

# LEGEND

## PROPOSED

### PROJECT COMPONENTS

PROPOSED PIPELINE	
LIMITS OF DISTURBANCE	
PROPOSED PERMANENT EASEMENT	
ACCESS ROAD	

### 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	
TRENCH PLUG	
TEMPORARY EQUIPMENT BRIDGE	
ROCK CONSTRUCTION ENTRANCE	
TIMBER MAT	
EROSION CONTROL MATTING	
ROCK FILTER OUTLET	

### IMPACTS

PROPOSED PEM WETLAND IMPACT	
PROPOSED PSS WETLAND IMPACT	
PROPOSED PFO WETLAND IMPACT	
PROPOSED POND IMPACT	
PROPOSED STREAM IMPACT (TOB TO TOB)	

## EXISTING

### ENVIRONMENTAL FEATURES

EXISTING PEM WETLAND	
EXISTING PSS WETLAND	
EXISTING PFO WETLAND	
EXISTING POND	
EXISTING STREAM TOP OF BANK	
APPROXIMATE 100 YEAR FLOODWAY	
<b>OTHER</b>	
PROPERTY LINE	
EXISTING ROAD CENTERLINE	
EXISTING MAJOR CONTOUR	
EXISTING MINOR CONTOUR	

## WETLAND/WATERBODY IMPACT NOTES:

1. TEMPORARY IMPACTS FOR WETLANDS ARE MEASURED WITHIN THE CONSTRUCTION WORKSPACE. THIS MEASUREMENT EXCLUDES PFO/PSS WETLANDS WITHIN THE 10' POST-CONSTRUCTION MAINTAINED ROW, AND PEM WETLANDS WITHIN THE AREA MEASURED BASED ON THE PIPELINE WIDTH AND LENGTH THROUGH THE FEATURE.
2. PERMANENT IMPACTS FOR PFO/PSS WETLANDS ARE MEASURED WITHIN THE 10' POST-CONSTRUCTION MAINTAINED ROW. PERMANENT IMPACTS FOR PEM WETLANDS ARE MEASURED BASED ON THE PIPELINE WIDTH AND LENGTH THROUGH THE FEATURE.
3. TEMPORARY IMPACT ACRES FOR STREAMS ARE MEASURED WITHIN THE CONSTRUCTION WORKSPACE. THIS MEASUREMENT EXCLUDES THE AREA MEASURED BASED ON THE PIPELINE WIDTH AND LENGTH THROUGH THE FEATURE.
4. PERMANENT IMPACT ACRES FOR STREAMS ARE MEASURED BASED ON THE PIPELINE WIDTH AND LENGTH THROUGH THE FEATURE.

## GENERAL NOTES:

1. IN INSTANCES WHERE THE PROJECT WORKSPACE CROSSES A WETLAND/WATERCOURSE MORE THAN ONCE, THE TOTAL IMPACT IS SHOWN AT THE FIRST INSTANCE OF THE CROSSING. IN INSTANCES WHERE A WETLAND/WATERCOURSE IS CROSSED BY DIFFERENT CROSSING METHODS (I.E. OPEN CUT AND EXISTING ROAD), IMPACTS HAVE BEEN SPLIT INTO TWO ROWS AND THE CROSSING NUMBER "-1" OR "-2" HAS BEEN ADDED AS A SUFFIX TO THE WETLAND/WATERCOURSE ID.
2. FOR THE IMPACT TABLE SHOWN IN EACH DRAWING A VALUE OF <0.001 DENOTES IMPACT ACREAGES LESS THAN 0.0005 ACRES. A "-" DENOTES NO IMPACTS TO THE WETLAND, WATERCOURSE CHANNEL, OR FLOODWAY, AS APPLICABLE.
3. THE PROPOSED PIPELINE IS TO BE INSTALLED WITH 3-FEET MINIMUM COVER THROUGH WETLANDS AND 5-FEET MINIMUM COVER THROUGH WATERCOURSE CHANNELS.
4. DEPTH OF PIPE AT CONVENTIONAL BORED LOCATIONS IS APPROXIMATE AND WILL BE AT A MINIMUM OF 5-FEET COVER BELOW WATERCOURSE CHANNELS.
5. WETLAND AND WATERCOURSE DELINEATIONS AND RESOURCE IMPACT CALCULATIONS COMPLETED BY MOTT MACDONALD.
6. 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.
7. TOWNSHIP/ COUNTY LINE SOURCE: PENNDOT
8. IMPACTS WERE NOT QUANTIFIED FOR NON-JURISDICTIONAL DITCHES.

9/4/2020 10:26 AM, HECTOR MORALES, G:\NATIONAL FUEL GAS\388597\_FM100\_MODERNIZATION\_PROJECT\PIPELINE\DRAWING\WETLAND\WATERSPECIFICS\LEGEND\_SHEET\_MODERNIZATION.DWG

REVISIONS					
NO.	DATE	DESCRIPTION	DRAWN	CHECK	APPROVAL
A	10/2019	ISSUED FOR PADEP PERMIT	HM	KEK	MJD
B	09/2020	REVISED FOR PADEP	HM	KEK	MJD

APPROVALS	
DRAWN BY	DATE
HM (MM)	10/2019
CHECKED BY	DATE
KEK (MM)	10/2019
ENG. APPROVAL	DATE
MJD (MM)	10/2019
P.M. APPROVAL	DATE

PREPARED FOR:



PREPARED BY:

**M M**  
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FM100 MODERNIZATION PROJECT		
WETLAND & STREAM CROSSING PLAN PROPOSED 20" YM58 PIPELINE PROPOSED 12" KL EXTENSION PROPOSED 24" YM224 PIPELINE LEGEND SHEET		
SCALE	DRAWING NO.	REVISION
N/A	LEGEND	A