

Water Line Overview, Layer Site 1 EPA Well

Well Site to Water Room

The VFD controlled well site that supplies water to the Trillium Farms, Layer 1 processing facility at 11995 Croton Rd is located approximately .5 mile east from the intersection of Croton and Parsons Rd. The water is pumped +/- 2,700' to the site water room through a 3" SDR21 PVC pipe, transitioning to 3" SCH80 PVC. All known fittings and joints between the well's pitless adapter and the water room are glued PVC or gasketed, bell/spigot. Several points along the supply line have been excavated and repaired, and visually verified to be PVC pipe.

Water Room Layout

The water line enters the water room in the northwest corner as a 3" SCH80 PVC pipe. (Trillium does not know for certain where the transition from SDR21 to SCH80 takes place.) Once in the water room the pipe is connected to 2 pressure tanks with a tee from the main line, and then continues up the wall and overhead, hanging from the ceiling. It then passes through a softener system, and then towards a chlorine injection system. Before the chlorine injection system, a 3/4" service line tees off, through an RPZ, and terminates in the boiler room to supply make-up water to our closed-loop boiler system.

The main line continues to the chlorine injection system. The chlorine injection system is composed of an injection pump, meter, galvanized mixing tank, and a bypass to allow for system maintenance during operations. All treated water that goes to the processing facility passes through the mixing tank, and exits the water room through the floor near the south east corner of the water room via a 1.5" SDR21 pipe. The entire main line pipe in the water room is SCH80 PVC with the exception of the copper lines that supply water to the boiler system. There are no soldered joints. All connections and fittings are threaded or glued.

Main Water Line Enters Processing

The 1.5" SDR21 PVC water line enters the processing facility through the floor in the southeast corner of the dry dock. The pipe travels up the wall, through a meter, and transitions to SCH80 PVC. The pipe continues up the wall until it reaches the ceiling where it tees towards the processing plant floor (south), and to the facility's front office area (west).

Main Water Line Branches into Processing Area

The plant's water line passes through the dry dock/plant wall, and continues south towards the processing equipment. After the wall, a service line tees off to an emergency chemical shower. The emergency shower line is SCH80 PVC. The main plant service then passes through an RPZ. After the RPZ, another service line tees off to the clean-up room. The clean-up room service is SCH40 PVC, and is used to supply water to a pressure washer. The plant's main line then splits and one side supplies cold water to a hand wash sink, hose connections, and the egg washers. The other side of the main line split passes through a heat exchanger, and supplies hot water to the hand wash sink, hose connections, and final rinse bar on the egg washers. The main supply line after the clean-up room service is copper, and is connected with crimp-on fittings; no soldered joints. The supply lines to the egg washing equipment are all fitted the same way. The copper lines that supply the hand wash sink and hose connections are soldered, but were installed after 2005 so lead-free solder was used.

Water Line Overview, Layer Site 1 EPA Well (cont'd)

Main Water Line Branches to Supply Front Office Area

Before the main line enters the processing plant through the dry dock/plant wall, it tees off towards the front of the facility to the office, breakroom, and restroom areas. The service hangs from the ceiling, and follows the dry dock/plant wall until it turns into the second floor maintenance shop. The supply line splits in the maintenance shop to supply cold water to a breakroom sink, a hand wash station, and two restrooms. The supply line also supplies cold water to an electric hot water heater (located in the maintenance shop). The hot water heater provides hot water to a breakroom sink, a hand wash station, and two restrooms. The main line is SCH80 PVC and glued fittings until it reaches the maintenance shop. Inside the maintenance shop the service lines are SCH40 PVC, CPVC, and copper. The copper fittings are connected with soldered joints/fittings, and were installed in 1998 during a remodel. Any supply lines and fittings that service the sinks or restrooms, and are located in the concrete walls are believed to be copper and were installed around 1982.



