| Wetland ID and Crossing Number ¹ | State Wetland Classification ² | Cowardin Classification ³ | Milepost ⁴ | Latitude | Longitude | Primary Pipeline Crossing | Secondary Pipeline Crossing | Tertiary Pipeline Crossing | Constraints | νγ Constraints | Workspace to Frenchless | cticality | : Justification) | ing Trenchless | to Minimize | g at Narrowest .ocation | ocating | cing LOD | g Construction ration | o Construction Windows | enting BMPs | Justification |
|--|--|---|-----------------------|-----------|------------|------------------------------|-----------------------------------|-------------------------------|-------------|----------------|-----------------------------|-----------|------------------|----------------|-------------|----------------------------|------------------|----------|--------------------------|-------------------------------|-------------|--|
| Number | Cidssification | Classification | | | | Method ⁵ | Method ⁵ | Method ⁵ | Geology | Topograph | Insufficient W Stage Tre | Prac | Other (See | Implement | Routing | Crossing a | 7 . 0 | Redu | Minimizing | Adhering to Cor Timing Win | Impleme | |
| 040517_GM_1001_PFO | Other | PFO1 | 52.4R3 | 40.804727 | -75.473003 | CL - Open Cut | - | Matted | | | | х | Х | | | Х | Х | х | Х | х | х | Time to cross justifies open-cut, Project is co-located with existing ROW. Workspace reduced to 75'. |
| 040517_GM_1001_PEM | Other | PEM1 | 52.4R3 | 40.804673 | -75.472930 | N/A - Workspace | - | Matted | | | | х | Х | | | Х | Х | х | Х | | x | Time to cross justifies open-cut, Project is co-located with existing ROW. Workspace reduced to 75'. |
| 040617_GM_1001_PFO | Exceptional (iii) | PFO1 | 52.5R3 | 40.804172 | -75.473033 | CL - Open Cut | - | Matted | | | | х | х | | | х | х | х | х | х | х | Time to cross justifies open-cut, Project is co-located with existing ROW. Workspace reduced to 75'. |
| 040617_GM_1001_PEM | Exceptional (iii) | PEM1 | 52.5R3 | 40.804035 | -75.472952 | N/A - Workspace | - | Matted | | | | х | х | | | х | х | х | х | | Х | Time to cross justifies open-cut, Project is co-located with existing ROW. Workspace reduced to 75'. |
| 052918_WA_004_PFO | Exceptional (ii, iii) | PFO1 | 52.5R3 | 40.803757 | -75.473036 | CL - Open Cut | - | Matted | | | | х | х | | | х | х | х | х | х | X | Time to cross justifies open-cut, Project is co-located with existing ROW. Workspace reduced to 75'. |
| 052918_WA_005_PEM | Exceptional (ii, iii) | PEM1 | 52.5R3 | 40.802981 | -75.473041 | CL - Open Cut | - | Matted | | | | Х | х | | | х | х | х | х | | Х | Time to cross justifies open-cut, Project is co-located with existing ROW. Workspace reduced to 75'. |
| 052918_WA_003_PFO | Exceptional (ii, iii) | PFO1 | 52.5R3 | 40.802869 | -75.473042 | CL - Open Cut | - | Matted | | | | х | х | | | | х | х | х | х | Х | Time to cross justifies open-cut, Project is co-located with existing ROW. Workspace reduced to 75'. |
| 052918_WA_007_PUB | Exceptional (ii, iii) | PEM2 | 52.6R3 | 40.802353 | -75.473375 | N/A - Workspace | - | Matted | | | | х | X | | | | X | X | х | | Х | Feature is not crossed by the centerline, project is colocated with existing ROW. Workspace reduced to 75'. |
| 052918_WA_008_PUB | Exceptional (ii, iii) | PEM2 | 52.6R3 | 40.802223 | -75.473325 | CL - Bore | CL - Open Cut | Matted | | | | х | х | Х | | Х | Х | х | Х | | х | Minimizing impact to pond feature, co-located with an exiting ROW. |
| 080917_WA_003_PEM | Exceptional (ii, iii) | PEM1 | 52.7R3 | 40.800823 | -75.473953 | CL - Open Cut | - | Matted | | | | | х | | | Х | х | х | х | x | Х | Time to cross justifies open-cut, Project is co-located with existing ROW. Workspace reduced to 70° |
| 080917_WA_002_PEM - 1 | Exceptional (i, iii) | PEM1 | 52.7R3 | 40.800562 | -75.474071 | CL - Open Cut | - | Matted | | | | х | х | | | х | Х | Х | х | х | х | Time to cross justifies open-cut, Project is co-located with existing ROW. Workspace reduced to 75'. |
| 080917_WA_002_PEM - 2 | Exceptional (i, iii) | PEM1 | 52.7R3 | 40.800190 | -75.474300 | CL - Open Cut | - | Matted | | | | х | Х | | | х | х | x | х | x | x | Time to cross justifies open-cut, Project is co-located with existing ROW. Tree cutting to take place in 50 foot wide workspace. Earth disturbance activities reduced to 30' in wetland. |
| 080917_WA_002_PEM - 3 | Exceptional (i, iii) | PEM1 | 52.8R3 | 40.799863 | -75.474397 | N/A - Workspace | | N/A | | | | х | x | | | | Х | X | х | х | х | Feature is not crossed by the centerline. Project is co- located with existing ROW. Tree cutting to take place in 50 foot wide workspace. Earth disturbance activities reduced to 30' in wetland. |
| 080917_WA_002_PSS | Exceptional (i, iii) | PSS1 | 52.8R3 | 40.799653 | -75.474566 | CL - Open Cut | = | Matted | | | | х | х | | | Х | х | х | x | х | x | Time to cross justifies open-cut, Project is co-located with existing ROW. Workspace reduced to 50'. |
| 110217_WA_001_PSS | Exceptional (i, iii) | PSS1 | 52.8R3 | 40.799562 | -75.474498 | N/A - Workspace | - | N/A | | | | Х | Х | | | | X | X | x | х | х | Feature is not crossed by the centerline. Project is colocated with existing ROW. Tree cutting to take place in 50 foot wide workspace. Earth disturbance activities reduced to 30' in wetland. |
| 110217_WA_005_PFO - 1 | Exceptional (i, iii) | PFO1 | 52.9R3 | 40.798544 | -75.474989 | CL - Open Cut | - | Matted | | | | х | х | | | Х | x | x | Х | х | х | Time to cross justifies open-cut, wetland is part of an intermittent stream. Project is co-located with existing ROW. Alignment crossing the wetland at top/narrowest location, workspace reduced to 75'. |
| 110217_WA_005_PFO - 2 | Exceptional (i, iii) | PFO1 | 52.9R3 | 40.798072 | -75.475260 | CL - Open Cut | - | Matted | | | | х | х | | | х | x | х | х | Х | Х | Time to cross justifies open-cut, wetland is part of an intermittent stream. Project is co-located with existing ROW. Alignment crossing the wetland at top/narrowest location, workspace reduced to 50'. |
| 110217_WA_005_PFO - 3 | Exceptional (i, iii) | PFO1 | 52.9R3 | 40.797778 | -75.475401 | N/A - Workspace | - | Matted | | | | х | Х | | | х | x | x | х | х | х | Time to cross justifies open-cut, wetland is part of an intermittent stream. Project is co-located with existing ROW. Alignment crossing the wetland at top/narrowest location, workspace reduced to 50'. |

| Northampton County | | | | | | | | | | | | | | _ | | | | | _ | | | |
|--|--|---|-----------------------|------------------------|--------------------------|---|--|--|---------------------|------------------------|---|--------------|---------------------------|---------------------------------------|---------------------|-----------------------------------|-------------|--------------|-------------------------------------|--|-------------------|--|
| Wetland ID and Crossing Number ¹ | State Wetland Classification ² | Cowardin Classification ³ | Milepost ⁴ | Latitude | Longitude | Primary Pipeline Crossing Method ⁵ | Secondary Pipeline Crossing Method ⁵ | Tertiary Pipeline Crossing Method ⁵ | Geology Constraints | Topography Constraints | Insufficient Workspace to Stage Trenchless | Practicality | Other (See Justification) | Implementing Trenchless Technology | Routing to Minimize | Crossing at Narrowest Location | Co-Locating | Reducing LOD | Minimizing Construction Duration | Adhering to Construction Timing Windows | Implementing BMPs | Justification |
| 110217_WA_006_PEM | Exceptional (ii, iii) | PEM1 | 52.9R3 | 40.797669 | -75.475216 | N/A - Workspace | - | Matted | | | | х | Х | | | X | х | Х | х | X | х | Featured is not crossed by the centerline, project is colocated with existing ROW. Alignment crossing the wetland at top/narrowest location, workspace reduced to 50'. |
| 110217_WA_007_PEM | Exceptional (ii, iii) | PEM1 | 52.9R3 | 40.797565 | -75.47511 | N/A - Workspace | - | N/A | | | | х | X | | | X | X | x | Х | х | Х | Featured is not crossed by the centerline, project is colocated with existing ROW. Alignment crossing the wetland at top/narrowest location, workspace reduced to 50'. |
| 110217_WA_008_PEM | Other | PEM1 | 53.1R3 | 40.795645 | -75.476254 | CL - Bore | CL - Open Cut | Matted | | | | х | x | X | | x | x | х | x | X | х | Featured is not crossed by the centerline, project is colocated with existing ROW. Alignment crossing the wetland at top/narrowest location, workspace reduced to 50'. |
| 080917_WA_001_PEM - 1 | Exceptional (iii) | PEM1 | 53.2R3 | 40.793819 | -75.476184 | CL - Open Cut | - | Matted | | | | x | Х | | | x | | х | х | | Х | Time to cross justifies open-cut, workspace reduced to 75'. |
| 080917_WA_001_PEM - 2 | Exceptional (iii) | PEM1 | 53.3R3 | 40.792700 | -75.475975 | CL - Open Cut | - | Matted | | | | Х | Х | | | Х | | х | Х | | Х | Time to cross justifies open-cut, workspace reduced to |
| 050217_MB_1002_PEM | Exceptional (iii) | PEM1 | 53.3R3 | 40.792094 | -75.476108 | CL - Open Cut | - | Matted | | | | Х | Х | | | Х | | Х | Х | | Х | 75'. Time to cross justifies open-cut, workspace reduced to |
| 050217_MB_1004_PFO | Exceptional (iii) | PFO1 | 53.4R3 | 40.791397 | -75.476161 | N/A - Workspace | - | Matted | | | | Х | Х | | | X | | Х | Х | X | Х | 75'. Time to cross justifies open-cut, additional workspace |
| 050217_MB_1001_PEM | Exceptional (iii) | PEM1 | 53.4R3 | 40.790966 | -75.475846 | CL - Open Cut | - | Matted | | | | Х | х | | | X | | Х | Х | | х | required for fittings. Time to cross justifies open-cut, workspace reduced to |
| 081815_MK_042_PEM - 1 | Exceptional (iii) | PEM1 | 55.9 | 40.780070 | -75.457070 | CL - Bore | CL - Open Cut | Matted | | | | х | X | х | | | | х | | | Х | 75'. Workspace needed for SR-946 road bore, workspace reduced to 75 feet. Matted across impact AR-054. |
| 081815_MK_042_PEM - 2 | Exceptional (iii) | PEM1 | 56 | 40.779935 | -75.457027 | - | - | Matted | | | | х | Х | | | | | | | | х | Workspace needed for SR-946 road bore, workspace reduced to 75 feet. Matted across impact AR-054. |
| 062218_WA_001_PFO | Exceptional (iii) | PFO1 | 56 | 40.779828 | -75.456993 | CL - Open Cut | - | Matted | | | | Х | Χ | | | | | | Х | Х | Χ | Workspace needed for SR-946 road bore. |
| 062218_WA_001_PEM - 1 | Exceptional (iii) | PEM1 | 56 | 40.779732 | -75.456763 | N/A - Workspace | - | Matted | | | | Х | Х | | | | | | Х | | Х | Workspace needed for road bore. |
| 062218_WA_001_PEM - 2 | Exceptional (iii) | PEM1 | 56 | 40.779378 | -75.456448 | N/A - Workspace | - | Matted | | | | Х | Х | | | | | | Х | | Х | Workspace needed for road bore. |
| 052218_WA_002_PEM | Exceptional (iii) | PEM1 | 56.6 | 40.772600 | -75.448817 | N/A - Workspace | - | Matted | | | | Х | Х | | | Х | | Х | Х | | Х | Workspace needed for road bore. |
| 101717_AB_1001_PEM | Exceptional (iii) | PEM1 | 56.6 | 40.772464 | -75.448984 | N/A - Workspace | - | Matted | | | | Х | Х | | | Х | | Х | Х | | Х | Minor impact to permanent easement adjacent to road bore. No clearing will occur on wetland. |
| 050417_GM_1003_PEM 050417_GM_1002_PEM | Exceptional (iii) Exceptional (iii) | PEM1 PEM1 | 56.7 56.7 | 40.772166 40.771851 | -75.448663 -75.448423 | CL - Open Cut CL - Open Cut | - | Matted Matted | | | | X X | X X | | | X | | X X | X X | | X X | Time to cross justifies open-cut. Time to cross justifies open-cut. |
| 052218_WA_003_PEM | Exceptional (iii) | PEM1 | 58.5 | 40.755192 | -75.423015 | CL - Open Cut | - | Matted | | х | | | | | | | | х | х | | х | Steep slopes north and south of crossing (+15%) present challenges. Pit dewatering may be impact feature. Workspace reduced to 75'. |
| 090414_DB_008_PEM | Exceptional (iii) | PEM1 | 59.2 | 40.747440 | -75.413599 | CL - Open Cut | - | Matted | | х | | | х | | | | | х | х | | х | Time to cross justifies open-cut. Limited workspace due to a residence makes a bore unfeasible. |
| 090314_DB_004_PEM | Exceptional (iii) | PEM1 | 60.6 | 40.735842 | -75.392664 | CL - Open Cut | - | Matted | | | | х | х | | | | | х | х | | х | Alignment crossing the wetland at top/narrowest location. Time to cross justifies open-cut. |
| 041119_DHB_001_PEM | Exceptional (iii) | PEM1 | 62.8R3 | 40.725897 | -75.356757 | CL - Open Cut | - | Matted | | | | Х | Х | | | | | | Х | | Х | Workspace needed for railroad bore. |
| 042815_JC_1003_PEM | Other | PEM1 | 64.3R2 | 40.716599 | -75.334140 | N/A - Workspace | - | Matted | | | | х | х | | | | | х | х | | х | Workspace needed for crossing of Rte. 946. |
| 092614_GO_002_PFO - 1 | Exceptional (iii) | PFO1 | 72.1 | 40.628363 | -75.272114 | CL - Open Cut | - | Matted | | | | х | х | | | х | | х | х | х | Х | Alignment crossing the wetland at top/narrowest location. Time to cross justifies open-cut. |
| 092614_GO_002_PFO - 2 | Exceptional (iii) | PFO1 | 72.2 | 40.627954 | -75.271200 | CL - Open Cut | - | Matted | | | | х | х | | | х | | х | х | х | х | Alignment crossing the wetland at top/narrowest location. Time to cross justifies open-cut. |
| 040318_WA_0001_PSS | Exceptional (iii) | PSS1 | 72.4 | 40.626049 | -75.268331 | CL - Open Cut | - | Matted | | | | х | х | | | | | х | х | | х | Time to cross justifies open-cut, workspace reduced to 75'. |
| 040318_WA_0001_PEM | Exceptional (iii) | PEM1 | 72.4 | 40.625953 | -75.268157 | CL - Open Cut | - | Matted | | | | Х | х | | | | | х | х | | Х | Time to cross justifies open-cut, workspace reduced to 75'. |

