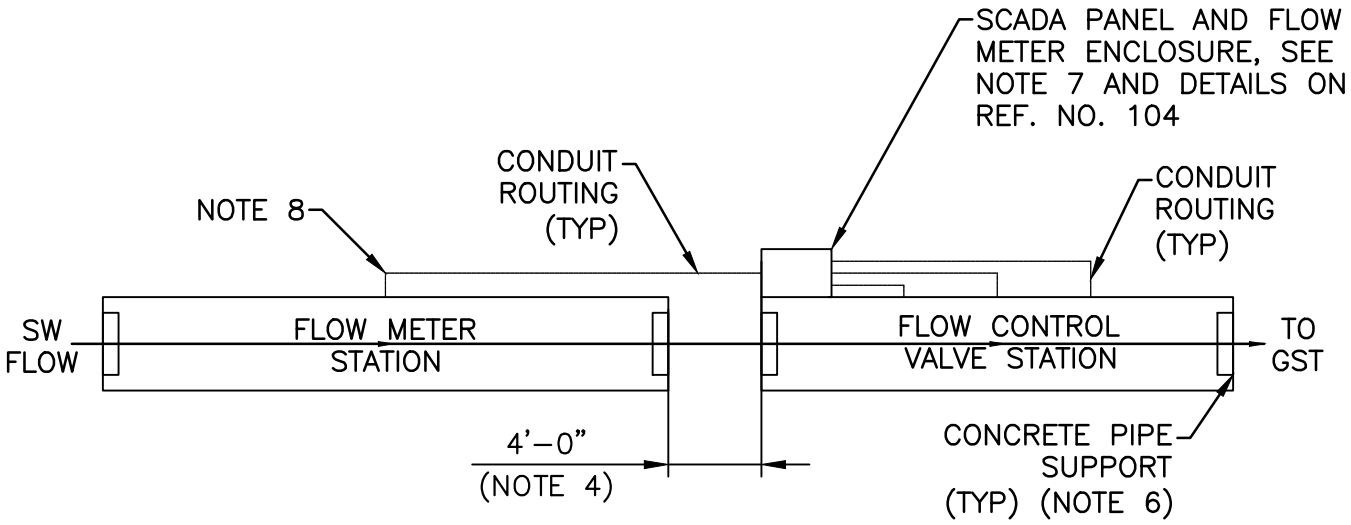

FLOW METER/FLOW CONTROL VALVE STATION SITE LAYOUT NO. 1 – PREFERRED

SCALE: NTS

NOTES:

1. THE FLOW METER STATION AND FLOW CONTROL VALVE STATION SHALL BE SITUATED ON THE SITE PER SITE CONSTRAINTS. LAYOUT ALTERNATIVES PROVIDED HERE ARE SUGGESTIONS AND ARE NOT ALL INCLUSIVE. THE SITE MAY REQUIRE A LAYOUT NOT SHOWN HERE.
2. LAYOUT NO. 1 IS THE PREFERRED LAYOUT AND SHALL BE UTILIZED IF POSSIBLE GIVEN SITE CONSTRAINTS.
3. SCADA PANEL DETAIL PROVIDED ON REF. NO. 104 IS THE PREFERRED PANEL LAYOUT. IF THE FLOW METER MANUFACTURER OR THE MUD RECOMMENDS A SEPARATE FLOW METER PANEL LOCATION, USE THE DETAILS ON REF. NO. 107.
4. 4'–0" IS THE RECOMMENDED DISTANCE BETWEEN THE FLOW METER STATION SLAB AND THE FLOW CONTROL VALVE STATION SLAB. THE DISTANCE MAY BE MORE OR LESS DEPENDING ON SITE CONSTRAINTS.
5. THE PIPE BETWEEN THE FLOW METER STATION AND FLOW CONTROL VALVE STATION MUST REMAIN ABOVEGROUND IF THE STATIONS ARE LESS THAN 15 FEET APART. IF THE SEPARATION DISTANCE IS GREATER, THE PIPE MAY REMAIN ABOVEGROUND WITH APPROPRIATE PIPE SUPPORTS, OR IT MAY BE BURIED PER THE DESIGN ENGINEER'S RECOMMENDATION WITH APPROVAL FROM THE AUTHORITY.
6. THE CONCRETE PIPE SUPPORT NEAREST THE CONTROL PANEL AT EACH STATION SHALL HAVE OPENINGS PER THE CONCRETE PIPE SUPPORT WITH OPENINGS DETAIL, REF. NO. 82A. THE REMAINING CONCRETE PIPE SUPPORT SHALL BE PER CONCRETE PIPE SUPPORT DETAIL, REF. NO. 82B.
7. THE SCADA PANEL AND FLOW METER ENCLOSURE WILL ALWAYS BE LOCATED IMMEDIATELY ADJACENT TO THE FLOW CONTROL VALVE STATION.
8. AS RECOMMENDED BY MANUFACTURER, ADD A FLOW METER ENCLOSURE ASSEMBLY AT THIS LOCATION. SEE REF. NO. 107.

North Harris County REGIONAL WATER Authority

FLOW METER–FLOW CONTROL VALVE STATION SITE LAYOUTS

APPROVED BY: Mandagiri
DESIGN MANAGER

EFF. DATE:	REF. NO.
12–22–2020	64