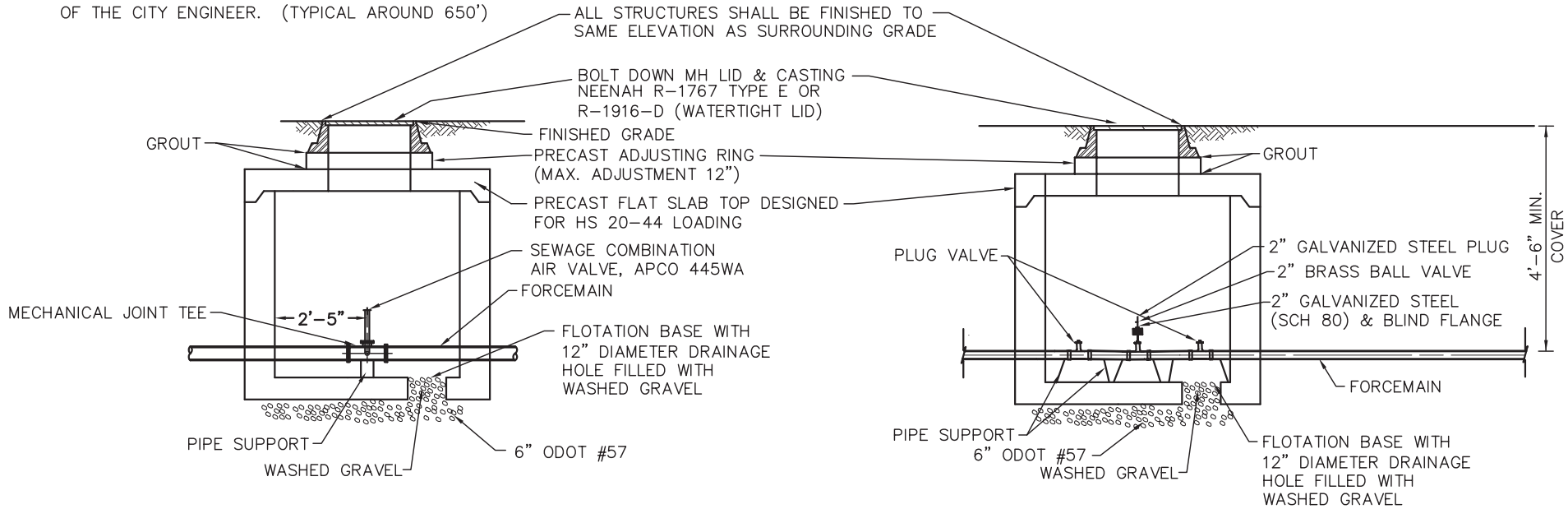


**NOTES:**

- A. ALL FITTINGS TO BE RESTRAINED.
- B. CHIMNEY SEALS MUST BE INSTALLED.
- C. PRECAST MANHOLE RISER SECTION 5'-0" DIAMETER MIN. ASTM C478. NOTE ACTUAL SIZE TO BE DESIGNED WITH SIZE OF FORCEMAIN AND EACH INDIVIDUAL SITUATION.
- D. IN WET AREAS SEAL BOTTOM WITH POURED CONCRETE BASE OR PRECAST MANHOLE BASE.
- E. LOCATION OF THESE ARE AT THE DISCRETION OF THE CITY ENGINEER. (TYPICAL AROUND 650')



**SEWAGE COMBINATION  
AIR VALVE IN MANHOLE**

**FORCE MAIN PRESSURE  
CLEANOUT**