| Wetland ID and Crossing Number ¹ | State Wetland Classification ² | Cowardin Classification ³ | Milepost ⁴ | Latitude | Longitude | Primary Pipeline Crossing Method ⁵ | Secondary Pipeline Crossing Method ⁵ | Tertiary Pipeline Crossing Method ⁵ | STIR 15:100 (90:00) | Topography Constraints | Insufficient Workspace to Stage Trenchless | Practicality | Other (See Justification) | Implementing Trenchless Technology | Routing to Minimize | Crossing at Narrowest Location | Co-Locating | Reducing LOD | Minimizing Construction Duration | Adhering to Construction Timing Windows | Implementing BMPs | Justification |
|--|--|---|-----------------------|-----------|------------|---|--|--|---------------------|------------------------|---|--------------|---------------------------|---------------------------------------|---------------------|-----------------------------------|-------------|--------------|-------------------------------------|--|-------------------|---|
| 051415_JC_1001_PEM | Exceptional (iii) | PEM1 | 72.6 | 40.624589 | -75.265354 | CL - Open Cut | - | Matted | | | | х | х | | | х | | х | x | | х | Limited workspace east of the wetland complex due to multiple residential units challenges the use of trenchless methods (HDD, Direct Pipe and Microtunnel). Alignment was shifted north to minimize impacts. |
| 012116_GM_1001_PFO | Exceptional (iii) | PFO1 | 72.6 | 40.623792 | -75.264075 | CL - Open Cut | - | Matted | | | | х | х | | | х | | | х | х | х | Time to cross justifies open-cut, workspace reduced to 75'. |
| 031918_WA_001_PSS | Exceptional (iii, iv) | PSS1 | 72.4 | 40.625520 | -75.267367 | CL - Open Cut | - | Matted | | | | х | х | | | | | х | х | | х | Time to cross justifies open-cut, workspace reduced to 75'. |
| 042815_JC_1001_PFO - 1 | Exceptional (iii) | PFO1 | 72.7 | 40.622618 | -75.262733 | N/A - Workspace | - | Matted | | | | х | Х | | | | | х | х | х | х | Bore is not feasible due to length of feature, pit dewatering may impact feature. Workspace reduced to 75'. |
| 042815_JC_1001_PFO - 2 | Exceptional (iii) | PFO1 | 72.8 | 40.622451 | -75.262386 | CL - Open Cut | - | Matted | | | | х | х | | | | | х | х | х | х | Bore is not feasible due to length of feature, pit dewatering may impact feature. Workspace reduced to 75'. |
| 031716_NJ_002_PSS - 1 | Exceptional (iii) | PSS1 | 73.1 | 40.619167 | -75.257074 | CL - Open Cut | - | Matted | | | | х | х | | | X | | х | х | | x | Alignment crossing the wetland at top/narrowest location. Time to cross justifies open-cut. |
| 031716_NJ_002_PSS - 2 | Exceptional (iii) | PSS1 | 73.2 | 40.619071 | -75.256842 | N/A - Workspace | - | Matted | | | | х | х | | | х | | х | Х | | х | Alignment crossing the wetland at top/narrowest location. Time to cross justifies open-cut. |
| 031716_NJ_002_PEM | Exceptional (iii) | PEM1 | 73.1 | 40.619270 | -75.258091 | CL - Open Cut | - | Matted | | | | Х | х | | | х | | х | х | | х | Time to cross justifies open-cut, workspace reduced to 75'. |