Parsons Rd

50

Well Site X

2,700' of 36" SDR 21 PVC Pipe
From Well Site to Water Room

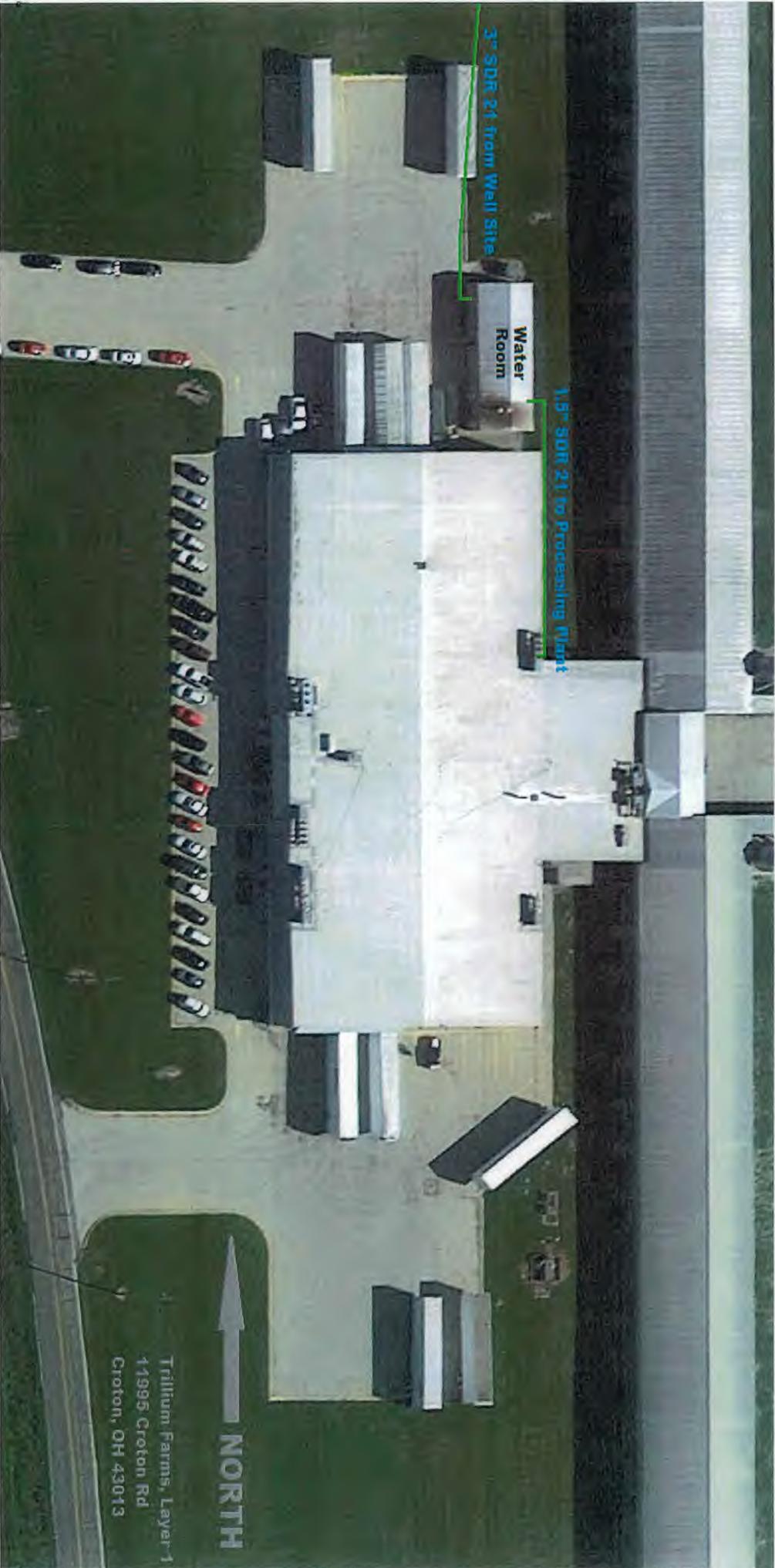
Water Room

3

Croton Rd

NORTH

Trillum Farms, Layer 1
11995 Croton Rd
Croton, OH 43013



3" SDR 21 from Well Site

Water Room

1.5" SDR 21 to Processing Plant

