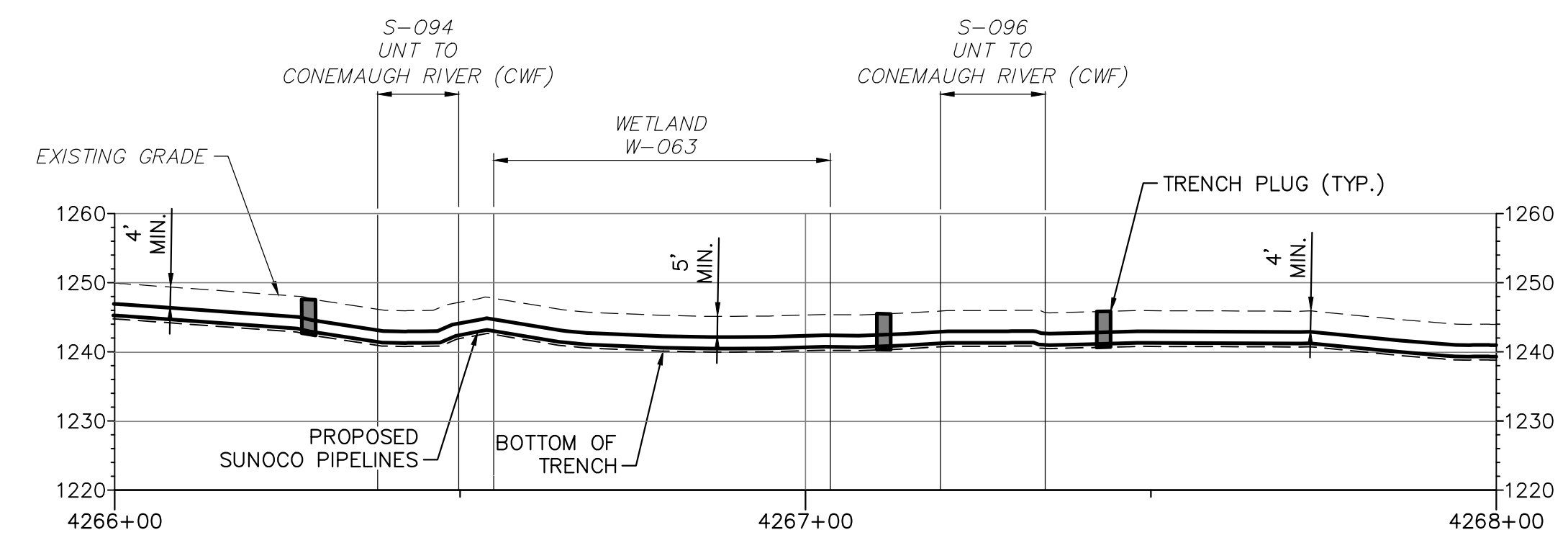


RESTORATION PLAN



PROFILE



GENERAL NOTES:

1. REFERENCE E&S PLAN AND SITE RESTORATION NOTES AND DETAILS FOR ADDITIONAL CONSTRUCTION SEQUENCING, TYPICAL DETAILS AND NOTES; AND PLAN SHEETS FOR ADDITIONAL PLANS AND TOPOGRAPHY.
2. ALL EXISTING UTILITY INFORMATION IS APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
3. MAINTAIN 2'-0" MINIMUM VERTICAL SEPARATION BETWEEN THE PROPOSED PIPELINE AND OTHER UTILITIES.
4. THE BACKGROUND TOPOGRAPHY WAS OBTAINED FROM TOPOGRAPHIC SURVEYS PERFORMED IN SEPTEMBER 2016.
5. THE PROJECT IS LOCATED IN NAD83 PENNSYLVANIA STATE PLANE COORDINATE SYSTEM (SOUTH ZONE), NAVD88.

WETLAND CROSSING NOTES:

1. REFERENCE E&S PLAN AND SITE RESTORATION NOTES AND DETAILS FOR WETLAND CONSTRUCTION SEQUENCING AND RESTORATION.
2. A MINIMUM OF 4 FEET COVER UNDER WETLANDS AND UPLANDS IS REQUIRED.
3. EROSION CONTROL BLANKET SHALL BE PLACED A MINIMUM OF 50 FEET EDGE OF WETLAND OR 100 FEET FROM EDGE OF WETLAND FOR SPECIAL PROTECTION WATERS (HQ OR EV).

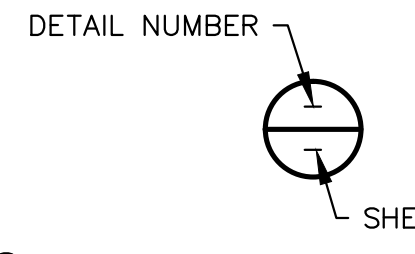
STREAM CROSSING NOTES:

1. REFERENCE E&S PLAN AND SITE RESTORATION NOTES AND DETAILS FOR STREAM CONSTRUCTION SEQUENCING AND RESTORATION.
2. TEMPORARY EQUIPMENT BRIDGE CROSSINGS ARE TO BE IMPLEMENTED IN ACCORDANCE WITH THE NOTES AND DETAILS FOR THE IMPLEMENTED METHOD.
3. SITE CONDITIONS MAY ALLOW FOR IMPLEMENTATION OF OTHER APPROVED PIPELINE INSTALLATION METHODS REFERENCED WITH THE NOTES AND DETAILS.
4. THE PIPELINES SHALL MAINTAIN A MINIMUM OF 5 FEET OF COVER UNDER STREAMS FROM THE TOP OF PIPE TO THE STREAM BED. THIS COVER WILL BE MAINTAINED AT A MINIMUM FROM TOP OF BANK TO TOP OF BANK.
5. REFERENCE THE STREAM BANK STABILIZATION DETAIL AND STREAM RESTORATION TABLE IN THE NOTES AND DETAILS WHERE RIP-RAP IS PROPOSED.
6. EROSION CONTROL BLANKET SHALL BE PLACED A MINIMUM OF 50 FEET FROM TOP OF BANK OR 100 FEET FROM TOP OF BANK FOR SPECIAL PROTECTION WATERS (HQ OR EV).
7. TIMBERMATS SHALL EXTEND A MINIMUM OF 20- FEET BEYOND TOP OF BANK.
8. COMPOST FILTER SOCK SHALL BE INSTALLED ALONG THE TOP OF BANK ACROSS THE RIGHT-OF-WAY WHEN PUMP BYPASS IS NOT IN PLACE.

LEGEND

1320	EXISTING 10' CONTOUR		LIMIT OF DISTURBANCE / AREA TO BE RESTORED
	EXISTING 2' CONTOUR		AASHTO #1 ROCK CONSTRUCTION ENTRANCE
	EXISTING TREE LINE		AASHTO #1 ROCK CONSTRUCTION ENTRANCE WITH WASH RACKS
	EXISTING FENCELINE		AGGREGATE STOCKPILE
	EXISTING STREAM WITH FLOW DIRECTION		WATER BAR
	EXISTING WATERSHED BOUNDARY		EROSION CONTROL BLANKET
	EXISTING ELECTRIC OVERHEAD		12" COMPOST FILTER SOCK 18" COMPOST FILTER SOCK 24" COMPOST FILTER SOCK
	EXISTING ELECTRIC UNDERGROUND		COMPOST SOCK SEDIMENT TRAP SILT FENCE
	EXISTING LIGHT POLE		SUPER SILT FENCE
	EXISTING WATER LINE		REINFORCED SILT FENCE
	EXISTING GAS LINE		TIMBER MATS / TEMPORARY EQUIPMENT BRIDGE
	EXISTING DOMINION GAS LINE		TRENCH PLUGS
	EXISTING SANITARY SEWER LINE		WATER DEFLECTOR
	EXISTING BUILDING		SOIL STOCKPILE
	PROPERTY LINE		AREA TO BE BORED HORIZONTAL DIRECTIONAL DRILL CONVENTIONAL BORE
	COUNTY BOUNDARY		SCREENED INLET
	TOWNSHIP BOUNDARY		PUMP
	100-YEAR FLOODWAY		ENERGY DISSIPATOR
	100-YEAR FEMA FLOODPLAIN		ROCK FILTER OUTLET
	WATERSHED BOUNDARY		SANDBAG DAM
	ORANGE CONSTRUCTION FENCE		PUMPED WATER FILTER BAG
	EXISTING PEM WETLAND		
	EXISTING PFO WETLAND		
	EXISTING PSS WETLAND		
	PROPOSED PIPE LOCATION		
	PROPOSED RIGHT-OF-WAY		
	RIPARIAN FOREST BUFFER		

DETAIL INDICATOR



NOTES:

1. STREAM RESTORATION CHANNEL DESIGN TABLE WITH STONE SIZING AND DETAIL PROVIDED IN UP FRONT SHEETS.
2. EROSION CONTROL BLANKET TYPICAL DETAIL PROVIDED ON ES-0.08.

REVISIONS			
NO.	BY	DATE	REMARKS

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA
PENNSYLVANIA PIPELINE PROJECT
CONSTRUCTION SPREAD 2

PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES
PADEP - SOUTHWEST REGION
INDIANA COUNTY CONSERVATION DISTRICT
CROSSINGS W-063, W-066, S-094, & S-096
RESTORATION PLAN

DATE:	11/04/16
PROJECT NO.:	112C05958
DESIGNED BY:	BH
DRAWN BY:	NN
CHECKED BY:	RS
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WL-063-B	
SHEET 1 OF 1	