



COLUMBUS | CLEVELAND
CINCINNATI | DAYTON
MARIETTA

BRICKER & ECKLER LLP
100 South Third Street
Columbus, OH 43215-4291
MAIN: 614.227.2300
FAX: 614.227.2390

www.bricker.com
info@bricker.com

Sally W. Bloomfield
614.227.2368
sbloomfield@bricker.com

December 22, 2017

Via Electronic Filing

Ms. Barcy McNeal
Administration/Docketing
Ohio Power Siting Board
180 East Broad Street, 11th Floor
Columbus, Ohio 43215-3793

**Re: Dominion Energy Ohio,
Case No. 17-2456-GA-BNR**

Dear Ms. McNeal:

At the request of the Ohio Power Siting Board Staff, attached for filing in the above referenced case is a copy of the drawings (Sheet Nos. 8, 18 and 43) for the Austintown project (Attachment 1). Also attached is a copy of an excel spreadsheet containing the equipment specifications for the metering and regulating station (Attachment 2).

If you have any questions please call at the number listed above.

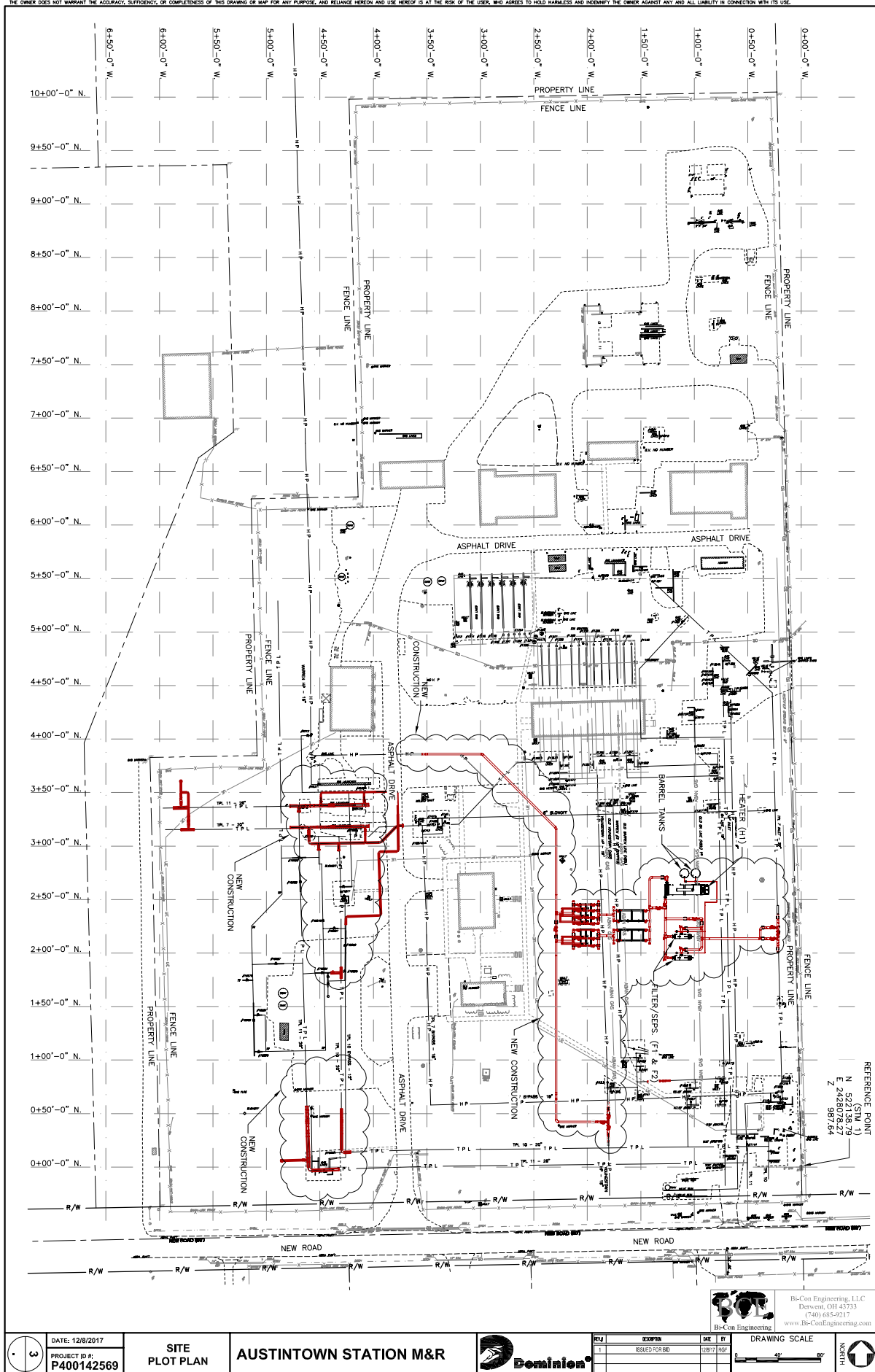
Sincerely,

Sally W. Bloomfield

Attachments

Cc: Ed Steele (w/Attachments)
Ashton Holderbaum (w/Attachments)

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE, AND RELIANCE HEREON AND USE HEREOF IS AT THE RISK OF THE USER, WHO AGREES TO HOLD HARMLESS AND INDEMNIFY THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH ITS USE.