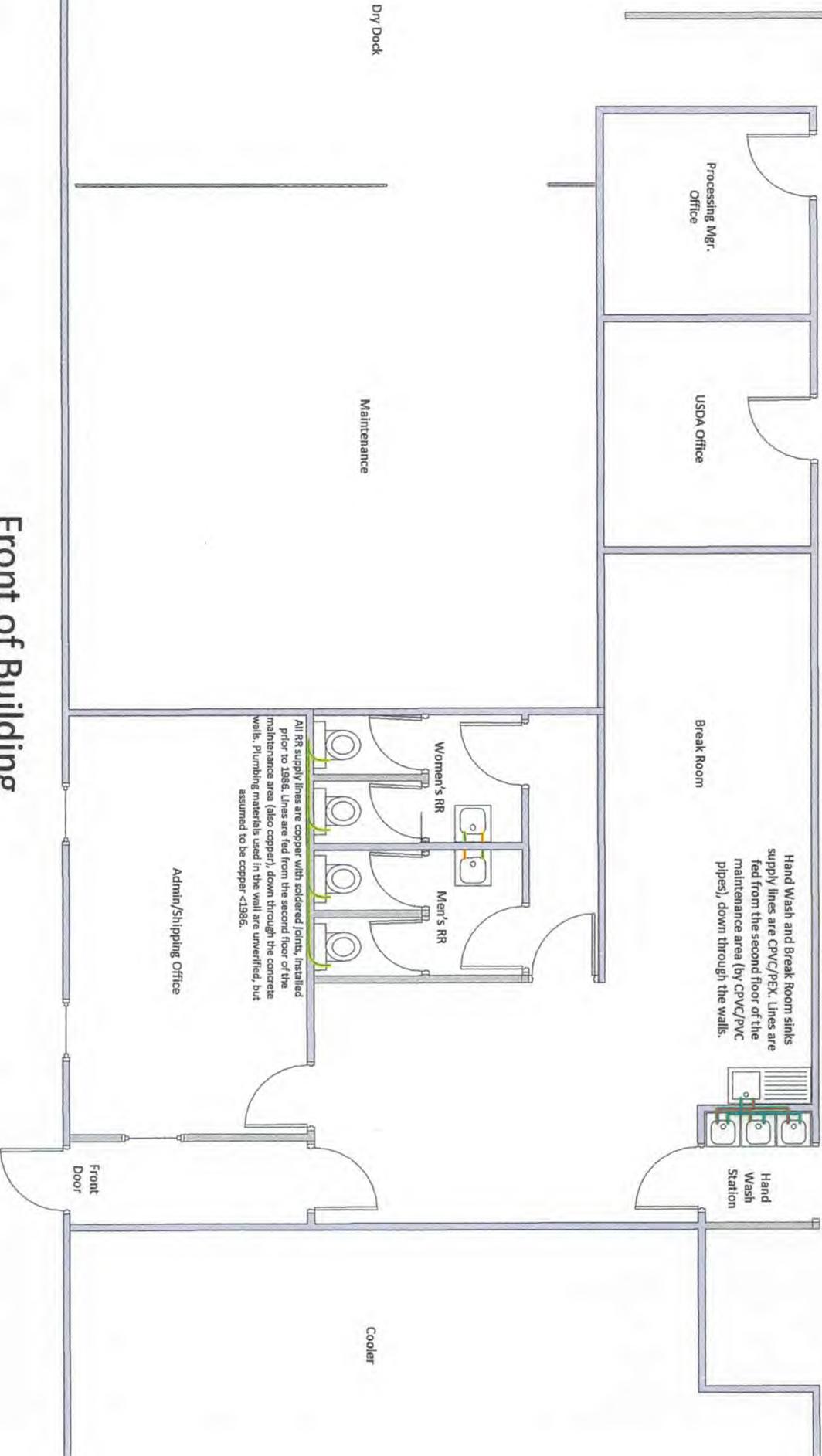
NORTH

Tritium Farms, Layer 1
11995 Croton Rd
Croton, OH 43013

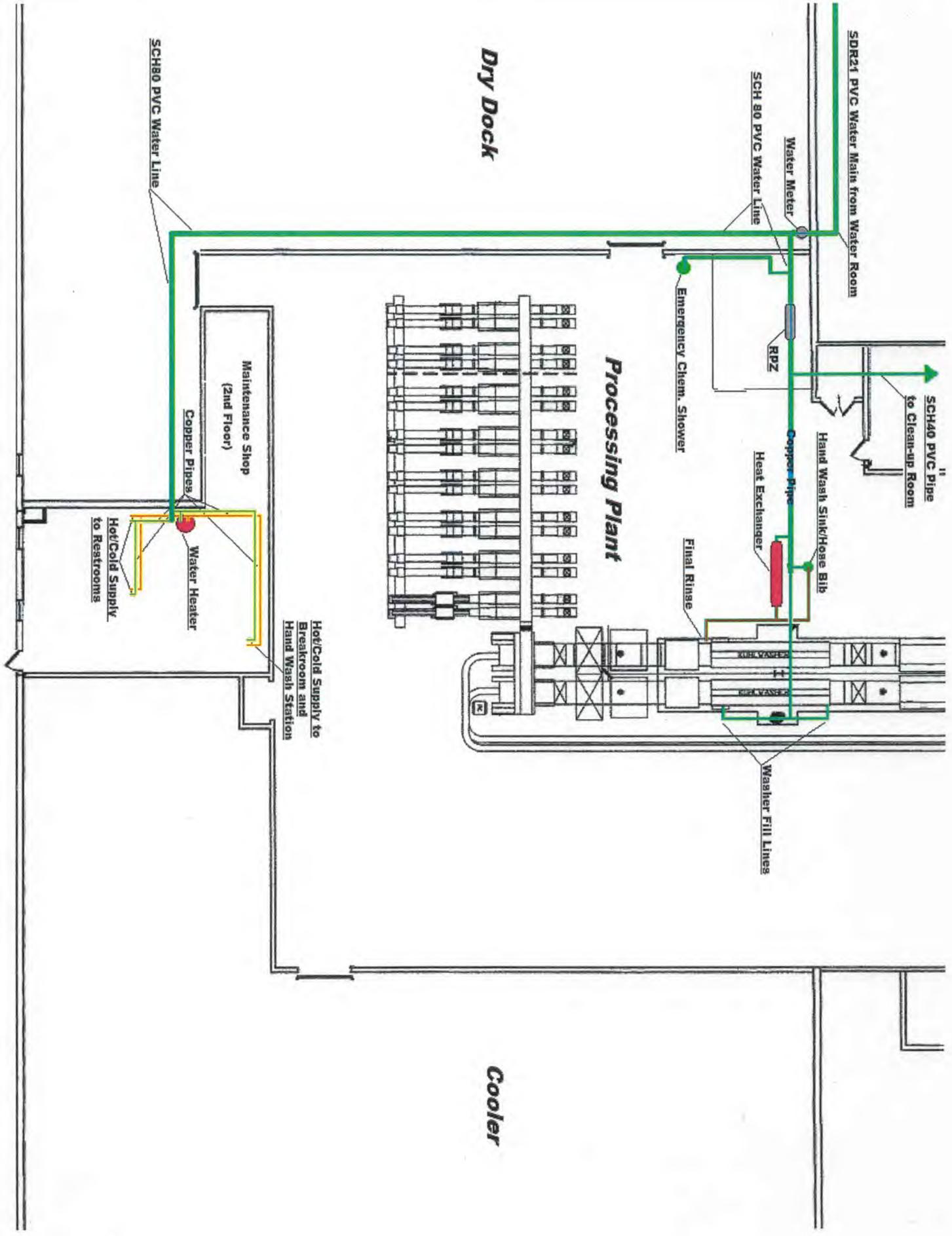


Trillium Farms, Layer Site 1
11995 Croton Rd, Croton, OH 43013

Processing Floor



Front of Building



SDR21 PVC Water Main from Water Room

SCH 80 PVC Water Line

Water Meter

SCH40 PVC Pipe
to Clean-up Room

Hand Wash Sink/Hose Bib

Heat Exchanger

Emergency Chem. Shower

Washer Fill Lines

Final Rinse

Copper Pipes

RPZ

Processing Plant

Dry Dock

Cooler

Maintenance Shop
(2nd Floor)

