

RING AND COVER PER
NBU DTL #331

ENCASEMENT PER
NBU DTL #322
(ALL MANHOLES)

CONCENTRIC CONE

34 1/2"

24" MIN.

MANHOLE GASKETS
CONFORMING TO
ASTM C-443 (TYP)

BRING CONCRETE 6"
ABOVE PIPE

WYE MUST BE
USED, TEE IS
NOT ACCEPTABLE

PRECAST CONCRETE OR
POLYMER SECTION PER
ASTM C-478

48" I.D.
(MIN)

CRETEX WRAP OR NBU
APPROVED EQUAL ON ALL
JOINTS (TYP.)

4" MIN.
(TYP)

PRECAST BASE
W/REINFORCEMENT
PER ASTM C-478

12" MIN.

2' MIN.
8' MAX.

6" MIN. COARSE
AGGREGATE TO
EXTEND MIN. 12"
AROUND MANHOLE

1:12 (8%) SLOPE

CLASS A
CONCRETE

PIPE TO MANHOLE
CONNECTOR
CONFORMING TO
ASTM C-923 (TYP)

"U" SHAPED INVERT MIN.
3/4 LARGEST PIPE I.D.

4" MIN.

4" MIN.

PIPE TO MANHOLE
CONNECTOR
CONFORMING TO
ASTM C-923 (TYP)

FILL ANNULAR
SPACE W/
NON-SHRINK
GROUT
GROUTED
INVERT W/
OFFSET TO
MATCH
FLOWLINE
OF PIPE

*CONTRACTOR SHALL LEVEL AND
PLUMB THE BASE PRIOR TO SETTING
THE PRECAST MANHOLE RISER
SECTIONS ON THE PRECAST
CONCRETE BASE.