| 042117_GM_1001_PFO | Exceptional (iii) | PFO1 | 73.6R2 | 40.619980 | -75.249102 | CL - Open Cut | - | Matted | | | | Х | Х | | | X | | Х | Х | Х | х | Time to cross justifies open-cut, workspace reduced to 75'. |
| 042418_WA_008_PFO | Exceptional (iii) | PFO1 | 73.6R2 | 40.619978 | -75.247963 | CL - Open Cut | - | Matted | | | | х | х | | | | | х | х | Х | х | Time to cross justifies open-cut, workspace reduced to 75'. |
| 042418_WA_006_PFO | Exceptional (iii) | PFO1 | 73.7R2 | 40.619977 | -75.246403 | CL - Open Cut | - | Matted | | | | Х | Х | | | | | Х | Х | Х | Х | Time to cross justifies open-cut, workspace reduced to 75'. |
| 042518_WA_001_PSS | Other | PSS1 | 74.3 | 40.612324 | -75.237754 | CL - Open Cut | - | Matted | | | | Х | х | | | Х | | х | х | | х | Time to cross justifies open-cut, workspace reduced to 75'. |
| 072319_MU_1003_PEM | Other | PEM1 | 74.7 | 40.608359 | -75.232975 | CL - Open Cut | - | Matted | | | | X | x | | | х | | | x | | х | Alignment crossing the wetland at narrowest location. Time to cross justifies open-cut. Workspace required for adjacent stream crossing. |
| 062415_BT_1002_PEM | Exceptional (iii) | PEM1 | 74.9 | 40.606897 | -75.229069 | CL - Open Cut | - | Matted | | | | х | Х | | | х | | Х | Х | | х | Alignment crossing the wetland at bottom/narrowest location. Time to cross justifies open-cut. |
| 122016_LZ_1002_PEM | Other | PEM1 | 75.1 | 40.606204 | -75.226886 | CL - Open Cut | - | Matted | | | | Х | х | | | х | | х | х | | х | Time to cross justifies open-cut, workspace reduced to 75'. |
| 042418_WA_001_PSS - 1 | Other | PSS1 | 75.1 | 40.606006 | -75.226772 | CL - Open Cut | - | Matted | | | | Х | х | | | | | х | х | | х | Time to cross justifies open-cut, workspace reduced to 75'. |
| 042418_WA_001_PSS - 2 | Other | PSS1 | 75.1 | 40.605429 | -75.226542 | CL - Open Cut | - | Matted | | | | х | х | | | | | х | х | | х | Time to cross justifies open-cut, workspace reduced to 75'. |
| 042418_WA_001_PEM | Other | PEM1 | 75.1 | 40.605750 | -75.226739 | N/A - Workspace | - | Matted | | | | Х | х | | | х | | х | х | | х | Time to cross justifies open-cut, workspace reduced to 75'. |
| 042418_WA_002_PSS | Exceptional (iii) | PSS1 | 75.1 | 40.605258 | -75.226338 | CL - Open Cut | - | Matted | | | | Х | Х | | | х | | Х | х | | х | Alignment crossing the wetland at narrowest location, time to cross justifies open cut. Workspace reduced to 75'. |
| 042418_WA_002_PEM | Exceptional (iii) | PEM1 | 75.1 | 40.605222 | -75.226416 | N/A - Workspace | - | Matted | | | | Х | Х | | | Х | | х | Х | | х | Time to cross justifies open-cut, workspace reduced to 75'. |
| 042418_WA_003_PEM | Other | PEM1 | 75.2 | 40.604343 | -75.225807 | CL - Open Cut | - | Matted | | | | Х | х | | | | | х | х | | х | Time to cross justifies open-cut, workspace reduced to 75'. |
| 111314_JC_003_PFO | Exceptional (iii) | PFO1 | 75.7 | 40.601555 | -75.218791 | N/A - Workspace | - | Matted | | | | х | х | | | Х | | Х | Х | Х | Х | Alignment crossing the wetland at top/narrowest location. Time to cross justifies open-cut. |

Alternative Analysis Table **Wetland Resources**

Northampton County

| Wetland ID and Crossing State Wetland Cowardin Number ¹ Classification ² Classification ³ Milepost | Latitude Longitud | Primary Pipeline Secondary Tertiary Pipeline Pipeline Crossing Crossing Method ⁵ Method ⁵ Method ⁵ Oppose | ropography Constraints Stage Trenchless Practicality Practicality Trenchless Technology Routing to Minimize | Co-Locating Co-Locating Co-Locating Co-Locating Co-Locating Co-Locating Co-Locating Duration Duration Timing Windows Implementing BMPs |
|--|-------------------|--|---|--|
|--|-------------------|--|---|--|

Notes:

1. In instances where a wetland is crossed by the proposed pipeline or workspace multiple times, crossing numbers (e.g. "-1", "-2") have been added to the Wetland ID.

2. Resource Value Definitions: Pennsylvania Exceptional Value Wetland as defined by PA Code \$105.17 (relating to special criteria for projects affecting important wetlands). Criteria are: (ix) Serves as habitat for fauna or flora listed as "threatened" or "endangered" (x) Is hydrologically connected to or located within a 1/2-mile from habitat for fauna or flora listed as "threatened" or "endangered" and wetland dependent; (xi) Located in or along the floodplain of the reach or tributaries of a wild trout stream or waters listed as exceptional value;

(xii) Located along an existing public or private drinking water supply.

3. Wetland Cover Type based on Cowardin, 1979

Key: PEM1 = palustrine emergent, persistent; PEM2 = palustrine emergent, non-persistent; PFO1 = palustrine scrub-shrub, broad-leaved deciduous; PSO3 = palustrine scrub-shrub, broad-leaved evergreen.

4. All route deviations implemented after the FERC Certificate Application are denoted with an "R1" indicate route deviations implemented and provided to FERC prior to the issuance. All MPs with an "R1" indicate route deviations implemented and provided to FERC prior to the issuance. All MPs with an "R1" indicate route deviations implemented and provided to FERC prior to the issuance. All MPs with an "R1" indicate route deviations implemented and provided to FERC prior to the issuance. All MPs with an "R1" indicate route deviations implemented and provided to FERC prior to the issuance. All MPs with an "R1" indicate route deviations implemented and provided to FERC prior to the issuance. All MPs with an "R1" indicate route deviations implemented and provided to FERC prior to the issuance. All MPs with an "R1" indicate route deviations implemented and provided to FERC prior to the issuance. All MPs with an "R1" indicate route deviations implemented and provided to FERC prior to the issuance. All MPs with an "R1" indicate route deviations implemented and provided to FERC prior to the issuance. All MPs with an "R1" indicate route deviations implemented and provided to FERC prior to the issuance. All MPs with an "R1" indicate route deviations implemented and provided to FERC prior to the issuance and provided to FERC prior to FERC prior to the issuance and provided to FERC prior to the issuance and provided to FERC prior to FERC prior to the issuance and provided to Certificate Application.

5. Crossing Type Key for Wetlands:

CL-Bore - Pipeline centerline crosses under wetland. Construction method is bore.

CL-HDD = Pipeline centerline crosses under wetland. Construction method is HDD.

CL-Open Cut = Pipeline centerline impacts wetland. Construction method is open cut.

Matted = Wetland will be matted for temporary equipment crossing.

N/A = Not affected by pipeline construction.
N/A-Workspace = Pipeline trench does not impact wetland.
"-" = No alternative construction method is proposed.