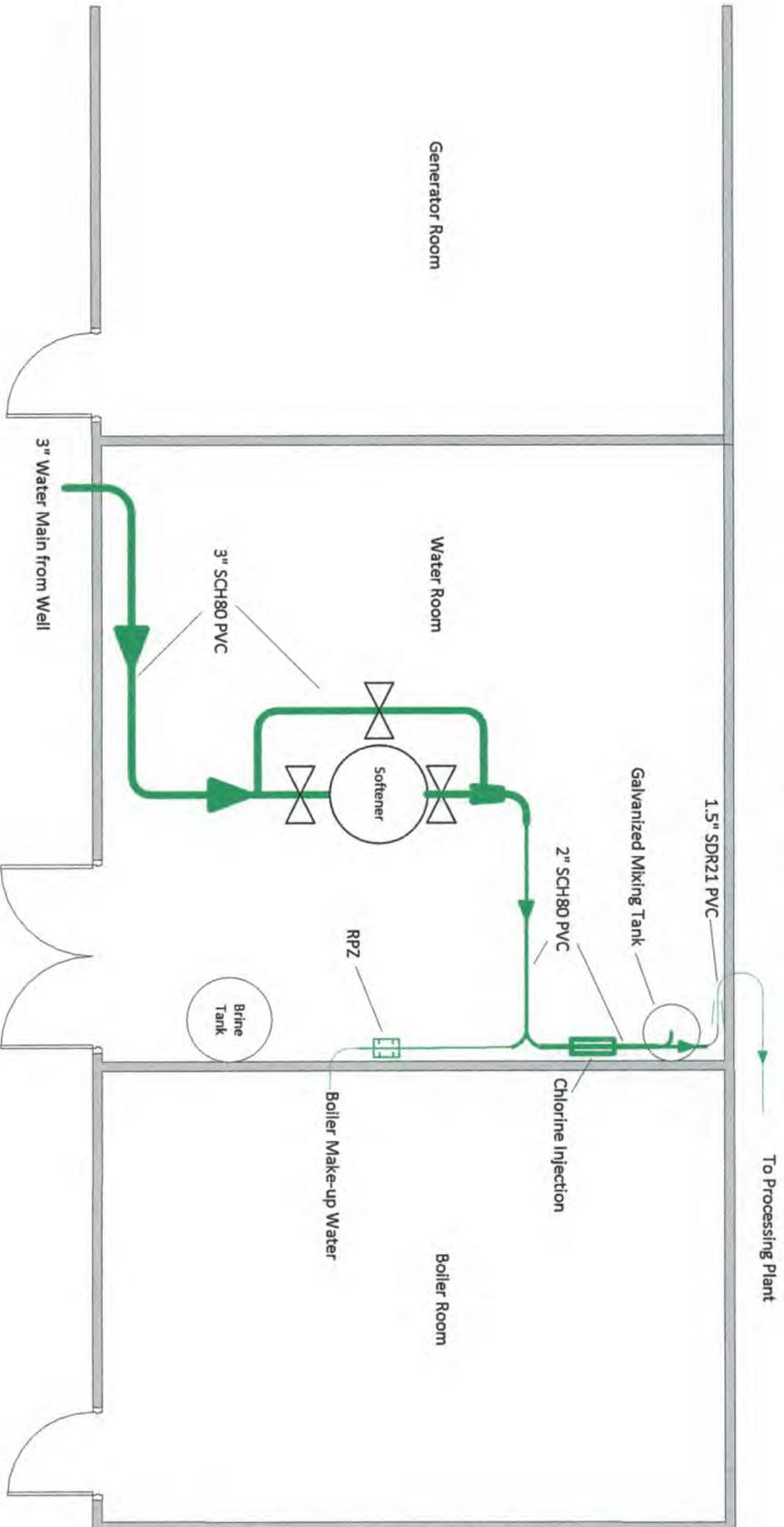
Copper Pipes

Water Heater

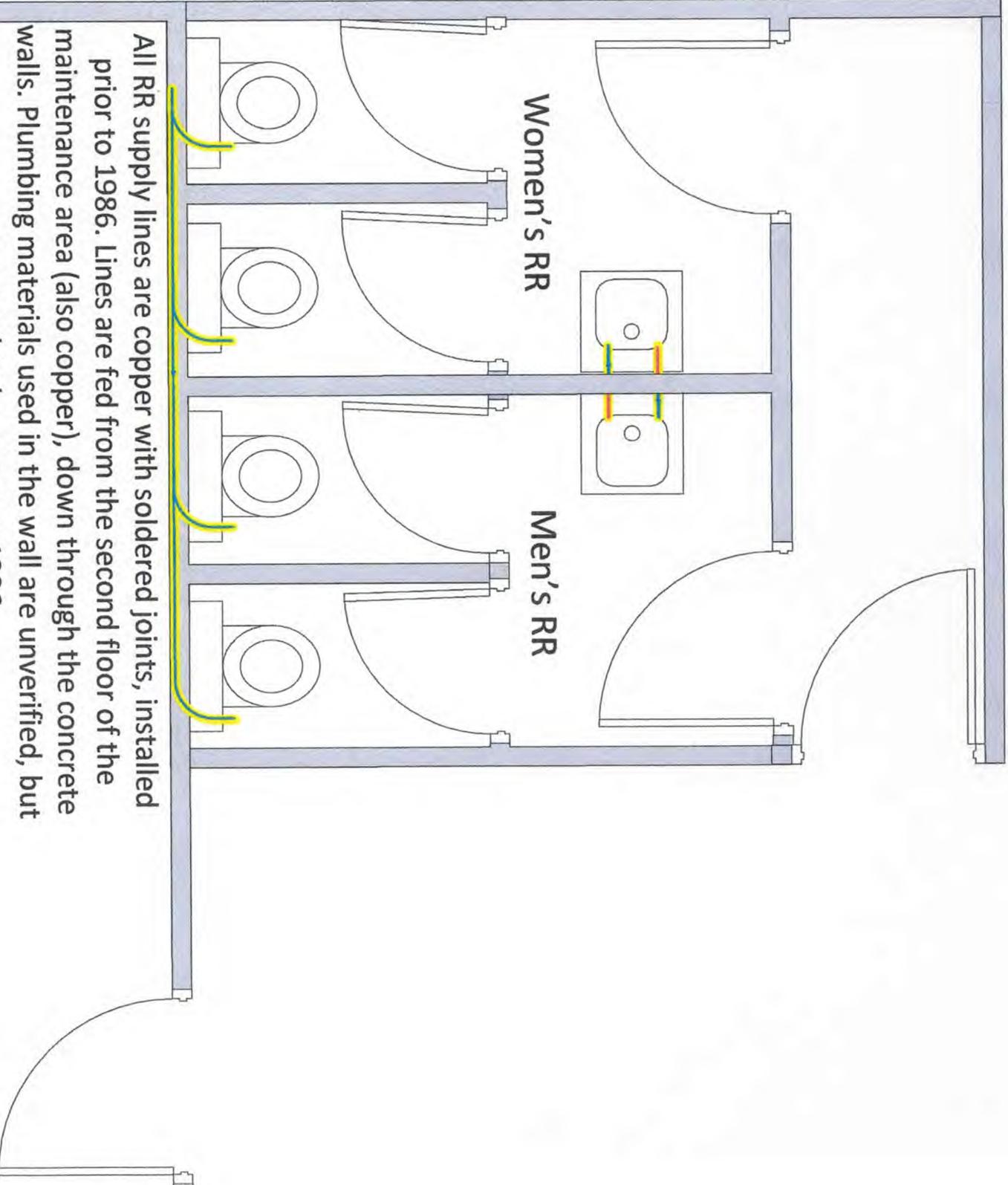
Hot/Cold Supply
to Restrooms

Hot/Cold Supply to
Breakroom and
Hand Wash Station

Trillium Farms, Layer Site 1
11995 Croton Rd, Croton, OH 43013



*** No Copper/Lead pipe or fittings in this water room**



All RR supply lines are copper with soldered joints, installed prior to 1986. Lines are fed from the second floor of the maintenance area (also copper), down through the concrete walls. Plumbing materials used in the wall are unverified, but assumed to be copper <1986.

Processing Floor

Hand Wash and Break Room sinks supply lines are CPVC/PEX. Lines are fed from the second floor of the maintenance area (also copper), down through the concrete walls. Plumbing materials used in the wall are unverified, but assumed to be copper <1986.

