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Tyler R. Brown
Senior Counsel

February 18, 2015

Ms. Kimberly D. Bose, Secretary
FEDERAL ENERGY REGULATORY COMMISSION
Room 1A, East
888 First Street, N.E.
Washington, D. C. 20426

**Re: Columbia Gas Transmission, LLC
East Side Expansion Project
NTP Request #4
Docket No. CP14-17-000**

Dear Ms. Bose:

On December 18, 2014, Columbia Gas Transmission, LLC ("Columbia") received a certificate of public convenience and necessity from the Federal Energy Regulatory Commission ("Commission" or "FERC") authorizing the construction of the East Side Expansion Project ("ESE Project" or "Project"). On December 30, 2014, Columbia filed its Implementation Plan pursuant to Condition No. 6 of the Certificate Order.

Attached please find a request for partial Notice to Proceed ("NTP") with all construction activities on the Line 1278 Loop and Eagle Compressor Station, as well as a proposed trailer parking spot at the Milford Compressor Station. All of these facilities/activities are in Pennsylvania. Columbia respectfully requests that FERC issue the NTP by February 25, 2015.

I have read and know the contents of the application and the contents are true to the best of my knowledge and belief.

Very truly yours,

A handwritten signature in cursive script, reading "Tyler R. Brown", enclosed in a rectangular box.

Tyler R. Brown
Senior Counsel

TRB/mdw

Attachments

cc: John Peconom, Ellen St. Onge (w/attachments)



COLUMBIA GAS TRANSMISSION, LLC
EAST SIDE EXPANSION PROJECT

***REQUEST FOR
NOTICE TO PROCEED #4***

***LINE 1278 LOOP PARTIAL
EAGLE COMPRESSOR STATION
MILFORD TRAILER SPACE***

***FERC Docket No.
CP14-17-000***

February 2015



EAST SIDE EXPANSION PROJECT
Notice to Proceed Request #4 – Line 1278 Loop Partial, Eagle Compressor Station, and
Milford Trailer Space

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Attachment 2 Beaver Creek Crossing Plan
Attachment 3 Milford Compressor Station Plan with Requested Trailer Parking Space
(Contains Critical Energy Infrastructure Information – Do Not Release)



1.0 INTRODUCTION

On December 18, 2014, Columbia Gas Transmission, LLC (“Columbia”) received a certificate of public convenience and necessity from the Federal Energy Regulatory Commission (“Commission” or “FERC”) authorizing the construction of the East Side Expansion Project (“ESE Project” or “Project”). The Project includes, among other things, (i) replacing existing compressors with new compressors at Milford and Easton Compressor Stations (“CS”), located in Pike and Northampton Counties, Pennsylvania, respectively, (ii) installing approximately 9.5 miles of new 26-inch pipeline looping Columbia’s existing Line 1278 between Eagle CS and Downingtown CS in Chester County, Pennsylvania, (iii) installing approximately 9.6 miles of 20-inch pipeline looping existing Columbia’s Line 10345 in Gloucester County, New Jersey, and (iv) installing various measurement, station piping, and appurtenant facilities at existing sites located in Orange County, New York, Bucks and Montgomery Counties, Pennsylvania, and Harford County, Maryland.

2.0 REQUEST FOR NOTICE TO PROCEED – LINE 1278 LOOP PARTIAL, EAGLE COMPRESSOR STATION, AND MILFORD TRAILER SPACE

At this time, Columbia formally requests a Notice to Proceed (“NTP”) for work associated with:

- Tree clearing on all Line 1278 Loop pipeline rights-of-way and additional temporary workspaces, including two revisions listed below. These revisions are included in the Project Revisions table at Attachment 1.
 - Reconfiguration of ATWS, as requested by landowner at MP 0.5. This variance was originally requested with the Implementation Plan.
 - Reconfiguration of TWS and ATWS, as requested by landowner at MP 3.1.
- Use of all approved access roads in Chester County, PA, including the revision of AR-PA-CH-001 requested with the Implementation Plan.
- Use of contractor yards 3 (preferred) and 4 (alternative). The use of alternative contractor yard number 4 is a project revision and is included in the project revisions table (Attachment 1). Columbia hereby requests Commission approval for the use of this additional yard.
- All certificated construction activities at the Eagle Compressor Station.
- Additional workspace for placement of a construction trailer at the Milford Compressor Station. This workspace is a project revision and is included in the project revisions table (Attachment 1). The additional workspace is on Columbia-owned property and no tree clearing will be required. Columbia hereby requests Commission approval for the use of this additional workspace. No additional permitting, apart from Commission approval, is required for this activity.



- Preparation of horizontal directional drill (“HDD”) pads, including necessary grading and fill activities.

Columbia proposes to implement its *NiSource Multi-Species Habitat Conservation Plan* (“HCP”) dated June 2013 with the U.S. Fish and Wildlife Service to address environmentally sensitive species at wetlands W214PA and W400PA.

Compliance with Certificate Conditions

The Implementation Plan filed on December 29, 2014 included demonstration of Columbia’s compliance with the Certificate conditions. Some of those conditions required additional work prior to requests for NTP for certain facilities or activities. This section addresses those outstanding conditions that apply to the facilities and activities requested herein.

Condition 14 – Beaver Creek Crossing Plan

Attachment 2 of this NTP request is Columbia’s crossing plan for the second crossing of Beaver Creek at MP 8.1. The crossing plan for the first crossing (MP 7.8) was filed with the Commission on September 26, 2014. Regarding the MP 8.1 crossing, Columbia has minimized workspace within the wetland to the extent practicable. Limitations to avoidance or minimization of workspace within the wetland include:

- Columbia considered a horizontal directional drill (“HDD”) of this stream/wetland complex. Geotechnical investigations concluded that the HDD would not likely succeed.
- Columbia also considered the direct pipe method of drilling under the complex; however, this method was estimated to be too costly with a risk of failure under the stream.
- The crossing of the complex is too long for a conventional bore to be feasible. Conventional bore was considered for the stream crossing alone; however, it would require bore pits in the wetland, which would be prone to flooding. This would also result in a longer crossing time, potentially increasing impacts.
- Columbia ultimately concluded that an open cut crossing of Beaver Creek would result in the least environmental impact of feasible techniques. This open cut is proposed to be conducted in the dry by using the dam-and-pump method. Because of the nearby oxbow, larger than normal workspaces within the wetland would be required to construct longer dams that extend across the stream in two locations where the stream widens and is likely to flow. Workspace is also needed to set pumps and place hoses to conduct the dam and pump operation.

Condition 19 – Signed Residential Construction Plans

Residential construction plans were filed with the Implementation Plan. There is only one residential construction plan on Line 1278 Loop that required a signature indicating



agreement with construction within 10 feet of a residence. Columbia has attempted to reach agreement with the owner of this tract (ALT1-PA-CH-035.00), but has not been able to obtain the landowner's approval.

Condition 23 – HDD Noise Mitigation Plan

Columbia confirms that the estimated HDD noise impacts provided in its noise report and reflected in FERC's EA table 2.8.2-2 are correct. At the present time, Columbia plans to conduct HDD activities only during the day, and will notify residents at the NSAs of its planned schedule. In the event that special circumstances require nighttime construction at the HDD sites, Columbia will:

- a) Notify FERC and NSA residents of the need to work overnight;
- b) Measure nighttime noise levels to determine whether they exceed background by more than 10 dB; and
- c) Offer temporary lodging to residents of NSAs if noise levels will be exceeded by more than 10 dB.

Condition 27 – Site-specific Construction Procedures for Downingtown Area School District Properties

The specific construction procedures agreed to with the Downingtown Area School District ("DASD") are listed below.

