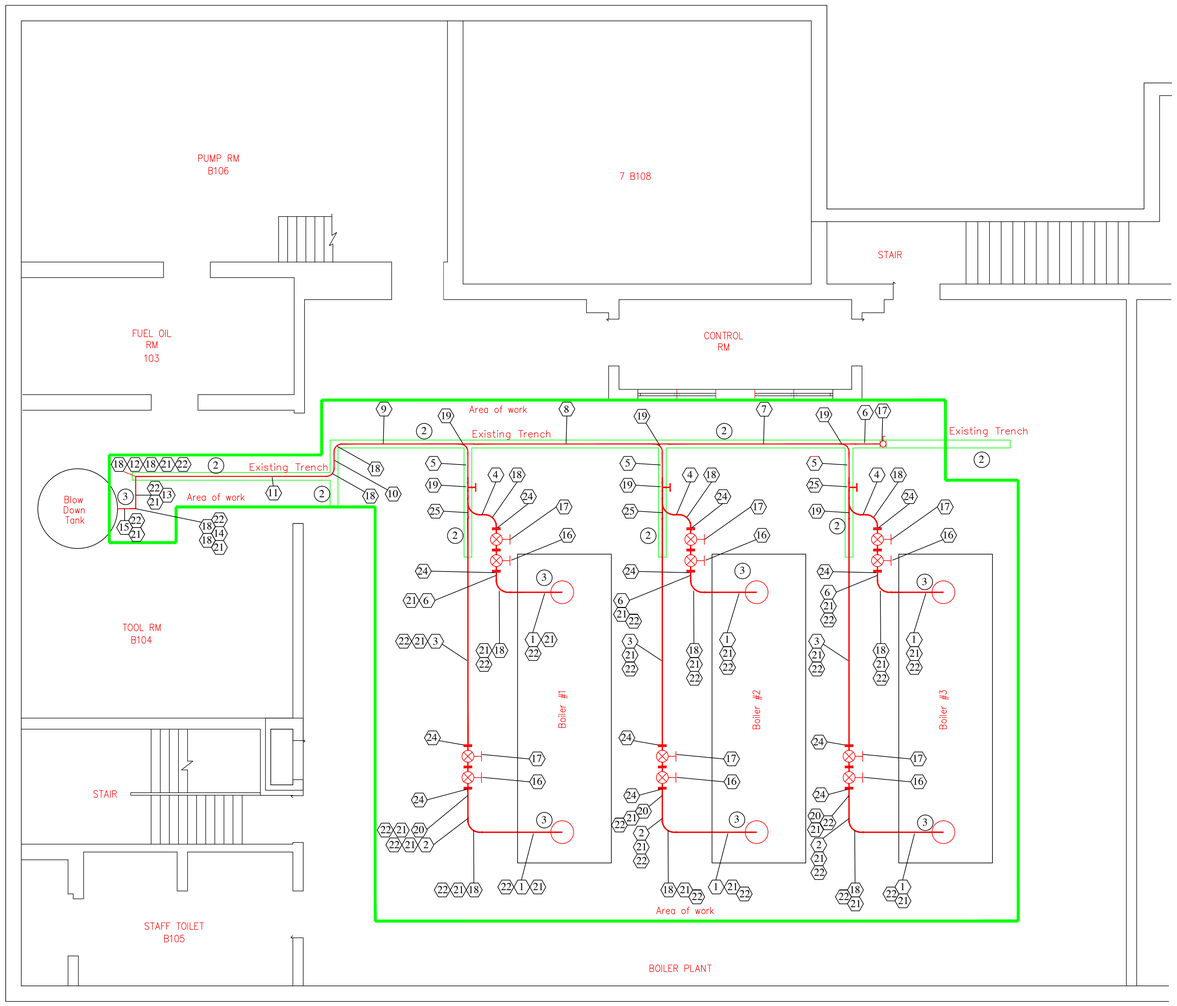

New Work Notes:

1. All connections between pipes, flanges, elbows & wyes are to be Butt welded and inspected by a certified welding inspector for boiler plant systems.
2. Exisitng trench drain covers to be sanded and painted. Color to be selected by boiler plant supervisor.
3. Inspect existing threaded connections at bottom of boilers. Prepare connections to recieve new piping.
4. All removed valves and piping to be recycled by VA. Contractor to place in VA recycling dumpsters.
5. Label all valves.

General Notes:

1. Contractor to follow all proper safety procedures when performing work.
2. Contractor to follow all lock out/ tag out procedures in place and maintain proper lock out/ tag out records.
3. It is the contractors responsibility to repair or replace any areas (walls, adjacent floors etc) that have been damaged by the contractor during construction.
4. During actual construction work, contractor is required to barrier off construction area.
5. Contractor can only take one boiler at a time out of service. Boiler taken out of service must be brought back online before taking another boiler off line.

