BUCKMAN DIRECT DIVERSION BOARD POLICY
TAPPING TRANSMISSION LINES

Effective Date: March 6, 2025

PURPOSE

The Buckman Direct Diversion ("BDD") Board, in planning for future connections to its system, provided ten (10) Blind Tees to the BDD 5A Transmission Line at the time of construction of the BDD Project. Using only the Blind Tees for water line connections provides proper and safe connections to the BDD Transmission Lines. Allowing the Transmission Lines to be tapped outside of the Blind Tees may result in leaks and could otherwise negatively impact the Project. Additionally, utilizing only the Blind Tees for water line connections creates a Distribution Line where outages, if they occur, will be more localized.

Tapping a Transmission Line outside the Blind Tees may also have the following consequences:

1. Difficulty with long term planning;
2. Degradation of the integrity of the lines;
3. Creation of dead-end lines;
4. Addition of meters and resultant complexity which can lead to possible inaccuracies in BDD's water accounting system; and
5. Increased likelihood of line leaks.

Policy Definitions

"BDD Project" or "Project" means the Buckman Direct Diversion Project which diverts surface water from the Rio Grande, and includes diversion, treatment, transmission and related infrastructure used to deliver water to the respective independent water systems of the City of Santa Fe ("City"), Santa Fe County ("County"), and the Club at Las Campanas.

"BDD 4A and 5A Finished Water Pipelines" means the Transmission Lines described as follows:

BDD 4A Transmission Line:

- Beginning at the BDDWTP Booster Pump Station 4A (BS4A) the BDD 4A Transmission Line delivers finished water to City Booster Station 3 (BS3) and City Booster Station 4 (BS4) and includes:
    - Approximately 4.3 miles of 30-inch ductile iron (DI) pipeline from BS4A at the BDDWTP to BS3.

- Approximately 3.6 miles of 24-inch DI pipeline from BS3 to BS4, parallel to the City owned pipeline between BS3 and BS4 originally constructed to convey water from the Buckman Wellfield to the City.

"BDDWTP" means the Buckman Direct Diversion Water Treatment Plant.

BDD 5A Transmission Line:

- Beginning at the BDDWTP Booster Pump Station 5A (BS5A), the BDD 5A Transmission Line delivers finished water through the Caja Del Rio Transmission Line to three connection points in the distribution system: (1) South Meadows Rd, (2) Airport Rd and Paseo De River Street, and (3) the Santa Fe County Water Line south of I-25 and includes:

  - Approximately 3.9 miles of 24-inch DI pipeline from Booster Station BS5A along Caja Del Rio.

  - Approximately 1.2 miles of 24-inch DI pipeline from the end of the Caja Del Rio potable water pipeline to the South Meadows Road potable water pipeline connection.

  - Approximately 4.9 miles of 16-inch DI pipeline from the end of the Caja Del Rio potable water pipeline to the Santa Fe County Water Line south of I-25.

"Blind Tees" means a "T" shaped section of pipe and valve within a BDD finished water Transmission Line that was installed specifically on the BDD 5A Transmission Line for future expansion of the City or County water distribution systems, as listed below:

BDD Finished Water Transmission Line Blind Tee Locations

	Description	Sheet#*
1	Caja del Rio @ WTP Access Road	39
2	Caja del Rio @ Casa Del Rio (County Road 69)	45
3	Caja del Rio @ Wildlife Way	47
4	Caja del Rio @ Archaeology Building	50
5	Caja del Rio @ Animal Shelter	51
6	Caja del Rio@ 599 (Just North of Caja del Rio)	103
7	NM 599@ County Public Works Complex	82
8	NM 599 @ Jaguar Drive	89
9	NM 599 @ South of Jaguar Drive	89
10	NM 599 @ Los Pinos Drive	100

*BDDWTP Raw Water and Finished Water Pipeline record drawings

"Distribution Line," (including individual customer connections and distribution mains) means any line conveying water to customers and fire protection systems from a common source.

"Transmission Line" means any pipeline conveying treated water from the BDDWTP to existing City or County Transmission or Distribution Lines.

"Tapping a Transmission Line" means connecting a new distribution line to an existing Transmission Line by applying a tapping sleeve and drilling a hole through the water line.

POLICY

No connections will be allowed to the BDD 4A Transmission Line. All future connections to the BDD 5A Transmission Line will be solely through the use of the existing Blind Tees. Any connection proposing to tap the BDD 4A Transmission Line, or BDD 5A Transmission Line without using an existing Blind Tee is prohibited.

