TABLE S3-1-1 HENSEL REPLACEMENT - WETLANDS SUBFACILITY DETAILS TABLE

									SUBFACILITY CODE: PIPE									IMPACT GROUP SUBFACILITIES	
Milepost	Crossing Name [1]	Wetland ID[2]	Cowardin Code[3]	§ 105.17 Classification[4]	Latitude	Longitude	County	Municipality	Type[5]	Product Code[6]	Pipeline Diameter	Depth of Cover [7]	Line Encased[8]	Shut Off Controls[9]	Attached to Water Obstruction[10]	ROW Width[11] (linear ft.)	Pipe Length[12] (linear ft.)	Temporary Wetland Impact (TMPWI)[13] (acres)	Wetland Direct Impact (WTDIM)[14] (acres)
190	HR-2[15]	W17-T7-HR	PEM	Other	41.406722	-77.778681	Clinton	Leidy	TRNC	PETRO	36"	3' Min.	N	Yes	No	75	122	0.22	0
190.5	HR-4[15]	W8-T6-HR	PSS	EV	41.409451	-77.787396	Clinton	Leidy	TRNC	PETRO	36"	3' Min.	N	Yes	No	81	3	0.01	0
190.7	HR-5	W1-T7-HR	PSS	EV	41.410580	77.791493	Clinton	Leidy	TRNC	PETRO	36"	3' Min.	N	Yes	No	9	N/A	0.01	0
190.7	HR-5	W1-T7-HR	PEM	EV	41.410447	77.791247	Clinton	Leidy	TRNC	PETRO	36"	3' Min.	N	Yes	No	34	27	0.04	0
190.7	HR-5	W1-T7-HR	PFO	EV	41.410490	77.791816	Clinton	Leidy	TRNC	PETRO	36"	3' Min.	N	Yes	No	22	N/A	0.01	0
191	HR-7	W1-T7-HR	PEM	Other	41.412013	77.797535	Clinton	Leidy	TRNC	PETRO	36"	3' Min.	N	Yes	No	24	N/A	0.01	0
191	HR-7	W1-T7-HR	PSS	Other	41.411968	77.797441	Clinton	Leidy	TRNC	PETRO	36"	3' Min.	N	Yes	No	25	18	0.02	0
193	HR-8	W4-T5-HR	PSS	EV	41.419136	77.832958	Clinton	Leidy	TRNC	PETRO	36"	3' Min.	N	Yes	No	68	64	0.11	0
193	HR-8	W4-T5-HR	PEM	EV	41.418643	-77.833261	Clinton	Leidy	TRNC	PETRO	36"	3' Min.	N	Yes	No	3	N/A	0.001	0
193.1	HR-9	W4-T5-HR	PEM	EV	41.415742	-77.835091	Clinton	Leidy	TRNC	PETRO	36"	3' Min.	Y	Yes	No	71	303	0.42	0
193.1	HR-9	W4-T5-HR	PFO	EV	41.415565	-77.834754	Clinton	Leidy	TRNC	PETRO	36"	3' Min.	Y	Yes	No	30	35	0.05	0
193.1	HR-9	W4-T5-HR	PSS	EV	41.415670	-77.835236	Clinton	Leidy	TRNC	PETRO	36"	3' Min.	Y	Yes	No	90	155	0.27	0
193.6	HR-10	W3-T1-HR	PEM	Other	41.421967	-77.847515	Clinton	Leidy	TRNC	PETRO	36"	3' Min.	Y	Yes	No	90	257	0.48	0
193.8	HR-11	W1-T1-HR	PEM	EV	41.426073	-77.849822	Clinton	Leidy	TRNC	PETRO	36"	3' Min.	Y	Yes	No	90	188	0.38	0

1. Unique identifier for Single and Complete Crossings.
2. Unique name for impacted resource.
3. Cowardin Codes: PEM = Palustrine Emergent; PSS = Palustrine Scrub-Shrub Wetland; PFO = Palustrine Forested.
4. Exceptional Value Wetland Classifications as defined in §105.17 of the PA Code:
   i. Wetland serves as habitat for species listed as ''threatened'' or ''endangered.''
   ii. Wetland is located within the floodplain of a wild trout stream, or its tributaries, or an exceptional value stream.
   iii. Wetland is located within the floodplain of a wild trout stream, or its tributaries, or an exceptional value stream.
   iv. Wetland is located along an existing private or public water supply.
5. Description of the method of pipe crossing employed. TRNC - Open Trenched.
6. Description of the product delivered in the pipeline. PETRO - Petroluem, Natural Gas, Oil, etc.
7. If shallow bedrock is present during the construction phase, the pipeline may be installed with a minimum of 1 foot of cover.
8. Notes if concrete encasement is used on the pipeline at the crossing.
9. Notes if shut off controls are employed or required.
10. Notes if the pipe is attached to another water obstruction.
11. Indicates the width of the right-of-way (ROW) at the resource crossing. For those features that are only partially within the ROW, a width across the ROW is noted.
12. Pipe length measured as the length of the wetland crossing. N/A indicates the resource is in the Project workspace, but not crossed by the pipe.
13. Area of wetland impact within the Project workspace, where only temporary fill or excavation is occuring.
14. Area of wetland impact within the Project workspace, where only permanent fill, draining or conversion of a resource to another type is occuring.
15. Cathodic Protection will be installed adjacent to the pipeline at this location.

TABLE S3-1-2 HENSEL REPLACEMENT - WATERWAYS SUBFACILITY DETAILS TABLE

											SUBFACILITY CODE: PIPE								
Milepost	Crossing Name [1]	Watercourse ID[2]	Stream Type[3]	Chapter 93 Classification[4]		PFBC Classification[7]	Latitude	Longitude	County	Municipality	Type[8]	Product Code[9]	Pipeline Diameter	Depth of Cover [10]	Line Encased[11]	Shut Off Controls[12]	Attached to Water Obstruction[13]	ROW Width[14] (linear ft.)	Pipe Length[15] (linear ft.)
				Designated Use[5]	Existing Use[6]														
189.1	HR-1[16]	S12-T6-HR	Perennial	EV, MF	-	Wild Trout Waters	41.401528	-77.762655	Clinton	Chapman	TRNC	PETRO	36"	4' Min.	Yes	Yes	No	79	21
190.4	HR-3[16]	S9-T6-HR	Perennial	EV, MF	-	Wild Trout Waters	41.408864	-77.785269	Clinton	Leidy	TRNC	PETRO	36"	4' Min.	Yes	Yes	NO	80	6
190.5	HR-4[16]	S7-T7-HR	Perennial	EV, MF	-	Wild Trout Waters	41.409432	-77.787402	Clinton	Leidy	TRNC	PETRO	36"	4' Min.	Yes	Yes	No	84	35
190.7	HR-5	S1-T7-HR	Perennial	EV, MF	-	Wild Trout Waters	41.410526	-77.791599	Clinton	Leidy	TRNC	PETRO	36"	4' Min.	Yes	Yes	No	128	39
191.0	HR-7	S1-T7-HR	Perennial	EV, MF	-	Wild Trout Waters	41.411875	-77.797321	Clinton	Leidy	TRNC	PETRO	36"	4' Min.	Yes	Yes	No	135	20
193.1	HR-9	S1-T5-HR	Intermittent	EV, MF	-	Wild Trout Waters	41.415907	-77.834091	Clinton	Leidy	TRNC	PETRO	36"	4' Min.	Yes	Yes	No	51	N/A
193.2	HR-9	S2 T7a-HR	Perennial	EV, MF	-	Wild Trout Waters	41.415782	-77.835919	Clinton	Leidy	TRNC	PETRO	36"	4' Min.	Yes	Yes	No	53	52
193.9	HR-11	S1-T1-HR	Ephemeral	EV, MF	-	Wild Trout Waters	41.426692	-77.849971	Clinton	Leidy	TRNC	PETRO	36"	4' Min.	Yes	Yes	No	87	5

Notes:

1. Unique identifier for Single and Complete Crossings.
2. Unique name for impacted resource.
3. The flow regime of the stream; I = Intermittent, E = Ephemeral, P = Perennial.
4. Chapter 93 classification as outlined in Title 25 of the PA Code: CWF = Coldwater Fishes, WWF = Warm Water Fishes, MF = Migratory Fishes, HQ = High Quality, EV = Exception Value, TSF = Trout Stocked Fishery.
5. Those uses specified in PACODE Chapter 93.4(a) and 93.9a-93.9z for each water body or segment whther or not they are being attained.
6. Thoses uses actually attained in the water body on or after 11/28/75, whether or not they are included in the water quality standards.
7. PA Fish and Boat Commission stream designation, as it relates to trout or other species where seasonal restrictions are implemented.
8. Description of the method of pipe crossing employed. TRNC - Open Trenched
9. Description of the product delivered in the pipeline. PETRO - Petroluem, Natural Gas, Oil, etc.
10. If shallow bedrock is present during the construction phase, the pipeline may be installed with a minimum of 1 foot of cover.
11. Notes if concrete encasement is used on the pipeline at the crossing.
12. Notes if shut off controls are employed or required.
13. Notes if the pipe is attached to another water obstruction.
14. Indicates the width of the right-of-way (ROW) at the resource crossing. For those features that are only partially within the ROW, a width across the ROW is noted.
15. Pipe length measured as the length of the stream crossing. N/A indicates the resource is in the Project workspace, but not crossed by the pipe.
16. Cathodic Protection will be installed adjacent to the pipeline at this location.

TABLE S3-1-3 HENSEL REPLACEMENT - ABANDONMENT - WETLANDS SUBFACILITY DETAILS TABLE

									SUBFACILITY CODE: PIPE									IMPACT GROUP SUBFACILITIES	
Milepost	Crossing Name [1]	Wetland ID[2]	Cowardin Code[3]	§ 105.17 classification[4]	Latitude	Longitude	County	Municipality	Type[5]	Product Code[6]	Pipeline Diameter	Depth of Cover [7]	Line Encased[8]	Shut Off Controls[9]	Attached to Water Obstruction[10]	ROW Width[11]	Pipe Length[12]	Temporary Wetland Impact (TMPWI)[13]	Wetland Direct Impact (WTDIM)[14]
																(linear ft.)	(linear ft.)	(acres)	(acres)
190	HR-2	W17-T7-HR	PEM	Other	41.406722	-77.778681	Clinton	Leidy	TRNC	PETRO	36"	3' Min.	N/A	Yes	No	75	122	0.22	0
190.5	HR-4	W8-T6-HR	PSS	EV	41.409451	-77.787396	Clinton	Leidy	TRNC	PETRO	36"	3' Min.	N/A	Yes	No	81	3	0.01	0
190.7	HR-5	W1-T7-HR	PSS	EV	41.410580	77.791493	Clinton	Leidy	TRNC	PETRO	36"	3' Min.	N/A	Yes	No	9	N/A	0.01	0
190.7	HR-5	W1-T7-HR	PEM	EV	41.410447	77.791247	Clinton	Leidy	TRNC	PETRO	36"	3' Min.	N/A	Yes	No	34	27	0.04	0
190.7	HR-5	W1-T7-HR	PFO	EV	41.410490	77.791816	Clinton	Leidy	TRNC	PETRO	36"	3' Min.	N/A	Yes	No	22	N/A	0.01	0
191	HR-7	W1-T7-HR	PEM	Other	41.412013	77.797535	Clinton	Leidy	TRNC	PETRO	36"	3' Min.	N/A	Yes	No	24	N/A	0.01	0
191	HR-7	W1-T7-HR	PSS	Other	41.411968	77.797441	Clinton	Leidy	TRNC	PETRO	36"	3' Min.	N/A	Yes	No	25	18	0.02	0
194	HR-12	W4-T5-HR	PEM	EV	41.423177	-77.839199	Clinton	Leidy	TRNC	PETRO	36"	3' Min.	N/A	Yes	No	NA	2226	0.16	0
194	HR-12	W4-T5-HR	PSS	EV	41.421904	-77.837794	Clinton	Leidy	TRNC	PETRO	36"	3' Min.	N/A	Yes	No	NA	1632	0.12	0

