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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLET

OF LESS THAN 18" UNLESS OTHER—WISE SPECIFIED BY THE ENGINEER.

PRECAST CONCRETE MANHOLES SHALL

CONFORM TO ASTM C-478. MANHOLES

MUST BE ALLOWED TO CURE A MIN-IMUM OF 3 DAYS PRIOR TO SHIPMENT. THE DATE OF MANUFACTURE AND NAME

OF MANUFACTURER SHALL BE ON ALL

MANHOLE SECTIONS. CONCRETE SHALL

REINFORCEMENT WILL BE PLACED AT A

-BUTYL RUBBER GASKET UNDER RING

GASKET IN ALL JOINTS. JOINTS ON

OUTSIDE OF MANHOLE TO BE

WRAPPED WITH 6" WIDE BUTYL

NON-SHRINK GROUT AFTER

—SEE DETAIL DRAWING FOR

BASE SECTION

ADHESIVE TAPE, ALL LIFT HOLES

SHALL BE COMPLETELY FILLED WITH

"FLEXIBLE MANHOLE CONNECTOR"

BE 4,000 PSI. CIRCUMFERENTIAL

MINIMUM OF 0.12 SQ. INS. PER

AND ALL GRADE RINGS

----O-RING OR BUTYL RUBBER

	PROJECT REFERENCE	NO.	SHEET NO.
L	U-5536		UC-03A
ED	DESIGNED BY: PRJ	Signed b	William California
	DRAWN BY: SSM	Micha	ik 10. Pollando
	CHECKED BY: MAP	32072EY	ASAFDAE S S
	APPROVED BY:	= 1	SEAL 2 =
	REVISED:	=3.	040408
	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	./8/2025	A POLLARILL
	UTILITIES ENGINEERING SEC. PHONE: (919)707-6690 FAX: (919)250-4151	UTILI	TY CONSTRUCTION PLANS ONLY

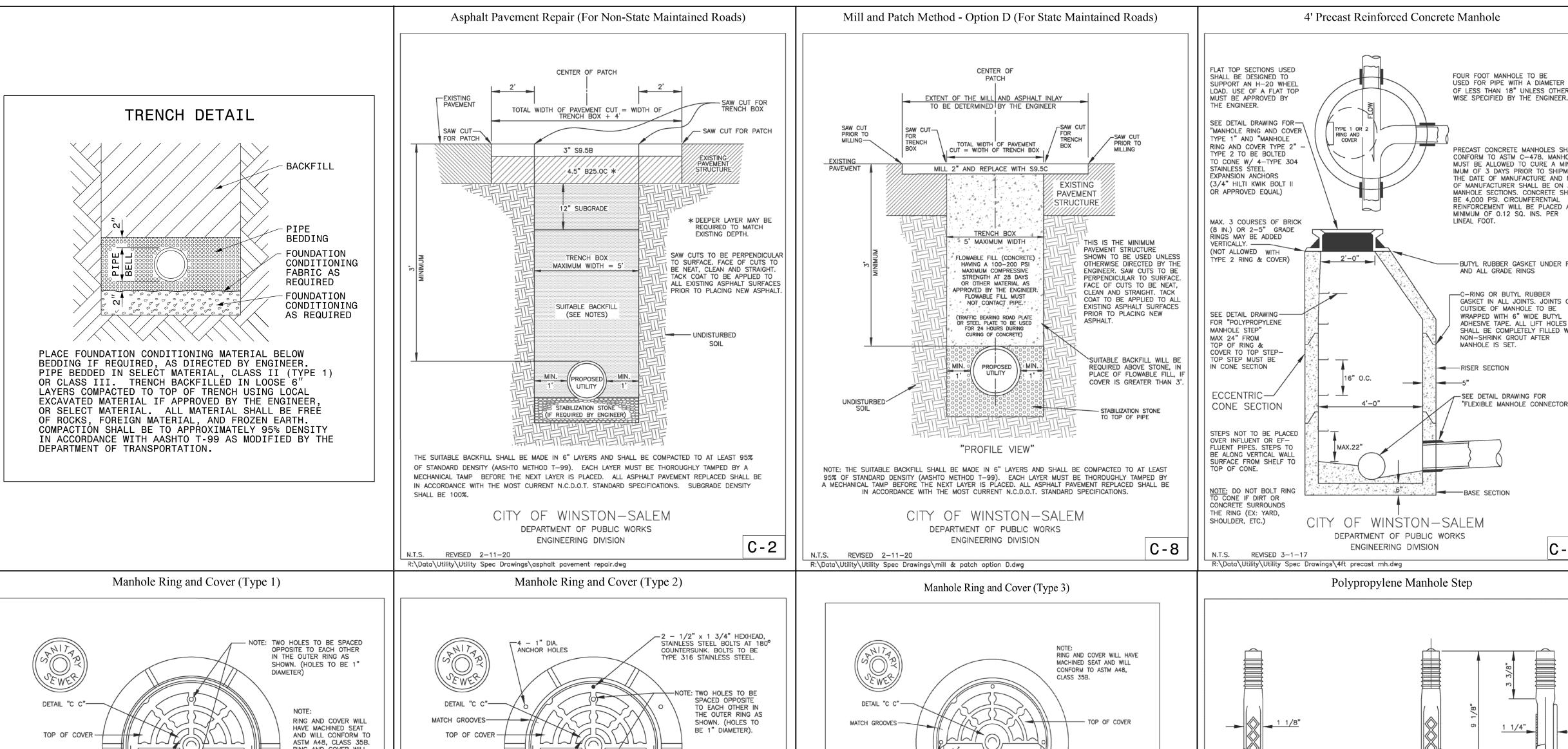
UTILITY

DOCUMENT NOT CONSIDERED FINAL

UNLESS ALL SIGNATURES COMPLETED

CONSTRUCTION

PROJECT TYPICAL DETAILS



BOTTOM OF COVER-RING AND COVER WILL HAVE MACHINED SEAT AND WILL CONFORM TO ASTM A48, CLASS 35B. RING AND COVER WILL BE DESIGNED TO SUPPORT AN H-20 WHEEL LOAD. MINIMUM AVERAGE WEIGHTS DETAIL "B B"-RING 190 LBS. COVER 120 LBS. 310 LBS. 33 1/4" **SECTION** CITY OF WINSTON-SALEM DEPARTMENT OF PUBLIC WORKS

ENGINEERING DIVISION

N.T.S. REVISED 3-1-17

R:\Data\Utility\Utility Spec Drawings\mh ring & cover type 2.dwg

C-19

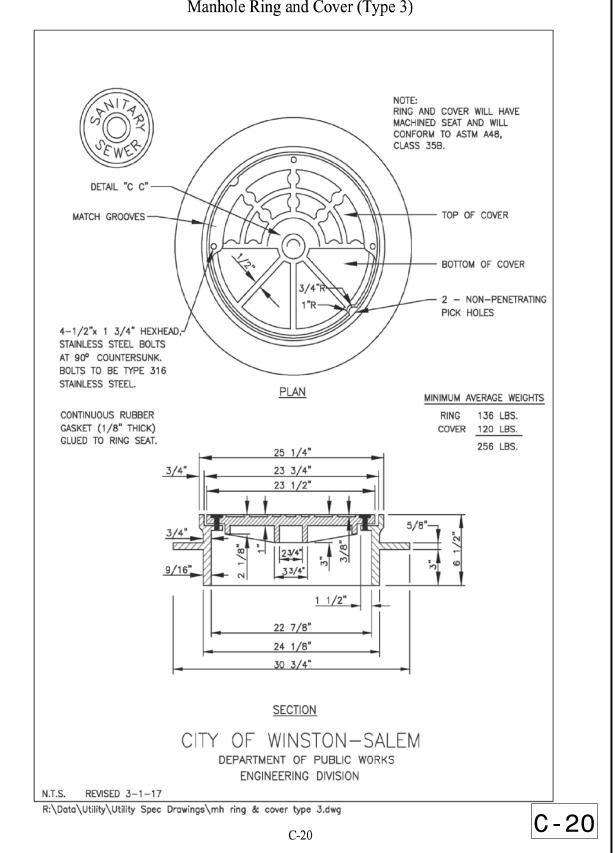
BE DESIGNED TO SUPPORT AN H-20 WHEEL LOAD.

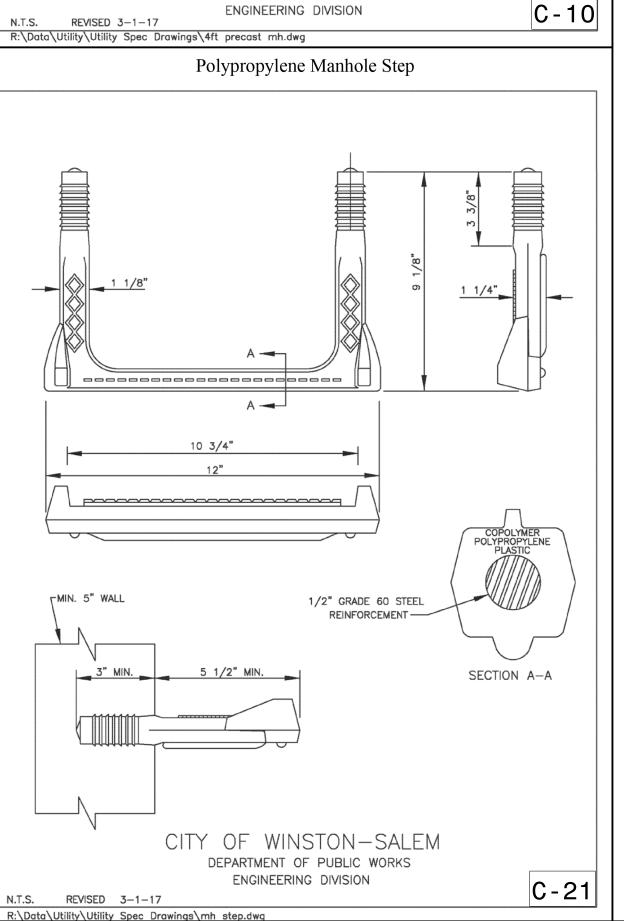
MINIMUM AVERAGE WEIGHTS

RING 190 LBS.

COVER 120 LBS.

310 LBS.





BOTTOM OF COVER -

DETAIL "B B"-

N.T.S. REVISED 3-1-17

23 3/4"

23 1/2"

SECTION

CITY OF WINSTON-SALEM

ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS