



PUBLIC WORKS
Engineering

DATE: July 28, 2026

TO: PAUL ZACHARY,
PUBLIC WORKS DEPUTY
DIRECTOR

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

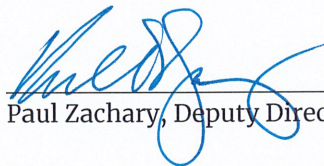
The Specification Review Committee recommends and asks the Public Works Deputy Director to approve the following:

1. Approve Modification to Standard Detail 775-Standard Precast Concrete Stormwater Manhole.
Summary of change:
 - Added 1' Minimum dimension between lid and Pipe Penetration on 6' & 8' manhole detail.

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

Thank you,

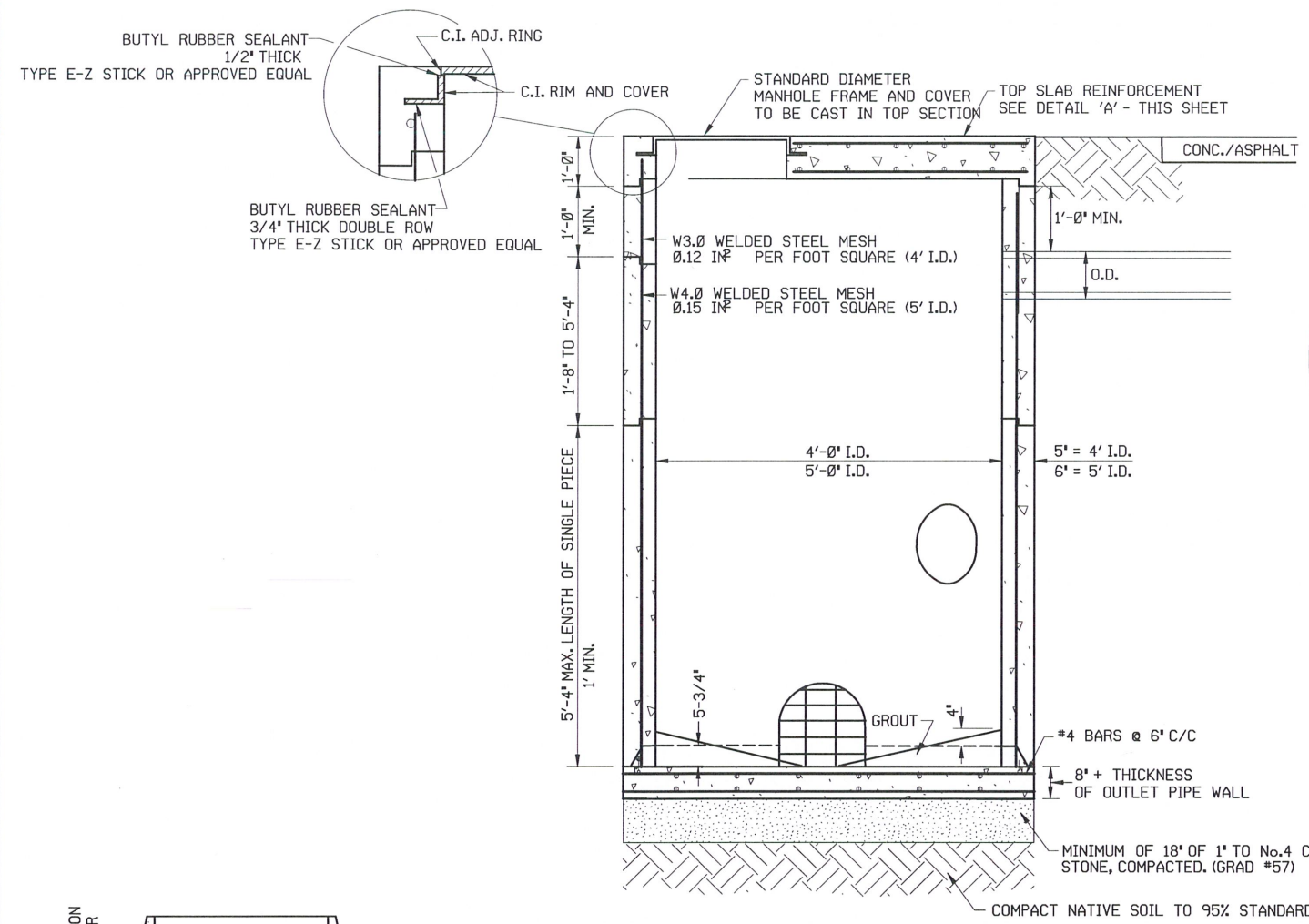
APPROVED:


Paul Zachary, Deputy Director

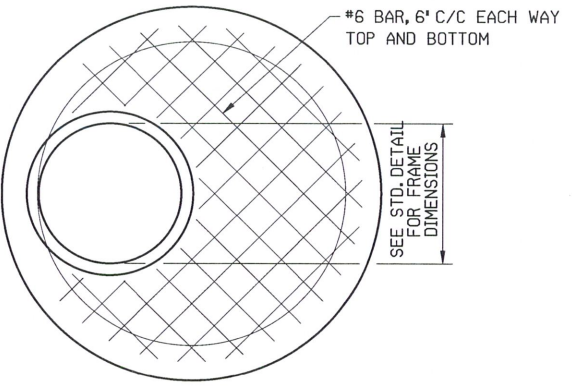
08.06.26
Date

Cc: Public Works Engineering Services Specification Review Committee

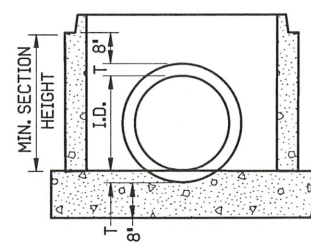
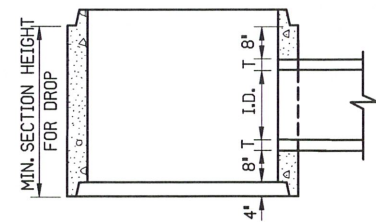
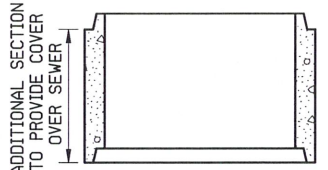
PATH NAME: \\E1\PARTS\STD\DCN_STDS\775-PC-MH.DGN DJN 6/22/2026



PRECAST CONCRETE MANHOLE (4' AND 5' I.D.)

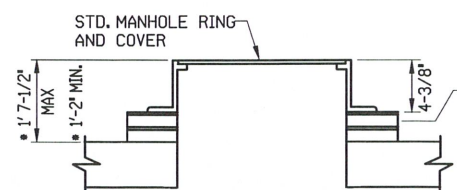
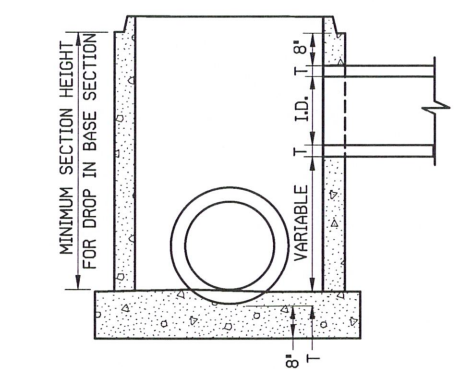


DETAIL 'A'
TOP SLAB REINFORCEMENT
NOT TO SCALE



STANDARD

SECTION SIZING DETAIL
1"=2'-0"

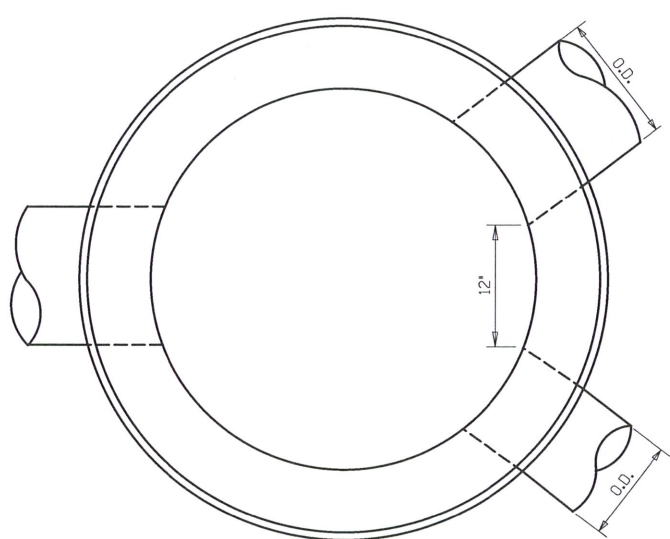


MANHOLE RIM AND SPACER DETAIL
3/4"=1'-0"

