NOTES: CONCRETE — 5000 PSI @ 28 DAYS. MANHOLES SHALL BE MANUFAC MANUFACTURED ACCORDANCE WITH ASTM C478. STEPS SHALL BE MANHOLE COPOLYMER POLYPROPYLENE COATED STEEL CORE. INSTALL MANHOLE BASE ON 8" THICK BASE OF ¾" CRUSHED STONE. REINFORCING STEEL SHALL CONFORM TO ASTM A-185. PRECAST MANHOLES SHALL BE MANUFACTURED STANDARD MANHOLE FRAME & COVER EQUAL TO BY AN APPROVED MANUFACTURER. CAMPBELL FOUNDRY, PATTERN NO. 1032 OR EQUAL, OR WATERTIGHT M.H. FRAME AND COVER. (SEE DETAILS S-1A, S-1B) MORTAR (TYP.) 11" MAX. ADJUST TO REQUIRED GRADE **OPENING** WITH A MINIMUM OF TWO COURSES OF BRICK MASONRY OR REINFORCED CONCRETE GRADE RINGS. 4'-24"ø R PROVIDE RESILIENT CONNECTION BOOT, PRECAST, OR INSTALL IN MACHINE-CORED OPENING. 12" TYP. PROVIDE VENT FOR WATERTIGHT MANHOLE OR FORCEMAIN MANHOLE STEP * MANHOLE (SEE DETAIL S-9) (SEE NOTE 3) SELECT GRANULAR BACKFILL JOINT SEALED WITH BUTYL RUBBER HAVING STONES NOT LARGER SEALANT CONFORMING TO ASTM C-990 THAN 2" NOMINAL DIMENSION AND/OR AASHTO M-198 (TYP.) WITHIN 2' OF CIRCUMFERENCE OF MANHOLE WALL. 5<u>N</u> BRICK MASONRY FILL INVERT SEE DETAIL S-4 160N FILTER FABRIC (OR EQUIVALENT AS APPROVED BY CITY ENGINEER) 5" MIN. @ OUTLET 4 6" 4'-0"ø MIN! 5'-10"ø INFORMATION SHOWN ON THIS DETAIL WAS PREPARED FOR USE BY THE CITY OF MILFORD, RESPONSIBILITY FOR REUSE FOR THIS INFORMATION RESIDES WITH THE USER. THE CITY OF MILFORD, ITS EMPLOYEES, ASSIGNS OR AGENTS ARE TO BE HELD HARMLESS AGAINST ANY LABILITY RESULTING FROM ANY OCCURRENCE ASSOCIATED WITH THE REUSE OF THIS INFORMATION ALTERATION OF THIS STANDARD DETAIL IS STRICTLY UNAUTHORIZED WITHOUT THE APPROVAL OF THE CITY ENGINEER. CROSS-SECTION NOTE: THIS DRAWING SUPERSEDES ALL PRIOR VERSIONS, DRAWING MAY BE REVISED WITHOUT PRIOR NOTICE. CONTACT ENGINEERING DEPARTMENT FOR CURRENT VERSION. N.T.S. CITY OF MILFORD DEPT. OF PUBLIC WORKS 48" PRECAST SANITARY SEWER MANHOLE <u>DATE:</u> JUNE 19, 2017 ENGINEERIG BUREAU

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CITY ENGINEER