

April 22, 2025

City of Breckenridge, TX Water Distribution System Improvements

Addendum No. 1

Attention is called to the following modifications to the referenced Drawings for the above referenced project. The City of Breckenridge (City) will receive bids for the TWDB No. 62913 Water Distribution System Improvements at the Breckenridge City Hall, located at 105 N. Rose Ave, Breckenridge, Texas 76424, until **<u>11:00 am</u>** local time on **<u>Tuesday</u>**, **April 29**, **2025**, at which time the bids received will be publicly opened and read. We hereby modify the documents as follows:

DRAWINGS:

- 1. UPDATE the Hexagonal Note #2 on SHEETS 4 15 to state INSTALL 1" HDPE SERVICE CONNECTION TO EXISTING WATER METER.
- 2. **REPLACE** Sheet 16 in its entirety with the attached Sheet 16, the **DOMESTIC WATER METER INSTALLATION** detail has been replaced by the **SERVICE RECONNECT** detail.

This addendum consists of **two (2)** sheets and becomes a part of the referenced contract documents and shall be acknowledged by the proposer and attached to the sealed proposal submitted.

By:

Sage Diller, P.E. #96645 Project Engineer







GATE VALVE
<u>VALVE</u>

	THRU	JST R	RESTF	RAINT	ТАВ	BLE		
	VIA MECHANICAL RETAINER GLAND							
TYPE FITTING	TOTAL FEET OF PIPE (L) REQUIRING RESTRAINT UPSTREAM OF FITTING FOR MECHANICAL JOINT RESTRAINTS ON PRESSURE PIPE. (INCLUDING FITTING JOINT)							
	3"	4"	6"	8"	10"	12"	14"	16"
90° BEND	30	32	45	58	69	81	94	102
45° BEND	13	14	19	24	29	34	39	43
22 1/2° BEND	6	7	9	12	14	17	19	21
11 1/4° BEND	3	4	5	6	7	8	10	11
TEE	12	18	53	90	120	154	191	217
IN-LINE VALVE	40	45	60	80	100	115	130	145
DEAD END	79	87	122	160	192	227	264	291

FOR ADDITIONAL RESTRAINT AT BELL AND SPIGOT CONNECTIONS ALONG STRAIGHT RUN OF PIPE.

NOTE:

D INSTALL MECHANICAL THRUST RESTRAINT GLANDS AT ALL FITTINGS.

1. CONTRACTOR SHALL CONTACT THE RESIDENT INSPECTOR IF WET SAND OR OTHER UNSTABLE SOIL CONDITIONS, HIGH WATER TABLE AND/OR UNDERGROUND OBSTRUCTIONS ARE ENCOUNTERED.

2. ALL NEW POTABLE WATER LINES AND SANITARY SEWER FORCE MAINS SHALL BE BEDDED IN COMPACTED BANK SAND A MINIMUM OF 6 INCHES BELOW. ABOVE AND TO EITHER SIDE OF SUCH

3. CEMENT STABILIZED BEDDING SHALL BE A MINIMUM 2 SACK PER TON C.S.S., INSTALLED IN MAXIMUM LIFTS OF 8 INCHES AND MECHANICALLY TAMPED TO 95% PROCTOR.

4. WHERE REQUIRED, SLEEVING (ENCASEMENT) OF POTABLE WATER PIPING AND/OR SANITARY SEWER GRAVITY DRAIN LINES AND FORCE MAINS SHALL BE PROVIDED. SUCH SLEEVING (ENCASEMENT) SHALL BE CONSTRUCTED OF APPROVED PIPING MATERIALS HAVING A MINIMUM PRESSURE RATING OF 150 PSI AND ANNULAR SPACES AT EACH END SHALL BE SEALED WITH A MATERIAL APPROVED

5. ALL NEW POTABLE WATER LINES SHALL BE SLEEVED (ENCASED) WHERE A MINIMUM OF 9 FEET SEPARATION DISTANCE TO EXISTING OR PROPOSED SANITARY SEWER MANHOLE, LIFT STATION OR WASTEWATER TREATMENT PLANT CANNOT BE MAINTAINED. SLEEVING SHALL BE A MINIMUM OF 18 FEET IN LENGTH AND CENTERED ON THE POINT OF CLOSEST PROXIMITY.

