFIC LOADS

LINE AND DET. CHECK SIZE	DIM. A MIN.	DIM. C MIN.	DIM. D* MIN.	PRECAST CONC. I. D., MIN.
4"	3'	5'- 6"	L + 40"	L + 24'
6"	3'	5'- 9"	L + 40"	L + 24'
8"	4'	6'- 0"	L + 40"	L + 24'
10"	5'	6'- 3"	L + 40"	L + 24'

L = LAYING LENGTH OF ASSEMBLY INCLUDING VALVES
MIN. WALL THICKNESS OF PRECAST VAULT = (1/12 X I.D.) + 1"
MIN. I.D. FOR PRECAST VAULT SHALL BE 72"
* MINIMUM DIM. D FOR CAST-IN-PLACE VAULT SHALL BE 88"

T. J. ...
CITY ENGINEER
8/10/26
tp
DESIGN MANAGER

CITY OF TULSA

4"-10" DOUBLE DETECTOR CHECK
AND VAULT ASSEMBLY

DATE: JULY 2026

STD. 553