Applicable for both DASD tracts:

- 24-48 hour notice. Any worker or person on school property must have the four (4) required Background Checks.
- Construction Timeline: Once established, provide Right-of-Way with a construction schedule so that it can pass along to school.
- Security Fencing: Contractor must install and maintain security fencing that is consistent with applicable laws to cordon off any access to and from the school property and the work being performed.
- Financial Security: Contractor shall produce a performance bond in the amount of \$200,000 to cover the work being done on both DASD properties. Bond must be provided to Right of Way or DASD at least five (5) prior to the commencement of construction.
- Clearances: Before ANY worker enters DASD property they must complete and submit the following PA Clearances to DASD: 1) Act 24 Arrest/Conviction Report; 2) Act 34 Criminal Background Check; 3) FBI Fingerprint Check; and 4) Act 151 Child Abuse Check. Contact Tom Miller, Right of Way Agent (412-965-9779) to obtain these clearances at least 3 days prior to entering the property.



- Security Guard/Inspector: DASD has been authorized to assign a security guard and inspector to monitor the construction work. Columbia and Contractor reserve the right to deny access to these persons if it is determined that it is not safe to be on site.
- Environmental: Do not release any hazardous materials during construction in violation of any applicable law or regulation. Promptly clean up any accidental releases that may arise.
- Underground Utility Line Protection Act: Must comply with all applicable federal and state laws in relation to notification of utility companies and coordinate work with the affected utility company.
- Prohibited: Weapons, all tobacco products, smoking, alcohol, and controlled substances are strictly prohibited on DASD property. Possession of any of these items can result in immediate removal from the property.
- Equipment Storage and Staging: Upon completion of the pipeline installation on DASD property, remove all temporary construction equipment and materials from premises.
- Contractor Insurance: DASD must be provided with a copy of the insurance certificate that must be effect for while work is being performed on DASD property. Insurance must include liability insurance, automobile insurance, and worker's compensation coverages.

Specific to Tract PA-CH-037.000 (Shamona Creek Elementary/6th Grade Center)

- Sunoco Encroachment: 48hrs prior to installation of test station for crossing of existing Sunoco line on this tract contact Earl Edwards, Sunoco CP (484) 678-5206. SXL Corrosion technician will provide and connect wire leads (specific color) to SXL pipe.
- Restoration: Restore all areas including stormwater systems, and White Briar walkway at southern end of property. Restore meadow areas in accordance with Orsatti & Stuart Plan which can be obtained from Right of Way Agent.
- Road Boring: Pipe must be installed under Dorlan Mill Rd via bore method. Must also implement a traffic control plan to prevent interruption of pedestrian and/or vehicular traffic on or adjacent to the Shamona Creek and 6th Grade Center campuses.
- Erosion Prevention Plan/Storm Water Plan: Ensure proper erosion control measures are taken during construction and restoration. DASD has provided Right of Way with "Erosion and Sediment Control Plans" and "Storm Water Management Summary" as-builts to follow as long as they do not violate any state or federal regulations.



Specific to Tract PA-CH-092.400 (Middle School with Athletic Fields)

- **Restoration:** Restore all areas including stormwater systems beneath athletic fields. Restore meadow areas in accordance with Orsatti & Stuart Plan which can be obtained from Right of Way Agent. Also must restore any disturbed paved surfaces including driveways, pavement walkways, and parking lots that may be damaged.
- **Road Boring:** Pipe must be installed under Rock Raymond Rd via bore method. Must also implement a traffic control plan to prevent interruption of pedestrian and/or vehicular traffic on or adjacent to the Downingtown Middle School campus.
- **Construction Timeline:** Once established, provide Right of Way with a construction schedule so that it can pass along to school. Furthermore, construction may NOT begin on the Middle School property before May 15, 2015 due to spring sports. Sod for restoration of the athletic fields should be installed by June 30, 2015 to allow time to thatch before Fall sports. All school property must be restored by September 1, 2015 as to not affect Fall sports.
- **Soccer/Lacrosse Fields and Orsatti & Stuart Guideline:** The Orsatti & Stuart Landscape and Restoration Specifications should be used as a guideline for restoring the 2 soccer/lacrosse fields that will be disturbed by construction. It is to be followed to the best of Contractor's ability. If a copy of this guide is needed please contact Tom Miller, Lead Right of Way Agent (412-965-9779).
- **Soccer/Lacrosse Field Drainage System:** DASD has provided Columbia with drawings showing the design and materials used for the underground water drainage system that is under the athletic fields. These plans are to be followed as close as is reasonably practicable to repair/restore this system in the event it is damaged during construction. Review plans weeks before construction is anticipated on the tract of land in the event materials take time to order and obtain.
- **Fences:** There are two (2) fences that run parallel with the Route 30 bypass that are in the construction footprint. These fences are to be replaced/repared if disturbed.

The requested activities are expected to begin February 27; therefore, Columbia requests NTP by February 25, 2015. Columbia has received all applicable environmental permits, authorizations, and clearances for the proposed activities, as summarized in Tables 1 and 2 below, updated from the Implementation Plan.



TABLE 1			
East Side Expansion Project			
Environmental Permits, Approvals, and Consultations			
Agency	Permit/Approval/Consultation	Filing Date and Consultation (Anticipated)	Approval/ Authorization (Anticipated)
Federal			
Federal Energy Regulatory Commission	Certificate under Section 7 of the Natural Gas Act	November 2013	December 18, 2014
U.S. Corps of Engineers - Philadelphia District	Authorization to discharge dredged or fill materials into waters of the United States under Section 404 of the Clean Water Act (33 USC § 1344)	November 2013	Preliminary JD: October 29, 2014 Permit: (February 2015)
National Marine Fisheries Service – Northeast Regional Office	Consultation under Section 7 of the Endangered Species Act and the Marine Mammal Protection Act (16 USC §§ 1531 et seq.)	September 19, 2013	September 23, 2013
U.S. Fish and Wildlife Service (FWS) – Pennsylvania Field Office	Consultation under Section 7 of the Endangered Species Act; the Migratory Bird Treaty Act; and the Fish and Wildlife Coordination Act (16 USC §§ 1531 et seq.)	July 23, 2013	HCP to be implemented at W214PA and W400PA
FWS – New Jersey Field Office	Consultation under Section 7 of the Endangered Species Act; the Migratory Bird Treaty Act; and the Fish and Wildlife Coordination Act (16 USC §§ 1531 et seq.)	July 26, 2013	August 27, 2013 – Pennsburg MS August 27, 2013 – Quakertown MS August 1, 2014 – bog turtle and swamp pink concurrence September 29, 2014 – sensitive joint vetch and bald eagle concurrence
FWS – New York Field Office	Consultation under Section 7 of the Endangered Species Act; the Migratory Bird Treaty Act; and the Fish and Wildlife Coordination Act (16 USC §§ 1531 et seq.)	April 18, 2013	May 16, 2013
FWS – Chesapeake Bay Field Office	Consultation under Section 7 of the Endangered Species Act; the Migratory Bird Treaty Act; and the Fish and Wildlife Coordination Act (16 USC §§ 1531 et seq.)	April 18, 2013	May 28, 2013
New Jersey			
New Jersey Department of Environmental Protection (NJDEP) – Division of Land Use Regulation	Waterfront Development Individual Permit and Flood Hazard Area Individual Permit	May 15, 2013	December 15, 2014
	Freshwater Wetlands Individual Permit	January 13, 2014	December 15, 2014
	Tidelands License (NJSA 12:3)	May 9, 2014	(February 2015)
	NJ Pollution Discharge Elimination System (NJPDES) Hydrostatic Test Water Discharge General Permit	December 31, 2014	January 20, 2015
NJDEP – Division of Water Quality	NJPDES Discharge to Surface Water Construction Dewatering General Permit	(February 2015)	(February 2015)
NJDEP – Division of Water Supply and GeoScience	Temporary Dewatering Permit	November 21, 2014	(February 2015)



