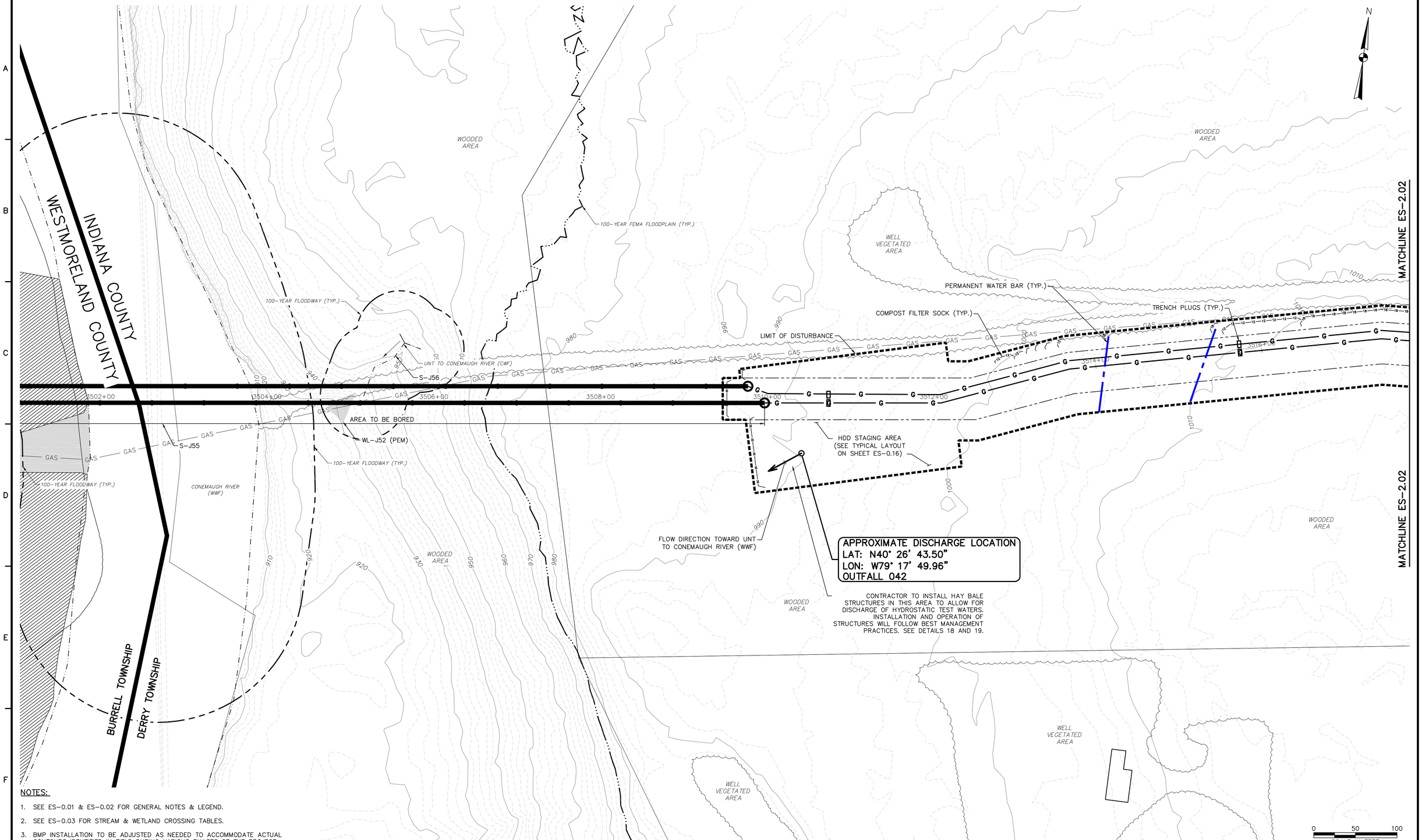

NOTES:

1. SEE ES-0.01 & ES-0.02 FOR GENERAL NOTES & LEGEND.
2. SEE ES-0.03 FOR STREAM & WETLAND CROSSING TABLES.
3. BMP INSTALLATION TO BE ADJUSTED AS NEEDED TO ACCOMMODATE ACTUAL CONTOURS IDENTIFIED IN FIELD DURING VARIOUS PHASES OF THE PROJECT.

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REVISIONS

NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA – REGISTERED PROFESSIONAL ENGINEER – ROBERT F. SIMCIK – PE-036316-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT
EROSION & SEDIMENT CONTROL &
SITE RESTORATION PLAN
SHEET 1 OF 62

DATE:	NOVEMBER 2016
PROJECT NO.:	112C05958
DESIGNED BY:	JB
DRAWN BY:	BH
CHECKED BY:	RS

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SHEET 2.01 OF 89

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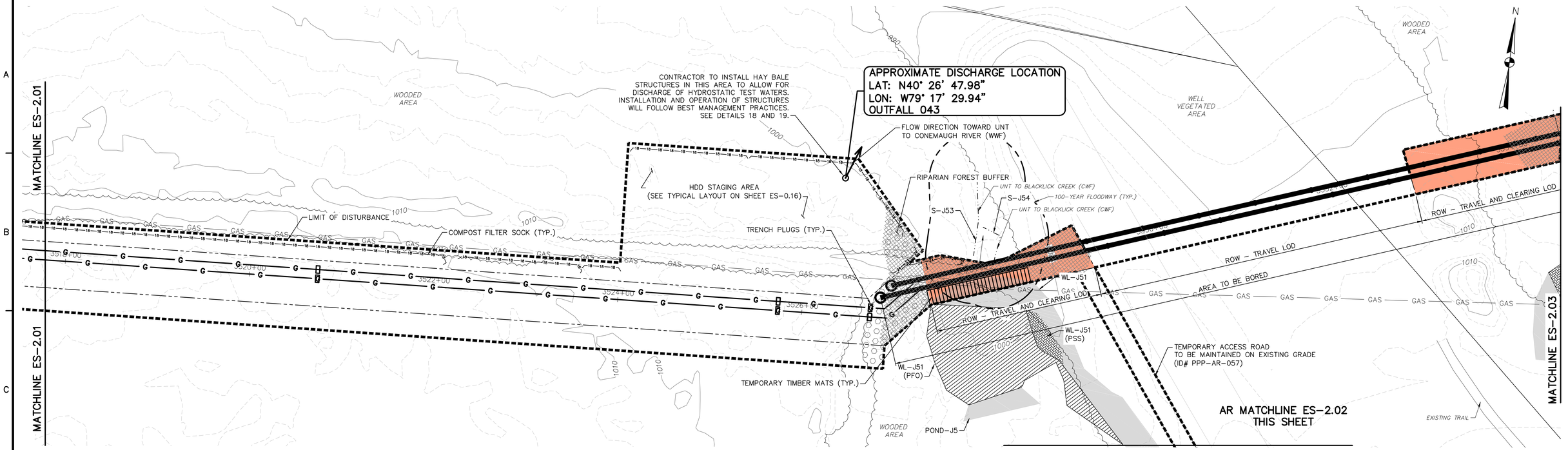

NOTES:

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REVISIONS

NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ROBERT F. SIMCIK ENGINEER PE-059436-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT
EROSION & SEDIMENT CONTROL &
SITE RESTORATION PLAN
SHEET 2 OF 62

DATE:	NOVEMBER 2016
PROJECT NO.:	112C05958
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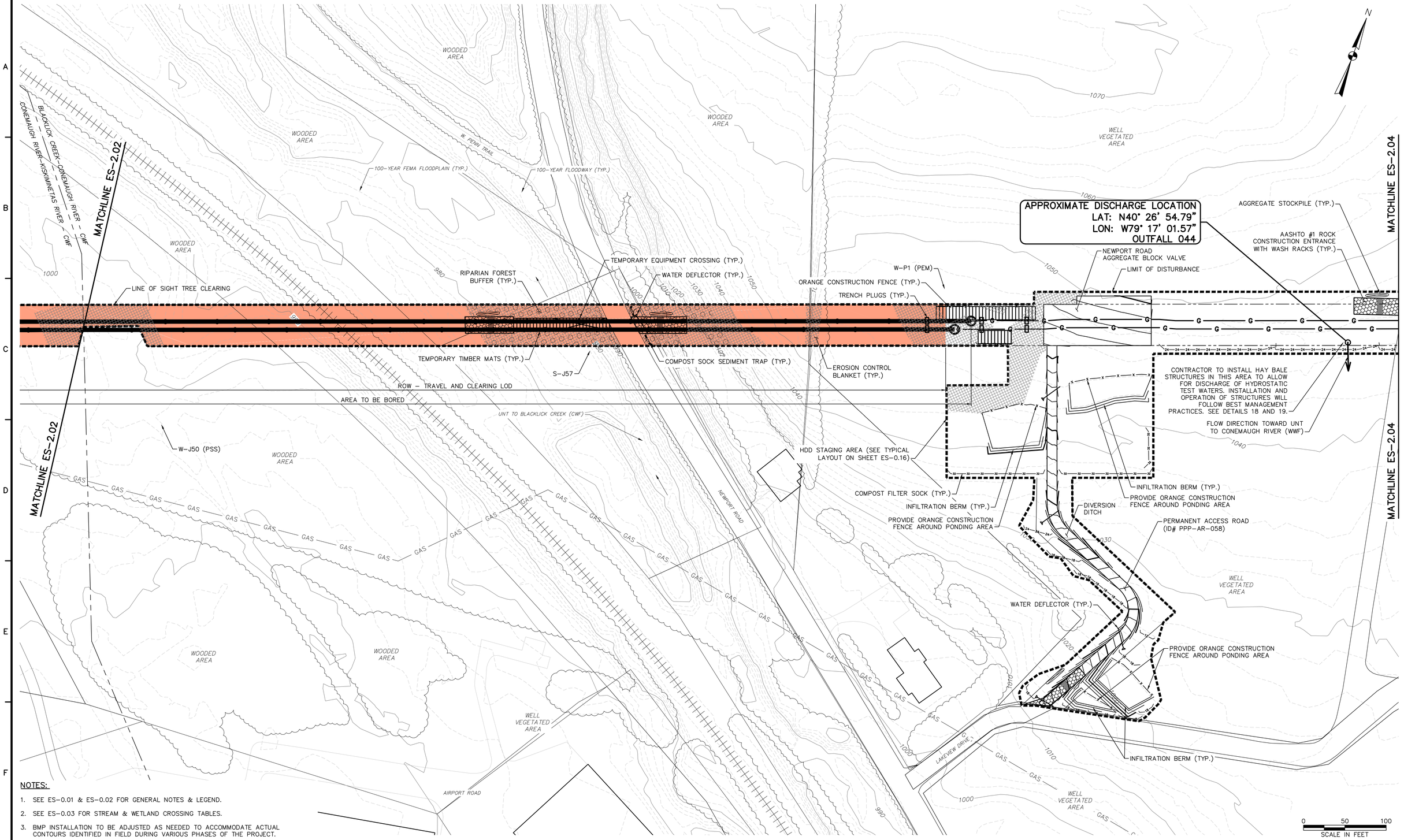