Legend:

- Indicates area of work.
- Piping, valves, elbows, wyes, insulation, insulation jacket and flanges to be demolished.
- Existing trench
- Valve
- Ball Valve

Bill of Material

	Item #	Qty.	Description
*	1	6	Carbon Steel, ASTM A106, Grade B, Seamless, Sch. 80, 2" Pipe, approx. 44" long
*	2	3	Carbon Steel, ASTM A106, Grade B, Seamless, Sch. 80, 2" Pipe, approx. 18" long
*	3	3	Carbon Steel, ASTM A106, Grade B, Seamless, Sch. 80, 2" Pipe, approx. 120" long
*	4	3	Carbon Steel, ASTM A106, Grade B, Seamless, Sch. 80, 2" Pipe, approx. 6" long
*	5	3	Carbon Steel, ASTM A106, Grade B, Seamless, Sch. 80, 2" Pipe, approx. 38" long
*	6	4	Carbon Steel, ASTM A106, Grade B, Seamless, Sch. 80, 2" Pipe, approx.12" long
*	7	1	Carbon Steel, ASTM A106, Grade B, Seamless, Sch. 80, 2" Pipe, approx. 184" long
*	8	1	Carbon Steel, ASTM A106, Grade B, Seamless, Sch. 80, 2" Pipe, approx. 154" long
*	9	1	Carbon Steel, ASTM A106, Grade B, Seamless, Sch. 80, 2" Pipe, approx. 88" long
*	10	1	Carbon Steel, ASTM A106, Grade B, Seamless, Sch. 80, 2" Pipe, approx. 51" long
*	11	1	Carbon Steel, ASTM A106, Grade B, Seamless, Sch. 80, 2" Pipe, approx. 155" long
*	12	1	Carbon Steel, ASTM A106, Grade B, Seamless, Sch. 80, 2" Pipe, approx. 68" long
*	13	1	Carbon Steel, ASTM A106, Grade B, Seamless, Sch. 80, 2" Pipe, approx. 55" long
*	14	1	Carbon Steel, ASTM A106, Grade B, Seamless, Sch. 80, 2" Pipe, approx. 42" long
*	15	1	Carbon Steel, ASTM A106, Grade B, Seamless, Sch. 80, 2" Pipe, approx. 8" long
	16	6	Yarway or equal, Class 250-600, Blow Down Quick release valve, 2" Pipe, 6 1/2" flange, Bolt hole dia. 5", 8 bolt pattern
	17	6	Yarway or equal, Class 250-600, Blow Down Slow release valve, 2" Pipe, 6 1/2" flange, Bolt hole dia. 5", 8 bolt pattern
	18	15	2" Long Radius 90 deg. Elbow, Malleable iron, ASTM A47 or A197, ASME B16.3, 2050 kPa (300 psi) class.
	19	6	2" Long Radius Wye, Malleable iron, ASTM A47 or A197, ASME B16.3, 2050 kPA (300 psi) class.
	20	3	2" Long Radius 45 deg. Elbow, Malleable iron, ASTM A47 or A197, ASME B16.3, 2050 kPa (300 psi) class.
*	21	700'	Pipe Insulation, 2" ID, 5 1/2" OD
*	22	700'	Aluminum Insulation Jacket for 5 1/2" pipe insulation
	23	1	Ball Valve, 2" Type 501: Type 316 SS body, ball & stem, rated for 4130 kPA at 93 deg. C (600 psi at 200 deg. F)
	24	12	2"Flange, 6 1/2" Dia., Bolt hole dia. 5", 8 bolt pattern, Forged steel, Malleable iron, ASTM A47 or A197 ASME B16.3m 2050 kOA (300 psi) class.
	20	3	2" Lateral tee, Malleable iron, ASTM A47 or A197, ASME B16.3, 2050 kPa (300 psi) class.

* - All pipe and insulation dimensions are approximsate.

NOT TO SCALE

APPROVED:	APPROVED: SAFETY MANAGER JUSTIN GREENE	APPROVED: ACTING CHIEF, FACILITIES MANAGEMENT SERVICE LINE DIANA D. THOMPSOM	APPROVED: MEDICAL CENTER DIRECTOR KARIN McGRAW, MSN, FACHE
APPROVED:	APPROVED: INFECTION CONTROL CARLA RAYNES	APPROVED: ASSOCIATE DIRECTOR for PATIENT CARE SERVICES/EXECUTIVE NURSE DEBRA LEGG, RN, MSN	APPROVED: INTERIM ASSOCIATE DIRECTOR TED HAMB
APPROVED:	APPROVED:	APPROVED: SERVICE LINE CHIEF	APPROVED: CHIEF OF STAFF JOHN D. BERRYMAN, M. D.

DRAWING TITLE: Mechanical – New Work

PROJECT TITLE: Bolier Blow Down Piping & Valve Replacement

DRAWING No. MS–101

PROJECT No. 517–14–122

DRAWN BY: JPP

CHECKED BY: KB, JH

DATE 5/19/14 | REV. | SCALE NTS

Medical Center
200 Veterans Av
Beckley, WV.
25801

PUTTING VETERANS FIRST