DATE: 12/8/2017
PROJECT ID: P400142569

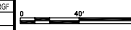
SITE
PLAN

AUSTINTOWN STATION M&R

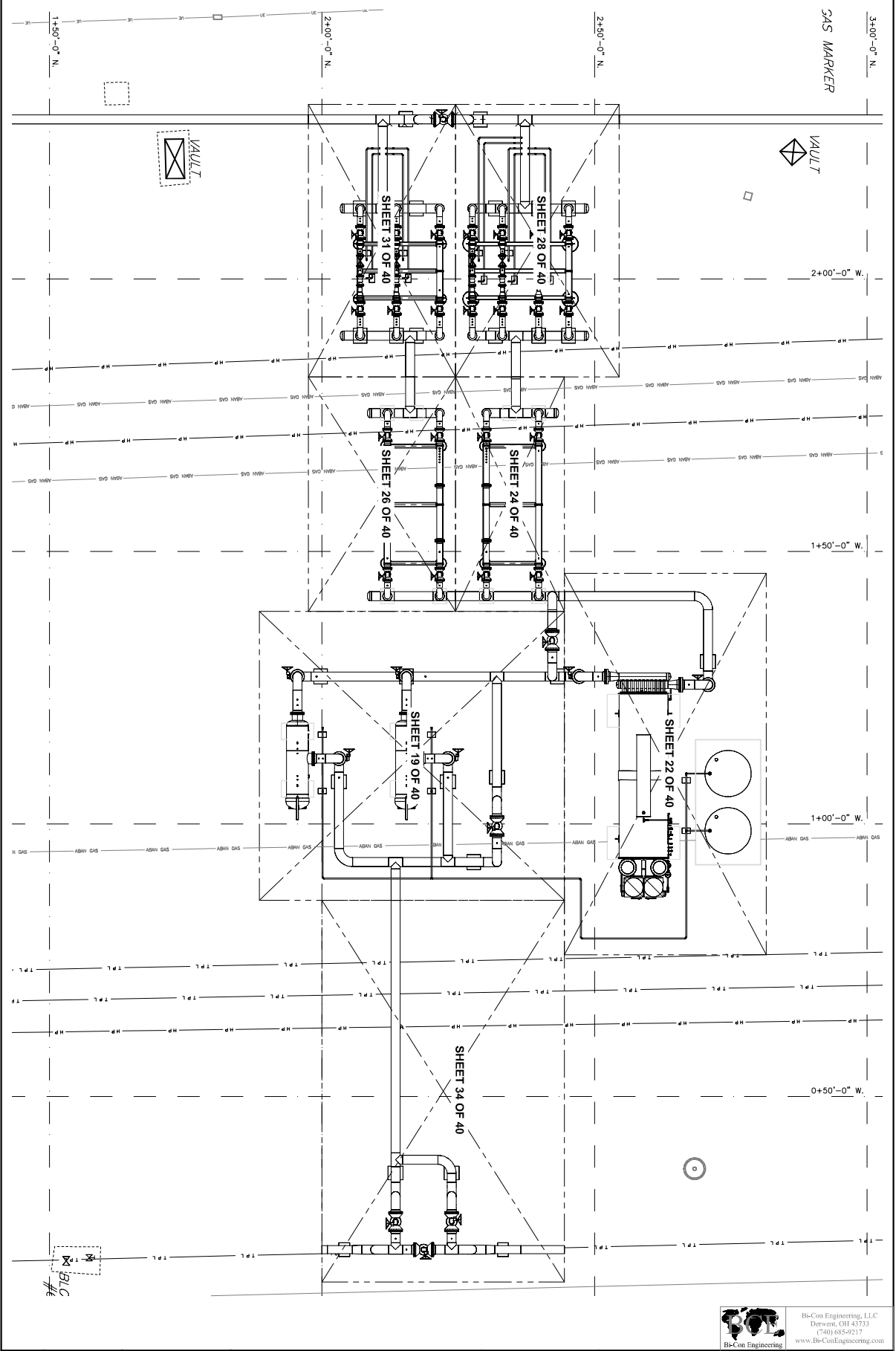


REV	DESCRIPTION	DATE	BY
1	ISSUED FOR BIDDING	12/8/17	RSF

DRAWING SCALE



Bs-Con Engineering, LLC
Beverly, OH 43713
(740) 685-9217
www.Bs-ConEngineering.com



NOTE:
F.T.D. = FIELD TO DETERMINE

Automated Valves Being Installed

Valves being removed

VALVE #	Function	Actuator Type	Outdoor/Indoor	Size	Valve type	ANSI	Size	Estimated Quantity
10741	Warren summer regulation inlet	Rotork IQ3	Inside	12	Cameron T31	300	2	13
10743	Warren winter regulation 1 inlet	Rotork IQ3	Inside	12	Cameron T31	300	3	5
10745	Warren winter regulation 2 inlet	Rotork IQ3	Inside	12	Cameron T31	300	4	6
10749	Youngstown winter 1 regulation inlet	Rotork IQ3	Inside	12	Cameron T31	300	6	1
10751	Youngstown winter 2 regulation inlet	Rotork IQ3	Inside	12	Cameron T31	300	8	12
10720	TPL11 compression discharge/mainline separation	Shafer Rotary Vane	Outdoor	20	Cameron T31	300	10	26
10721	M&R TPL 11 Inlet block valve	Shafer Rotary Vane	Outdoor	20	Cameron T31	300	12	35
10722	M&R compression discharge inlet block valve	Shafer Rotary Vane	Outdoor	20	Cameron T31	300	20	4
10753	Warren/Youngstown equalization	Rotork GP-130	Outdoor	20	Cameron T31	300	26	2
10754	TPL10 mainline valve, south of LEC	Shafer Rotary Vane	Outdoor	20	Cameron T31	300		
10755	Youngstown 20" outlet block valve	Rotork GP-130	Outdoor	20	Cameron T31	300		
10756	Youngstown 20" GA line feed	Rotork GP-130	Outdoor	20	Cameron T31	300		
10757	Youngstown 20" outlet feed	Rotork GP-130	Outdoor	20	Cameron T31	300		
10758	TPL11 mainline valve, south of LEC	Shafer Rotary Vane	Outdoor	26	Cameron T31	300		
10774	TPL7/11 equalization	Shafer Rotary Vane	Outdoor	20	Cameron T31	300		