** IF MINIMUM THICKNESS CANNOT BE ACHIEVED GIVEN SECTION HEIGHT, CAST-IN-PLACE SHALL BE REQUIRED.

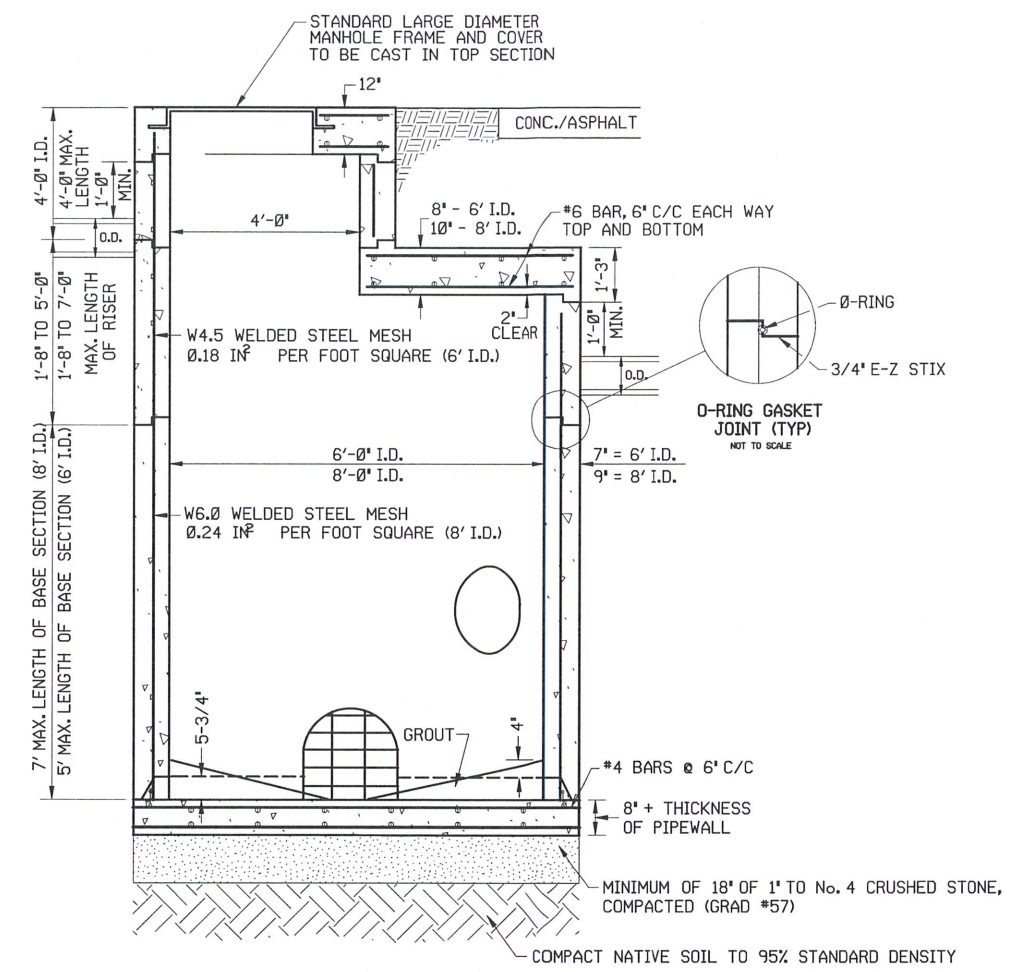
• THESE DIMENSIONS REFLECT 1/2" MORTAR JOINTS BETWEEN CONCRETE RING COURSES. MORTAR JOINTS MAY BE SLIGHTLY REDUCED OR INCREASED TO BRING MANHOLE RIM TO EXACT GRADE.

4" MIN. THICK CONC. RINGS
PREFERRED 1/2" MORTAR JOINT



PLAN
DETAIL STANDARD MANHOLE

NOTE:
THE MINIMUM HORIZONTAL DISTANCE BETWEEN PIPES ENTERING THE MANHOLE SHALL BE 12" (MEASURED AT THE INTERIOR WALL OF MANHOLE).
O.D.=OUTSIDE DIAMETER



PRECAST CONCRETE MANHOLE (6' AND 8' I.D.)

- NOTE:
- ELEVATION AND ARRANGEMENT OF MANHOLE TOPS SHALL BE IN ACCORDANCE WITH TOP DETAILS.
 - SMOOTH WALLS AT TRANSITION FROM CHIMNEY TO FULL SECTION IS REQUIRED. MAX. OFFSET 2"
 - CONCRETE SHALL BE 4000 PSI (MIN).
 - SEAL TONGUE AND GROOVE JOINTS OF PRECAST MANHOLE SECTIONS WITH RUBBER 'O'-RING GASKETS THAT CONFORM TO ASTM C443.
 - OPENINGS FOR INLETS AND OUTLETS SHALL BE MADE TO THE OUTSIDE DIAMETER OF THE INLETS AND OUTLET PIPES. LOCATION OF INLETS AND OUTLETS SHALL BE SHOWN BY THE PLANS. FLEXIBLE GASKETS SHALL BE MAINTAINED IN ACCORDANCE WITH RUBBER JOINT SPECIFICATIONS ASTM C443 AND SHALL MEET THE REQUIREMENTS OF ASTM C425 FOR COMPRESSION JOINTS. THE CONNECTION OF THE PIPE TO THE MANHOLE WALL SHALL BE SEALED WITH APPROVED GROUT OR EQUAL.
 - PRECAST SECTIONS SHALL MEET OR EXCEED REQUIREMENTS OF ASTM C-478 STANDARD SPECIFICATIONS FOR PRECAST CONCRETE MANHOLES.
 - MANHOLE FRAME AND LID MUST BE FLUSH WITH TOP OF THE SURROUNDING CONCRETE SLAB.
 - IF COVER IS 2" FROM TOP OF RIM TO TOP OF PIPE (O.D.) OR LESS, CAST IN PLACE MUST BE UTILIZED.

I.D. = INSIDE DIAMETER
O.D. = OUTSIDE DIAMETER

REVISION	BY	DATE

[Signature]
CITY ENGINEER
8/10/26
[Signature]
DESIGN MANAGER

CITY OF TULSA, OKLAHOMA
STANDARD PRECAST CONCRETE
STORMWATER MANHOLE
DATE: JUNE 2026
STD. 775