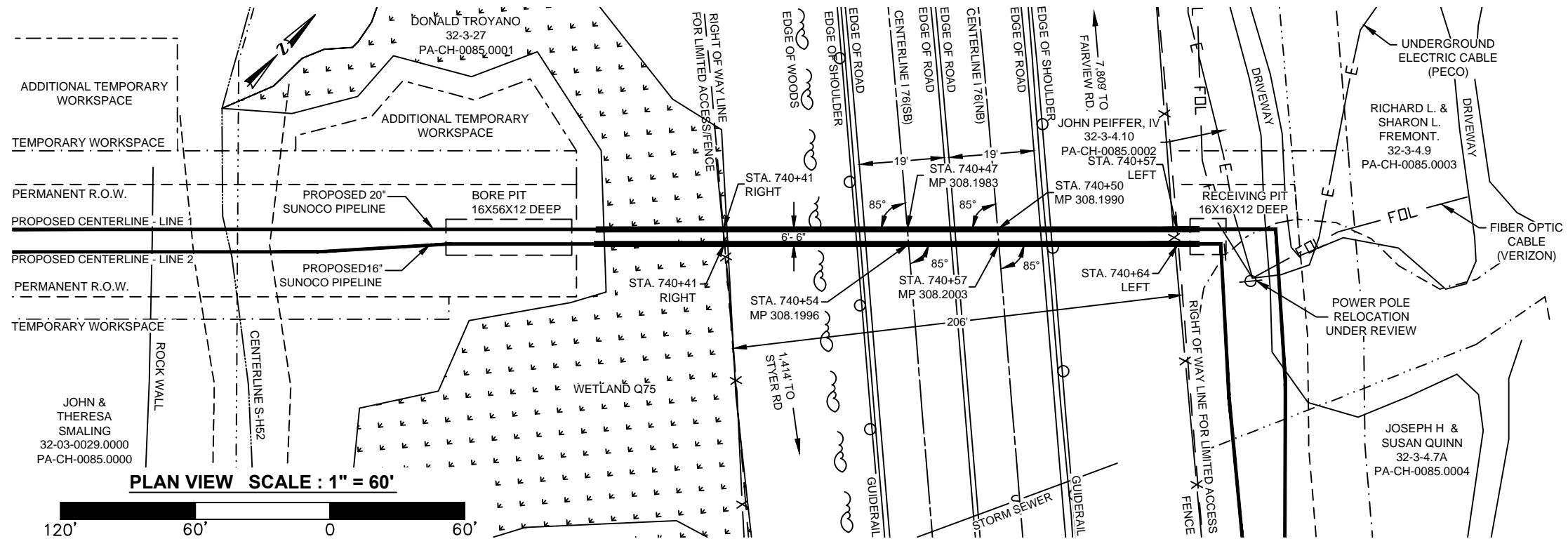
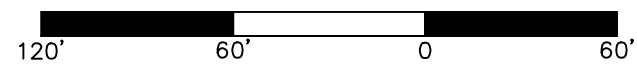


