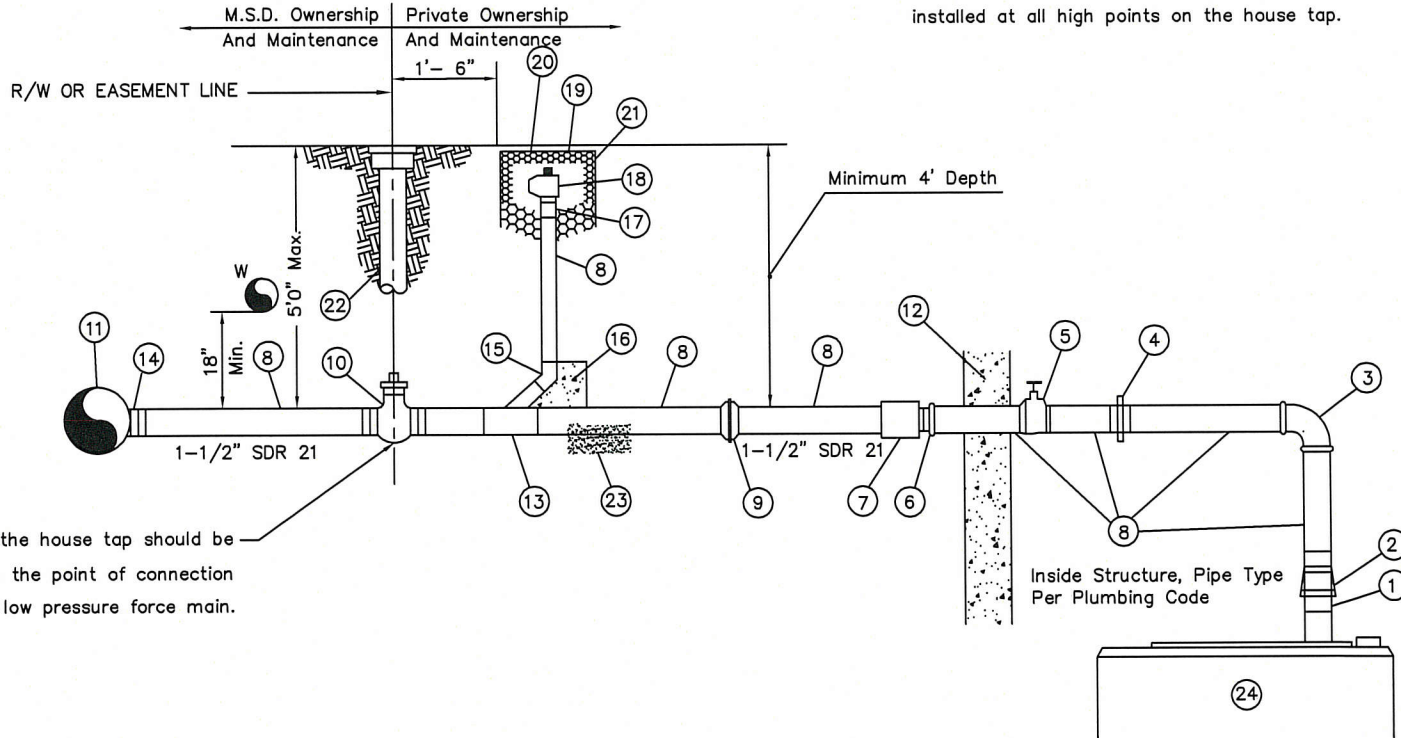



Note: It is recommended that air release valves be installed at all high points on the house tap.



This point of the house tap should be 6" lower than the point of connection to the public low pressure force main.

- |  |  |   |
|--|--|---|
| ① Grinder Pump Discharge - 1 1/2" NPT                          | ⑫ Foundation Wall  | ⑲ Insulation  |
| ② Adapter - 1 1/2" FPT x 1 1/2" Sweat Copper                   | ⑬ 1 1/2" x 1 1/2" Wye PVC  | ⑳ Cover - Concrete, Steel, etc.:<br>Weatherproof, Vandalproof                             |
| ③ Elbow 90° 1 1/2" Sweat Copper (NIBCO 607 or Equiv.)          | ⑭ Wye 2" x 2" w/ 2" x 1 1/2" Adapter For Tap   | ㉑ Meter Box   |
| ④ Disconnect Joint - 1 1/2" Union or Compression Type Coupling | ⑮ Elbow - 45°, 1 1/2" PVC  | ㉒ Stop Box - Ametek Roadway Valve Box or<br>approved equal. Lid shall be labeled "SEWER". |
| ⑤ Valve - 1 1/2" Fully Ported (Gate, Ball, Valve, etc.)        | ⑯ Concrete Thrust Block  | ㉓ Gravel Bedding  |
| ⑥ Adapter - 1 1/2" NPT x Sweat Copper (NIBCO 604 or Equiv.)    | ⑰ Threaded Adapter   | ㉔ Grinder Pump  |
| ⑦ Adapter - 1 1/2" FPT x 1 1/2" Socket PVC                     | ⑱ 1 1/2" Gate Valve - Wrench<br>Operated (Sears or Equal)<br>W/Threaded Flushing Adapter |   |
| ⑧ Pipe - 1 1/2" PVC W/Gasket Joints (160 P.S.I. Minimum)       |  |   |
| ⑨ Check Valve - 1 1/2" Fully Ported Swing Type                 |  |   |
| ⑩ Stop 1 1/2" NPT, Brass (N\A)                                 |  |   |
| ⑪ Low Pressure Main  |  |   |

THE  
METROPOLITAN SEWER DISTRICT  
OF  
GREATER CINCINNATI  
STANDARD BUILDING  
CONNECTION TO A LOW  
PRESSURE FORCE MAIN

NO SCALE DATE: AUG., 2006  
APPROVED:  SEWER CHIEF ENGINEER

ACC. NO. 49069