1. Unique identifier for Single and Complete Crossings.
2. Unique name for impacted resource.
3. Cowardin Codes: PEM = Palustrine Emergent; PSS = Palustrine Scrub-Shrub Wetland; PFO = Palustrine Forested.
4. Exceptional Value Wetland Classifications as defined in §105.17 of the PA Code:
   i. Wetland serves as habitat for species listed as ''threatened'' or ''endangered.''
   ii. Wetland is hydrologically connected to or located within ½ mile from habitat for species listed above that are wetland dependent.
   iii. Wetland is located within the floodplain of a wild trout stream, or its tributaries, or an exceptional value stream.
   iv. Wetland is located along an existing private or public water supply.
5. Description of the method of pipe crossing employed. TRNC - Open Trenched
6. Description of the product delivered in the pipeline. PETRO - Petroluem, Natural Gas, Oil, etc.
7. If shallow bedrock is present during the construction phase, the pipeline may be installed with a minimum of 1 foot of cover.
8. Notes if concrete encasement is used on the pipeline at the crossing.
9. Notes if shut off controls are employed or required.
10. Notes if the pipe is attached to another water obstruction.
11. Indicates the width of the right-of-way (ROW) at the resource crossing. For those features that are only partially within the ROW, a width across the ROW is noted.
12. Pipe length measured as the length of the wetland crossing. N/A indicates the resource is in the Project workspace, but not crossed by the pipe.
13. Area of wetland impact within the Project workspace, where only temporary fill or excavation is occuring.
14. Area of wetland impact within the Project workspace, where only permanent fill, draining or conversion of a resource to another type is occuring.
15. Cathodic Protection will be installed adjacent to the pipeline at this location.
16. Abandonment refers to A-Line where either the removal of the existing line or abandonment in-place with grout is proposed. Only Crossing HR-12 is to be abandoned in place. Removal will occur at the other crossings noted.

TABLE S3-1-4 HENSEL REPLACEMENT - ABANDONMENT - WATERWAYS SUBFACILITY DETAILS TABLE

											SUBFACILITY CODE: PIPE								
Milepost	Crossing Name [1]	Watercourse ID[2]	Stream Type[3]	Chapter 93 Classification[4]		PFBC Classification[7]	Latitude	Longitude	County	Municipality	Type[8]	Product Code[9]	Pipeline Diameter	Depth of Cover [10]	Line Encased[11]	Shut Off Controls[12]	Attached to Water Obstruction[13]	ROW Width[14]	Pipe Length[15]
				Designated Use[5]	Existing Use[6]													(linear ft.)	(linear ft.)
189.1	HR-1	S12-T6-HR	Perennial	EV, MF	-	Wild Trout Waters	41.401528	-77.762655	Clinton	Chapman	TRNC	PETRO	36"	4' Min.	N/A	Yes	No	79	21
190.4	HR-3	S9-T6-HR	Perennial	EV, MF	-	Wild Trout Waters	41.408864	-77.785269	Clinton	Leidy	TRNC	PETRO	36"	4' Min.	N/A	Yes	No	80	6
190.5	HR-4	S7-T7-HR	Perennial	EV, MF	-	Wild Trout Waters	41.409432	-77.787402	Clinton	Leidy	TRNC	PETRO	36"	4' Min.	N/A	Yes	No	84	35
190.7	HR-5	S1-T7-HR	Perennial	EV, MF	-	Wild Trout Waters	41.410526	-77.791599	Clinton	Leidy	TRNC	PETRO	36"	4' Min.	N/A	Yes	No	128	39
191.0	HR-7	S1-T7-HR	Perennial	EV, MF	-	Wild Trout Waters	41.411875	-77.797321	Clinton	Leidy	TRNC	PETRO	36"	4' Min.	N/A	Yes	No	135	20

Notes:

1. Unique identifier for Single and Complete Crossings.
2. Unique name for impacted resource.
3. The flow regime of the stream; I = Intermittent, E = Ephemeral, P = Perennial.
4. Chapter 93 classification as outlined in Title 25 of the PA Code: CWF = Coldwater Fishes, WWF = Warm Water Fishes, MF = Migratory Fishes, HQ = High Quality, EV = Exception Value, TSF = Trout Stocked Fishery.
5. Those uses specified in PACODE Chapter 93.4(a) and 93.9a-93.9z for each water body or segment whther or not they are being attained.
6. Thoses uses actually attained in the water body on or after 11/28/75, whether or not they are included in the water quality standards.
7. PA Fish and Boat Commission stream designation, as it relates to trout or other species where seasonal restrictions are implemented.
8. Description of the method of pipe crossing employed. TRNC - Open Trenched
9. Description of the product delivered in the pipeline. PETRO - Petroluem, Natural Gas, Oil, etc.
10. If shallow bedrock is present during the construction phase, the pipeline may be installed with a minimum of 1 foot of cover.
11. Notes if concrete encasement is used on the pipeline at the crossing.
12. Notes if shut off controls are employed or required.
13. Notes if the pipe is attached to another water obstruction.
14. Indicates the width of the right-of-way (ROW) at the resource crossing. For those features that are only partially within the ROW, a width across the ROW is noted.
15. Pipe length measured as the length of the stream crossing. N/A indicates the resource is in the Project workspace, but not crossed by the pipe.
16. Cathodic Protection will be installed adjacent to the pipeline at this location.
17. Abandonment refers to A-Line where either the removal of the existing line or abandonment in-place with grout is proposed. Only Crossing HR-12 is to be abandoned in place. Removal will occur at the other crossings noted.

TABLE S3-1-5 HENSEL REPLACEMENT - PERMANENT ACCESS ROAD -WETLAND DIRECT IMPACT SUMMARY TABLE

								SUBFACILITY CODE: WTDIM				
Milepost	**Crossing Name [1]**	**Wetland ID[2]**	**§ 105.17 Classification[3]**	**Latitude**	**Longitude**	**County**	**Municipality**	**Deminimus Impact[4]**	**Impact Area (ac)[5]**	**Classification Type Code[6]**	**Regulatory Classification Code[7]**	**Total Impact[8]**
AR-189.5	HR-AR-2	W5-T7a-HR	Other	41.432587	-77.768256	Clinton	Chapman	No	0.02	PEM	OW	0.020

1. Unique identifier for Single and Complete Crossings.
2. Unique name for impacted resource.
3. Exceptional Value Wetland Classifications as defined in §105.17 of the PA Code:
   i. Wetland serves as habitat for species listed as ‘‘threatened’’ or ‘‘endangered.’’
   ii. Wetland is hydrologically connected to or located within ½ mile from habitat for species listed above that are wetland dependent.
   iii. Wetland is located within the floodplain of a wild trout stream, or its tributaries, or an exceptional value stream.
   iv. Wetland is located along an existing private or public water supply.
4. Indicates whether theimpact qualifies under the Deminimus policy, which applies to the impact sizes equal to or less than 0.05 acres.
5. Area of resource impacted with permanent fill.
6. Cowardin Codes: PEM = Palustrine Emergent; PSS = Palustrine Scrub-Shrub Wetland; PFO = Palustrine Forested
7. Code used to identify the regulatory classification of the impacted area. OW- Other Waters.
8. Total acres for all impact area records.

TABLE S3-1-6 HENSEL REPLACEMENT - PERMANENT ACCESS ROAD -BRIDGE SUMMARY TABLE

								SUBFACILITY CODE: BRDG																
Milepost	**Crossing Name [1]**	**Wetland ID[2]**	**§ 105.17 Classification[3]**	**Latitude**	**Longitude**	**County**	**Municipality**	**Design Flood: Event Code**	**Design Flood: Flow**	**Design Flood: Event Elevation**	**Drainage Area (ac)**	**Replace Existing Structure**	**Footprint: Width**	**Footprint: Length**	**Hydrologic Meth Code**	**Hydraulic Meth Code**	**Total Length of Impact**	**Type of Structure Code**	**Appurtenant Structure Code**	**Mitigation Measure Code**	**# Opening**	**Width**	**Height**	**Diamter**	**Material Used**
AR-189.5	HR-AR-2	W5-T7a-HR	Other	41.432587	-77.768256	Clinton	Chapman	N/A	N/A	N/A	15.45	No	9'	127'	N/A	N/A	127'	N/A	N/A	N/A	OW	N/A	N/A	N/A	Other

1. Unique identifier for Single and Complete Crossings.
2. Unique name for impacted resource.
3. Exceptional Value Wetland Classifications as defined in §105.17 of the PA Code:
   i. Wetland serves as habitat for species listed as ‘‘threatened’’ or ‘‘endangered.’’
   ii. Wetland is hydrologically connected to or located within ½ mile from habitat for species listed above that are wetland dependent.
   iii. Wetland is located within the floodplain of a wild trout stream, or its tributaries, or an exceptional value stream.
   iv. Wetland is located along an existing private or public water supply.
4. The code that identifies the flood event for which the structure will pass or was evaluated for during the review.
5. The amount of low, measured in CFS, occuring in USGS Datum. Of the flood event if available.
6. The elevation, measured in USGS Datum, of the flood event if available.
7. The drainage area, measured in acreas, upstream of the reviewed structure.
8. A checkbox indicating whether an existing structure is being replaced with a new one of the same or similar size.
9. The width of the surface space occupied by the structure.
10. The length of the surface space occupied by the structure.
11. The code used to identify the hydrologic method used during the review.
12. The code used to identify the hydraulic method used during the review.
13. The total length of area that is impacted by the structure.
14. The code used to identify the general type of structure.
15. The code used to identify the appurtenant structure(s) with the reviewed structure.
16. The code used to identify the mitigation measure voluntary employed or required as part of the structure itself.
17. The number of waterway openings sharing the same dimensions.
18. The width of the waterway opening, measured in feet.
19. The height of the waterway opening, measured in feet.
20. The diameter of the pipe, measured in feet.
21. The code used to identify the structure's general material makeup.