TABLE 1			
East Side Expansion Project			
Environmental Permits, Approvals, and Consultations			
Agency	Permit/Approval/Consultation	Filing Date and Consultation (Anticipated)	Approval/ Authorization (Anticipated)
NJDEP – Historic Preservation Office	National Historic Preservation Act Section 106 Consultation	Initiated October 2012	Concurrence obtained for all project facilities except: <ul style="list-style-type: none"> Avoidance of Site 28-GL-436 on tract NJ-GL-037.000B Additional detail provided in Table 2.
NJDEP – Division of Parks and Forestry Natural Heritage Program	Consultation for NJ state-listed species	July 26, 2013	August 22, 2013
Pennsylvania			
Pennsylvania Department of Environmental Protection (PADEP) – Southeast Regional Office	Chapter 105 Water Obstruction & Encroachment Joint Permit	December 10, 2013	(February 2015)
	Erosion & Sedimentation Control General Permit for Oil & Gas Activities (ESCGP-2)	December 10, 2013	February 2015
	Air Quality Permit (Title V) or Registration	June 2014	November 2014
	National Pollutant Discharge Elimination System (NPDES) General Permit for Discharges Resulting from Hydrostatic Testing of Tanks and Pipelines (PAG-10)	January 2015	(February 2015)
PADEP – Northeast Regional Office	Chapter 105 Water Obstruction & Encroachment General Permit 11 – Milford Compressor Station	October 30, 2014	(March 2015)
	Air Quality Permit (Title V) or Registration	June 2014	November 2014
	NPDES General Permit for Discharges Resulting from Hydrostatic Testing of Tanks and Pipelines (PAG-10)	January 2015	(February 2015)
PA Game Commission – Division of Environmental Planning and Habitat Protection	Consultation for Pennsylvania state-listed fish, reptiles, amphibians, and aquatic organisms (30 Pa. CSA §§ 101 et seq.)	N/A - All PNDIs negative	No further review required
PA Fish and Boat Commission – Natural Diversity Section	Consultation for Pennsylvania state-listed plants, natural communities, terrestrial invertebrates and geologic features (32 PS §§ 5301 et seq.)	February 11, 2013 April 15, 2013 July 23, 2013	November 25, 2013 October 14, 2013
PA Department of Conservation and Natural Resources	Consultation for Pennsylvania state-listed birds and mammals (34 Pa. CSA §§ 101 et seq.)	February 11, 2013 April 15, 2013 July 23, 2013	July 5, 2013 May 7, 2014
State Historic Preservation Office – PA Historical and Museum Commission	National Historic Preservation Act Section 106 Consultation	Initiated October 2012	Concurrence obtained on all Project facilities. Additional details provided in Table 2.



TABLE 1			
East Side Expansion Project			
Environmental Permits, Approvals, and Consultations			
Agency	Permit/Approval/Consultation	Filing Date and Consultation (Anticipated)	Approval/ Authorization (Anticipated)
New York			
New York State Department of Environment and Conservation New York Natural Heritage Program	Consultation for NY state-listed species	April 18, 2013	April 29, 2013
Maryland			
Maryland Department of Natural Resources	Consultation for MD state-listed species	April 18, 2013	June 5, 2013
Maryland Historical Trust	National History Preservation Act Section 106 Consultation	July 23, 2014	August 21, 2014
County			
Chester County Conservation District	Erosion and Sedimentation Control Plan (ESCP) Review	December 10, 2013	February 2015
Gloucester County Conservation District	ESCP Review	January 2014	June 4, 2014
Northampton County Soil Conservation District	ESCP Review	October 2014	(February 2015)
Harford County Conservation District	ESCP Review	(February 2015)	(March 2015)



TABLE 2		
East Side Expansion Project Cultural Consultations/Approvals		
Consultation/Approval Document	Date Submitted (Anticipated)	Date of Review/Concurrence
Archaeology – Pennsylvania Historical and Museum Commission Bureau for Historic Preservation		
Project Review Form and Work Plan	October 29, 2012	December 6, 2012
Unanticipated Discoveries Plan	April 18, 2013	July 1, 2013
Revised Unanticipated Discoveries Plan	October 14, 2013	No response
Draft Phase I Archaeological Survey Report	May 10, 2013	June 17, 2013
Final Phase I Archaeological Survey Report	July 17, 2013	June 3, 2014 (acceptance letter)
Draft Supplemental Phase I Archaeological Survey Report	October 21, 2013	December 10, 2013
Final Supplemental Phase I Archaeological Survey Report	January 30, 2015	Pending
Draft Second Supplemental Phase I Archaeological Survey Report	January 23, 2014	March 10, 2014
Final Second Supplemental Phase I Archaeological Survey Report	January 30, 2015	Pending
Draft Third Supplemental Phase I Archaeological Survey Report	May 14, 2014	June 12, 2014 and July 16, 2014
Final Third Supplemental Phase I Archaeological Survey Report	June 18, 2014 and July 23, 2014	July 25, 2014
Draft Archaeological Negative Survey Form	June 11, 2014	July 14, 2014
Final Archaeological Negative Survey Form	December 11, 2014	Pending
Draft Second Archaeological Negative Survey Form	August 26, 2014	September 25, 2014
Final Second Archaeological Negative Survey Form	September 30, 2014	Pending
Draft Third Negative Survey Form	December 31, 2014	January 13, 2015
Final Third Negative Survey Form	January 28, 2015	Pending
Architecture – Pennsylvania Historical and Museum Commission Bureau for Historic Preservation		
Technical Report for Initial Architectural Survey	September 20, 2013	November 4, 2013 (additional information request)
Technical Report for Second (Revised) Architectural Survey	May 7, 2014	July 7, 2014
Project Review Form Above Ground Resource Additional Information for Compressor and M&R Stations	April 25, 2014	July 7, 2014 and July 31, 2014
Archaeology – New Jersey Department of Environmental Protection Historic Preservation Office		
Project Work Plan	October 29, 2012	November 27, 2012
Unanticipated Discoveries Plan	April 18, 2013	May 30, 2013
Revised Unanticipated Discoveries Plan	October 14, 2013	No response
Draft Phase I Archaeological Survey Report	May 10, 2013	June 13, 2013
Final Phase I Archaeological Survey Report	September 3, 2013	September 30, 2013 (acceptance letter)
Draft Supplemental Phase I Archaeological Survey Report	October 21, 2013	March 12, 2014
Draft Second Supplemental Phase I Archaeological Survey Report	January 23, 2014	March 12, 2014



TABLE 2		
East Side Expansion Project Cultural Consultations/Approvals		
Consultation/Approval Document	Date Submitted (Anticipated)	Date of Review/Concurrence
Final Supplemental Phase I Archaeological Survey Report	Pending landowner artifact decisions	Pending submission
Final Second Supplemental Archaeological Survey Report	Pending landowner artifact decisions	Pending submission
Draft Third Supplemental Phase I Archaeological Survey Report	June 11, 2014	September 26, 2014
Final Third Supplemental Phase I Archaeological Survey Report	Pending landowner artifact decisions	Pending submission
Archaeological Avoidance Plan for Site 28-GL-436	November 14, 2014	January 22, 2015
Letter Report on Phase I Archaeological Survey of Contractor Yard Access Road Variance	December 31, 2014	January 14, 2015
Draft Fourth Supplemental Phase I Archaeological Survey Report	(February 6, 2015)	Pending Submission
Architecture – New Jersey Department of Environmental Protection Historic Preservation Office		
Technical Report for Initial Architectural Survey	September 20, 2013	January 20, 2014
Technical Report for Second Architectural Survey	April 2, 2014	September 15, 2014
Archaeology/Architecture – Maryland Historical Trust		
Letter requesting concurrence that no cultural resource investigations are necessary	July 23, 2014	August 21, 2014



