

LEGEND

PROPOSED

PROJECT COMPONENTS

PROPOSED PIPELINE	
LIMITS OF DISTURBANCE	
PROPOSED PERMANENT EASEMENT	
ACCESS ROAD	
FACILITY LOCATION	
APPROXIMATE LOCATION OF BORE PIT	

EROSION & SEDIMENT CONTROL DEVICES

PERMANENT WATERBAR (WITH SUMP AND COMPOST FILTER SOCK END TREATMENT)	
TEMPORARY WATERBAR (WITH SUMP AND COMPOST FILTER SOCK END TREATMENT)	
DIVERSION SOCK	
TEMPORARY CLEAN WATER SLOPE PIPE	
12" COMPOST FILTER SOCK	
18" COMPOST FILTER SOCK	
24" COMPOST FILTER SOCK	
32" COMPOST FILTER SOCK	
32" DURASOXX	
TRENCH PLUG	
TEMPORARY EQUIPMENT BRIDGE	
ROCK CONSTRUCTION ENTRANCE	
TIMBER MAT	
EROSION CONTROL MATTING	
ROCK FILTER OUTLET	
SAFETY FENCE	
HABITAT EXCLUSION FENCING	

IMPACTS

PROPOSED PEM WETLAND IMPACT	
PROPOSED PSS WETLAND IMPACT	
PROPOSED PFO WETLAND IMPACT	
PROPOSED PUB WETLAND IMPACT	
PROPOSED VERNAL POOL IMPACT	
PROPOSED STREAM IMPACT (TOB TO TOB)	

EXISTING

ENVIRONMENTAL FEATURES

EXISTING PEM WETLAND	
EXISTING PSS WETLAND	
EXISTING PFO WETLAND	
EXISTING PUB WETLAND	
EXISTING VERNAL POOL	
WATERCOURSE THROUGH EXISTING CULVERT	
EXISTING STREAM TOP OF BANK	
APPROXIMATE 100 YEAR FLOODWAY	

OTHER

PROPERTY LINE	
EXISTING ROAD CENTERLINE	
EXISTING MAJOR CONTOUR	
EXISTING MINOR CONTOUR	

NOTES:

- ALTERNATIVE CROSSING METHODS SHOWN ON THE APPROVED E&S PLAN MAY BE IMPLEMENTED, AS NECESSARY, TO ADDRESS FIELD CONDITIONS DURING CONSTRUCTION.
- IN INSTANCES WHERE THE PROJECT WORKSPACE CROSSES A WETLAND/WATERCOURSE MORE THAN ONCE, THE CROSSING NUMBER (I.E. -1, -2, -3) HAS BEEN ADDED AS A SUFFIX TO THE WETLAND/WATERCOURSE NAME.
- TEMPORARY IMPACT ACRES ARE MEASURED WITHIN THE TEMPORARY WORKSPACE AND ADDITIONAL TEMPORARY WORKSPACE; THE MEASUREMENT DOES NOT INCLUDE ACREAGES IMPACTED WITHIN THE 50' PERMANENT ROW. PERMANENT IMPACT ACRES ARE MEASURED WITHIN THE 50' PERMANENT ROW, WITHIN AN ABOVEGROUND FACILITY FOOTPRINT, OR REPRESENTS A CULVERT INSTALLATION OR REPLACEMENT. FOR HDDs OR BORES, THE PERMANENT IMPACT IS CALCULATED AS THE LENGTH OF THE CROSSING TIMES THE PIPE DIAMETER.
- FOR THE IMPACT TABLE SHOWN IN EACH DRAWING A VALUE OF 0.00 DENOTES IMPACT ACREAGES LESS THAN 0.005 ACRES. A "-" DENOTES NO IMPACTS TO THE WETLAND, WATERCOURSE CHANNEL, OR FLOODWAY, AS APPLICABLE.
- PROFILES ARE ONLY SHOWN ON THE DRAWINGS WHERE THE PROPOSED PIPELINE CROSSES A WETLAND OR WATERCOURSE.
- THE PROPOSED PIPELINE IS TO BE INSTALLED WITH 3-FEET MINIMUM COVER THROUGH WETLANDS AND 5-FEET MINIMUM COVER THROUGH WATERCOURSE CHANNELS.
- BORE PIT LOCATIONS SHOWN IN PLAN VIEW ARE APPROXIMATE. DEPTH OF PIPE AT CONVENTIONAL BORED LOCATIONS IS APPROXIMATE AND WILL BE AT A MINIMUM OF 5-FEET COVER BELOW WATERCOURSE CHANNELS.
- WETLAND AND WATERCOURSE DELINEATIONS AND RESOURCE IMPACT CALCULATIONS COMPLETED BY AECOM.
- DURING THE CONSTRUCTION PHASE, IF SHALLOW BEDROCK IS PRESENT, THE PIPELINE WILL BE INSTALLED THROUGH THE WATERCOURSE CHANNEL WITH A MINIMUM OF 2 FEET OF COVER, AS THE REQUIRED 5 FEET OF MINIMUM COVER WILL NOT BE FEASIBLE.
- TOWNSHIP/ COUNTY LINE SOURCE: PENNDOT
- PENNSYLVANIA MUNICIPALITY BOUNDARIES, DATED 01/2017 AND PENNDOT PENNSYLVANIA COUNTY BOUNDARIES, DATED 07/2018. AVAILABLE AT WWW.PASDA.PSU.EDU
- FLOODWAYS CROSSED ON EXISTING ACCESS ROADS WHERE IMPROVEMENTS ARE NOT REQUIRED ARE NOT SHOWN AS IMPACTS.

CROSSING METHOD KEY FOR WATERCOURSE CHANNELS:

- BX = CONVENTIONAL BORE CROSSING
- CD = COFFERDAM CROSSING
- DPX = DAM-AND-PUMP CROSSING
- DX-NF = DRY CROSSING IF NO FLOW
- FX = FLUME CROSSING
- HDD = HORIZONTAL DIRECTIONAL DRILL CROSSING
- N/A = NOT APPLICABLE

REVISIONS

NO.	DATE	DESCRIPTION	DRAWN	CHECK	APPROVAL

APPROVALS

DRAWN BY	DATE
HM	5/2018
CHECKED BY	DATE
ENG. APPROVAL	DATE
P.M. APPROVAL	DATE

PREPARED FOR:



PREPARED BY:

PENNEAST PIPELINE PROJECT

WETLAND & STREAM CROSSING PLAN
 PROPOSED 36" PENNEAST PIPELINE
 PROPOSED 24" HELLERTOWN LATERAL
 PROPOSED 4" BLUE MOUNTAIN LATERAL
 LEGEND SHEET

SCALE	DRAWING NO.	REVISION
N/A	LEGEND	0