REQUEST FOR TIE-IN TO PRESSURIZED PIPELINE

1. Applicant's name _____
2. Landowner's name _____
3. Mailing Address _____

   Telephone # _____
4. Property location: APN# _____

   Address: _____
5. Crop type and total acres irrigated _____

   _____
6. Estimated Gallons Per Minute _____
7. Estimated irrigation time per set _____
8. Contractor Hired _____
9. Approximate starting date _____

PLEASE INCLUDE THE FOLLOWING WITH YOUR APPLICATION:

1. A detailed drawing and design of proposed tie-in per attached guidelines.

DO NOT PROCEED WITH THE PROPOSED STRUCTURE

UNTIL YOUR REQUEST HAS BEEN APPROVED.

If you have any questions concerning your application please feel free to contact the Dawn Driesen in the Engineering Department, 249-4619.

APPLICANT'S SIGNATURE _____

For District Use Only:

Application approved/denied _____

Comments _____

_____

Date/Signature _____

South San Joaquin Irrigation District (District)
Customer Tie In Procedures, Design Criteria, Guidelines and Connection Details

The following procedures, design criteria and guidelines, along with attached details are provided to assist the customer in properly designing and installing distribution facilities associated with the District's Pressurized Irrigation System Turnouts. In accordance with the following procedures, guidelines, and details, the customer or the customer's representative is responsible to design, furnish, and properly install any and all fittings, valves, and thrust restraint downstream of the SSJID turnout and outside of the SSJID Easement, including but not limited to isolation valves, check valves, air release and vacuum valves, blow off valves, couplings, reducers, and elbows.

Procedures:

Prior to the installation of these tie-ins the customer must submit a Request for Tie In (Request), including a detailed drawing and design of their proposed tie in facilities. The District will then review the Request and approve or request a resubmittal within 7 days of receipt of the Request. In addition, the District must be notified of any and all construction activities associated with these tie ins no less than 48 hours and no more than 7 days in advance of such activities. A District Representative must be on site to inspect the connection of the customer's facilities to the SSJID turnout.

Design Criteria and Guidelines:

1) All components, pipe materials, and appurtenances installed by the customer shall be compatible with pressures up to 85psi.
2) Design all thrust restraint for pressures up to 85 psi.
3) A check valve shall be installed just downstream of the customer installed isolation valve.
4) The isolation valve and check valve shall be installed upstream of the first tap on the customer's system.
5) All isolation valves must be opened and closed slowly to prevent water hammer surges in the distribution system.
6) No excavation nor any customer facilities shall be permitted within the SSJID easement.
7) Maximum allowable flow rates vary with Turnout Size. The following table provides those maximum flow rates.

Φ,Pipe Diameter (in)	Maximum Flow (GPM)
6	1000
8	1800
10	3000

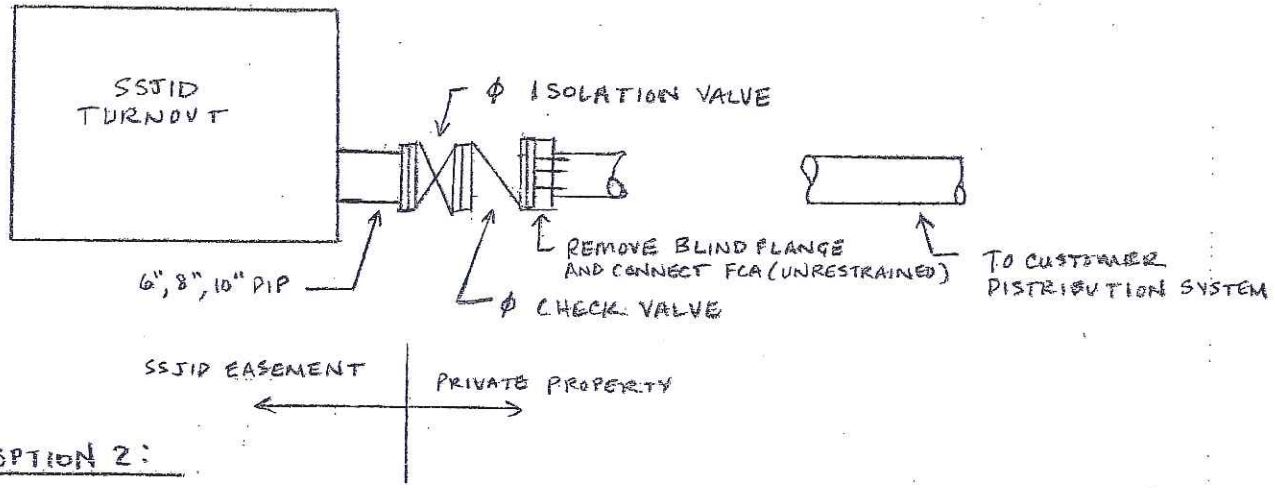
8) Since, customer distribution flow rates vary, the following table is provided to assist in sizing customer connection piping. It contains recommended pipe sizes and corresponding flow rates based on a maximum recommended velocity of 7 fps.

Φ,Pipe Diameter (in)	Maximum Flow (GPM)[1]
6	620
8	1,100
10	1,710
12	2,470
14	3,360
16	4,380
18	5,550

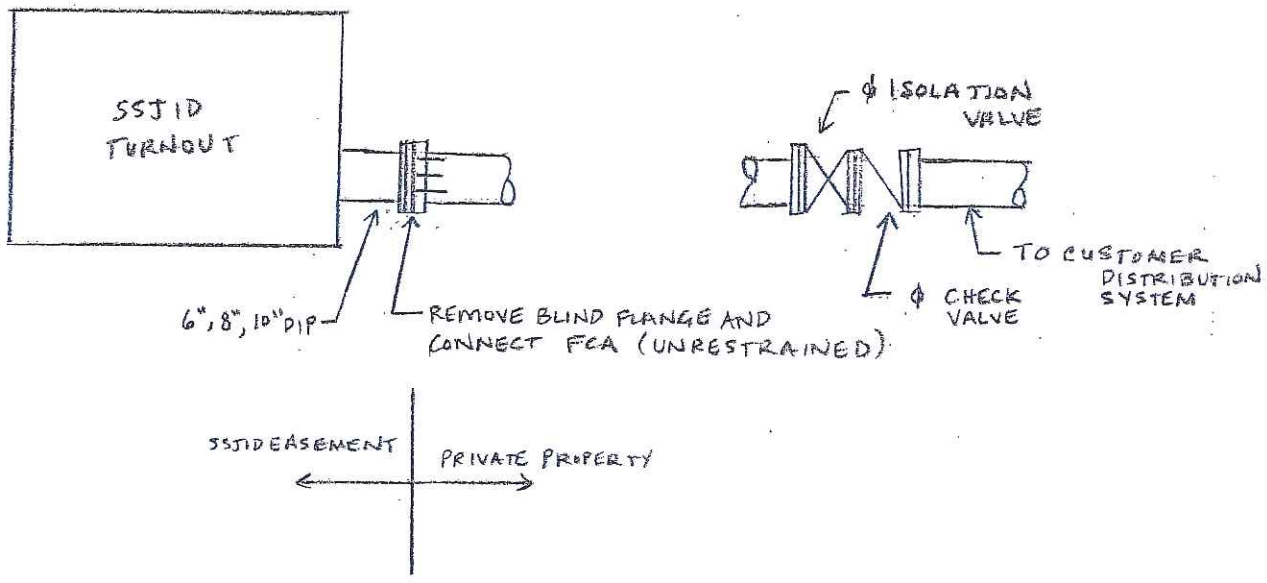
Stantec

SSJID CUSTOMER TURNOUT CONNECTION OPTIONS

OPTION 1:



OPTION 2:



Designed by:

Checked by:

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