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REVISIONS

NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ROBERT F. SIMCIK ENGINEER PE-039435-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 3 OF 62

DATE:	NOVEMBER 2016
PROJECT NO.:	112C05958
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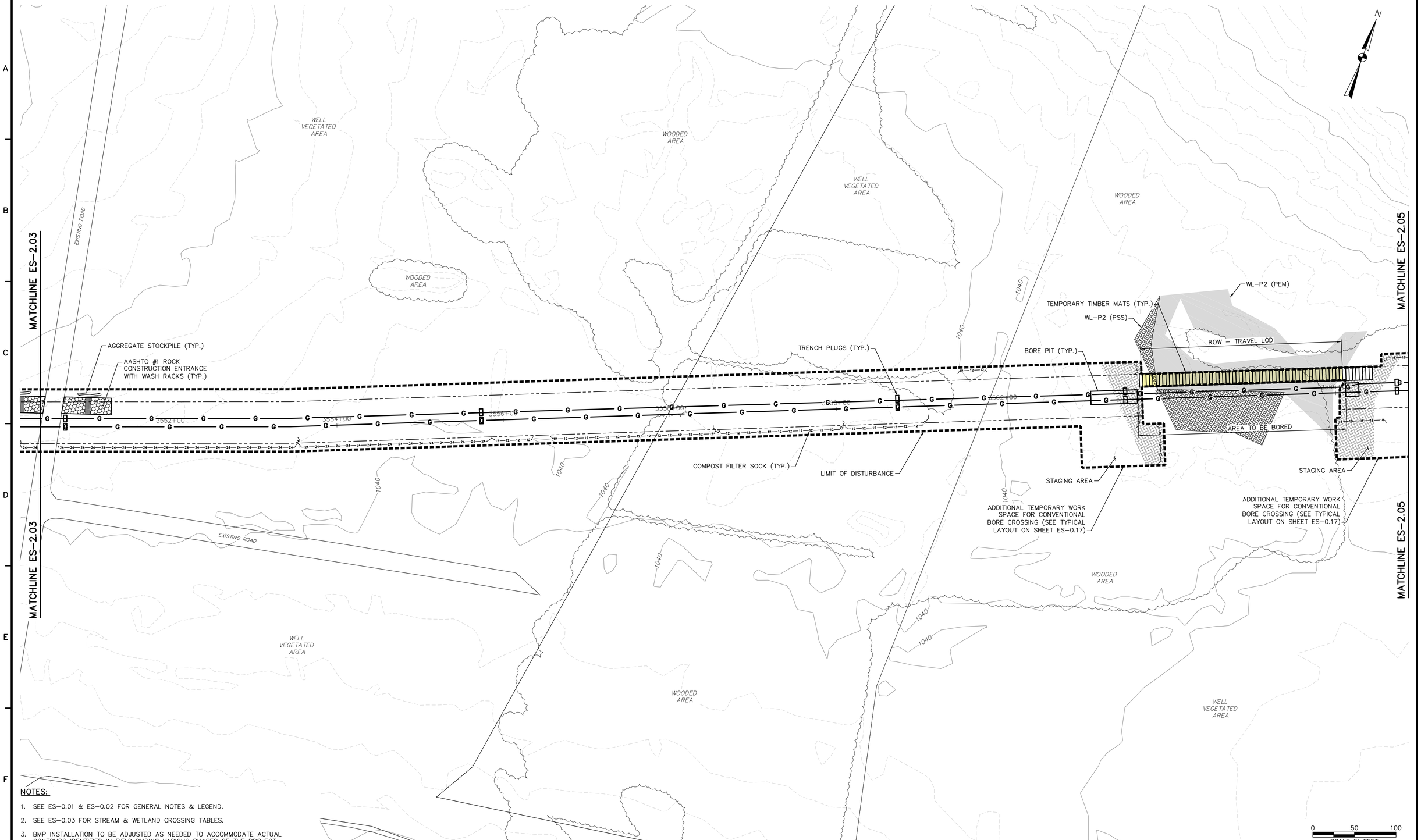

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REVISIONS

NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER ROBERT F. SIMCIK

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT
EROSION & SEDIMENT CONTROL &
SITE RESTORATION PLAN
SHEET 4 OF 62

DATE:	NOVEMBER 2016
PROJECT NO.:	112C05958
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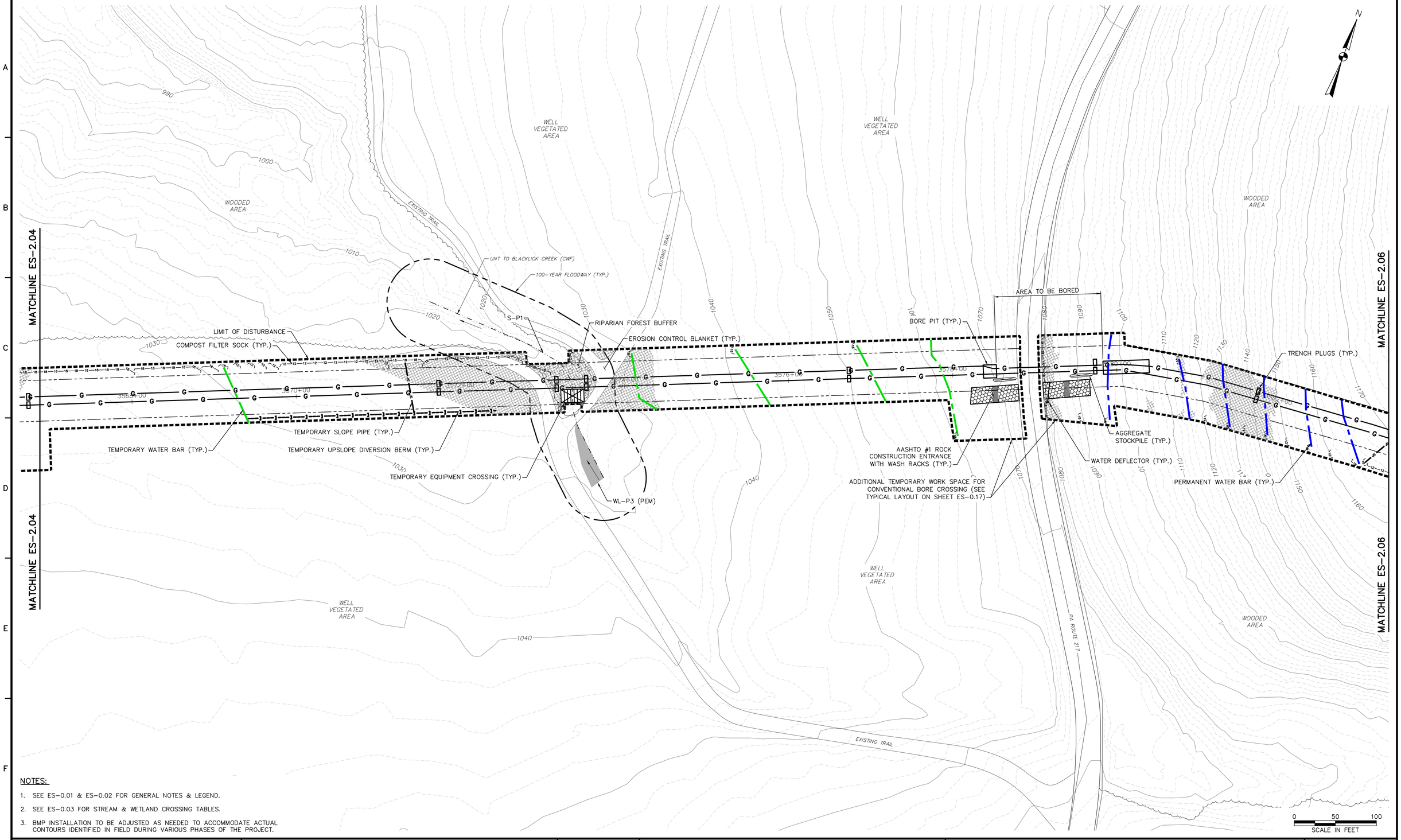

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REVISIONS

NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER ROBERT F. SIMCIK PE-059436-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 5 OF 62