UPPER UWCHLAN TOWNSHIP, CHESTER COUNTY, PENNSYLVANIA

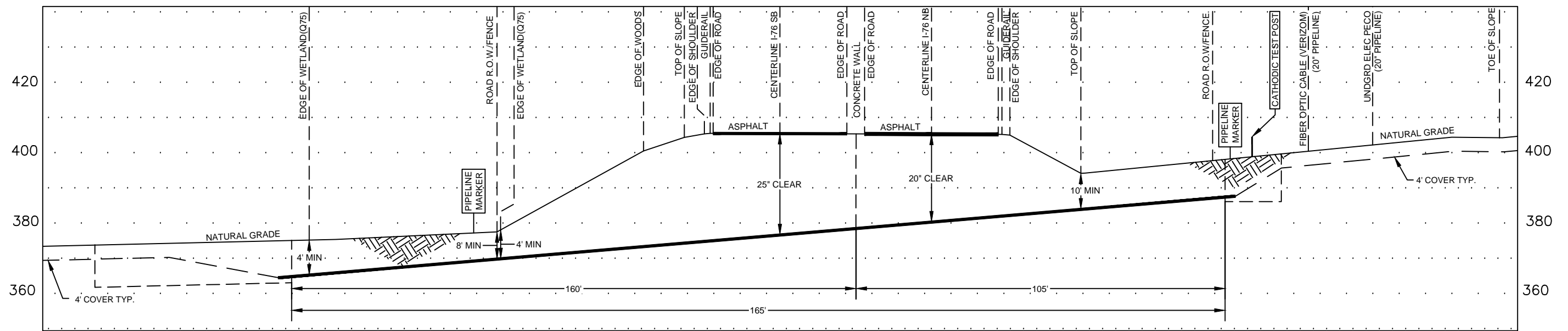


PLAN VIEW SCALE : 1" = 60'



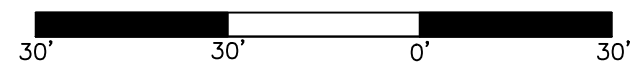
DRAWING LEGEND	
	PERMANENT R.O.W.
	ROAD R.O.W.
	PROPERTY LINE
	FENCE
	GUIDERRAIL
	CENTERLINE CREEK
	ADDITIONAL TEMPORARY WORKSPACE
	STORM SEWER
	EDGE OF WOODS
	FIBER OPTIC CABLE
	UNDERGROUND ELECTRIC CABLE

PENNSYLVANIA TPIKE / I 76



PROFILE

HORIZ. SCALE : 1" = 30'
VERT. SCALE : 1" = 30'



CONSTRUCTION NOTES
(APPLIES TO BOTH 16" & 20" PIPELINES)

- 20" WELDED STEEL PIPE 20" OD x .456 WT., X-65, API 5L, PSL2, ERW, BFW, DRL
- 16" WELDED STEEL PIPE 16" OD x .438 WT., X-70, API 5L, PSL2, ERW, BFW
- COATING: 14-16 MILS OF 3M SCOTCHKOTE TM 6233 FBE WITH 40 MILS MIN. DFT POWERCRETE R95
- DESIGN FACTOR: 0.50 (HOOP STRESS)
- DESIGN PSI: 1480 PSIG TEST PSI: 1850 PSIG
- THE COATING ON THE CARRIER PIPE SHALL BE INSPECTED IMMEDIATELY PRIOR TO ITS INSTALLATION AND ALL DAMAGED COATING SHALL BE REPAIRED IN ACCORDANCE WITH SUNOCO PIPELINE SPECIFICATIONS
- INSTALL CATHODIC PROTECTION TEST LEADS AS SPECIFIED ON THE ALIGNMENT SHEETS OR SUNOCO CORROSION TECHNICIAN
- WELDED JOINTS INSIDE R.O.W. SHALL BE 100% X-RAYED
- CONTRACTOR WILL MAINTAIN A MINIMUM 4' OF COVER TO THE TOP OF PIPE USING FIELD BENDS
- CONTRACTOR WILL MAINTAIN A MINIMUM 24" OF COVER FROM ALL EXISTING UTILITIES.
- IN ADDITION TO THE SITE SPECIFIC INFORMATION PROVIDED IN THIS DRAWING, GENERAL REQUIREMENTS INCLUDED IN ALIGNMENT SHEETS, PERMITS AND APPROVAL FROM FEDERAL, STATE, AND LOCAL AGENCIES ALSO APPLY.
- CONTRACTOR SHALL USE THE "ONE CALL" SYSTEM PRIOR TO BEGINNING WORK. CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE AND VERIFY ALL PARALLEL AND CROSSED UTILITIES PRIOR TO EXCAVATION OR CONSTRUCTION (AND MONITOR DURING EXCAVATION OR CONSTRUCTION). THIS DRAWING SHALL NOT CONSTITUTE VERIFICATION OF LOCATION, QUANTITY, SIZE, DEPTH, OR TYPES OF EXISTING UTILITIES.
- EMERGENCY CONTACT INFORMATION: SEE INCLUDED COMPANY INFORMATION
- SUNOCO PIPELINE, L.P. WILL BE AVAILABLE 24/7 FOR EMERGENCY AT 800-786-7440 IF SUCH A PROBLEM SHOULD ARISE.

