




**Re: Fw: South Union Street GSP Tie-in Order Review**   
**Lynn Wagaman** to: Louie DeRoxas

03/15/2018 06:04 AM

History: This message has been replied to.

Louie,

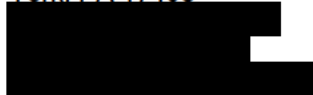
Could you please send me the most recent drawing for this?

Also, do you need me to size all by passes or do you have sizes in mind?

Finally, please confirm that the minimum temperature for all work is 10F.

Thank You,

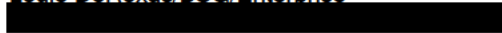
Mr. Lynn Wagaman  
Gas Systems Planning Engineer  
Columbia Gas of PA & MD  
1600 Colony Rd  
York, PA 17408



Louie DeRoxas

Lynn, An update. We are now doing a couple of projects in this area so sequen...

03/14/2018 04:10:05 PM

From: Louie DeRoxas/BSG/Enterprise  
To:   
Date: 03/14/2018 04:10 PM  
Subject: Fw: South Union Street GSP Tie-in Order Review

Lynn,

An update. We are now doing a couple of projects in this area so sequencing is becoming vital. Please see the attachment below. I've listed each project in the area and have color coded my proposed sequencing for your review in the morning. Green must all happen before orange, orange must happen before red. Please review and make any amendments you think is necessary.

[attachment "SOUTH LAWRENCE LOW PRESSURE SYSTEM SEQUENCING.docx" deleted by Lynn Wagaman/CPA/Enterprise]

Call me tomorrow morning if you'd like to discuss this. Thanks,

**Louie DeRoxas, E.I.T | Associate Field Engineer**  
Columbia Gas of Massachusetts, Lawrence  
[REDACTED]



----- Forwarded by Louie DeRoxas/BSG/Enterprise on 03/14/2018 04:00 PM -----

From: Louie DeRoxas/BSG/Enterprise  
To: [REDACTED]  
Date: 03/12/2018 11:06 AM  
Subject: Re: South Union Street GSP Tie-in Order Review

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Good morning Lynn/Dan,

I was hoping we could take a look at this one more time. We are now doing a project on Market Street and will most likely need to do the tie-in to South Union Street sooner. If we move the Market Street tie-in from step 8) to step 1) on the list and do not change the rest of the tie-in order, will this pose any issues if we're at 10 degrees F (I don't foresee it getting colder than that in April)?

If you have alternatives, let me know.

Let me know,

**Louie DeRoxas, E.I.T | Associate Field Engineer**  
Columbia Gas of Massachusetts, Lawrence  
[REDACTED]



Lynn Wagaman

Hi Louie, I have been iteratively trying to get this model to work where I could ti...

12/12/2017 11:05:00 AM

From: Lynn Wagaman/CPA/Enterprise  
To: Louie DeRoxas/BSG/Enterprise@NISOURCE,  
Cc: Daniel Lacorazza/NCS/Enterprise@NISOURCE  
Date: 12/12/2017 11:05 AM  
Subject: Re: South Union Street GSP Tie-in Order Review

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Hi Louie,

I have been iteratively trying to get this model to work where I could tie in the 8" PLP and disconnect the 6" CI at a given location, then move on to the next location.

I have not been able to find any sequence where that is feasible.

I struggled to understand the reasoning until I took some time to look around at the existing model in the current state, with no proposed tie in work; just as the model sits today.

The reason that this area cannot survive without these 6" CI pipes is that the eastern side of this system is already nearly out of gas. The LP system is modeled at 2.5" w.c. on design day.

I propose that the following steps. Let me know your thoughts on how well this proposal will be received and if it will be feasible in the field.

The system pressures remain approximately the same throughout the tie in procedure shown below, with negligible fluctuations from the existing model. The final system pressures are approximately the same as the current conditions after the project has been completed. We should work to improve the system pressures as opportunity presents itself in this area.

- 1) Tie all services over to the 8" PLP
- 2) Tie in on Winthrop and cap existing
- 3) Tie In on Exeter and cap existing, leaving 6" CI main in service along Union St
- 4) Repeat step 3 for Cambridge St, Boxford St, Andover St, Farmham St, Abbot St and up to and including Bailey St West and East
- 5) Skip Salem St east and west and proceed to Springfield St (return later in sequence)
- 6) Tie in on Springfield St and cap existing, leaving 6" CI
- 7) Make tie ins at Salem East and West
- 8) Make tie ins at Market St
- 9) Abandon all 6" CI at once after all side streets have been connected as shown above. (consider purging from Market St to Winthrop St, or visa versa)

Please feel free to contact me to discuss more or if you have questions or concerns.

Thank You,

Mr. Lynn Wagaman  
Gas Systems Planning Engineer  
Columbia Gas of PA & MD  
1600 Colony Rd  
York, PA 17408



Louie DeRoxas Yes, please proceed with that assumption for now. Thank you, Louie DeRoxas,... 12/11/2017 12:25:56 PM

From: Louie DeRoxas/BSG/Enterprise  
To: Lynn Wagaman/CPA/[REDACTED]  
Date: 12/11/2017 12:25 PM  
Subject: Re: South Union Street GSP Tie-in Order Review

Yes, please proceed with that assumption for now. Thank you,

**Louie DeRoxas, E.I.T | Associate Field Engineer**  
Columbia Gas of Massachusetts. Lawrence



Lynn Wagaman Hi Louie. Thanks for this response. 12/11/2017 12:03:52 PM

From: Lynn Wagaman/CPA/Enterprise  
To: Louie DeRoxas/BSG/Enterprise [REDACTED]  
Date: 12/11/2017 12:03 PM  
Subject: Re: South Union Street GSP Tie-in Order Review

Hi Louie.