DATE:	NOVEMBER 2016
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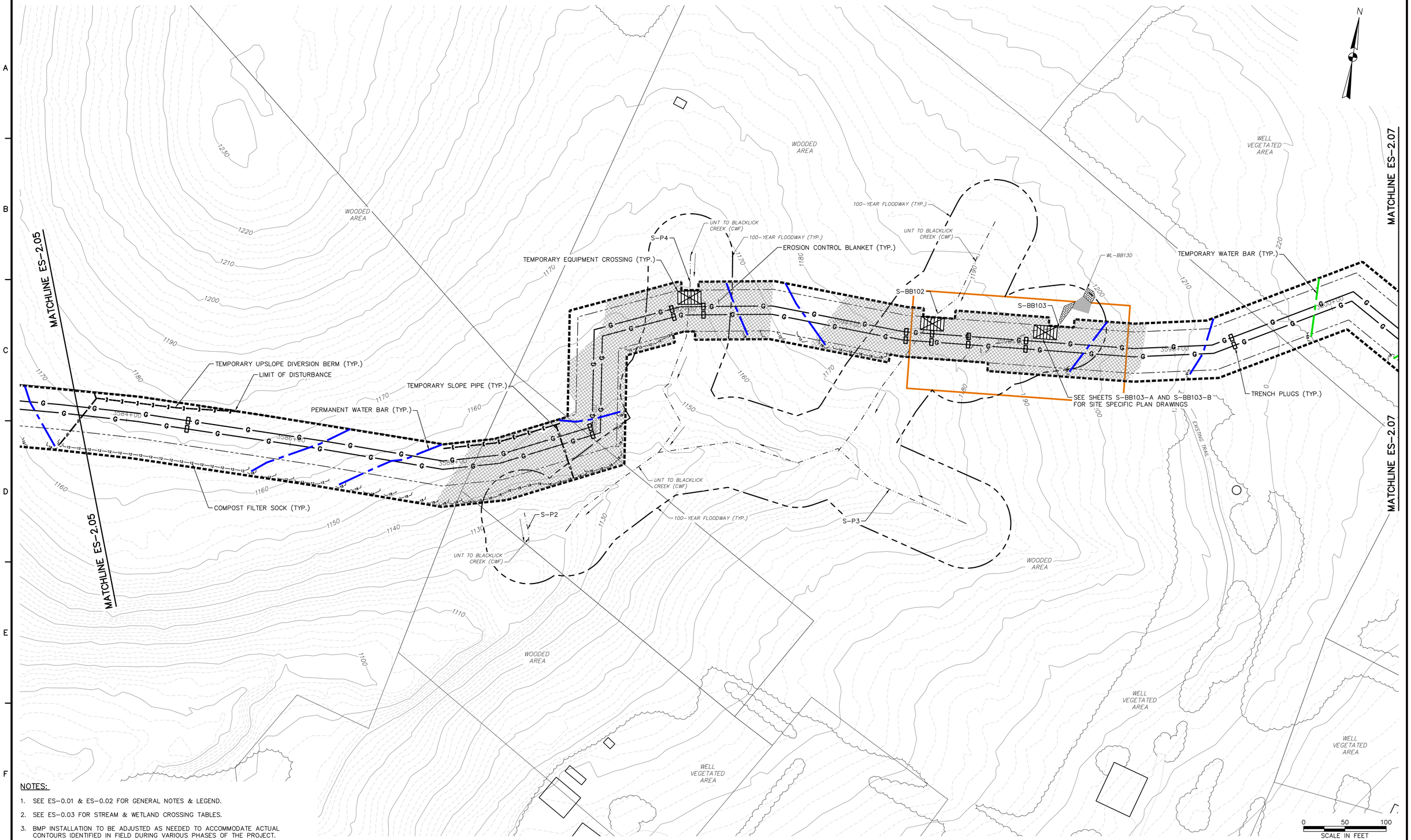

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REVISIONS

NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER ROBERT F. SIMCIK

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT
CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT
EROSION & SEDIMENT CONTROL &
SITE RESTORATION PLAN
SHEET 6 OF 62

DATE:	NOVEMBER 2016
PROJECT NO.:	112C05958
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MATCHLINE ES-2.06

MATCHLINE ES-2.08

BLACKLICK CREEK - CONEMAUGH RIVER CWF

CONEMAUGH RIVER - KISKIMINETAS RIVER WWF

EXISTING TRAIL

WELL VEGETATED AREA

WOODED AREA

TRENCH PLUGS (TYP.)

LIMIT OF DISTURBANCE

COMPOST FILTER SOCK (TYP.)

TEMPORARY WATER BAR (TYP.)

UNT TO CONEMAUGH RIVER (CWF)

100-YEAR FLOODWAY (TYP.)

WL-CC30 (PEM)

S-P5

TEMPORARY TIMBER MATS (TYP.)

TEMPORARY EQUIPMENT CROSSING (TYP.)

EROSION CONTROL BLANKET (TYP.)

RIPARIAN FOREST BUFFER

ORANGE CONSTRUCTION FENCE (TYP.)

WL-P4 (PEM)

MATCHLINE ES-2.08

0 50 100

SCALE IN FEET

NOTES:

1. SEE ES-0.01 & ES-0.02 FOR GENERAL NOTES & LEGEND.
2. SEE ES-0.03 FOR STREAM & WETLAND CROSSING TABLES.
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REVISIONS

NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ROBERT F. SIMCIK ENGINEER PE-038435-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 7 OF 62

DATE:	NOVEMBER 2016
PROJECT NO.:	112C05958
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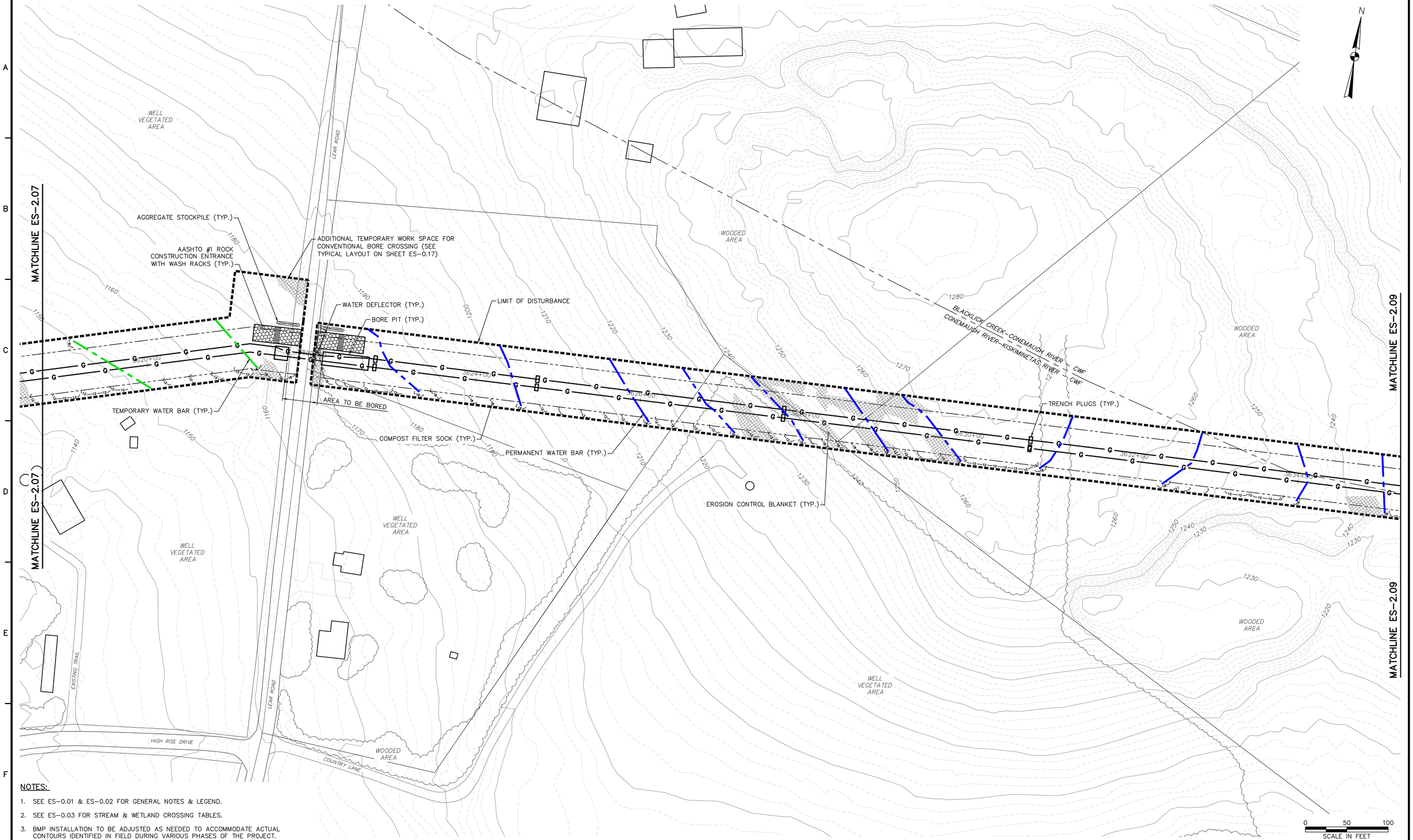

NOTES:

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2. SEE ES-0.03 FOR STREAM & WETLAND CROSSING TABLES.
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REVISIONS

NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ROBERT F. SIMCIK ENGINEER PE-090488-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 8 OF 62

DATE:	NOVEMBER 2016
PROJECT NO.:	112C05958
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MATCHLINE ES-2.08

MATCHLINE ES-2.10

LIMIT OF DISTURBANCE

COMPOST FILTER SOCK (TYP.)

PERMANENT WATER BAR (TYP.)

TRENCH PLUGS (TYP.)

EROSION CONTROL BLANKET (TYP.)