TABLE S3-1-7 HENSEL REPLACEMENT - TEMPORARY ACCESS ROAD - TEMPORARY WETLAND IMPACT SUMMARY TABLE

								SUBFACILITY CODE: TMPWI				
Milepost	Crossing Name [1]	Wetland ID[2]	§ 105.17 Classification[3]	Latitude	Longitude	County	Municipality	Deminimus Impact[4]	Impact Area (ac)[5]	Classification Type Code[6]	Regulatory Classification Code[7]	Total Impact[8]
AR-189.5	HR-AR-1	W4-T7a-HR	Other	41.405131	-77.770637	Clinton	Chapman	-	0.003	PEM	OW	0.003
AR-189.5	HR-AR-1	W3-T7a-HR	Other	41.405074	-77.770752	Clinton	Chapman	-	0.002	PEM	OW	0.002
AR-189.5	HR-AR-2	W6-T7a-HR	Other	41.432774	-77.768006	Clinton	Chapman	-	0.02	PFO	OW	0.020
AR-189.5	HR-AR-2	W5-T7a-HR	Other	41.432764	-77.768133	Clinton	Chapman	-	0.05	PFO	OW	0.050
AR-189.5	HR-AR-2	W5-T7a-HR	Other	41.432542	-77.768256	Clinton	Chapman	-	0.01	PFO	OW	0.010
AR-193.2/AR-193.2 EXT	HR-AR-4	W4-T5-HR	EV	41.415458	-77.836138	Clinton	Leidy	-	0.02	PEM	OW	0.02

1. Unique identifier for Single and Complete Crossings.
2. Unique name for impacted resource.
3. Exceptional Value Wetland Classifications as defined in §105.17 of the PA Code:
   i. Wetland serves as habitat for species listed as ‘‘threatened’’ or ‘‘endangered.’’
   ii. Wetland is hydrologically connected to or located within ½ mile from habitat for species listed above that are wetland dependent.
   iii. Wetland is located within the floodplain of a wild trout stream, or its tributaries, or an exceptional value stream.
   iv. Wetland is located along an existing private or public water supply.
4. Indicates whether theimpact qualifies under the Deminimus policy, which applies to the impact sizes equal to or less than 0.05 acres.
5. Area of resource impacted with permanent fill.
6. Cowardin Codes: PEM = Palustrine Emergent; PSS = Palustrine Scrub-Shrub Wetland; PFO = Palustrine Forested.
7. Code used to identify the regulatory classification of the impacted area. OW- Other Waters.
8. Total acres for all impact area records.

TABLE S3-1-8 HILLTOP LOOP - WETLANDS SUBFACILITY DETAILS TABLE

									SUBFACILITY CODE: PIPE									IMPACT GROUP SUBFACILITIES	
Milepost	Crossing Name [1]	Wetland ID [2]	Cowardin Code [3]	§ 105.17 classification [4]	Latitude	Longitude	County	Municipality	Type [5]	Product Code [6]	Pipeline Diameter	Depth of Cover [7]	Line Encased [8]	Shut Off Controls [9]	Attached to Water Obstruction [10]	ROW Width [11] (linear ft.)	Pipe Length [12] (linear ft.)	Temporary Wetland Impact (TMPWI) [13] (acres)	Wetland Direct Impact (WTDIM) [14] (acres)
183.6	HL-1	W3-T7a-HL	PEM	Other	41.365787	-77.675327	Clinton	Chapman	TRNC	PETRO	36"	3' Min.	No	Yes	No	178	255	0.61	0
184.4	HL-2	W1-T5-HL	PEM	Other	41.367649	-77.690820	Clinton	Chapman	TRNC	PETRO	36"	3' Min.	No	Yes	No	36	55	0.07	0
184.4	HL-2	W1-T5-HL	PFO	Other	41.367546	-77.690937	Clinton	Chapman	TRNC	PETRO	36"	3' Min.	No	Yes	No	12	N/A	0.05	0
184.9	HL-3	W1-T4-HL	PFO	EV	41.369513	-77.699805	Clinton	Chapman	TRNC	PETRO	36"	3' Min.	No	Yes	No	15	10	0.03	0
184.9	HL-3	W1-T4-HL	PEM	EV	41.369687	-77.699703	Clinton	Chapman	TRNC	PETRO	36"	3' Min.	No	Yes	No	152	25	0.07	0
185.0	HL-3	W2-T4-HL	PEM	EV	41.369871	-77.701401	Clinton	Chapman	TRNC	PETRO	36"	3' Min.	No	Yes	No	44	2	0.05	0
185.0	HL-3	W3-T2-HL [15]	PEM	EV	41.370009	-77.701600	Clinton	Chapman	TRNC	PETRO	36"	3' Min.	No	Yes	No	147	8	0.03	0
185.1	HL-3	W5-T2-HL	PFO	EV	41.369915	-77.701971	Clinton	Chapman	TRNC	PETRO	36"	3' Min.	No	Yes	No	29	N/A	0.02	0
185.9	HL-4	W11-T5-HL	PEM	Other	41.376393	-77.714242	Clinton	Chapman	TRNC	PETRO	36"	3' Min.	No	Yes	No	18	N/A	0.01	0

