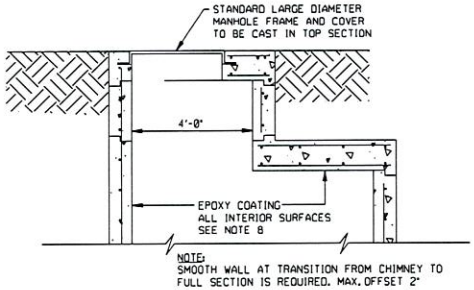
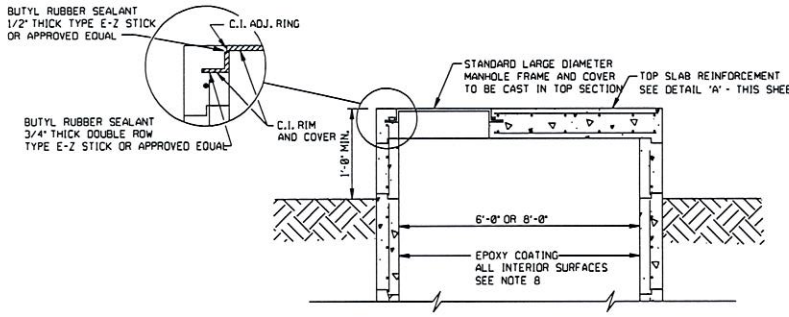
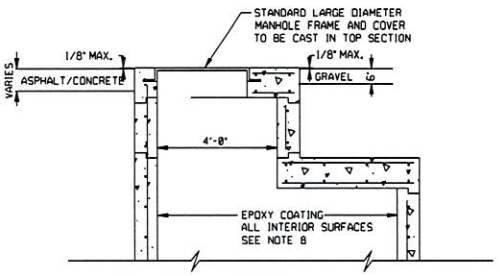


NOTE:
SMOOTH WALL AT TRANSITION FROM CHIMNEY TO FULL SECTION IS REQUIRED. MAX. OFFSET 2"

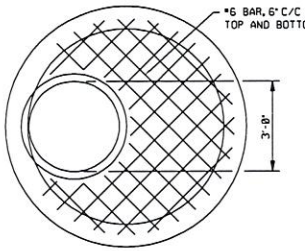
PRECAST MANHOLE TOP
NON-PAVED AREAS (FLUSH)
NOT TO SCALE



PRECAST MANHOLE TOP
NON-PAVED AREAS (RAISED)
NOT TO SCALE



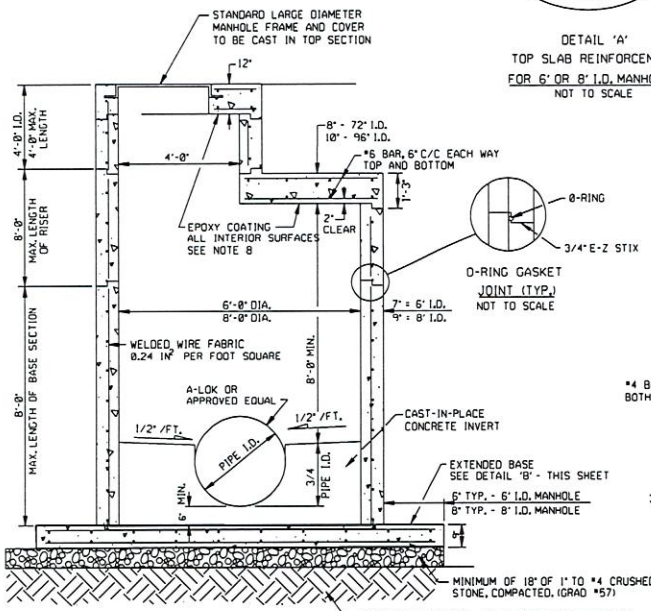
PRECAST MANHOLE TOP
TRAFFIC AREAS
NOT TO SCALE



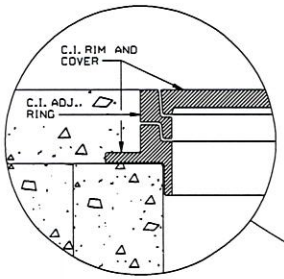
DETAIL 'A'
TOP SLAB REINFORCEMENT
FOR 6' OR 8' I.D. MANHOLE
NOT TO SCALE

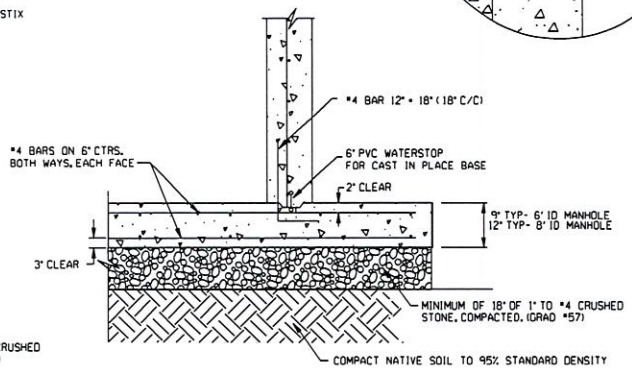
NOTE:

1. ELEVATION AND ARRANGEMENT OF MANHOLE TOPS SHALL BE IN ACCORDANCE WITH TOP DETAILS.
2. SMOOTH WALLS AT TRANSITION FROM CHIMNEY TO FULL SECTION IS REQUIRED. MAX. OFFSET 2"
3. CONCRETE SHALL BE 4000 PSI (MIN).
4. SEAL TONGUE AND GROOVE JOINTS OF PRECAST MANHOLE SECTIONS WITH RUBBER 'O'-RING GASKETS THAT CONFORM TO ASTM C443.
5. OPENINGS FOR INLETS AND OUTLETS SHALL BE MADE TO THE OUTSIDE DIAMETER OF THE INLETS AND OUTLET PIPES AND SHALL PROVIDE A WATERTIGHT AND FLEXIBLE JOINT. 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 ASTH C425 FOR COMPRESSION JOINTS. THE CONNECTION OF THE PIPE TO THE MANHOLE WALL SHALL BE SEALED WITH AN A-LOK OR APPROVED EQUAL.
6. PRECAST SECTIONS SHALL MEET OR EXCEED REQUIREMENTS OF ASTM C-478 STANDARD SPECIFICATIONS FOR PRECAST CONCRETE MANHOLES.
7. THE MANHOLE LOCKING SYSTEM SHALL BE McGARD MAN-LOCK 117869 OR APPROVED EQUAL WHICH SHALL BE KEYED TO THE CITY OF TULSA STANDARD LOCK. (IF REQUIRED)
8. ALL INTERIOR EPOXY MANHOLE COATINGS MUST BE HI-BUILD EPOXY RAVEN 405, PLASGUARD 4500S, OR APPROVED EQUAL. A COAT OF 80 MILS MUST BE APPLIED.
9. REINFORCING STEEL SHALL BE GR. 60.
10. DETAILS ARE FOR CIRCULAR PRECAST MANHOLES ONLY.

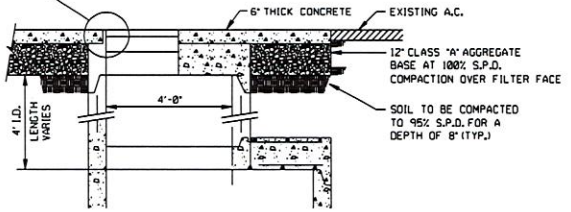


PRECAST MANHOLE (TYPICAL)
NOT TO SCALE





DETAIL 'B' - EXTENDED BASE
NOT TO SCALE



REVISION	BY	DATE

CITY ENGINEER

DESIGN MANAGER

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

STANDARD DETAILS FOR 6' - 8' PRE-CAST SANITARY SEWER MANHOLES

DATE: MARCH 2023 STD. 331

PATH NAME: /EI/PARTS/STD/DGN/SDS/331-SS-PCC-MANHOLE.DGN DN 03/14/2023