WOODED AREA

WELL VEGETATED AREA

EXISTING TRAIL

COUNTRY LANE

EXISTING DRIVEWAY

CONEMAUGH RIVER – WWF – KISKIMINETAS RIVER

BLACKLICK CREEK – CWF – CONEMAUGH RIVER

N

0 50 100

SCALE IN FEET

NOTES:

1. SEE ES-0.01 & ES-0.02 FOR GENERAL NOTES & LEGEND.
2. SEE ES-0.03 FOR STREAM & WETLAND CROSSING TABLES.
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REVISIONS

NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA – REGISTERED PROFESSIONAL – ROBERT F. SIMCIK – ENGINEER – 049040 – 6/1/2016

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT
EROSION & SEDIMENT CONTROL &
SITE RESTORATION PLAN
SHEET 9 OF 62

DATE:	NOVEMBER 2016
PROJECT NO.:	112C05958
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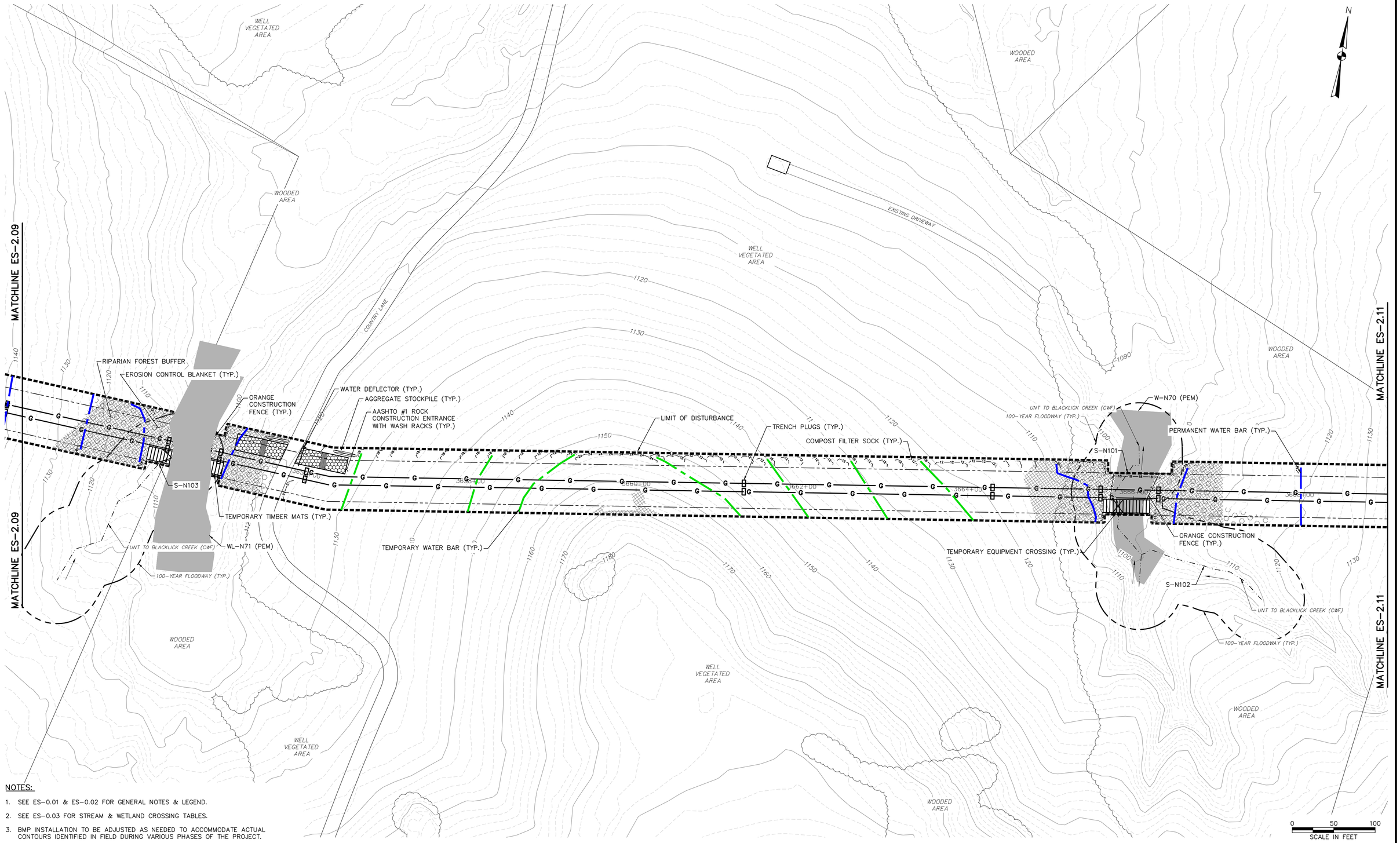

NOTES:

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REVISIONS

NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
ROBERT F. SIMCIK
ENGINEER
PE-039636-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 10 OF 62

DATE:	NOVEMBER 2016
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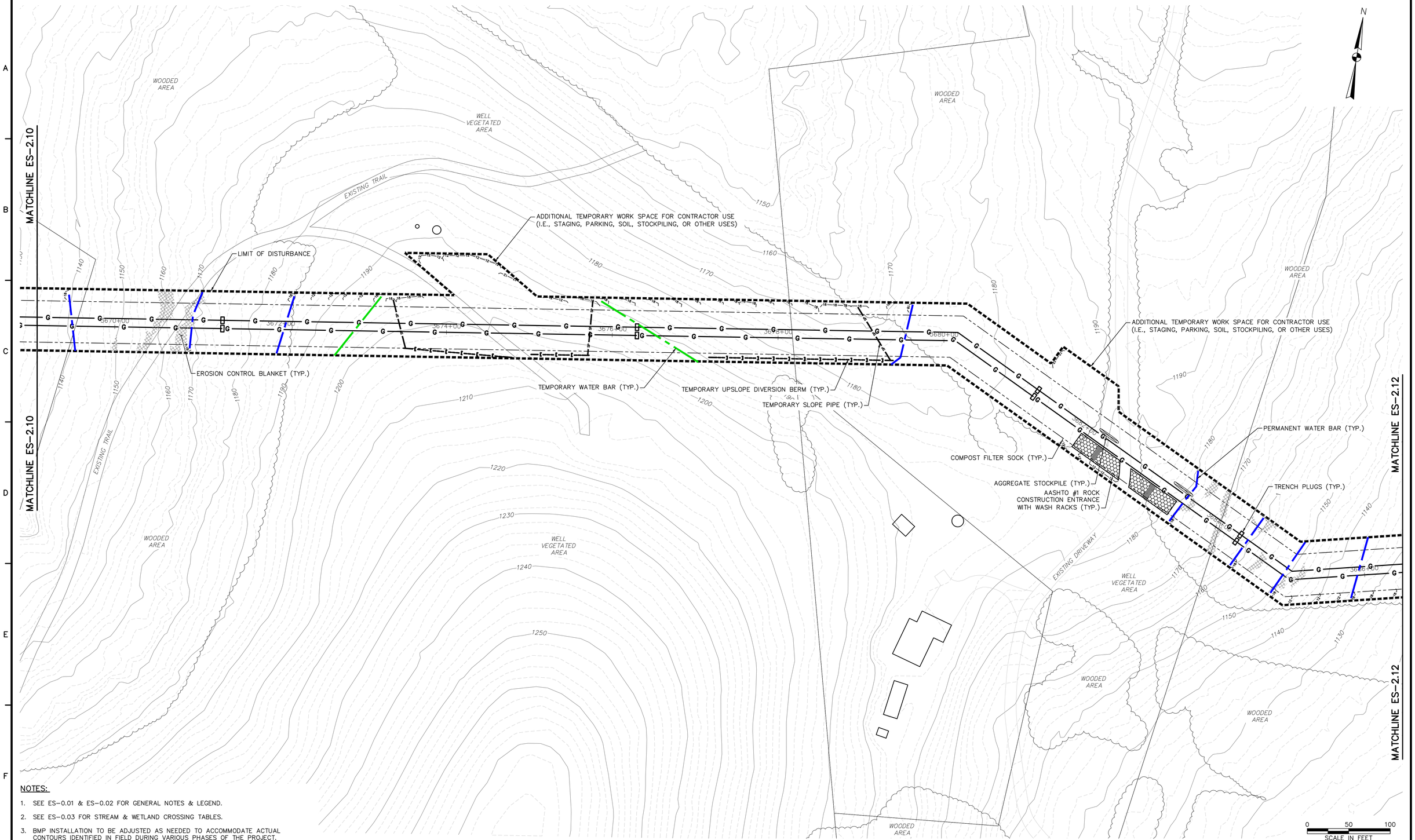

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REVISIONS

NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA – REGISTERED PROFESSIONAL ENGINEER – ROBERT F. SIMCIK – PE-080436-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 11 OF 62

DATE:	NOVEMBER 2016
PROJECT NO.:	112C05958
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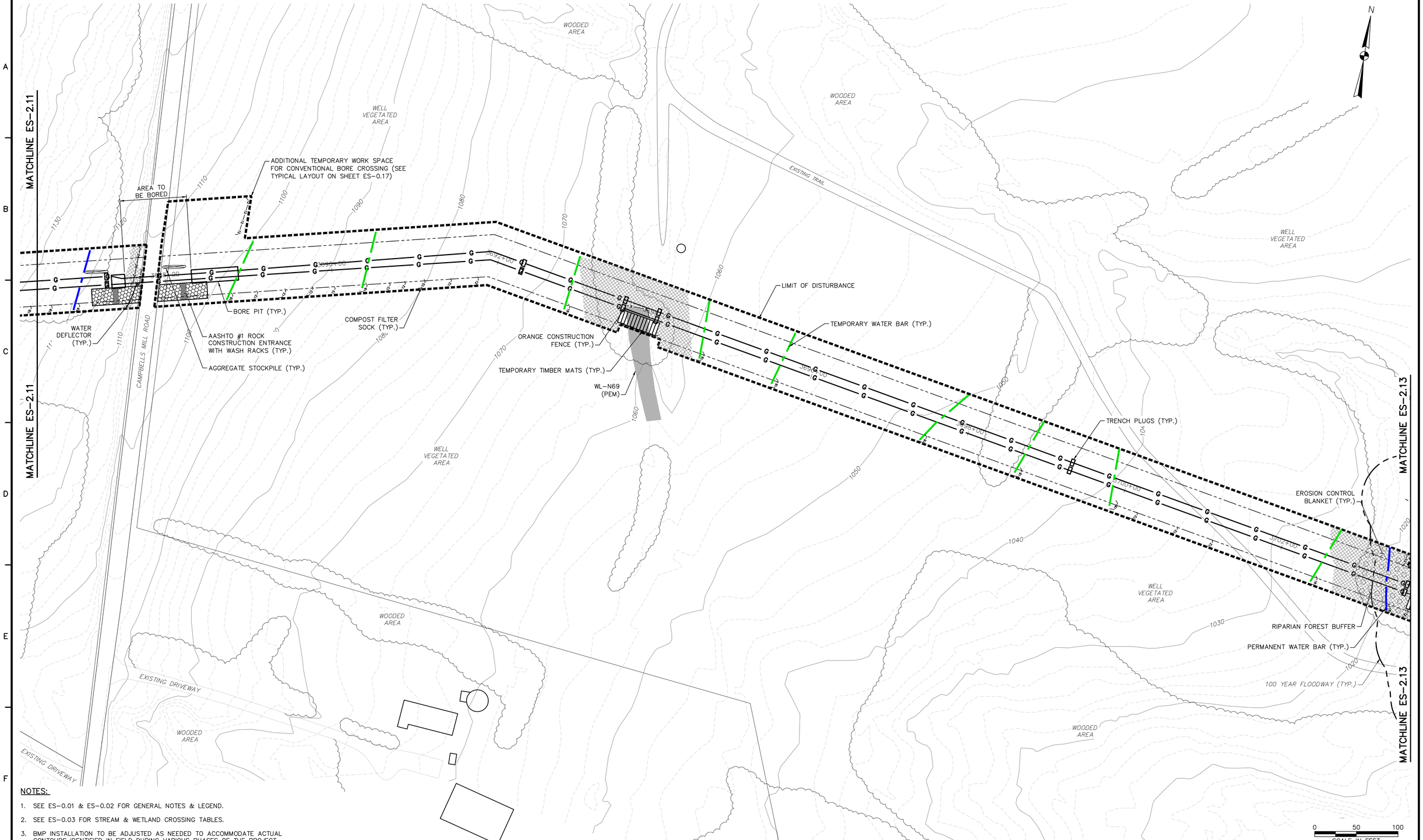

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REVISIONS

NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ROBERT F. SIMCIK ENGINEER PE-036408-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT
EROSION & SEDIMENT CONTROL &
SITE RESTORATION PLAN
SHEET 12 OF 62

DATE:	NOVEMBER 2016
PROJECT NO.:	112C05958
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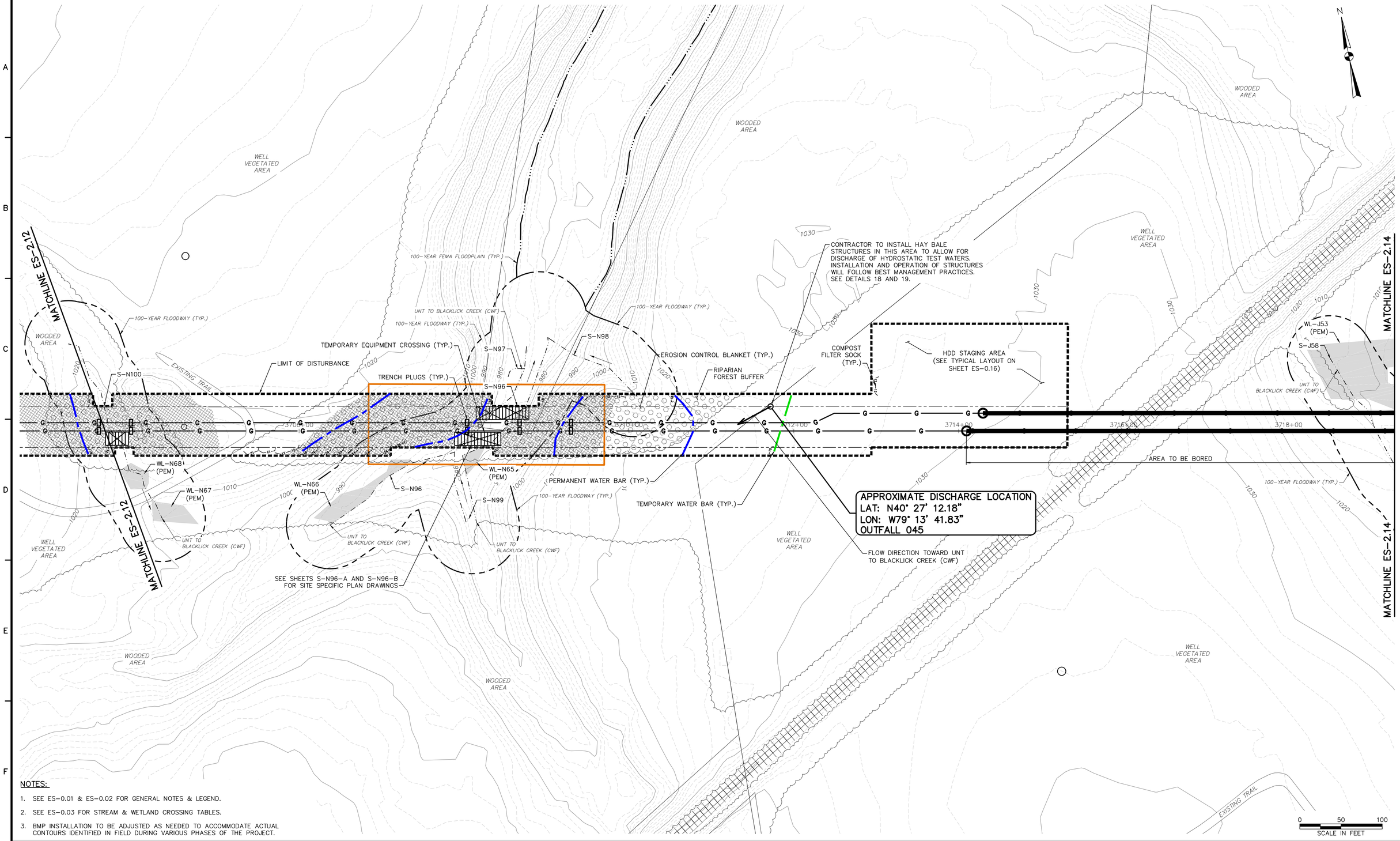

NOTES:

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REVISIONS

NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER ROBERT F. SIMCIK PE-039436-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 13 OF 62

DATE:	NOVEMBER 2016
PROJECT NO.:	112C05958
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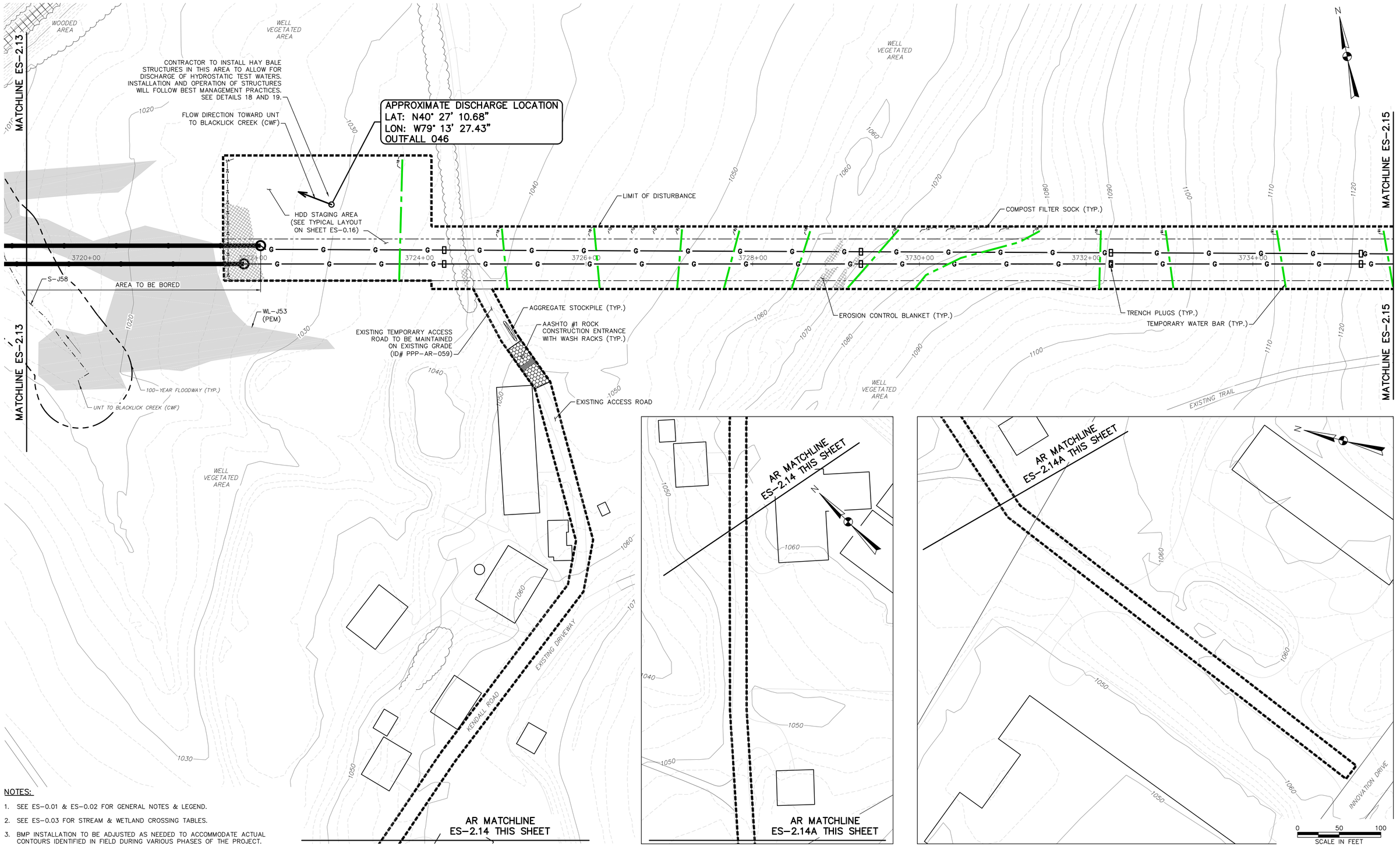

