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

CUT EXIST PIPE AND INSTALL FLEXIBLE COUPLINGS WITH STAINLESS STEEL BANDS

CUT OUT TOP OF PIPE AFTER FORMING SHELF

NOTES:
1. ALL PRECAST REINFORCED CONCRETE MANHOLE SECTIONS SHALL COMPLY WITH ASTM C-478.
2. CEMENT SHALL BE TYPE II OR III, AIR ENTRAIN 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.

PLAN

PRECAST CONCRETE BARREL SECTION

MANHOLE STEP – ½" STL REINFORCING BAR ENCASED IN COPOLYMER PROPYLENE PLASTIC

FORM GROOVE IN MANHOLE BASE TO RECEIVE TONGUE OF MANHOLE BARREL AND GASKET

EXIST PIPE

8" (MIN)
3" CLR
6" (MIN)

UNDISTURBED EARTH

CAST-IN-PLACE CONCRETE BASE

WATERSTOP – NOT REQUIRED IF POUR MONOLITHICALLY

6" AASHTO No. 8 (PennDOT 1B) STONE BEDDING

#4@8" EW

CONCRETE FILL

CAST-IN-PLACE BASE

NEW MANHOLE OVER EXISTING SEWER

DETAIL

NO SCALE

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