6. ALL NEW POTABLE WATER LINES SHALL BE SLEEVED (ENCASED) WHERE LESS THAN 2 FEET VERTICAL OR 4 FEET HORIZONTAL CLEARANCE TO EXISTING OR PROPOSED SANITARY SEWER GRAVITY LINES OR FORCE MAINS CANNOT BE MAINTAINED. SLEEVING SHALL BE A MINIMUM OF 18 FEET IN LENGTH AND CENTERED ON THE POINT OF CROSSING. WHERE PIPING IS LAID PARALLEL AND MINIMUM SEPARATION DISTANCES CANNOT BE MAINTAINED, SLEEVING SHALL EXTEND AT LEAST 9 FEET PAST THE POINT WHERE MINIMUM SEPARATION DISTANCES ARE ACHIEVED.

7. ALL NEW POTABLE WATER LINES SHALL BE CONSTRUCTED ABOVE EXISTING OR PROPOSED SANITARY SEWER GRAVITY LINES OR FORCE MAINS WHERE POSSIBLE. WHERE INSTALLATION BENEATH SANITARY SEWER GRAVITY LINES OR FORCE MAINS IS UNAVOIDABLE AT POINTS OF CROSSING, SLEEVING (ENCASEMENT) IS REQUIRED FOR ALL NEW POTABLE WATER LINES CONSTRUCTED OF PVC PIPING MATERIALS, REGARDLESS OF SEPARATION DISTANCE. SLEEVING SHALL BE A MINIMUM OF 18 FEET IN LENGTH AND CENTERED ON THE POINT OF CROSSING.

8. ALL NEW SANITARY SEWER GRAVITY LINES AND/OR FORCE MAINS CONSTRUCTED OF PVC PIPING MATERIALS SHALL BE SLEEVED (ENCASED) WHERE LESS THAN 2 FEET VERTICAL OR 4 FEET HORIZONTAL CLEARANCE TO EXISTING POTABLE WATER PIPING CANNOT BE MAINTAINED. SLEEVING SHALL BE A MINIMUM OF 18 FEET IN LENGTH AND CENTERED ON THE POINT OF CLOSEST

9. ALL NEW SANITARY SEWER GRAVITY LINES AND/OR FORCE MAINS SHALL BE CONSTRUCTED BELOW EXISTING POTABLE WATER LINES WHERE POSSIBLE. WHERE INSTALLATION ABOVE POTABLE WATER LINES IS UNAVOIDABLE, SLEEVING (ENCASEMENT) IS REQUIRED FOR ALL SUCH SANITARY SEWER LINES CONSTRUCTED OF PVC PIPING MATERIALS, REGARDLESS OF SEPARATION DISTANCE. SLEEVING SHALL BE A MINIMUM OF 18 FEET IN LENGTH AND CENTERED ON THE POINT OF CROSSING.

10. WHERE NEW SANITARY SEWER SIZING (24 INCH AND GREATER) PRECLUDES THE USE OF PVC PIPING MATERIALS AND SLEEVING (ENCASEMENT) OF THE SANITARY SEWER WOULD OTHERWISE BE REQUIRED BUT IS IMPRACTICAL, THE EXISTING POTABLE WATER PIPING SHALL EITHER BE OFFSET TO PROVIDE THE REQUIRED MINIMUM CLEARANCES OR SLEEVED (ENCASED) IN LIEU OF SLEEVING (ENCASING) THE SANITARY SEWER LINE. SLEEVING SHALL BE A MINIMUM OF 18 FEET IN LENGTH AND CENTERED ON THE POINT OF CROSSING.

11. IN NO INSTANCE SHALL A FIRE HYDRANT BE INSTALLED WITHIN 9 LINEAR FEET OF A SANITARY

12. NOTE: SEPARATION DISTANCES ARE MEASURED FROM THE OUTSIDE DIAMETERS OF EACH PIPE AND FROM THE EXTERIOR SURFACES OF MANHOLES, LIFT STATIONS, WASTEWATER TREATMENT PLANTS

TWBD DWSRF #62913 DISTRIBUTION SYSTEM IMPROVEMENTS OR THE CITY OF BRECKENRIDGE STEPHENS COUNTY, TEXAS	project no.: 8411
DETAILS	SHEET No. 16 OF 16
H H	Ι