NOTES:

1. SEE ES-0.01 & ES-0.02 FOR GENERAL NOTES & LEGEND.
2. SEE ES-0.03 FOR STREAM & WETLAND CROSSING TABLES.
3. BMP INSTALLATION TO BE ADJUSTED AS NEEDED TO ACCOMMODATE ACTUAL CONTOURS IDENTIFIED IN FIELD DURING VARIOUS PHASES OF THE PROJECT.

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REVISIONS

NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — ROBERT F. SIMCIK — ENGINEER — PE-036436-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT
EROSION & SEDIMENT CONTROL &
SITE RESTORATION PLAN
SHEET 14 OF 62

DATE:	NOVEMBER 2016
PROJECT NO.:	112C05958
DESIGNED BY:	JB
DRAWN BY:	BH
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ES-2.14
SHEET 2.14 OF 89

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SEE MATCHLINE ES–2.15B THIS SHEET

SEE MATCHLINE ES–2.15A THIS SHEET

APPROXIMATE DISCHARGE LOCATION
LAT: N40° 27' 18.69"
LON: W79° 13' 03.87"
OUTFALL 064

CONTRACTOR TO INSTALL HAY BALE STRUCTURES IN THIS AREA TO ALLOW FOR DISCHARGE OF HYDROSTATIC TEST WATERS. INSTALLATION AND OPERATION OF STRUCTURES WILL FOLLOW BEST MANAGEMENT PRACTICES. SEE DETAILS 18 AND 20.

FLOW DIRECTION TOWARD BLACKLICK CREEK (TSF)

HDD PULL BACK

HDD PULL BACK

SEE MATCHLINE ES–2.15B THIS SHEET

SEE MATCHLINE ES–2.15A THIS SHEET

SEE MATCHLINE ES–2.15A THIS SHEET

HDD STAGING AREA (SEE TYPICAL LAYOUT ON SHEET ES–0.16)

FLOW DIRECTION TOWARD BLACKLICK CREEK (TSF)

APPROXIMATE DISCHARGE LOCATION
LAT: N40° 27' 13.18"
LON: W79° 12' 55.10"
OUTFALL 047

HDD STAGING AREA

CONTRACTOR TO INSTALL HAY BALE STRUCTURES IN THIS AREA TO ALLOW FOR DISCHARGE OF HYDROSTATIC TEST WATERS. INSTALLATION AND OPERATION OF STRUCTURES WILL FOLLOW BEST MANAGEMENT PRACTICES. SEE DETAILS 18 AND 19.

AREA TO BE BORED

LIMIT OF DISTURBANCE

COMPOST FILTER SOCK (TYP.)

TEMPORARY WATER BAR (TYP.)

TRENCH PLUGS (TYP.)

MATCHLINE ES–2.14

MATCHLINE ES–2.16

MATCHLINE ES–2.16

WELL VEGETATED AREA

WOODED AREA

EXISTING DRIVEWAY

100–YEAR FLOODWAY (TYP.)

UNT TO WEIRS RUN (CWF)

WL–N62 (PEM)

WL–N64 (PEM)

S–N95

S–N94

NOTES:

1. SEE ES–0.01 & ES–0.02 FOR GENERAL NOTES & LEGEND.
2. SEE ES–0.03 FOR STREAM & WETLAND CROSSING TABLES.
3. BMP INSTALLATION TO BE ADJUSTED AS NEEDED TO ACCOMMODATE ACTUAL CONTOURS IDENTIFIED IN FIELD DURING VARIOUS PHASES OF THE PROJECT.

SCALE IN FEET

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NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL ENGINEER — ROBERT F. SIMCIK — PE-036436-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1–16" & 1–20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 15 OF 62

DATE:	NOVEMBER 2016
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ES–2.15
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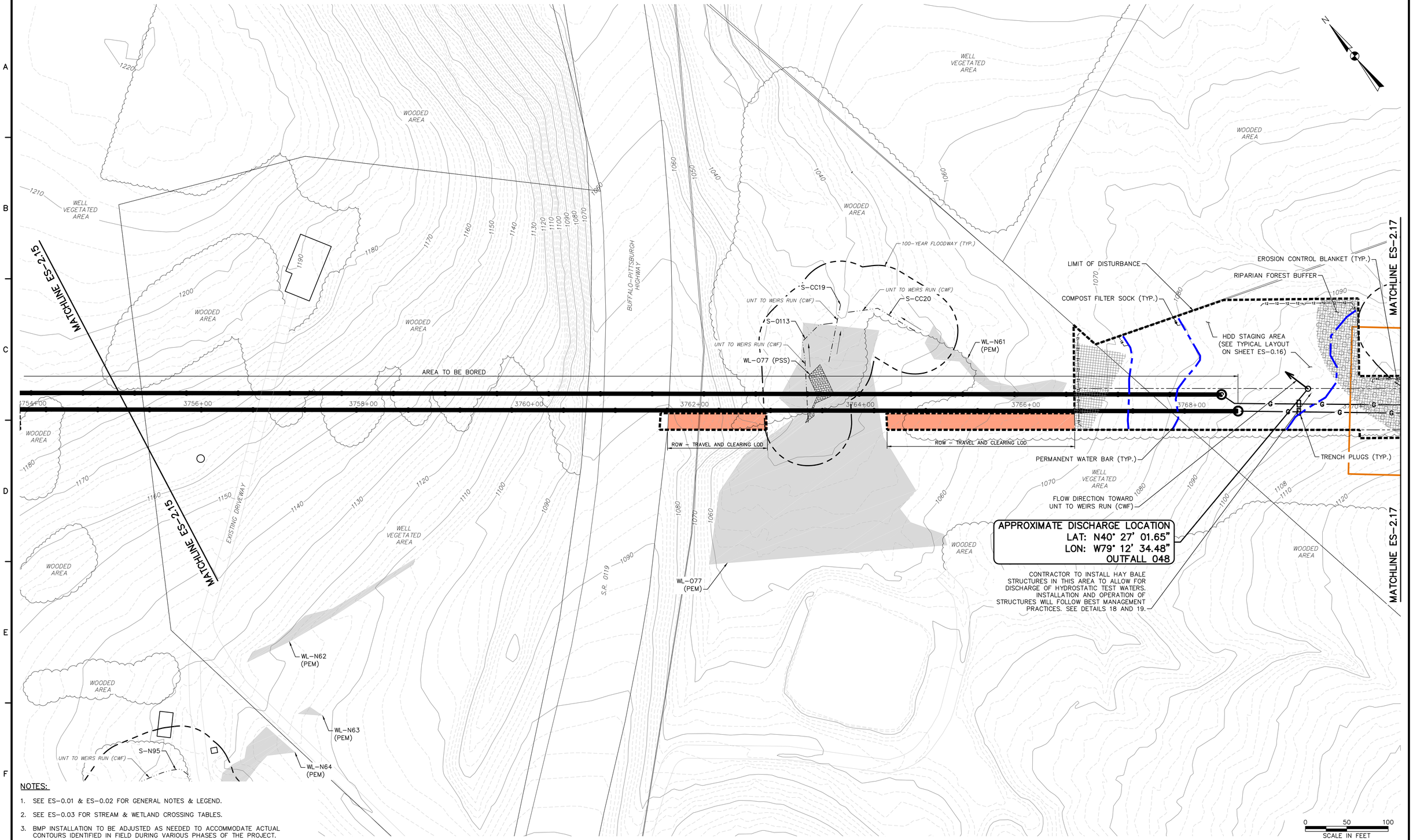

NOTES:

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REVISIONS

NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER ROBERT F. SIMCIK PE-059435-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 16 OF 62