1. Unique identifier for Single and Complete Crossings.
2. Unique name for impacted resource.
3. Cowardin Codes: PEM = Palustrine Emergent; PSS = Palustrine Scrub-Shrub Wetland; PFO = Palustrine Forested.
4. Exceptional Value Wetland Classifications as defined in §105.17 of the PA Code:
   i. Wetland serves as habitat for species listed as ''threatened'' or ''endangered.''
   ii. Wetland is hydrologically connected to or located within ½ mile from habitat for species listed above that are wetland dependent.
   iii. Wetland is located within the floodplain of a wild trout stream, or its tributaries, or an exceptional value stream.
   iv. Wetland is located along an existing private or public water supply.
5. Description of the method of pipe crossing employed. TRNC - Open Trenched
6. Description of the product delivered in the pipeline. PETRO - Petroluem, Natural Gas, Oil, etc.
7. If shallow bedrock is present during the construction phase, the pipeline may be installed with a minimum of 1 foot of cover.
8. Notes if concrete encasement is used on the pipeline at the crossing.
9. Notes if shut off controls are employed or required.
10. Notes if the pipe is attached to another water obstruction.
11. Indicates the width of the right-of-way (ROW) at the resource crossing. For those features that are only partially within the ROW, a width across the ROW is noted.
12. Pipe length measured as the length of the wetland crossing. N/A indicates the resource is in the Project workspace, but not crossed by the pipe.
13. Area of wetland impact within the Project workspace, where only temporary fill or excavation is occuring.
14. Area of wetland impact within the Project workspace, where only permanent fill, draining or conversion of a resource to another type is occuring.
15. Cathodic Protection will be installed adjacent to the pipeline at this location.

TABLE S3-1-9 - HILLTOP LOOP - WATERWAYS SUBFACILITY DETAILS TABLE

											SUBFACILITY CODE: PIPE								
Milepost	Crossing Name [1]	Watercourse ID[2]	Stream Type[3]	Chapter 93 Classification[4]		PFBC Classification[7]	Latitude	Longitude	County	Municipality	Type[8]	Product Code[9]	Pipeline Diameter	Depth of Cover [10]	Line Encased[11]	Shut Off Controls[12]	Attached to Water Obstruction[13]	ROW Width[14]	Pipe Length[15]
				Designated Use[5]	Existing Use[6]													(linear ft.)	(linear ft.)
185.0	HL-3	S1-T4-HL	Perennial	HQ-CWF, MF	-	Stocked Trout & Wild Trout Waters	41.369701	-77.70053	Clinton	Chapman	TRNC	PETRO	36''	4' Min.	Yes	Yes	Yes	95	100'

Notes:

1. Unique identifier for Single and Complete Crossings.
2. Unique name for impacted resource.
3. The flow regime of the stream; I = Intermittent, E = Ephemeral, P = Perennial.
4. Chapter 93 classification as outlined in Title 25 of the PA Code: CWF = Coldwater Fishes, WWF = Warm Water Fishes, MF = Migratory Fishes, HQ = High Quality, EV = Exception Value, TSF = Trout Stocked Fishery.
5. Those uses specified in PACODE Chapter 93.4(a) and 93.9a-93.9z for each water body or segment whther or not they are being attained.
6. Thoses uses actually attained in the water body on or after 11/28/75, whether or not they are included in the water quality standards.
7. PA Fish and Boat Commission stream designation, as it relates to trout or other species where seasonal restrictions are implemented.
8. Description of the method of pipe crossing employed. TRNC - Open Trenched
9. Description of the product delivered in the pipeline. PETRO - Petroluem, Natural Gas, Oil, etc.
10. If shallow bedrock is present during the construction phase, the pipeline may be installed with a minimum of 1 foot of cover.
11. Notes if concrete encasement is used on the pipeline at the crossing.
12. Notes if shut off controls are employed or required.
13. Notes if the pipe is attached to another water obstruction.
14. Indicates the width of the right-of-way (ROW) at the resource crossing. For those features that are only partially within the ROW, a width across the ROW is noted.
15. Pipe length measured as the length of the stream crossing. N/A indicates the resource is in the Project workspace, but not crossed by the pipe.
16. Cathodic Protection will be installed adjacent to the pipeline at this location.