Connection to the BDD 5A Transmission Line at a Blind Tee will require BDD Board approval of the connection, adherence to BDD connection specifications, and installation of a master meter to BDD specifications. Once the connection and master meter have been inspected and accepted by the BDD Facilities Manager, the master meter will be dedicated to, and become part of, the BDD Project. BDD connection specifications and master meter specifications are included as a drawing with notes for either 6" or 8" master meters as an attachment to this policy.

APPROVAL

The BDD Board has adopted this Policy on the date set forth above.

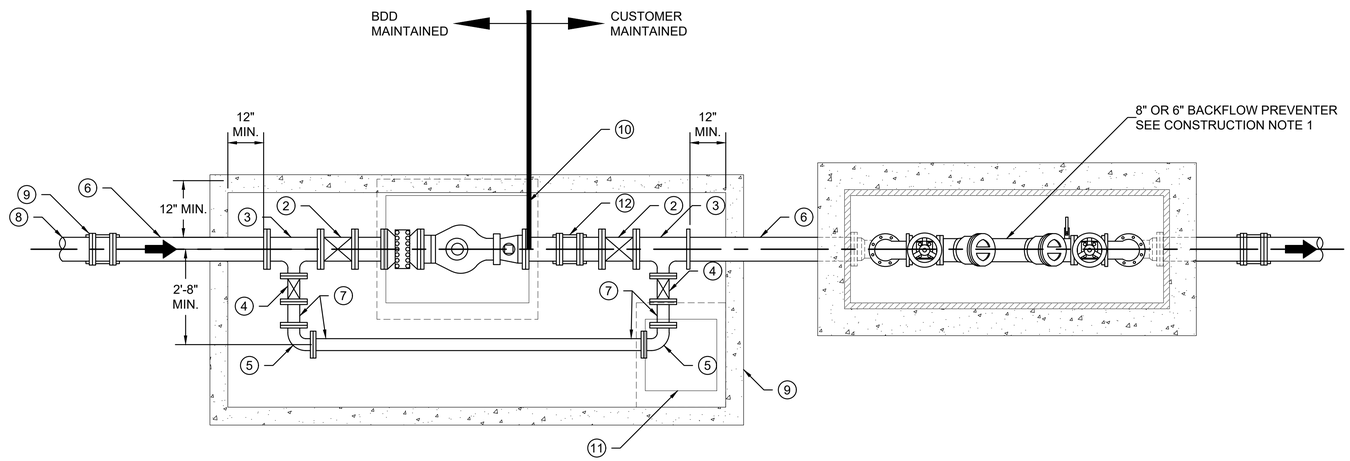
Justin Greene BDD Board Chair	Date:

ATTEST:

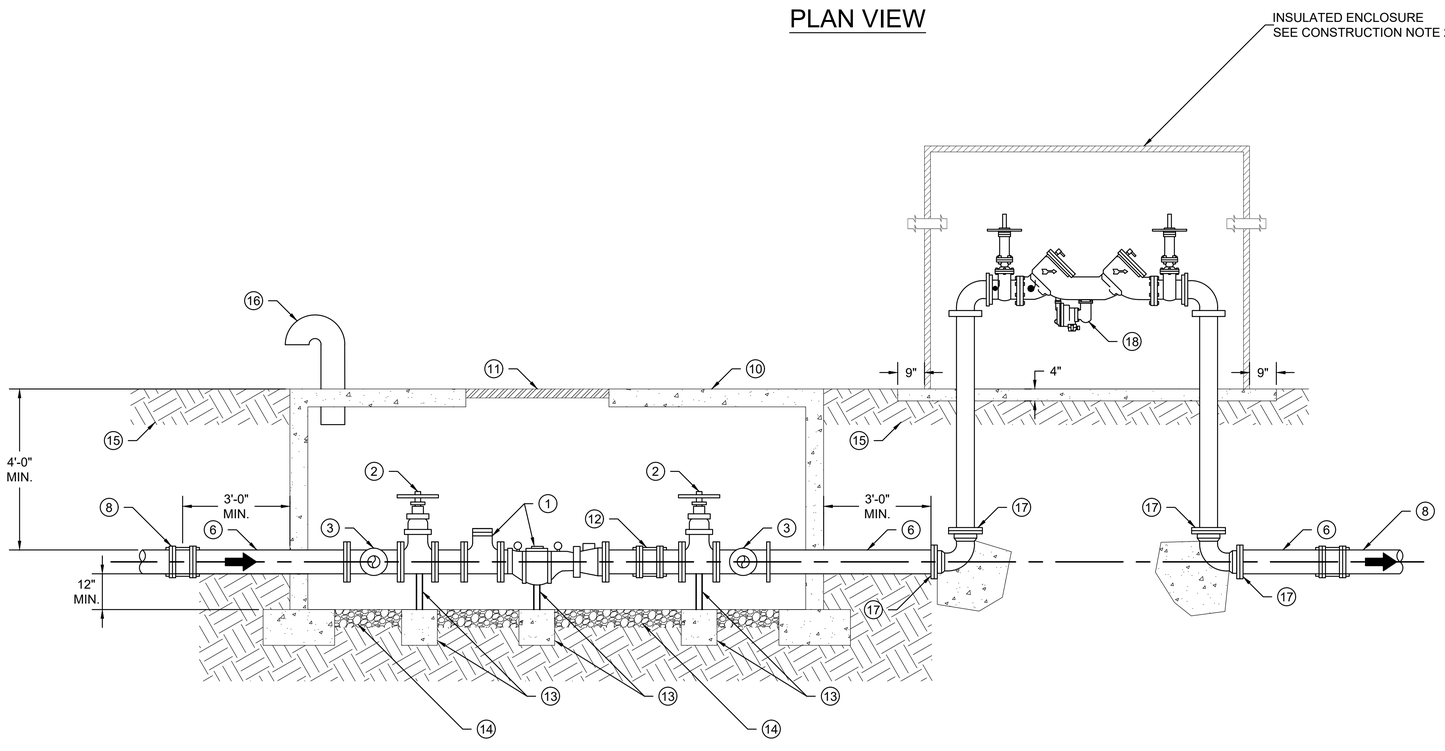
Katharine E. Clark Santa Fe County Clerk	Date:

APPROVED AS TO FORM:

Nancy Long (Feb 20, 2025 15:53 MST) Nancy R. Long Agency Attorney	Feb 20, 2025 Date:



PLAN VIEW



SECTION VIEW

KEYNOTES

1. INSTALL 8" OR 6" WATER METER ASSEMBLY WITH 8" OR 6" STRAINER BOTH FURNISHED, INSTALLED AND MAINTAINED BY BDD.
2. INSTALL 8" OR 6" GATE VALVE DI FLxFL
3. INSTALL 8" OR 6" x 4" TEE DI FLxFL
4. INSTALL 4" GATE VALVE DI FLXxFL
5. INSTALL 4" 90 DEG. BEND DI FLxFL
6. INSTALL 8" OR 6" DI PIPE
7. INSTALL 4" DI PIPE
8. INSTALL SOLID SLEEVE WITH THRUST RESTRAINTS CONNECTION BETWEEN 8" OR 6" DI AND 8" OR 6" PVC PIPE.
9. INSTALL PREFABRICATION VAULT WITH FOOTINGS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND STRUCTURAL ENGINEERING CALCULATIONS FOR APPROVAL PRIOR TO FABRICATION OF VAULT.
10. INSTALL 36" x 48" TO BE ENGINEER APPROVED.
11. INSTALL 24" x 24" TO BE ENGINEER APPROVED.
12. INSTALL 8" OR 6" DISMANTLING JOINT TO BE ENGINEER APPROVED.
13. INSTALL ADJUSTABLE PIPE SUPPORT WITH SADDLE TO MATCH PIPE SIZE WITH 12" x 12" x 12" CONCRETE SUPPORTS (TYP)
14. GRAVEL FLOOR ¾" CRUSHED - 6" THICK
15. COMPACTED BACKFILL IN ACCORDANCE WITH BDD STANDARDS.
16. INSTALL 8" VENT WITH SCREEN.
17. INSTALL THRUST RESTRAINT.
18. RELIEF VALVE ASSEMBLY

CONSTRUCTION NOTES

1. BACKFLOW PREVENTER MODEL TO BE APPROVED BY ENGINEER. BACKFLOW PREVENTER SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
2. HOT BOX SHALL BE A HEAVY DUTY, HEATED AND SECURE. INSTALL HOT BOX ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

Buckman Direct Diversion

8" OR 6" MASTER METER

DRAWN BY:	DATE:	01
CHECKED:	SCALE: N/A	
APPROVED:		