DATE:	NOVEMBER 2016
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ES-2.16
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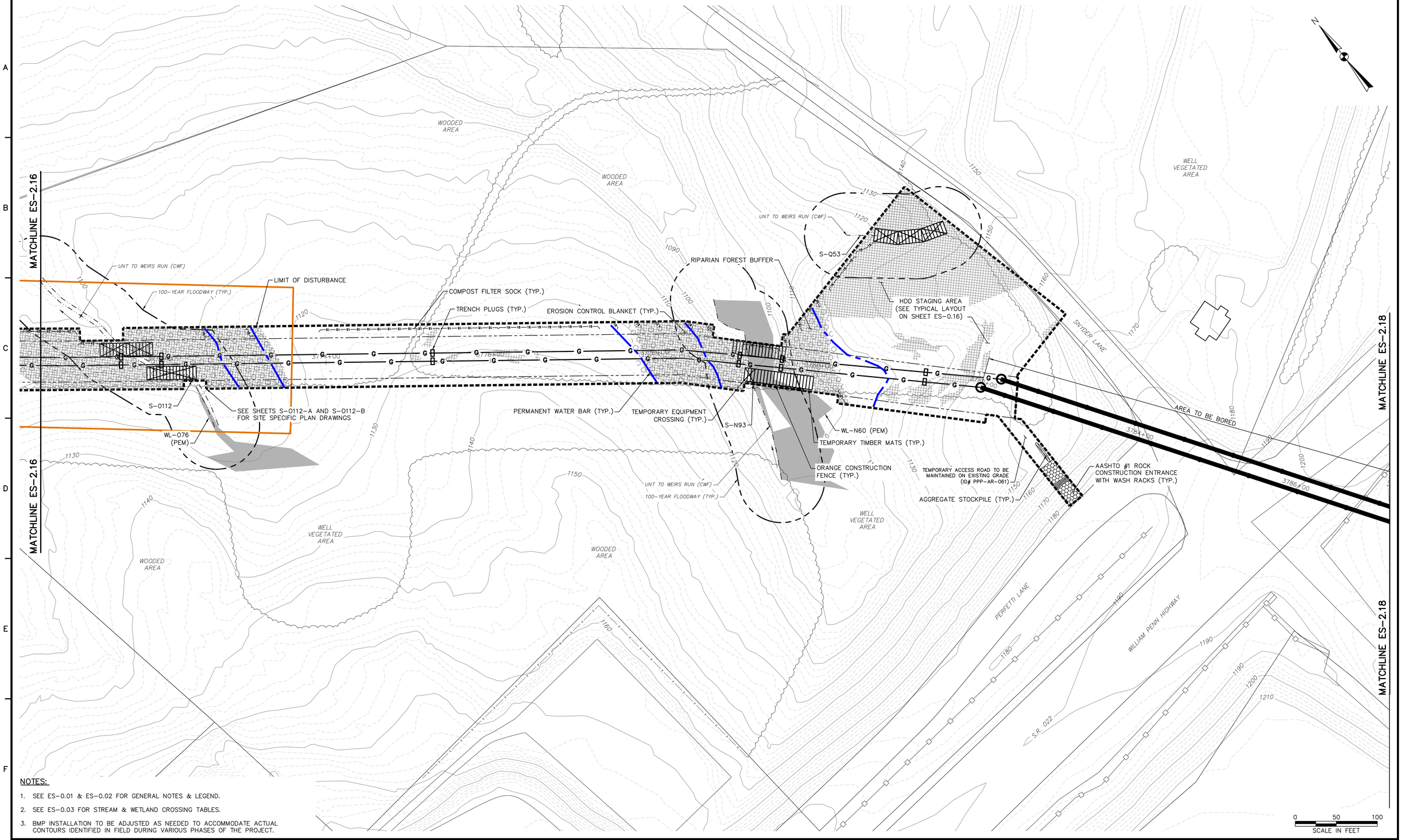

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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER ROBERT F. SIMCIK PE-080436-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 17 OF 62

DATE:	NOVEMBER 2016
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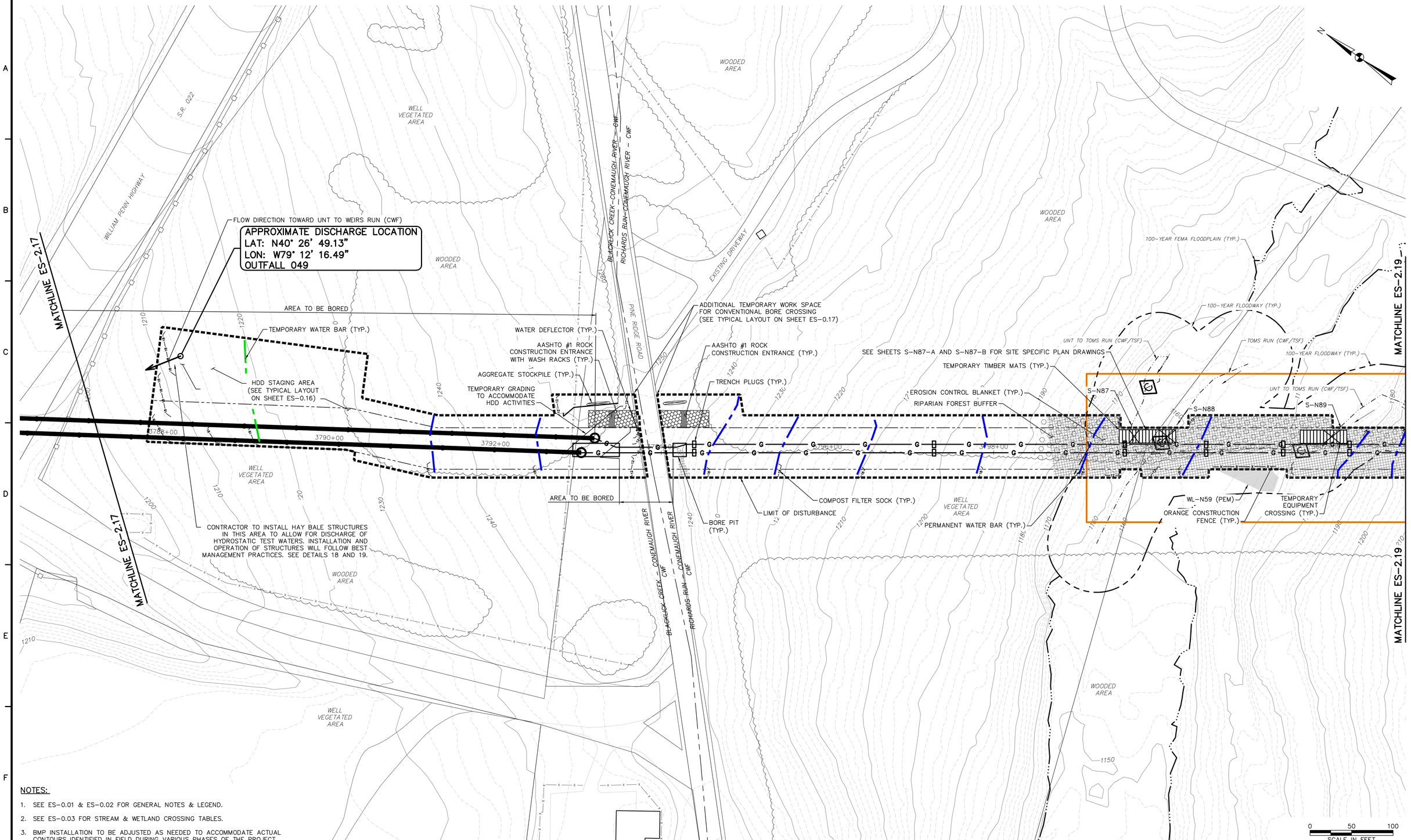

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NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ROBERT F. SIMCIK ENGINEER PE-059436-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 18 OF 62

DATE:	NOVEMBER 2016
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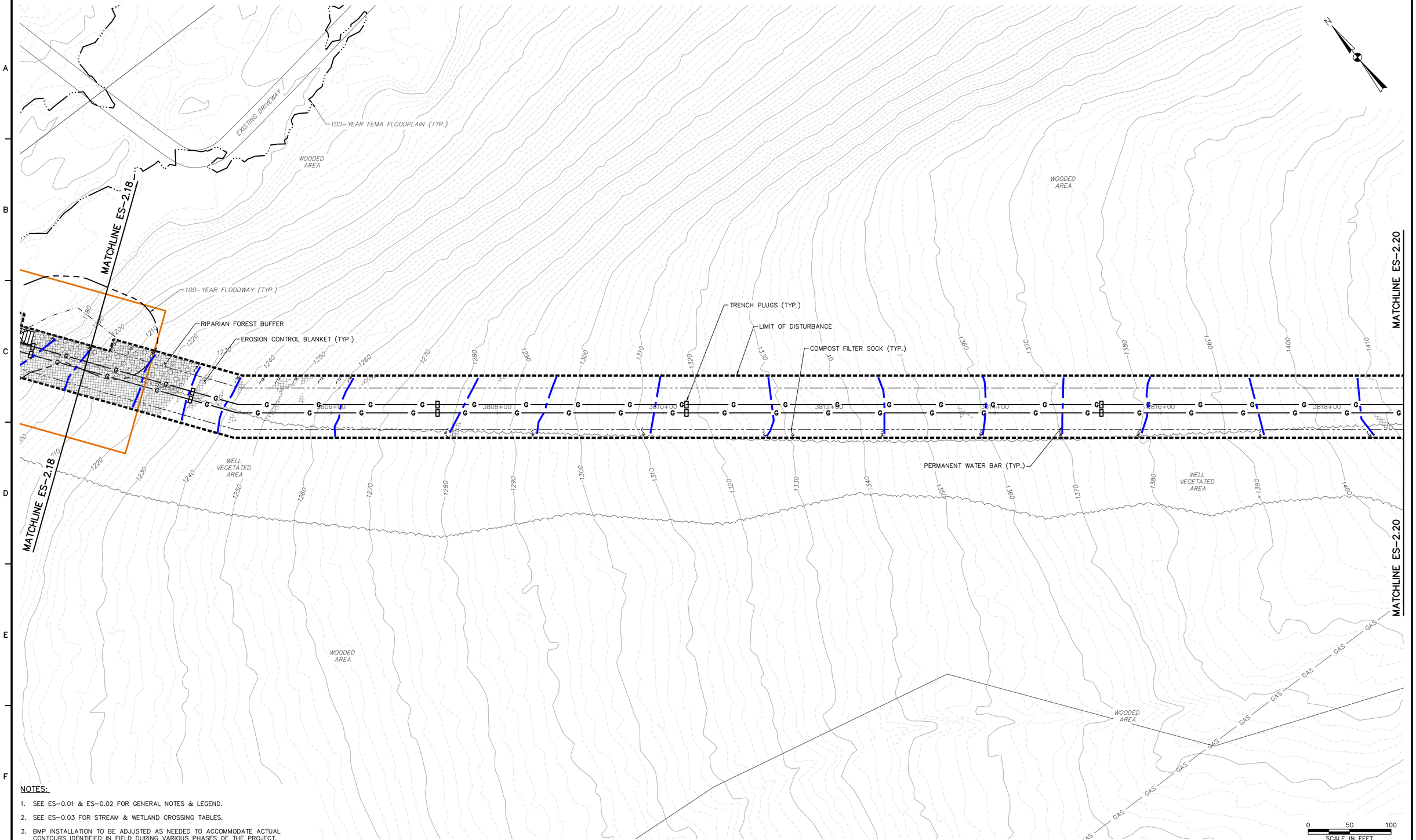