ATTACHMENT 1

Project Revisions Table and Figures

EAST SIDE EXPANSION PROJECT NTP #4 PROJECT REVISIONS ¹								
Alignment Sheet Number	Milepost	Impact Change (Acres)	Tract Nos.	Reason for Revision	Resource Impacts (Acres)	Outside Certificated Workspace (Variance)?	Landowner Approval?	Status of Variance
Line 1278 Loop Chester County, Pennsylvania								
TD-6711-7002	0.5	-0.05	PA-CH-005.000	At request of landowner. Added ATWS on northern side of property and removed ATWS on southern side. See Figure 1 in this attachment.	0.00	Yes	9.3.14	Submitted with Implementation Plan and Request for NTP #4.
TD-6711-7250	Offline	0.04	PA-CH-010.000TWS	Extended south end of access road AR-PA-CH-001 to include a private temporary drive for use by Beth Israel Congregation and the construction contractor. See Figure 2 of this attachment. The access road table was updated to include this additional length and was provided as Table 8.2.6-1 in Attachment 5 of the Implementation Plan.	0.00	Yes	7.29.14	Submitted with Implementation Plan and Request for NTP #4.
TD-6711-7007	3.1	0.27	PA-CH-037.000	Rearrange TWS and ATWS to other side of pipeline per landowner request. See Figure 3 of this attachment.	0.00	Yes	1.28.15	Submitted with NTP #4
NA	Offline	3.70	PA-CH-137.000SY	Abandon proposed use of preferred contractor yard. Now proposing to use both the preferred and alternative contractor yard #4 in PA. Both yards were included in Certificate application. See Figure 4 of this attachment.	0.00	No	1.8.15	Submitted with Implementation Plan and Request for NTP #4.
TD-6711-7014 and 7015	6.4 and 6.7	September	PA-CH-092.200 and PA-CH-092.400	Workspace needed to work around trees that cannot be cleared during initial tree clearing activities due to sensitive habitat. See Figure 5 of this attachment.	0.00	Yes	12.04.14 and 1.28.15	Submitted with Request for NTP #4
Pike County, Pennsylvania								
NA	Offline	0.04	NA	Area for contractor trailer adjacent to Milford Compressor Station driveway. See Attachment 3 (CEII).	0.00	Yes	Property owned by Columbia	Requested with NTP #4

¹ All revisions are within the environmental and cultural study areas as presented to the agencies, unless otherwise noted. Columbia is requesting a variance for all revisions that occur outside the certificated work area and for which landowner approval is indicated as having been obtained.

**EAST SIDE EXPANSION PROJECT
NTP #4 PROJECT REVISIONS ¹**

Alignment Sheet Number	Milepost	Impact Change (Acres)	Tract Nos.	Reason for Revision	Resource Impacts (Acres)	Outside Certificated Workspace (Variance)?	Landowner Approval?	Status of Variance
Chester County, Pennsylvania								
NA	Beg. of Line 1278 Loop	0.60	NA	Additional workspace within existing fenced Eagle compressor station site, as depicted on plan filed in Attachment 3 (CEII Volume) of Implementation Plan.	0.00	Yes	Property owned by Columbia	Requested with submittal of initial implementation plan



Legend

- Mile Posts
- - - FERC Centerline
- ▭ FERC ATWS
- ▭ FERC Permanent ROW
- ▭ FERC Temporary ROW
- ▭ Wetlands



Original Workspace at MP 0.5

East Side Expansion Project - Line 1278 Loop
 Chester County, Pennsylvania

0 50 100 200 Feet

1 inch = 100 feet

Figure 1A

Drawn On: November 21, 2014

Prepared For: **Columbia Gas Transmission**
 A NiSource Company

AK AK Environmental, LLC
 850 Bear Tavern Road
 Suite 106
 West Trenton, NJ 08628
An NVS Company



Revised Workspace at MP 0.5

East Side Expansion Project - Line 1278 Loop
Chester County, Pennsylvania

0 50 100 200 Feet

1 inch = 100 feet

Legend

- Mile Posts
- - - FERC Centerline
- ▭ Revised ATWS
- ▭ Revised Permanent ROW
- ▭ Revised Temporary ROW
- ▭ Wetlands

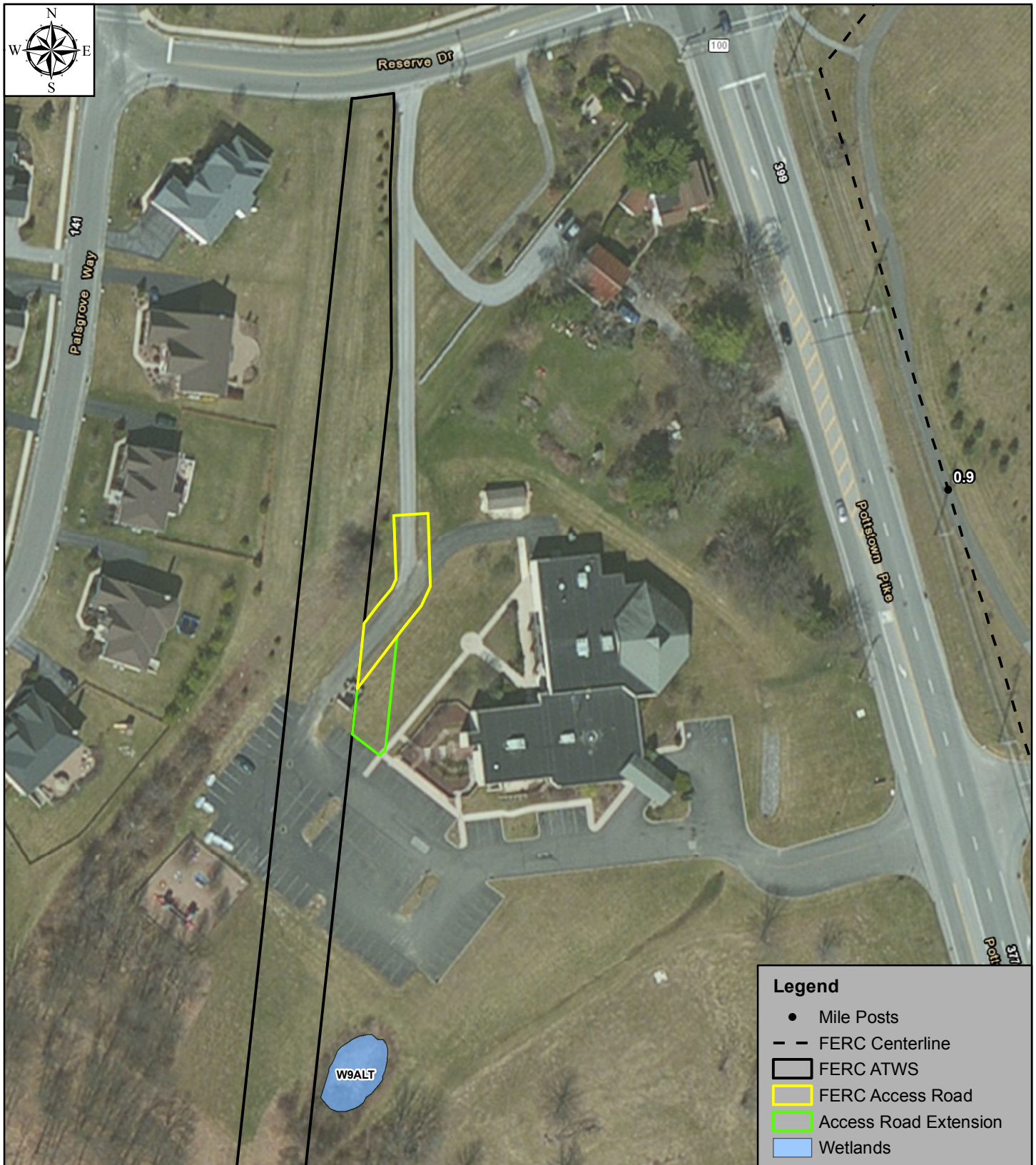
Figure 1B

Drawn On: November 21, 2014

Prepared For:

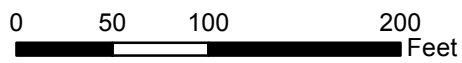


AK Environmental, LLC
850 Bear Tavern Road
Suite 106
West Trenton, NJ 08628



Access Road Extension at HDD Pullback

East Side Expansion Project - Line 1278 Loop
 Chester County, Pennsylvania



1 inch = 100 feet

Legend

- Mile Posts
- - FERC Centerline
- ▭ FERC ATWS
- ▭ FERC Access Road
- ▭ Access Road Extension
- ▭ Wetlands

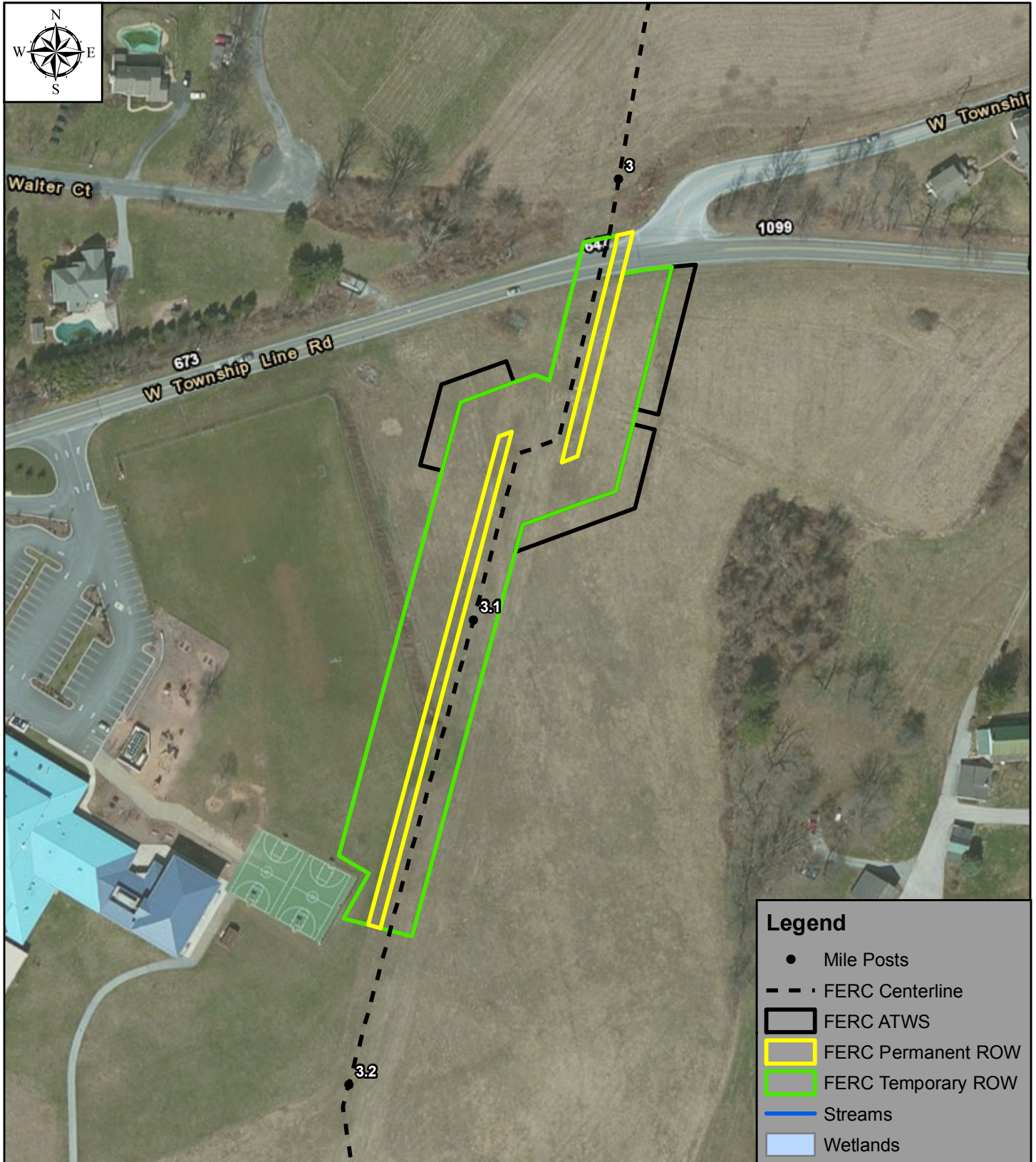
Figure 2

Drawn On: November 21, 2014

Prepared For:



AK Environmental, LLC
 850 Bear Tavern Road
 Suite 106
 West Trenton, NJ 08628



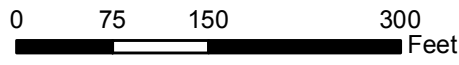
Legend

- Mile Posts
- - - FERC Centerline
- ▭ FERC ATWS
- ▭ FERC Permanent ROW
- ▭ FERC Temporary ROW
- Streams
- ▭ Wetlands



Original Workspace at MP 3.1

East Side Expansion Project
Chester County, Pennsylvania



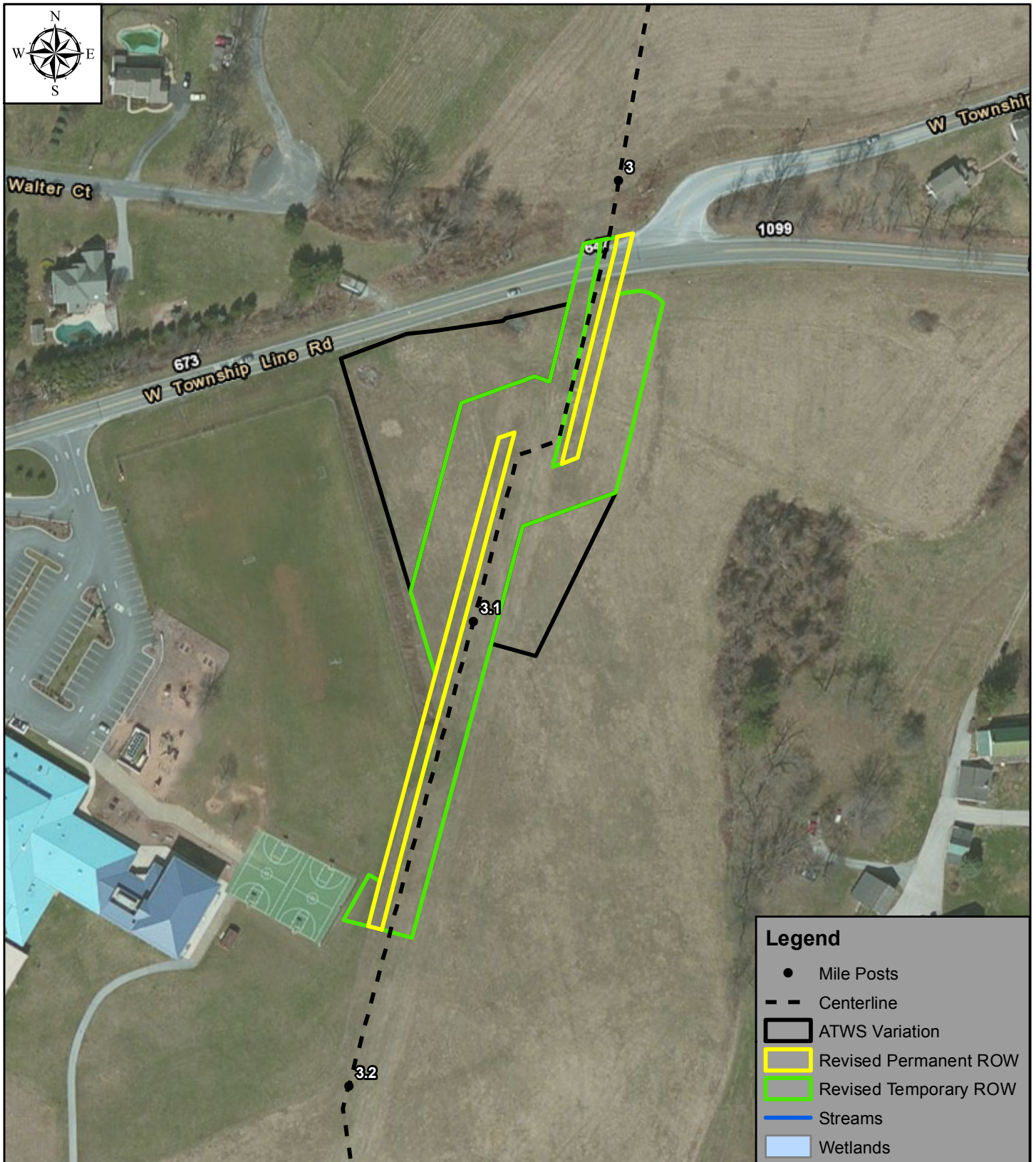
1 inch = 150 feet

Figure 3A

Drawn On: February 03, 2015

Prepared For: **Columbia Gas Transmission**
A NiSource Company

AK AK Environmental, LLC
850 Bear Tavern Road
Suite 106
West Trenton, NJ 08628



Legend

- Mile Posts
- - - Centerline
- ▭ ATWS Variation
- ▭ Revised Permanent ROW
- ▭ Revised Temporary ROW
- Streams
- ▭ Wetlands



Revised Workspace at MP 3.1
 East Side Expansion Project
 Chester County, Pennsylvania

0 75 150 300 Feet

1 inch = 150 feet

Figure 3B

Drawn On: February 03, 2015

Prepared For: **Columbia Gas Transmission**
A NiSource Company

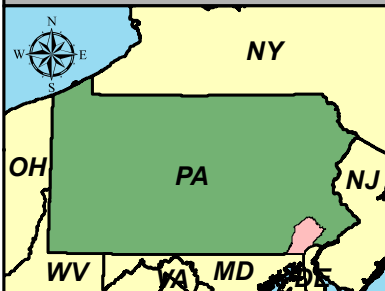
AK AK Environmental, LLC
 850 Bear Tavern Road
 Suite 106
 West Trenton, NJ 08628

Collaborating with Energy



Legend

- Additional Pipeyard Boundary
- Streams
- Wetlands



Use of Additional Contractor Yard
 East Side Expansion Project - Line 1278 Loop
 Chester County, Pennsylvania

0 150 300 600 Feet

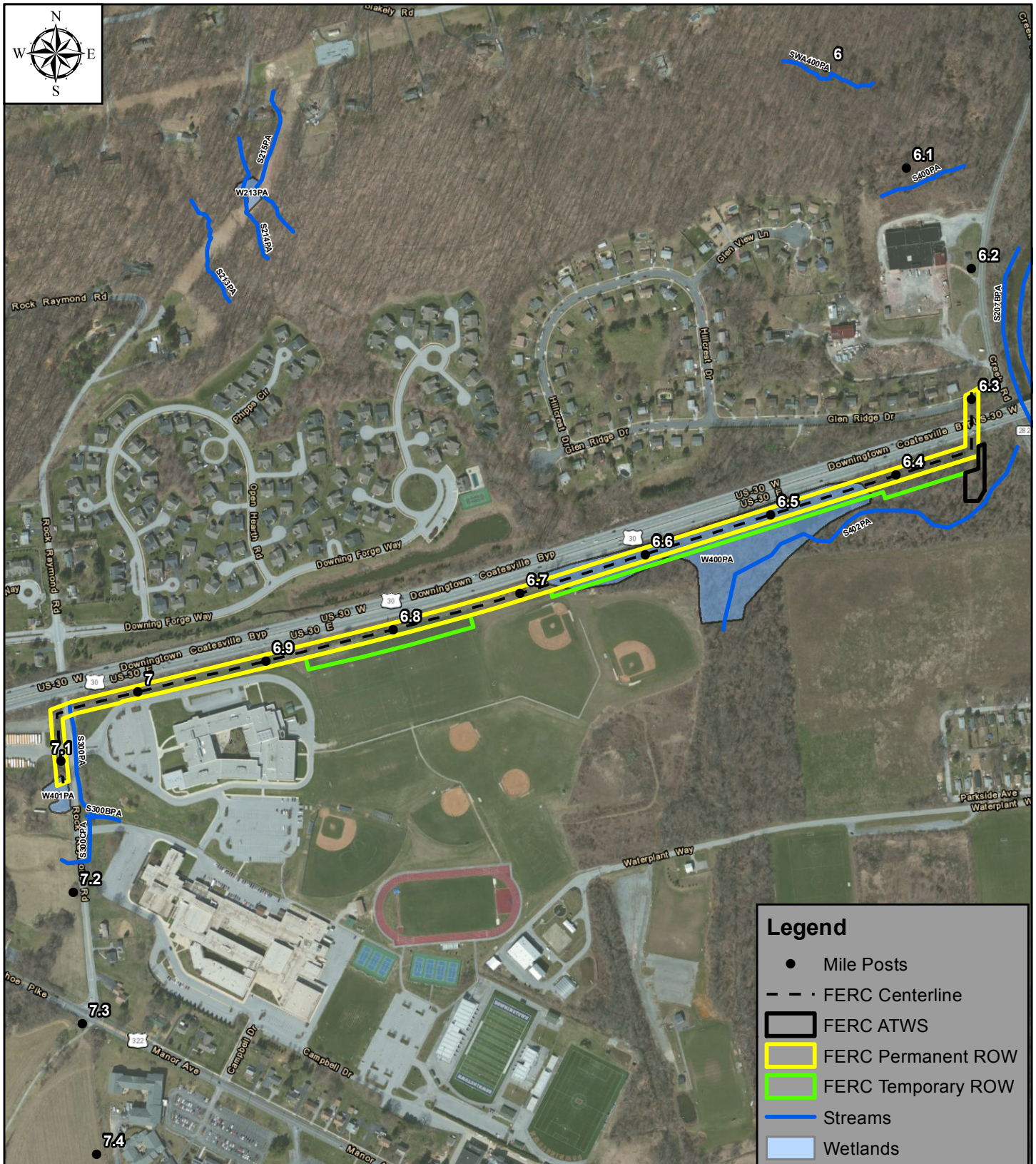
1 inch = 300 feet

Figure 4

Drawn On: January 28, 2015

Prepared For: Columbia Gas Transmission
 A NiSource Company

AK Environmental, LLC
 850 Bear Tavern Road
 Suite 106
 West Trenton, NJ 08628
AN NVS COMPANY



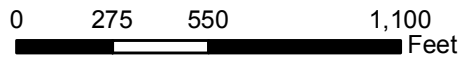
Legend

- Mile Posts
- - - FERC Centerline
- ▭ FERC ATWS
- ▭ FERC Permanent ROW
- ▭ FERC Temporary ROW
- Streams
- ▭ Wetlands