Manually Operated Valves Being Installed

Size	Valve type	ANSI	Quantity
26	Cameron T31	300	2
20	Cameron T31	300	11
12	Cameron T31	300	25
Less than 12	Kerotest Model 1	300	89

Regulators Being Installed

Size	ANSI	Make	Model	Valve Style	Shutoff Class	Seat Type	Actuator Type	Actuator Series	Actuator Model	Control Style	Positioner	Function
	8	300 Masonellan	41k	Globe	IV	Metal	Single-Acting, push to close	LPSR	52-16	Worker	DNGP w/ high select relay and VRP override	Warren Winter feed
	8	300 Becker	FPCV-T0	Ball	VI	Soft	Single-Acting, push to close	RPSR	10L-SR-39	Monitor	VRP pneumatic pilot	Warren Winter feed
	8	300 Masonellan	41k	Globe	IV	Metal	Single-Acting, push to close	LPSR	52-16	Worker	DNGP w/ high select relay and VRP override	Warren Winter feed
	8	300 Becker	FPCV-T0	Ball	VI	Soft	Single-Acting, push to close	RPSR	10L-SR-39	Monitor	VRP pneumatic pilot	Warren Winter feed
	8	300 Masonellan	41k	Globe	IV	Metal	Single-Acting, push to close	LPSR	52-16	Worker	DNGP w/ high select relay and VRP override	Youngstown Feed
	8	300 Becker	FPCV-T0	Ball	VI	Soft	Single-Acting, push to close	RPSR	10L-SR-39	Monitor	VRP pneumatic pilot	Youngstown Feed
	8	300 Masonellan	41k	Globe	IV	Metal	Single-Acting, push to close	LPSR	52-16	Worker	DNGP w/ high select relay and VRP override	Youngstown Feed
	8	300 Becker	FPCV-T0	Ball	VI	Soft	Single-Acting, push to close	RPSR	10L-SR-39	Monitor	VRP pneumatic pilot	Youngstown Feed
	6	300 Masonellan	41k	Globe	IV	Metal	Single-Acting, push to close	LPSR	52-16	Worker	DNGP w/ high select relay and VRP override	Warren Summer feed
	6	300 Becker	FPCV-T0	Ball	VI	Soft	Single-Acting, push to close	RPSR	10F-SR-33	Monitor	VRP pneumatic pilot	Warren Summer feed
	8	600 Mooney	Flowgrid	Boot	VI	Soft	N/A	N/A	N/A	Worker	Jordan motor and series 20 pilot	GA line supplementation