TABLE S3-1-10 - BENTON LOOP - WETLANDS SUBFACILITY DETAILS TABLE

									SUBFACILITY CODE: PIPE									IMPACT GROUP SUBFACILITIES	
Milepost	Crossing Name [1]	Wetland ID [2]	Cowardin Code [3]	§ 105.17 Classification [4]	Latitude	Longitude	County	Municipality	Type [5]	Product Code [6]	Pipeline Diameter	Depth of Cover [7]	Line Encased [8]	Shut Off Controls [9]	Attached to Water Obstruction [10]	ROW Width [11] (linear ft.)	Pipe Length [12] (linear ft.)	Temporary Wetland Impact (TMPWI) [13] (acres)	Wetland Direct Impact (WTDIM) [14] (acres)
117.3	BL-1	W14-T6	PEM	Other	41.266824	-76.469720	Lycoming	Jordan	TRNC	PETRO	42"	3' Min.	No	Yes	No	14	NA	0.02	0.00
117.3	BL-1	W13-T6	PEM	Other	41.266754	-76.470255	Lycoming	Jordan	TRNC	PETRO	42"	3' Min.	No	Yes	No	20	NA	0.06	0.00
117.5	BL-2	W2-T6	PEM	Other	41.266381	-76.473547	Lycoming	Jordan	TRNC	PETRO	42"	3' Min.	No	Yes	No	41	11	0.02	0.00
117.5	BL-2	W1-T6	PEM	Other	41.266555	-76.473793	Lycoming	Jordan	TRNC	PETRO	42"	3' Min.	No	Yes	No	18	NA	0.003	0.00
117.8	BL-3	W6-T6	PEM	Other	41.265237	-76.480605	Lycoming	Jordan	TRNC	PETRO	42"	3' Min.	No	Yes	No	50	57	0.06	0.00
117.8	BL-3	W4-T6	PEM	EV	41.265342	-76.479828	Lycoming	Jordan	TRNC	PETRO	42"	3' Min.	Yes	Yes	No	75	212	0.36	0.00
118.1	BL-5	W8-T6	PEM	Other	41.264731	-76.485299	Lycoming	Jordan	TRNC	PETRO	42"	3' Min.	No	Yes	No	36	132	0.09	0.00
118.1	BL-5	W9-T6	PEM	Other	41.264652	-76.485173	Lycoming	Jordan	TRNC	PETRO	42"	3' Min.	No	Yes	No	10	NA	0.01	0.00
118.7	BL-7	W16-T6	PFO	EV	41.263187	-76.497724	Lycoming	Jordan	TRNC	PETRO	42"	3' Min.	No	Yes	No	25	NA	0.07	0.00
118.7	BL-7	W16-T6	PEM	EV	41.263295	-76.497648	Lycoming	Jordan	TRNC	PETRO	42"	3' Min.	Yes	Yes	No	61	330	0.43	0.00
118.8	BL-7	W2-T5	PEM	EV	41.263204	-76.498980	Lycoming	Jordan	TRNC	PETRO	42"	3' Min.	No	Yes	No	60	20	0.05	0.00
118.8	BL-7	W4-T5	PFO	EV	41.262993	-76.499516	Lycoming	Jordan	TRNC	PETRO	42"	3' Min.	No	Yes	No	10	NA	0.01	0.00
118.8	BL-7	W4-T5	PEM	EV	41.263043	-76.499462	Lycoming	Jordan	TRNC	PETRO	42"	3' Min.	No	Yes	No	38	NA	0.01	0.00
119.1	BL-8	W2-T4	PFO	EV	41.262522	-76.504689	Lycoming	Jordan	TRNC	PETRO	42"	3' Min.	Yes	Yes	No	48	6	0.06	0.00
119.1	BL-8	W2-T4	PEM	EV	41.262553	-76.505098	Lycoming	Jordan	TRNC	PETRO	42"	3' Min.	Yes	Yes	No	75	404	0.67	0.00
119.6	BL-9	W1-T2	PEM	EV	41.261823	-76.513090	Lycoming	Jordan	TRNC	PETRO	42"	3' Min.	Yes	Yes	No	75	413	0.58	0.00
119.6	BL-9	W1-T2	PFO	EV	41.261673	-76.513645	Lycoming	Jordan	TRNC	PETRO	42"	3' Min.	No	Yes	No	22	NA	0.02	0.00
120.2	BL-10	W3-T1	PSS	EV	41.260971	-76.525638	Lycoming	Jordan	DB	PETRO	42"	3' Min.	No	Yes	No	34	NA	0.05	0.00
120.2	BL-10	W3-T1	PEM	EV	41.261055	-76.525538	Lycoming	Jordan	DB	PETRO	42"	3' Min.	No	Yes	No	50	69	0.08	0.00

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2. Unique name for impacted resource.
3. Cowardin Codes: PEM = Palustrine Emergent; PSS = Palustrine Scrub-Shrub Wetland; PFO = Palustrine Forested.
4. Exceptional Value Wetland Classifications as defined in §105.17 of the PA Code:
   i. Wetland serves as habitat for species listed as ''threatened'' or ''endangered.''
   ii. Wetland is hydrologically connected to or located within ½ mile from habitat for species listed above that are wetland dependent.
   iii. Wetland is located within the floodplain of a wild trout stream, or its tributaries, or an exceptional value stream.
   iv. Wetland is located along an existing private or public water supply.
5. Description of the method of pipe crossing employed. TRNC - Open Trenched, DB - Directional Bore/Drill
6. Description of the product delivered in the pipeline. PETRO - Petroluem, Natural Gas, Oil, etc.
7. If shallow bedrock is present during the construction phase, the pipeline may be installed with a minimum of 1 foot of cover.
8. Notes if concrete encasement is used on the pipeline at the crossing.
9. Notes if shut off controls are employed or required.
10. Notes if the pipe is attached to another water obstruction.
11. Indicates the width of the right-of-way (ROW) at the resource crossing. For those features that are only partially within the ROW, a width across the ROW is noted.
12. Pipe length measured as the length of the wetland crossing. N/A indicates the resource is in the Project workspace, but not crossed by the pipe.
13. Area of wetland impact within the Project workspace, where only temporary fill or excavation is occuring.
14. Area of wetland impact within the Project workspace, where only permanent fill, draining or conversion of a resource to another type is occuring.