COORDINATE SYSTEM
PENNSYLVANIA STATE PLANE SOUTH
NAD 83 US FEET

R.O.W. INGRESS
X=2534105.52
Y=282250.32

R.O.W. EGRESS
X=2534129.66
Y=282227.63

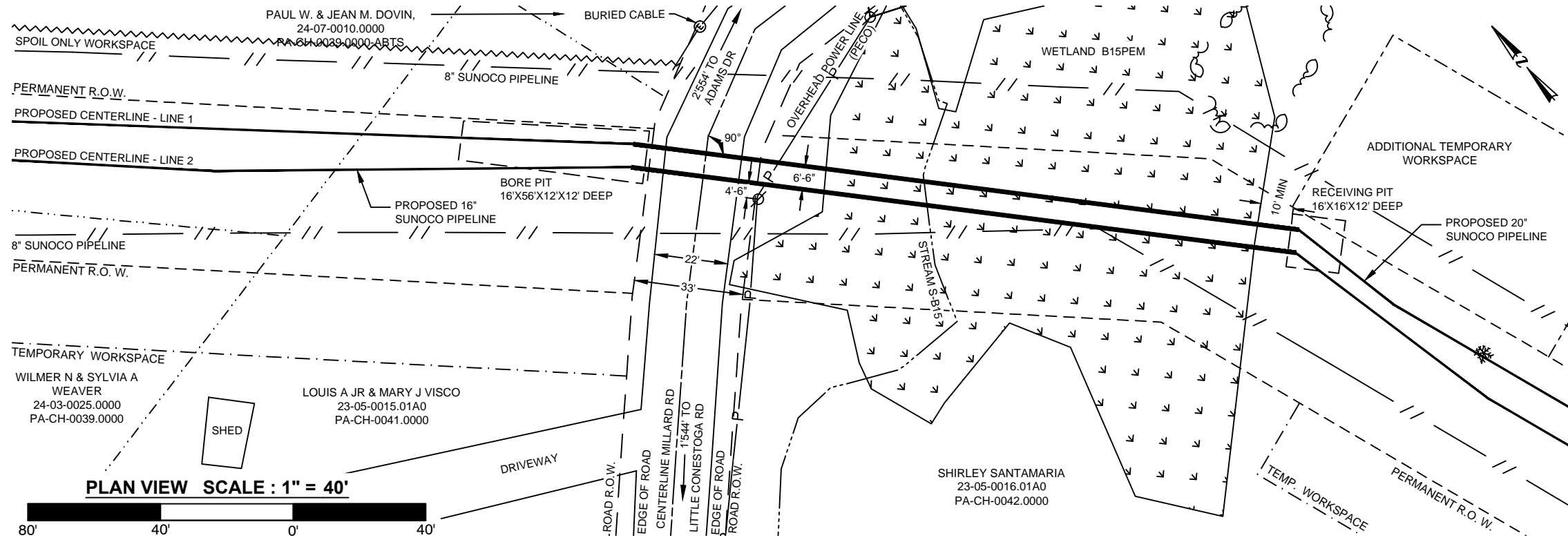
24/7 CONTACT INFO & PIPE MARKER INFO:

SUNOCO PIPELINE L.P.
525 FRITZTOWN ROAD
SINKING SPRING, PA 19608
PHONE NUMBER: 800-786-7440
NATURAL GAS LIQUIDS PIPELINE

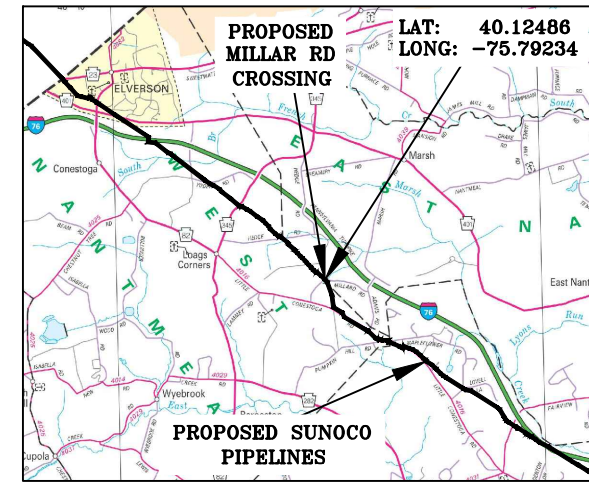
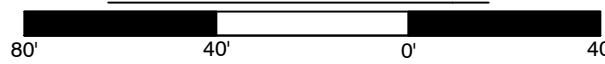
CENTERLINE REV DATE: 10-20-2016

SUNOCO		
PENNSYLVANIA TPIKE / I 76		
UPPER UWCHLAN TOWNSHIP, CHESTER COUNTY, PA		
10/12/15 REVISED	SCALE	
11/14/16	AS NOTED	DWG#:PPP-PA-CH-0085.0001-RD
Prepared by		TRICO SURVEYING AND MAPPING BLOOMINGTON, INDIANA
		9

WEST NANTMEAL TOWNSHIP, CHESTER COUNTY, PENNSYLVANIA



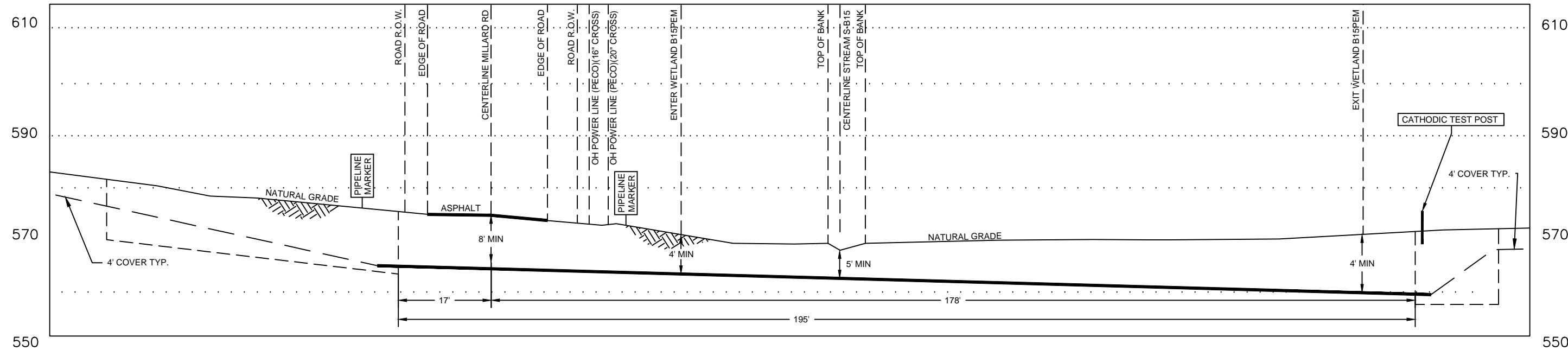
PLAN VIEW SCALE : 1" = 40'



DRAWING LEGEND

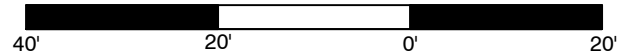
	PERMANENT R.O.W.
	TEMPORARY WORKSPACE
	ADDITIONAL TEMPORARY WORKSPACE
	SPOIL ONLY WORKSPACE
	EDGE OF WOODS
	ROAD R.O.W.
	BURIED CABLE
	PROPERTY LINE
	OVERHEAD POWER LINE
	CENTERLINE WATERWAY
	PIPELINE
	POWER POLE
	TREE

MILLARD ROAD



PROFILE

HORIZ. SCALE : 1" = 20'
VERT. SCALE : 1" = 20'