Regulators Being Removed

Size	Make	Model	Valve Style	Quantity
	8	Fisher	657A	12
	8	Fisher	V100	10
	8	Mooney	Flowgrid	2

Heater being installed

Manufacturer	QB Johnson
Heater Duty	8mmBtu/Hr
Fluid Rate	204MMscfd
Inlet temperature	40F
Heater outlet temperature	73F
Regulation outlet temperature	45F
Bath Temperature	180F
Bath Capacity	9826 gallons
Fuel Consumption	9mcfh
Shell Diameter	108"
Shell length	26'6"
Design Code	API12k, ASME BPVC
Lifting lugs	2
Inlet/Outlet Connection	20" 300ANSI RF
Number of tubes	24
Coil surface area	705ft^2
Number of burners	2
Stack Diameter	20"
Stack Height	12'6"

The heater being removed is an 8mmBtu/Hr heater

Filter Being Installed		Filters being removed
Manufacturer	QB Johnson	We are removing six 48" vertical drip gas cleaners
Filtration level	99% 0.5 micron and above	
Pressure drop	less than 2 psid	
Connetion	20" 300ANSI RFWN	
Automatic dump	Yes	
Dump accessories	Kimray/fisher LLC	

The 100 barrel tank manufactured by Hamilton Tanks and is a UL-142 labeled double wall F-921 tank for flammable and combustible liquids. This tank will be installed and tested to NFPA 30 requirements.

We are not removing any tanks

Meters being installed

Size	Style	Beta	Chamber Brand	Function
12"	Orifice		0.5 Canalta	Youngstown Metering
12"	Orifice		0.5 Canalta	Warren Metering

We are removing 18 12-inch orifice meters

Installing

Line Size	Barrel size	Kicker size	Closure Brand	Closure type	Function
26	30	12	TD Williamsor	D2000	TPL11 cleaning/integrity inspection
20	24	12	TD Williamsor	D2000	TPL7 cleaning/integrity inspection

Removing

Line Size	Barrel size	Function
26	30	TPL11 cleaning/integrity inspection
20	24	TPL7 cleaning/integrity inspection

Piping being installed

Size	Wall	Grade	Below Grade Coating Above Grade Coating	Maximum % SMYS	MAOP
30	0.375	X52	Fusion Bond Epoxy Dura Plate 235 and SW 4019	46.15	600psig
26	0.375	X52	Fusion Bond Epoxy Dura Plate 235 and SW 4020	40	600psig
24	0.375	X52	Fusion Bond Epoxy Dura Plate 235 and SW 4021	36.92	600psig
20	0.375	X52	Fusion Bond Epoxy Dura Plate 235 and SW 4022	30.77	600psig
18	0.375	X52	Fusion Bond Epoxy Dura Plate 235 and SW 4023	27.69	600psig
16	0.375	X52	Fusion Bond Epoxy Dura Plate 235 and SW 4024	24.62	600psig
12	0.375	X52	Fusion Bond Epoxy Dura Plate 235 and SW 4025	19.62	600psig
Less than 12	Varies	Varies	Fusion Bond Epoxy Dura Plate 235 and SW 4026	<20%	Varies

Pipe being removed (estimated footages)

Size	Estimate footage
10	414
12	440
16	63
18	110
20	275
24	15
26	175
30	20

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

12/22/2017 2:48:58 PM

in

Case No(s). 17-2456-GA-BNR

Summary: Correspondence of Dominion Energy Ohio electronically filed by Teresa Orahod
on behalf of Sally W. Bloomfield