TABLE S3-1-11 - BENTON LOOP - WATERWAYS SUBFACILITY DETAILS TABLE

											SUBFACILITY CODE: PIPE								
Milepost	Crossing Name [1]	Watercourse ID[2]	Stream Type[3]	Chapter 93 Classification[4]		PFBC Classification[7]	Latitude	Longitude	County	Municipality	Type[8]	Product Code[9]	Pipeline Diameter	Depth of Cover [10]	Line Encased[11]	Shut Off Controls[12]	Attached to Water Obstruction[13]	ROW Width[14]	Pipe Length[15]
				Designated Use[5]	Existing Use[6]													(linear ft.)	(linear ft.)
117.8	BL-3	S2-T6	Ephemeral	CWF, MF	EV, MF	Wild Trout Waters	41.265327	-76.479951	Lycoming	Jordan	TRNC	PETRO	42"	4' Min.	Yes	Yes	No	73	11.6
118.1	BL-4	S5-T6	Ephemeral	CWF, MF	EV, MF	Wild Trout Waters	41.264759	-76.484618	Lycoming	Jordan	TRNC	PETRO	42"	4' Min.	No	Yes	No	109	3.3
118.2	BL-6	S6-T6	Perennial	CWF, MF	EV, MF	Wild Trout Waters	41.264527	-76.486559	Lycoming	Jordan	TRNC	PETRO	42"	4' Min.	No	Yes	No	50	7.7
118.8	BL-7	S2-T5	Perennial	CWF, MF	EV, MF	Wild Trout Waters	41.263203	-76.498266	Lycoming	Jordan	TRNC	PETRO	42"	4' Min.	Yes	Yes	No	65	17.8
118.8	BL-7	S3-T5	Intermittent	CWF, MF	EV, MF	Wild Trout Waters	41.263110	-76.499186	Lycoming	Jordan	TRNC	PETRO	42"	4' Min.	No	Yes	No	51	2
119.2	BL-8	S3-T3	Perennial	CWF, MF	EV, MF	Wild Trout Waters	41.262478	-76.505620	Lycoming	Jordan	TRNC	PETRO	42"	4' Min.	Yes	Yes	No	51	11.8
119.6	BL-9	S2-T2	Perennial	CWF, MF	EV, MF	Wild Trout Waters	41.261722	-76.514047	Lycoming	Jordan	DB	PETRO	42"	4' Min.	Yes	Yes	No	51	7.7
120.2	BL-10	S1-T1	Perennial	CWF, MF	EV, MF	Wild Trout Waters	41.261000	-76.525458	Lycoming	Jordan	DB	PETRO	42"	4' Min.	No	Yes	No	60	14.2

Notes:

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4. Chapter 93 classification as outlined in Title 25 of the PA Code: CWF = Coldwater Fishes, WWF = Warm Water Fishes, MF = Migratory Fishes, HQ = High Quality, EV = Exception Value, TSF = Trout Stocked Fishery.
5. Those uses specified in PACODE Chapter 93.4(a) and 93.9a-93.9z for each water body or segment whther or not they are being attained.
6. Thoses uses actually attained in the water body on or after 11/28/75, whether or not they are included in the water quality standards.
7. PA Fish and Boat Commission stream designation, as it relates to trout or other species where seasonal restrictions are implemented.
8. Description of the method of pipe crossing employed. TRNC - Open Trenched, DB - Directional Bore/Drill
9. Description of the product delivered in the pipeline. PETRO - Petroluem, Natural Gas, Oil, etc.
10. If shallow bedrock is present during the construction phase, the pipeline may be installed with a minimum of 1 foot of cover.
11. Notes if concrete encasement is used on the pipeline at the crossing.
12. Notes if shut off controls are employed or required.
13. Notes if the pipe is attached to another water obstruction.
14. Indicates the width of the right-of-way (ROW) at the resource crossing. For those features that are only partially within the ROW, a width across the ROW is noted.
15. Pipe length measured as the length of the stream crossing. N/A indicates the resource is in the Project workspace, but not crossed by the pipe.
16. Cathodic Protection will be installed adjacent to the pipeline at this location.

TABLE S3-1-12 - COMPRESSOR STATION 607 - WETLANDS SUBFACILITY DETAILS TABLE

								IMPACT GROUP SUBFACILITIES	
Crossing Name [1]	Wetland ID[2]	Cowardin Code[3]	§ 105.17 classification[4]	Latitude	Longitude	County	Municipality	Temporary Wetland Impact (TMPWI)[5] (acres)	Wetland Direct Impact (WTDIM)[6] (acres)
CS607-1	W2-T2-CS607A	PEM	EV	41.298120	-76.222066	Luzerne	Fairmount	0.00	0.19
CS607-2	W2-T2-CS607A	PEM	EV	41.298514	-76.225183	Luzerne	Fairmount	0.002	0
CS607-2	W2-T2-CS607A	PEM	EV	41.298436	-76.225189	Luzerne	Fairmount	0.003	0
CS607-3	W2-T1-607A	PEM	Other	41.298862	-76.224436	Luzerne	Fairmount	0.12	0
CS607-4	W2-T3-CS607A	PEM	Other	41.299313	-76.224958	Luzerne	Fairmount	0.00	0.0003
CS607-4	W2-T3-CS607A	PEM	Other	41.299316	-76.224922	Luzerne	Fairmount	0.01	0
CS607-5	W3-T3-CS607A	PEM	Other	41.300071	-76.221980	Luzerne	Fairmount	0.00	0.01

Notes.

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2. Unique name for impacted resource.
3. Cowardin Codes: PEM = Palustrine Emergent; PSS = Palustrine Scrub-Shrub Wetland; PFO = Palustrine Forested.
4. Exceptional Value Wetland Classifications as defined in §105.17 of the PA Code:
   i. Wetland serves as habitat for species listed as ‘‘threatened’’ or ‘‘endangered.’’
   ii. Wetland is hydrologically connected to or located within ½ mile from habitat for species listed above that are wetland dependent.
   iii. Wetland is located within the floodplain of a wild trout stream, or its tributaries, or an exceptional value stream.
   iv. Wetland is located along an existing private or public water supply.
5. Area of wetland impact within the Project workspace, where only temporary fill or excavation is occuring.
6. Area of wetland impact within the Project workspace, where only permanent fill, draining or conversion of a resource to another type is occuring.