

5-1/23

**THE METROPOLITAN DISTRICT  
BUREAU OF PUBLIC WORKS**

**SEWER STANDARDS PLANS**

**MANHOLES AND GENERAL NOTES**

**PLAN SERIAL NO. 12272**

**GENERAL NOTES**

**TYPE I MANHOLE**

**TYPE II MANHOLE**

**TYPE III MANHOLE (DROP MANHOLE)**

**TYPE IV MANHOLE (DROP MANHOLE)**

**SPECIAL OUTSIDE DROP**

**TRENCH AND FOUNDATION SECTIONS, UTILITY SUPPORTS, CHIMNEYS AND  
CONNECTIONS**

**PLAN SERIAL NO. 12273**

**TYPICAL FOUNDATION SECTIONS**

**TYPICAL TUNNEL SECTIONS**

**TYPICAL CONSTRUCTION IN LOW LANDS INCLUDING TYPE V MANHOLE**

**TYPICAL SUPPORTS FOR EXISTING UTILITIES ACROSS SEWER TRENCHES**

**CONNECTION CHIMNEY**

**TYPICAL CONNECTION BRANCHES**

**CAST IRON MANHOLE STEPS**

**ALUMINUM MANHOLE STEPS**

**SPECIAL CAST IRON STEP FOR PLASTICRETE CONCRETE BLOCK MANHOLES**

**MANHOLE FRAME AND COVER**