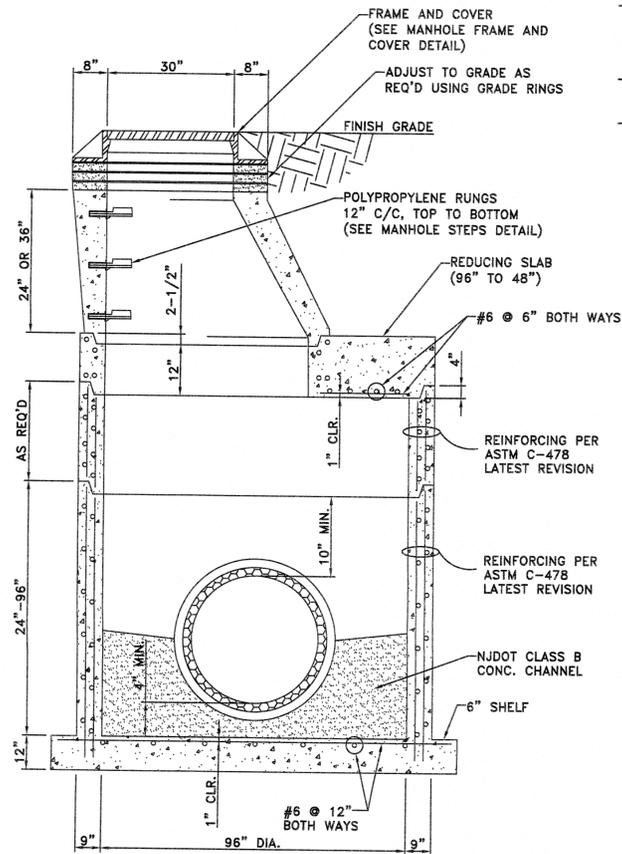


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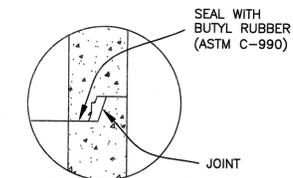


SECTION VIEW
NOT TO SCALE

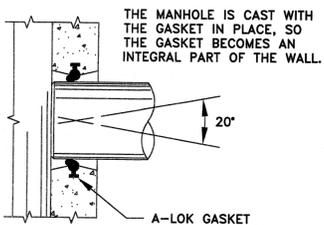
NOTE:
SEE DETAIL 2 SHEET C7
FOR DOGHOUSE CONFIGURATION
& INSTALLATION

DETAIL 1 8' DIAMETER SANITARY SEWER MANHOLE
SCALE: N.T.S.

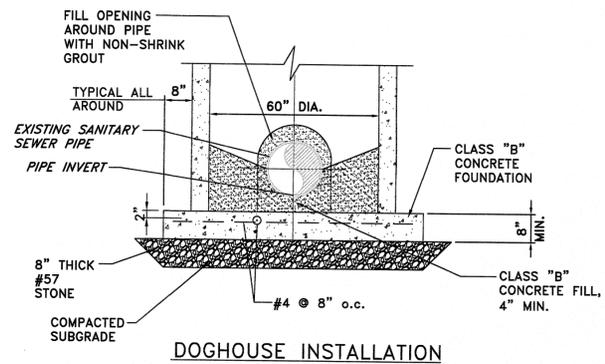
SPECIFICATIONS
 -THE CONCRETE IS DESIGNED TO OBTAIN A STRENGTH OF 4,000 PSI IN 28 DAYS.
 -THE REINFORCING STEEL HAS A YIELD STRENGTH OF 60,000 PSI.
 -THE MANHOLE IS DESIGNED TO MEET THE REQUIREMENTS OF ASTM C-478, "PRECAST REINFORCED CONCRETE MANHOLE SECTIONS."
 -THE REINFORCED CONCRETE STRUCTURE IS DESIGNED TO WITHSTAND AASHTO HS-20 LIVE LOAD CONDITIONS (DESIGN OF HATCH AND/OR FRAME AND COVER BY OTHERS).
 -A-LOK GASKETS ARE DESIGNED TO MEET THE REQUIREMENTS OF ASTM C-923, "RESILIENT CONNECTORS BETWEEN REINFORCED CONCRETE MANHOLE STRUCTURES AND PIPES."
 -THE REINFORCED CONCRETE BASE SLAB IS DESIGNED FOR A MAXIMUM DEPTH OF 30 FT (DEPTH = F.G. TO TOP OF BASE SLAB).
 -THE REINFORCED CONCRETE REDUCING SLAB IS DESIGNED FOR A MAXIMUM EARTH COVER OF 10 FT (EARTH COVER = F.G. TO TOP OF REDUCING SLAB).



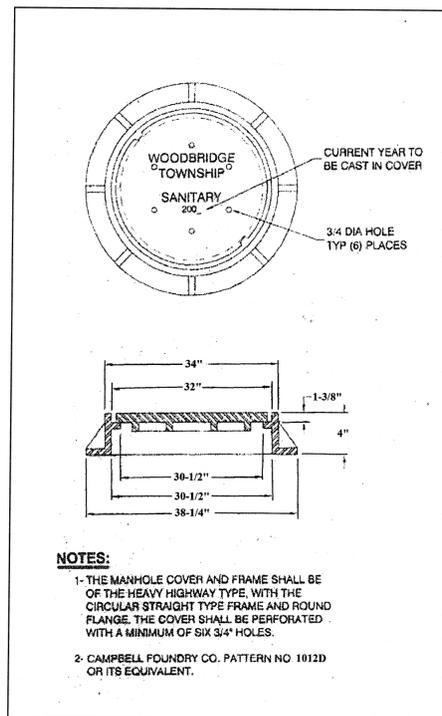
TYPICAL JOINT SECTION
NOT TO SCALE



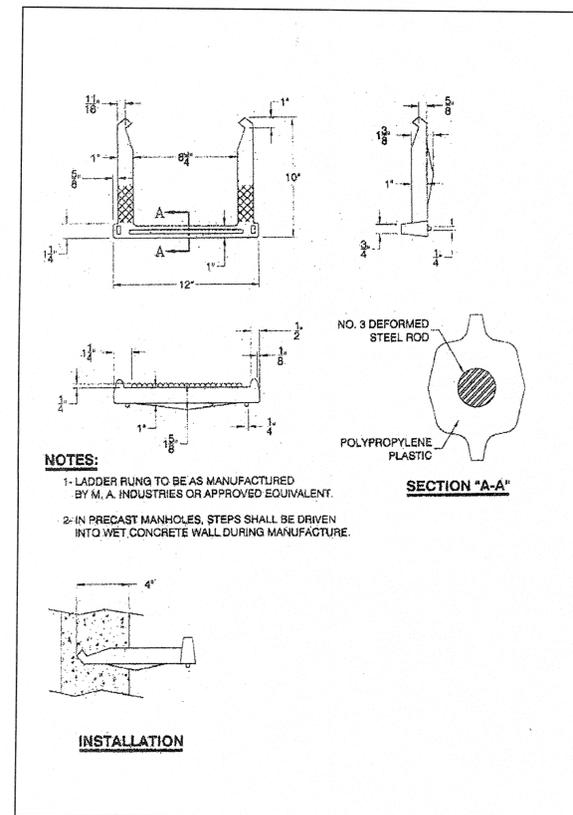
A-LOK (TYP.) SECTION
NOT TO SCALE



DETAIL 2 SANITARY DOGHOUSE MANHOLE INSTALLATION
SCALE: N.T.S.



DETAIL 3 MANHOLE FRAME AND COVER
SCALE: N.T.S.



DETAIL 4 MANHOLE STEPS
SCALE: N.T.S.

APPROVED: Richard A. Alaimo PROFESSIONAL ENGINEER NEW JERSEY LICENSE NO. 13195	REVISIONS DATE BY	 RICHARD A. ALAIMO ENGINEERING COMPANY Consulting Engineers NJDCA 24GA27988800 200 HIGH STREET MOUNT HOLLY, N.J. 2 MARKET STREET PATERSON, N.J.	GRIT CHAMBER UPGRADE CLIENT: WOODBRIDGE TOWNSHIP	DATE: APRIL 2017 DESIGNED BY: LMG DRAWN BY: LMG CHECKED BY:	SHEET C7
	PROJECT LOCATION: WOODBRIDGE TOWNSHIP MIDDLESEX COUNTY NEW JERSEY		PROJECT NO.: B-0726-0023-000 CONTRACT NO.: 1230	CONSTRUCTION DETAILS SCALE: AS NOTED	DEPT. HEAD: