STANDARD PRECAST BASE MANHOLE

TYPE B

NOTE:
USE TYPE B MANHOLE WITH MANHOLE DEPTH OF OVER 5 FB.
MANHOLE IS CALLED IN OTHERWISE OF DRAWING.

PRECAST TOP SLAB MANHOLE

TYPE B

NOTE:
USE TYPE B MANHOLE FOR BASE AND WALL DETAILS.

SECTION

STANDARD PRECAST BASE MANHOLE

TYPE A

NOTE:
CONTRACTOR SHALL REMOVE MANHOLE STEPS AND BRICK AFTER MANHOLE TESTING IS SUCCESSFULLY COMPLETED AND ACCEPTED BY THE CITY.
MANHOLE CONSTRUCTION NOTES

1. ALL MANHOLES SHALL BE PRECAST MANHOLE UNITS UNLESS OTHERWISE APPROVED.

2. ANY GAPS, HOLES, BOWING SPOTS, ETC., IN THE CHANNELS SHALL BE FILLED OR REPAIRED IN THE FIELD.

3. THE MANHOLES SHALL BE SET 0 TO 6 INCHES BELOW FINISH GRADE AND THEN ADJUSTED TO GRADE WITH GRADE WAFES AS REQUIRED.

4. SLOPE SECTION SHALL BE ECCENTRIC WITH THE MANHOLE ACCESS ORIENTED ABOVE DOWNSTREAM SIDE.

5. SHOULD THE CITY DETERMINE THE NATIVE MATERIAL IS UNSTABLE OR INEFFECTUAL, ADDITIONAL MAXIMAL SHALL BE INSTALLED AS OUTLINED IN THE TECHNICAL SPECIFICATIONS.

6. FLOW CHANNEL, IN MANHOLE SHALL DROP A MINIMUM UP 0.1 FEET FROM INLET TO OUTLET.

7. IN MANUFACTURING THE MANHOLES, THE CONTRACTOR IS ADVISED TO ADHERE TO THE DETAILS ON THIS SHEET WHICH SHOW THE TELEPHONE PIPES SLOPE CALCULATED TO THE CENTERLINE OF THE MANHOLE.

8. ALL MANHOLE CHANNELS SHALL BE CONSTRUCTED IN THE MANHOLE BASE U-SHAPE FORM. ALL SLOPES SHALL BE FINISHED IN A ROUNDED LINE FROM TOP TO SITE. SLOPE TO DRAW INTO CHANNEL AT 1/2 MAXIMUM SLOPE.
MANHOLE AND CLEANOUT
CONCRETE COLLAR DETAIL
ASPHALT PAVEMENT
N.T.S.

MANHOLE AND CLEANOUT
CONCRETE COLLAR DETAIL
GRAVEL STREETS OR NATURAL GROUND
N.T.S.

REQUIREMENTS FOR CONCRETE COLLAR
1. CONCRETE: 3"x4" 2 SAC, 4000 PSI @ 28 DAYS, 2" TO 4" SLUMP, 4:78 AIR.
2. COLLAR TO BE FORMED AND BE UNIFORMLY ROUND.
3. SMOOTH BROUGHSH Finish REQUIRED.
4. APPLY CONCRETE CURING COMPOUND.
5. PROTECT FROM TRAFFIC FOR 4 DAYS MINIMUM.

MANHOLE CONCRETE COLLAR DETAIL
PLAN
N.T.S.

CITY OF
BOARDMAN, OREGON
STANDARD DRAWING
SANITARY SEWER
MANHOLE AND CLEANOUT
CONCRETE COLLAR DETAILS

FIGURE S5

REVISION
DATE
ORIGINAL DEVELOPMENT MARCH 2001
NOTE:
1. SERVICE LINE IS NOT NECESSARY AT 90° TO SEWER MAIN, PROVIDE FITTINGS AS REQUIRED TO INSTALL SERVICE.
2. DEPTH OF SEWER MAIN MAY NOT ACCOMMODATE 180°/180° 45° ANGLE ORIENTATION, CONTRACTOR SHALL HAVE ALTERNATE ALIGNMENT APPROVED BY CITY.

SEWER SERVICE LINE

REVISION DATE
ORIGINAL DEVELOPMENT MARCH 2021

CITY OF BOARDMAN, OREGON
STANDARD DRAWING
SANITARY SEWER
SEWER SERVICE LINE

FIGURE S6
WATER-SEWER CROSSING
(NEW SEWER LINE CONSTRUCTION)

NOTE:
ALL BACKFILL IN AREA OF WATER-SEWER CROSSING TO A DEPTH 12" ABOVE THE TOP OF THE HIGHEST PIPE SHALL BE 5:A:O BASE ROCK COMPACTED TO 95% OF ASTM D-498 LABORATORY SPECIFICATION.