**CONSTRUCTION NOTES
(APPLIES TO BOTH 16" & 20" PIPELINES)**

- 20" WELDED STEEL PIPE 20" OD x .456 WT., X-65, API 5L, PSL2, ERW, BFW, DRL
- 16" WELDED STEEL PIPE 16" OD x .438 WT., X-70, API 5L, PSL2, ERW, BFW
- COATING: 14-16 MILS OF 3M SCOTCHKOTE TM 6233 FBE WITH 40 MILS MIN. DFT POWERCRETE R95
- DESIGN FACTOR: 0.50 (HOOP STRESS)
- DESIGN PSI: 1480 PSIG TEST PSI: 1850 PSIG
- THE COATING ON THE CARRIER PIPE SHALL BE INSPECTED IMMEDIATELY PRIOR TO ITS INSTALLATION AND ALL DAMAGED COATING SHALL BE REPAIRED IN ACCORDANCE WITH SUNOCO PIPELINE SPECIFICATIONS
- INSTALL CATHODIC PROTECTION TEST LEADS AS SPECIFIED ON THE ALIGNMENT SHEETS OR SUNOCO CORROSION TECHNICIAN
- WELDED JOINTS INSIDE R.O.W. SHALL BE 100% X-RAYED
- CONTRACTOR WILL MAINTAIN A MINIMUM 4' OF COVER TO THE TOP OF PIPE USING FIELD BENDS
- CONTRACTOR WILL MAINTAIN A MINIMUM 24" OF COVER FROM ALL EXISTING UTILITIES.
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COORDINATE SYSTEM

PENNSYLVANIA STATE PLANE SOUTH
NAD 83 US FEET

R.O.W. INGRESS
X=2515893.34
Y=294421.08

R.O.W. EGRESS
X=2515917.34
Y=294398.30

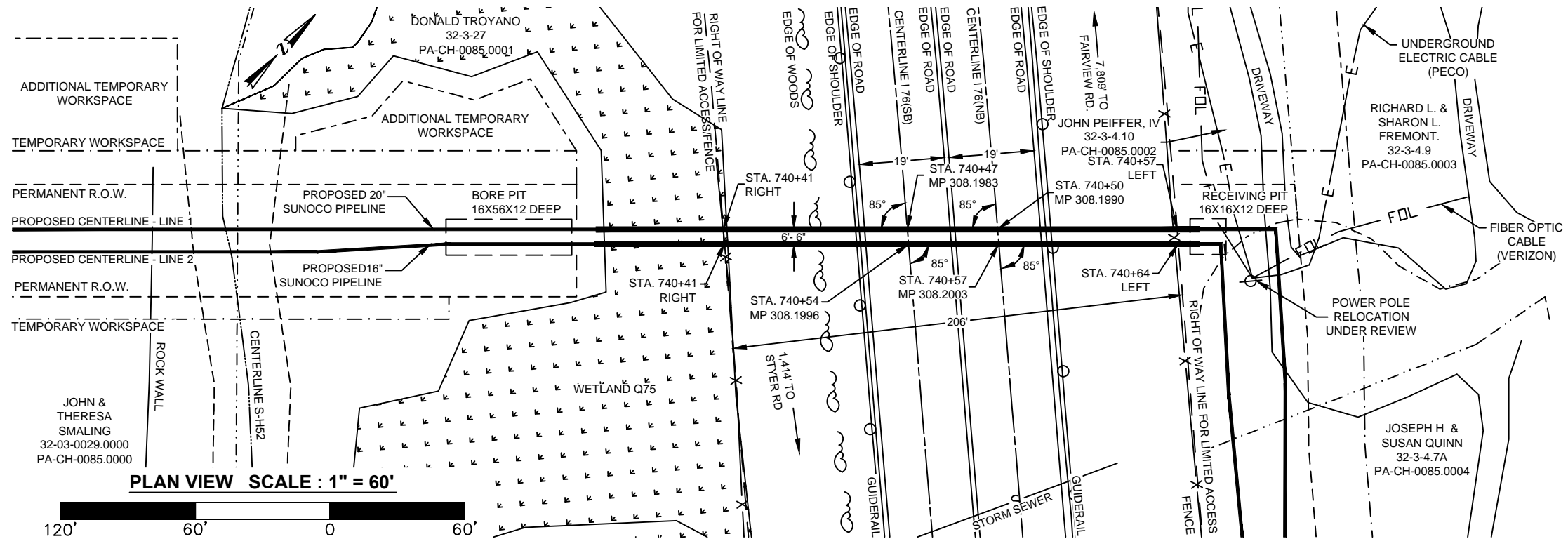
24/7 CONTACT INFO & PIPE MARKER INFO:

SUNOCO PIPELINE L.P.
525 FRITZTOWN ROAD
SINKING SPRING, PA 19608
PHONE NUMBER: 800-786-7440
NATURAL GAS PIPELINE

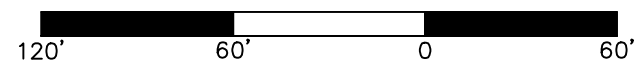
CENTERLINE REV DATE: 11-10-2016

SUNOCO	
MILLARD ROAD	
WEST NANTMEAL TOWNSHIP, CHESTER CO., PA	
05/29/15 REVISED	SCALE AS NOTED
11/18/16	DWG#: PA-CH-0041.0000-RD
Prepared by 	TRICO SURVEYING AND MAPPING BLOOMINGTON, INDIANA WWW.TRICOSURVEYING.COM
8	

UPPER UWCHLAN TOWNSHIP, CHESTER COUNTY, PENNSYLVANIA

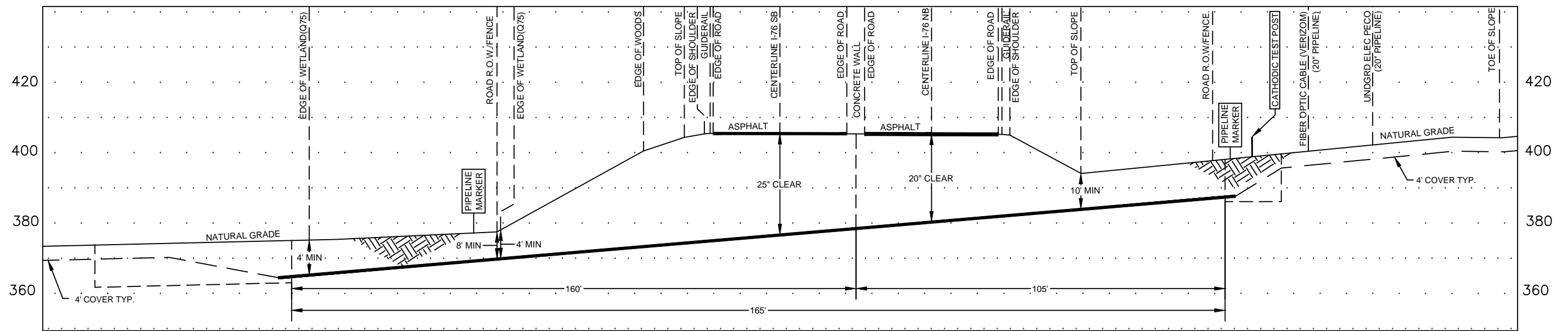


PLAN VIEW SCALE : 1" = 60'



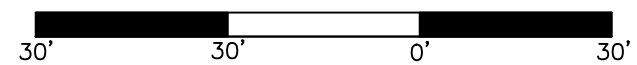
DRAWING LEGEND	
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	ADDITIONAL TEMPORARY WORKSPACE
	STORM SEWER
	EDGE OF WOODS
	FIBER OPTIC CABLE
	UNDERGROUND ELECTRIC CABLE

PENNSYLVANIA TPIKE / I 76



PROFILE

HORIZ. SCALE : 1" = 30'
VERT. SCALE : 1" = 30'



CONSTRUCTION NOTES
(APPLIES TO BOTH 16" & 20" PIPELINES)

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PENNSYLVANIA STATE PLANE SOUTH
NAD 83 US FEET

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CENTERLINE REV DATE: 10-20-2016

SUNOCO		
PENNSYLVANIA TPIKE / I 76		
UPPER UWCHLAN TOWNSHIP, CHESTER COUNTY, PA		
10/12/15 REVISED	SCALE	
11/14/16	AS NOTED	DWG#:PPP-PA-CH-0085.0001-RD
Prepared by		TRICO SURVEYING AND MAPPING BLOOMINGTON, INDIANA
		9