FORM CHANNEL TO FULL DEPTH OF PIPE w/ CONCRETE AND PROVIDE SMOOTH FINISH. BENCH SHALL HAVE MIN 1"/FT AND MAX 2"/FT SLOPE.

EXISTING CIPP-LINED PIPE

CUT OUT TOP OF PIPE WITH CUT-OFF MACHINE AFTER FORMING SHELF - SEAL ANNULAR SPACE BETWEEN CIPP LINER AND HOST PIPE W/TWO-PART, 100% SOLIDS, EPOXY-BASED PATCHING COMPOUND (SPASH ZONE A-788 BY CARBOLINE COMPANY OR AN APPROVED EQUAL).

NOTES:
1. ALL PRECAST REINFORCED CONCRETE MANHOLE SECTIONS SHALL COMPLY WITH ASTM C-478.

2. CEMENT SHALL BE TYPE II OR III, AIR ENTRAINED, WITH 4,000 psi AT 28 DAYS.

3. REINFORCEMENT SHALL BE GRADE 60 PER ASTM A-615.

4. ALL JOINTS SHALL BE SEALED WITH EITHER TWO RINGS PREFORMED PLASTIC SEALING COMPOUND OR ONE O-RING GASKET AND ONE RING OF PLASTIC SEALING COMPOUND.

5. COAT MANHOLE EXTERIOR WITH DAMP PROOFING (PROMASTIC 900 COAL TAR).

6. COAT MANHOLE INTERIOR WITH H2S CORROSION PROTECTION (PRO GUARD PROCOAT 2228 WHITE EPOXY).

7. REFER TO DETAIL 13 FOR ADDITIONAL MANHOLE CONSTRUCTION REQUIREMENTS.

CAST-IN-PLACE BASE
NEW MANHOLE OVER EXISTING CIPP-LINED SEWER

SECTION

PRECAST CONCRETE BARREL SECTION
MANHOLE STEP – ½” STL REINFORCING BAR ENCASED IN COPOLYMER PROPYLENE PLASTIC
FORM CHANNEL TO CONVEY FLOW FROM NEW PIPE TO MAIN CHANNEL OF MANHOLE
FORM GROOVE IN MANHOLE BASE TO RECEIVE TONGUE OF MANHOLE BARREL AND GASKET

WATERSTOP – NOT REQUIRED IF POURED MONOLITHICALLY
CAST-IN-PLACE CONCRETE BASE
6” AASHTO No. 8 (PennDOT 1B) STONE BEDDING
#4@8” EW CONCRETE FILL
INVERT OF PROPOSED PIPE TO MATCH CROWN OF CIPP-LINED PIPE

NO SCALE