Original Workspace for Crossing W400-PA

East Side Expansion Project
 Chester County, Pennsylvania



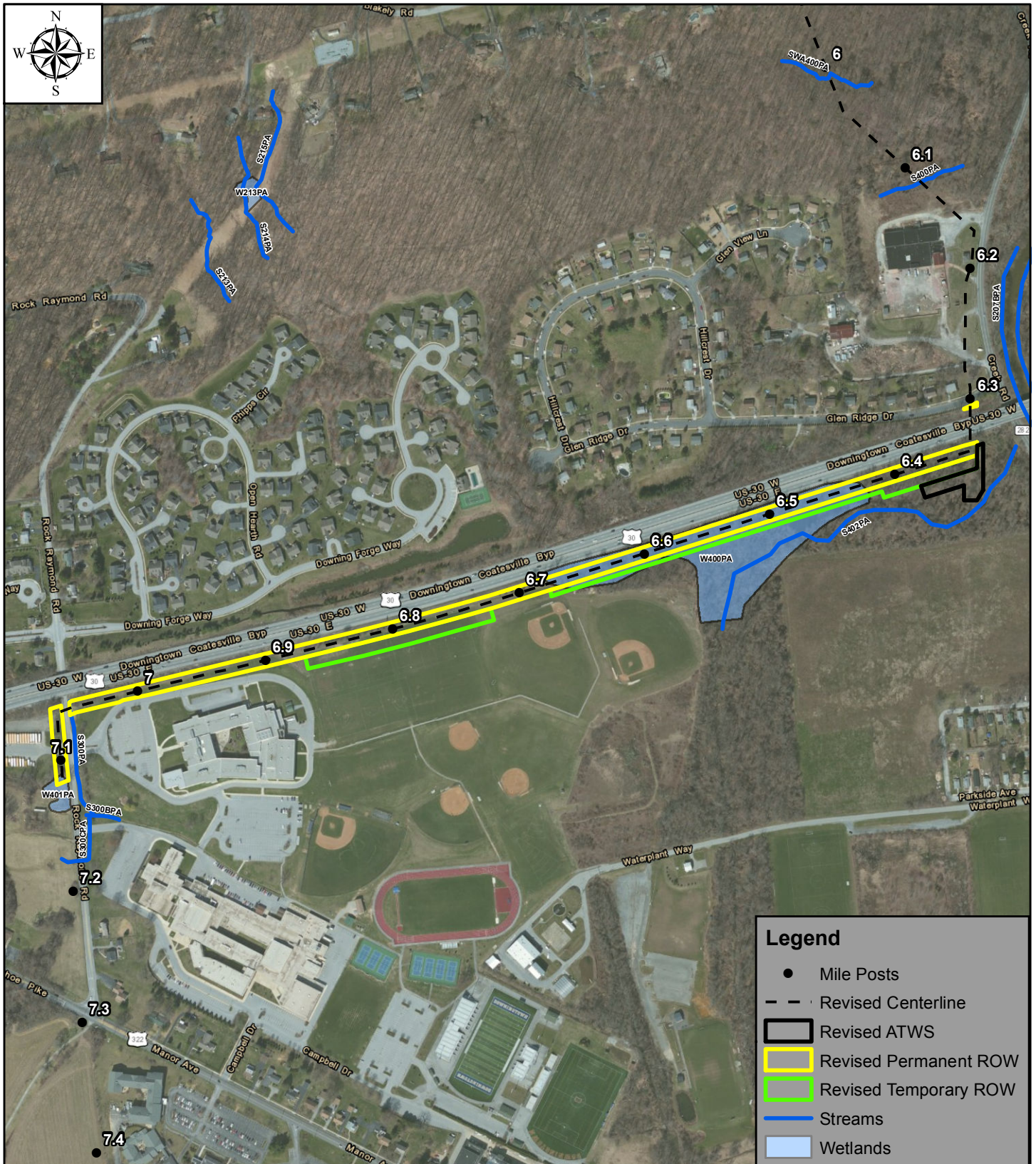
1 inch = 550 feet

Figure 5A

Drawn On: February 02, 2015

Prepared For: **Columbia Gas Transmission**
 A NiSource Company

AK AK Environmental, LLC
 850 Bear Tavern Road
 Suite 106
 West Trenton, NJ 08628



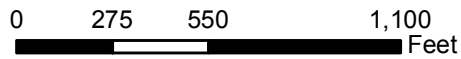
Legend

- Mile Posts
- - - Revised Centerline
- ▭ Revised ATWS
- ▭ Revised Permanent ROW
- ▭ Revised Temporary ROW
- Streams
- ▭ Wetlands



Revised Workspace for Crossing W400-PA

East Side Expansion Project
 Chester County, Pennsylvania



1 inch = 550 feet

Figure 5B

Drawn On: February 02, 2015

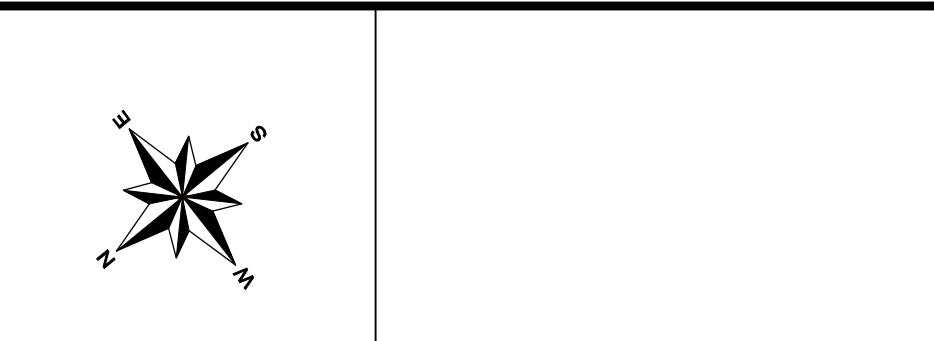
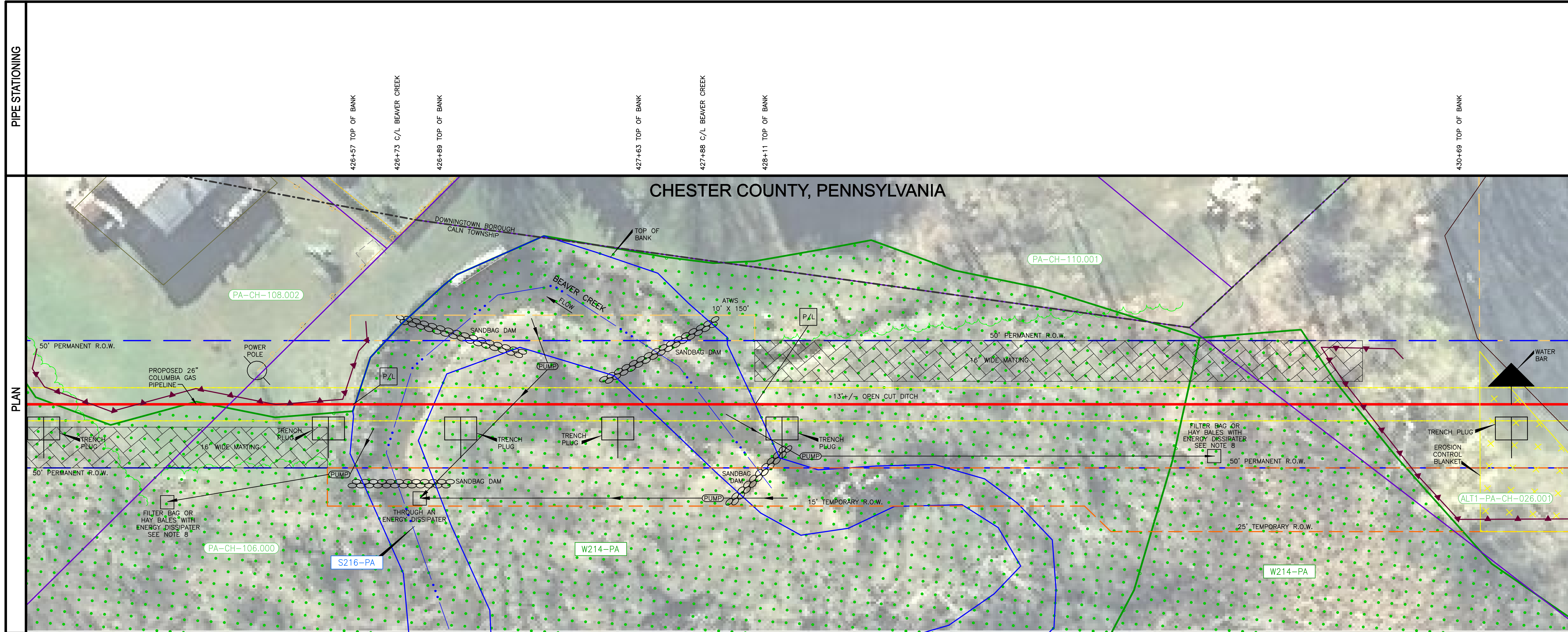
Prepared For: **Columbia Gas Transmission**
 A NiSource Company