Thanks for this response.

I would fully support the idea that the crews tie over all services before abandoning the mains.

Should I proceed that way? At first glance, that seems like the safest path to take here.

Thank You,

Mr. Lynn Wagaman  
Gas Systems Planning Engineer  
Columbia Gas of PA & MD  
1600 Colony Rd  
York, PA 17408



Louie DeRoxas Hey Lynn, If you do that systematically and it works in the model, then that wor... 12/08/2017 10:54:58 AM

From: Louie DeRoxas/BSG/Enterprise  
To: Lynn Wagaman/CPA/[Redacted]  
Date: 12/08/2017 10:54 AM  
Subject: Re: South Union Street GSP Tie-in Order Review

Hey Lynn,

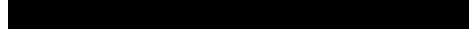
If you do that systematically and it works in the model, then that works for me. I was just worried about the rest of the LP system in that area. I mostly need your help in letting me know what we cannot do, as I don't want to restrict any flow getting to the other mains in that area before they're tied back in.

There would only be one tie-in at location 1 as both those CI mains are going to be retired and the new main will be the only active main.

Do you see any issue with tie-ing over all services before we do the tie-ins? The new main is active and this may save us time so we don't need to wait for services to proceed with tie-ins.

Let me know what you think,

**Louie DeRoxas, E.I.T | Associate Field Engineer**  
Columbia Gas of Massachusetts, Lawrence



Lynn Wagaman Good Morning Louie. I have a question so that I can be certain that I am modeli... 12/08/2017 09:27:37 AM

From: Lynn Wagaman/CPA/Enterprise

To: Louie DeRoxas/BSG/Enterprise@NISOURCE,  
Date: 12/08/2017 09:27 AM  
Subject: Re: South Union Street GSP Tie-in Order Review

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Good Morning Louie.

I have a question so that I can be certain that I am modeling this correctly.

I was going to do the following:

Break the 6" CI pipe(s) at location 1 and make tie ins to the 8" P in all locations where the older pipes were tied in to.

Tie over services between #1 and #2 and eliminate the other pipes.

Continue until completed.

Is that how you envision this going? If not, how?

Thank You,

Mr. Lynn Wagaman  
Gas Systems Planning Engineer  
Columbia Gas of PA & MD  
1600 Colony Rd  
York, PA 17408

[REDACTED]

Louie DeRoxas

Correct. All these tie-ins are for the low pressure, low for low. Louie DeRoxas,...

11/30/2017 02:39:16 PM

From: Louie DeRoxas/BSG/Enterprise  
To: Lynn Wagaman/CPA/E [REDACTED]  
Date: 11/30/2017 02:39 PM  
Subject: Re: South Union Street GSP Tie-in Order Review

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Correct. All these tie-ins are for the low pressure, low for low.

Louie DeRoxas, E.I.T | Associate Field Engineer  
Columbia Gas of Massachusetts, Lawrence

[REDACTED]



Lynn Wagaman

Louie, This is Low for Low, correct?

11/30/2017 02:37:12 PM

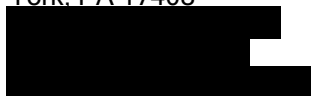
From: Lynn Wagaman/CPA/Enterprise  
To: Louie DeRoxas/BSG/Enterprise@NISOURCE,  
Date: 11/30/2017 02:37 PM  
Subject: Re: South Union Street GSP Tie-in Order Review

Louie,

This is Low for Low, correct?

Thank You,

Mr. Lynn Wagaman  
Gas Systems Planning Engineer  
Columbia Gas of PA & MD  
1600 Colony Rd  
York, PA 17408



Louie DeRoxas

Lynn, We discussed this project in our meeting a couple weeks ago. I have a pr...

11/30/2017 02:28:58 PM

From: Louie DeRoxas/BSG/Enterprise  
To: Lynn Wagaman/CPA/Enterprise  
Cc: Daniel Lacorazza/NCS/Enterprise, Steve DeCarolis/NCS/Enterprise  
Date: 11/30/2017 02:28 PM  
Subject: South Union Street GSP Tie-in Order Review

Lynn,

We discussed this project in our meeting a couple weeks ago. I have a project that includes 17 tie-ins on the low pressure system in Lawrence. I need help determining what order to do these tie-ins so that I am not putting the LP area at risk when doing cut-offs. We have stubs installed for each side street, and will use bypasses for the tie-ins unless GSP deems that a tie-in would not need one due to an adequate two way feed.

I have attached a map below with each tie-in that needs to be done.

[attachment "LAW\_S Union St\_GIS\_Numbered Tie-ins.pdf" deleted by Lynn Wagaman/CPA/Enterprise]

Notes:

- There are currently 3 live LP mains on South Union St, our new 8" Plastic main, and two 6" Cast Iron mains.
- We want to tie over all the side streets from the 6" CI mains to the 8" Plastic main and abandon both 6" CI mains.
- Currently the 8" Plastic Main is only tied into the LP outlet of the reg station.
- No services have been tied-over yet.
- We plan on doing this work in the Summer, but would like to model this as if it may happen at Spring or Fall temperatures.
- The existing mains are accurately mapped in GIS and should be accurate in the Lawrence Model as well.

Let me know if you have any questions,

**Louie DeRoxas, E.I.T | Associate Field Engineer**  
Columbia Gas of Massachusetts, Lawrence

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of Massachusetts  
A NISource Company

