



Piping Tie-ins

TASK SPECIFIC HAZARD AWARENESS

	Hazards	Mitigation / Requirements
A	Awkward body position	Avoid repetitive patterns and have rotation among workers.
B	Communication with Crane	Be sure and have good clear hand signals when oprator can see you if he can't use radios
C	Dropped objects	Tie off tools and try and keep work over scaffolding
D	Fall potential while working at heights	Be 100% tied off before climbing in the rack or on scaffolding. have scaffolding inspected everyday before work starts.
E	Pinch Points from installing valves	Avoid putting hands in between flanges or piping spools
F	Rigging Failure when demoing and installing piping and valves	Make rigging is in good working order and in date
G	Spills/Loss of Containment During Valve Replacement	Have containment in place before breaking flanges

STOP WORK AUTHORITY

ANYONE CAN STOP THE JOB IF IT IS UNSAFE OR THEY ARE UNSURE OF THE TASK AT HAND

Installation - Pre Work	
1	Stage all tools, materials and equipment on job site.
2	Erect scaffolding as needed for piping and valves to be installed
3	Prehang rigging needed to hoist valves and piping into position.
4	Prehang piping need for valve installation.
5	Have drip pans and absorbent pads in place below flanges before flanges are broken.
6	Hot bolt flanges where needed for tie-in's
Installation - Work	
7	Check LO/TO and make sure double block and bleed procedure is followed and add lock.
8	Remove blind flange from existing line at TP-513. Blind will be reused.
9	Using crane lift and lower valve 8" gate valve (Tag.B1RF) into place. UDA-6"-HM-6578-B-3" HCCG SHT. 1
10	Reinstall blind flange and torque to the proper spec.
11	Remove blind flange from existing line at TP-514. Blind will be reused.
12	Using crane lift and lower valve 8" gate valve (Tag.B1RF) into place. UDA-6"-HM-6579-B-2.5" HCCG SHT. 2
13	Reinstall blind flange and torque to the proper spec.
14	Using preinstalled rigging demo existing 10" blind flange at TP-515.
15	Move pre hung spool and valve (Tag.A2RF4) into place at TP-515.Dwg.UDB-8"-HF3370-SA SHT. 6
16	Tighten flanges and torque to the proper spec.
17	Remove blind flange from existing line at TP-520. Blind will be reused.
18	Using preinstalled rigging hoist 3" 150# ball valve (TAG.A2R) for TP-520 into place. Dwg.UDB-3"-IA-5140-AGM
19	Reinstall blind flange that was removed and torque blind/valve to the proper spec.
20	Remove blind flange from existing line at TP-521. Blind will be reused.
21	Using preinstalled rigging hoist 3" 150# ball valve (TAG.A2R) for TP-521 into place. Dwg. UDB-2"IA-5138-AGM
22	Reinstall blind flange that was removed and torque blind/valve to the proper spec.
23	Remove 1-1/2" plug from existing line at TP-539. Plug will be reused.
24	Install 3"long threaded nipple,tee and ball valve(Tag.D2SF4)on to existing 1-1/2" line. Dwg.4003-1.5"-LH-8306-SA SHT. 1
25	Reinstall plug that was removed and tighten assembly to the proper spec.
26	Mark cut locations on existing spool at TP-540
27	Using new spool (Dwg.4003-1.5"-ME-8507-SA) check cut marks and cut existing line to install new piping assembly.
28	Install union halves on to existing line at TP-540 and tighten.
29	Install new spool piping assembly UDB-1.5"ME-8507-SA SHT.1 adding blind or plug at the end for future tie-in.
30	Remove blind flange from existing line at TP-549. Blind will be reused.
31	Using preinstalled rigging hoist 3" 150# ball valve (TAG.A2R) for TP-549 into place. Dwg. UDB-2"-UA-5501-AGM
32	Reinstall blind flange that was removed and torque blind/valve to the proper spec.
33	Demo existing 2" line coming from TP-557.
34	Using preinstalled rigging, hoist 2" 150# ball valve (TAG.A2R) for TP-557 into place. Dwg.UDB-2"-UA-5439-AGM
35	Install new blind flange and torque blind/valve to the proper spec.
Installation - Post Work	
36	Remove demoed piping from job site and discard into scrap iron.
37	Remove rigging that was used to install valves and piping.
38	Dismantle scaffolding from tie-ins and store in the proper location.
39	Clean up job site and remove all tools and equipment from area, store in the proper location.

Installation Requirements		Operations Requirements		Required Permits	
X	Chainfalls / Come-a-longs	X	Depressurize	X	Work Permit
X	Containment	X	LO/TO		
X	Crane Usage	X	Pltfm Shut-down		
X	Isolation				
X	Scaffolding				
X	Working over water				

Crew Make-up			
QTY	Discipline	Contractor	Notes/Special Tools
2	Superintendent	GIS	
6	Fitter	GIS	
2	Crane Operator	GIS	
2	Rigger	GIS	
4	Scaffolding	GIS	
4	Specialty	Nacher	Rope Access

Ship Loose Materials				
Item	QTY	Size	Description	Comments
1	2	8" 300# RF	Gate Valve (TAG: B1RF)	(TP-513, 514) With Studs, Nuts and Gasket
2	1	8"	Pipe Spool	(TP-515) With Studs, Nuts and Gaskets
3	1	8" 150# RF	Ball Valve (TAG: A2RF4)	(TP-515) With Studs, Nuts and Gaskets
4	3	3" 150# RF	Ball Valve Lever Operated (TAG: A2R)	(TP-520, 521, 549) With Studs, Nuts and Gaskets
5	2	1-1/2" 2000 PSI	Ball Valve THRD, Lever Operated (TAG-D2SF4)	(TP-539,540) With Assorted Threaded Fittings and Plugs
6	1	2" 150# RF	VALVE, BALL, LEVER OPERATED (RP) , TAG: A2R	(TP-557) With Studs, Nuts and Gaskets

Work Pack Task List Revision History				
No.	Description	Checked	Approved	WPTLRevDate
0	Preliminary Issued for Review			02/23/2018

Work Package Task List					
Work Description	Client:	LLOG	Asset:	MC-254A Delta House	
BW RZ Topside Installation Piping Install	Project:	Delta House 2018 Shut In			
	Written By:	TLJ	Checked By:	CM	WPTL# WPTL-001