AK AK Environmental, LLC
 850 Bear Tavern Road
 Suite 106
 West Trenton, NJ 08628



ATTACHMENT 2

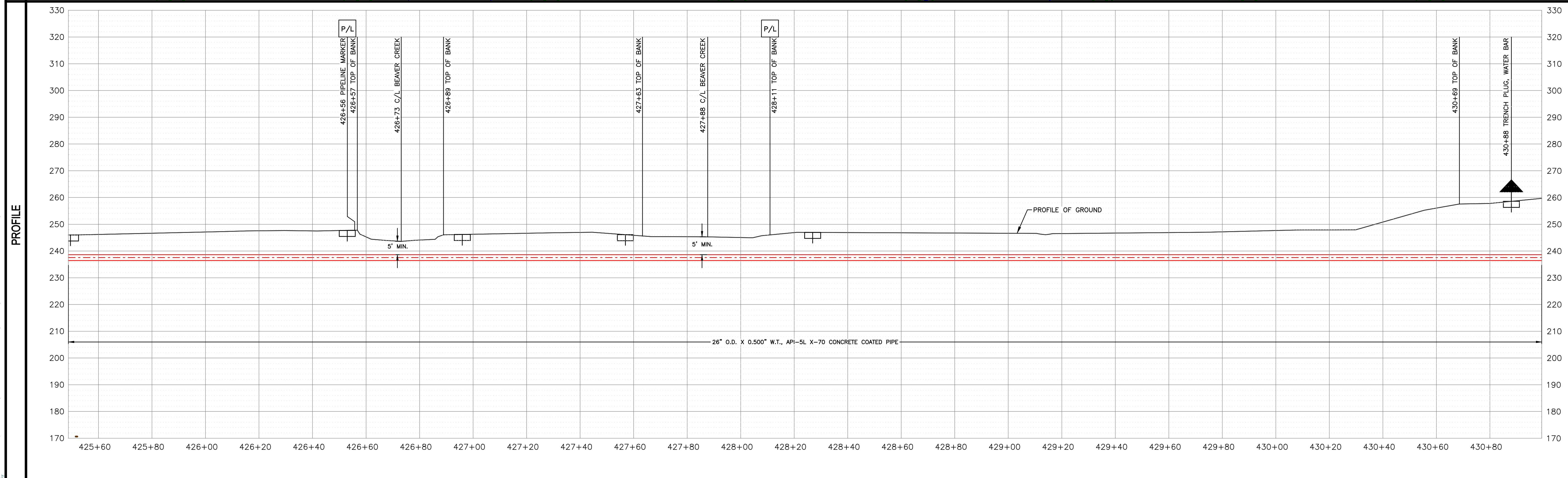
Beaver Creek Crossing Plan



- GENERAL NOTES:**
- CONTRACTOR TO LOCATE, MARK AND POTHOLE FOREIGN LINES PRIOR TO EXCAVATION. LOCATIONS OF EXISTING FACILITIES SHOWN ARE APPROXIMATE. CONTRACTOR TO LOCATE AND/OR CONFIRM THE LOCATIONS AND DEPTH OF ALL UTILITIES, PIPELINES OR OTHER OBSTACLES PRIOR TO EXCAVATION.
 - CONTRACTOR TO MAT OVER ANY FOREIGN PIPELINES CROSSED.
 - CONTRACTOR TO SUPPORT EXISTING UTILITIES, PIPELINES AND/OR OTHER FEATURES.
 - CONTRACTOR TO GRADE EXCAVATION AREA AND RESTORE TO ORIGINAL CONDITIONS.
- PIPELINE NOTES:**
- PIPE 26" O.D. X 0.500" W.T., API 5L X-70 MATERIAL GRADE
 - COATING: FUSION BONDED EPOXY WITH CONCRETE (3" THICKNESS)
 - DESIGN FACTOR: 0.50
 - DESIGN PRESSURE: 1200 PSIG
 - WELDING PROCESS (ES): SUBMERGED ARC WELDING PROCESS OR SEMI-AUTOMATIC PROCESS APPROVED BY CPG PIPELINE SPECIFICATIONS
 - THE COATING ON THE CARRIER PIPE SHALL BE INSPECTED IMMEDIATELY PRIOR TO ITS INSTALLATION AND ALL DAMAGED COATING SHALL BE REPAIRED IN ACCORDANCE WITH CPG SPECIFICATIONS
 - LOCATION OF SANDBAG DAMS MAY BE ADJUSTED WITHIN WORKSPACE TO ACCOMMODATE ACTUAL CONDITIONS AT TIME OF CONSTRUCTION.
 - DISCHARGE LOCATION TO BE DETERMINED BY THE ENVIRONMENTAL INSPECTOR AT TIME OF CONSTRUCTION.

PROJECTION SYSTEM:
UTM 18N, NAD 83, US FEET

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BORE PIPE SPECIFICATIONS

1	26" O.D. X 0.500" W.T., API 5L X-70 CONCRETE COATED PIPE
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No.	REVISIONS	APPROVED BY	DATE	No.	REVISIONS	APPROVED BY	DATE
1	REVISED FOR OPEN CUT	JHE	01/28/15	2	REVISED FOR OPEN CUT	JHE	01/21/15
3	REVISED FOR OPEN CUT	JHE	09/09/14	4	ISSUE FOR PERMIT	JHE	09/09/14

0 10 20	PLAN SCALE: 1"=20'
0 10 20	PROFILE (H) SCALE: 1"=20'
0 10 20	PROFILE (V) SCALE: 1"=20'

TD-6711-7018	ALIGNMENT SHEET	FIELD SERVICES ENGINEERING SERVICES 1700 MACDONALD AVENUE SE, CHESTER, WV 26034 Columbia Gas Transmission A Nippon Energy Company	EAST SIDE EXPANSION 26" LOOP 1278 BEAVER CREEK (MP 8.1) (OPEN CUT/DAM AND PUMP)	
TD-6711-8622	STEAM CROSSING WITH PUMP BYPASS			
TD-6711-8620	PUMPED WATER FILTER BAG			
TD-6711-8635	DEWATERING METHOD WITH HAY BALES			
TD-6711-8631	TYPICAL WOOD MAT FOR WETLAND CROSSING	DRAWN BY: SJS CHECKED BY: RSC DESIGNED BY: JHE	DATE: 09/02/14 DATE: 09/04/14 DATE: 09/09/14	
Dwg. No.	REFERENCE	DRAWING NUMBER	SHEET	ISSUE
		TD-6711-8402	01 OF 01	2

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ATTACHMENT 3

Milford Compressor Station Plan with Trailer Space

*This attachment has been removed for CEII treatment and is
marked:*

**CONTAINS CRITICAL ENERGY INFRASTRUCTURE INFORMATION –
DO NOT RELEASE**

Document Content(s)

20150218_CP14-17-000-Request for NTP- Line 1278, et al..PDF.....1-27