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COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL ENGINEER — ROBERT F. SIMCIK — PE-039436-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT
EROSION & SEDIMENT CONTROL &
SITE RESTORATION PLAN
SHEET 19 OF 62

DATE:	NOVEMBER 2016
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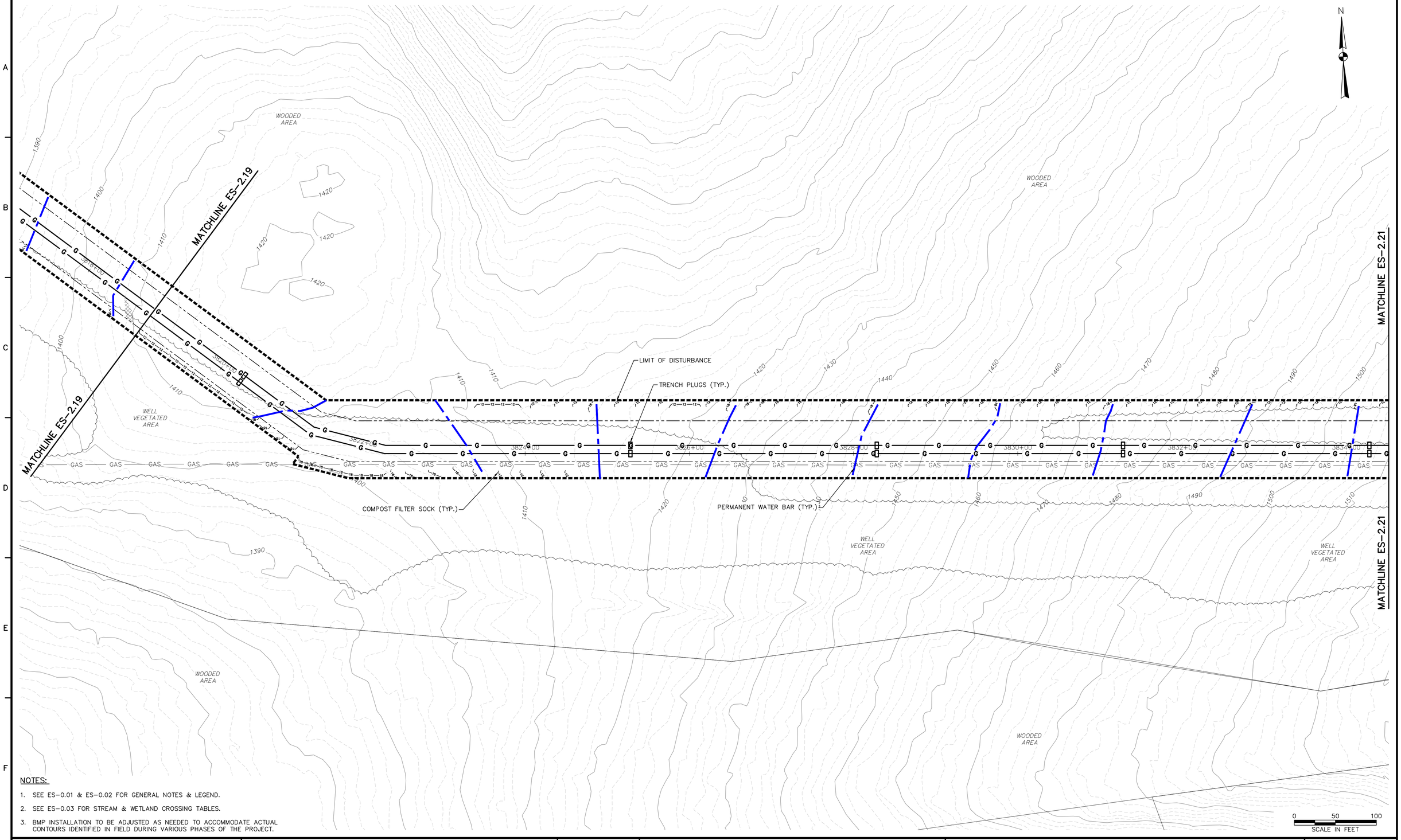

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REVISIONS

NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ROBERT F. SIMCIK ENGINEER PE-059438-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 20 OF 62

DATE:	NOVEMBER 2016
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MATCHLINE ES-2.20

MATCHLINE ES-2.22

LIMIT OF DISTURBANCE

TRENCH PLUGS (TYP.)

COMPOST FILTER SOCK (TYP.)

PERMANENT WATER BAR (TYP.)

EROSION CONTROL BLANKET (TYP.)

WOODED AREA

WELL VEGETATED AREA

N

0 50 100
SCALE IN FEET

NOTES:

1. SEE ES-0.01 & ES-0.02 FOR GENERAL NOTES & LEGEND.
2. SEE ES-0.03 FOR STREAM & WETLAND CROSSING TABLES.
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REVISIONS

NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA
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ROBERT F. SIMCIK
ENGINEER
PE-039435-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 21 OF 62

DATE:	NOVEMBER 2016
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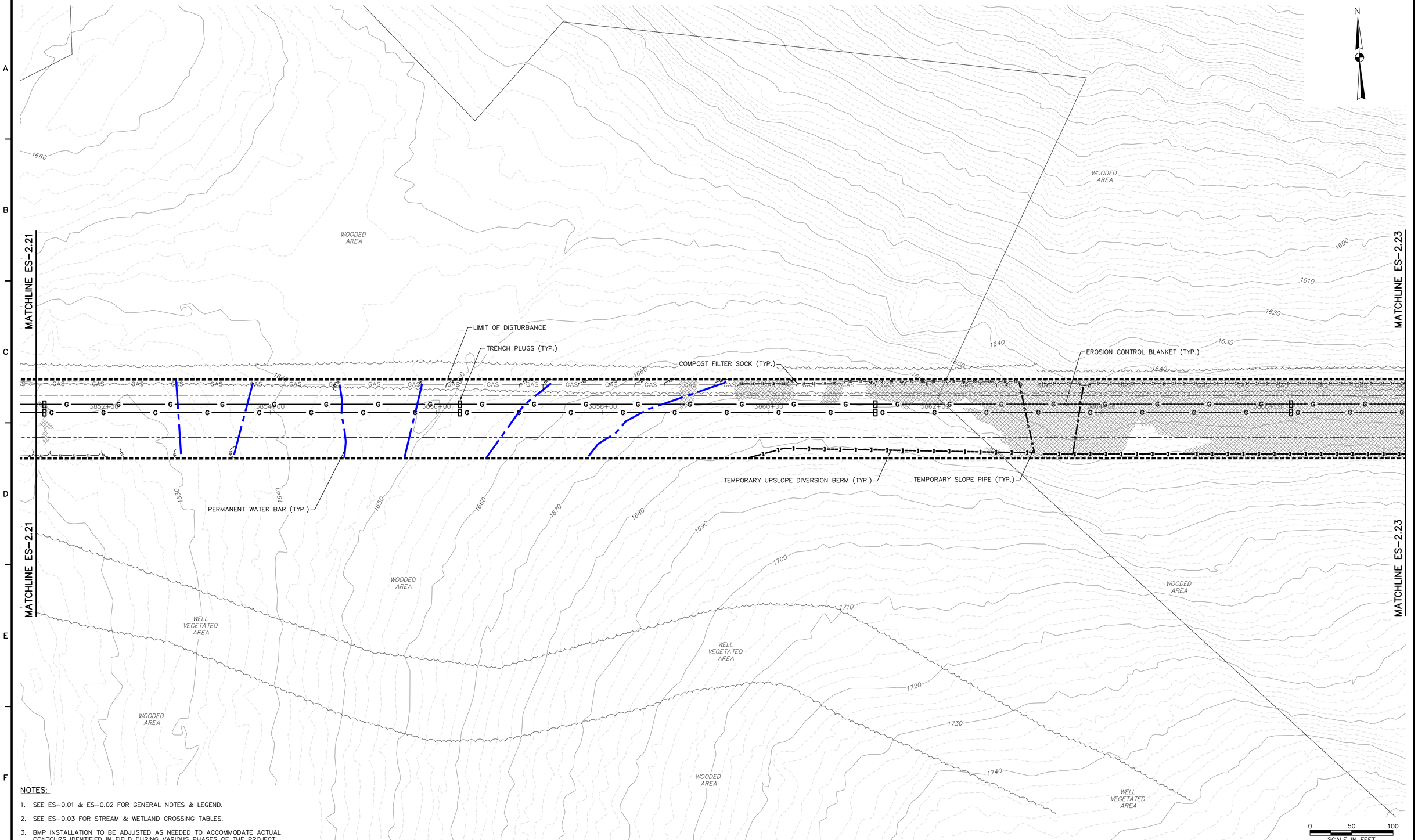

NOTES:

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2. SEE ES-0.03 FOR STREAM & WETLAND CROSSING TABLES.
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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER ROBERT F. SIMCIK PE-038435-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT
EROSION & SEDIMENT CONTROL &
SITE RESTORATION PLAN
SHEET 22 OF 62

DATE:	NOVEMBER 2016
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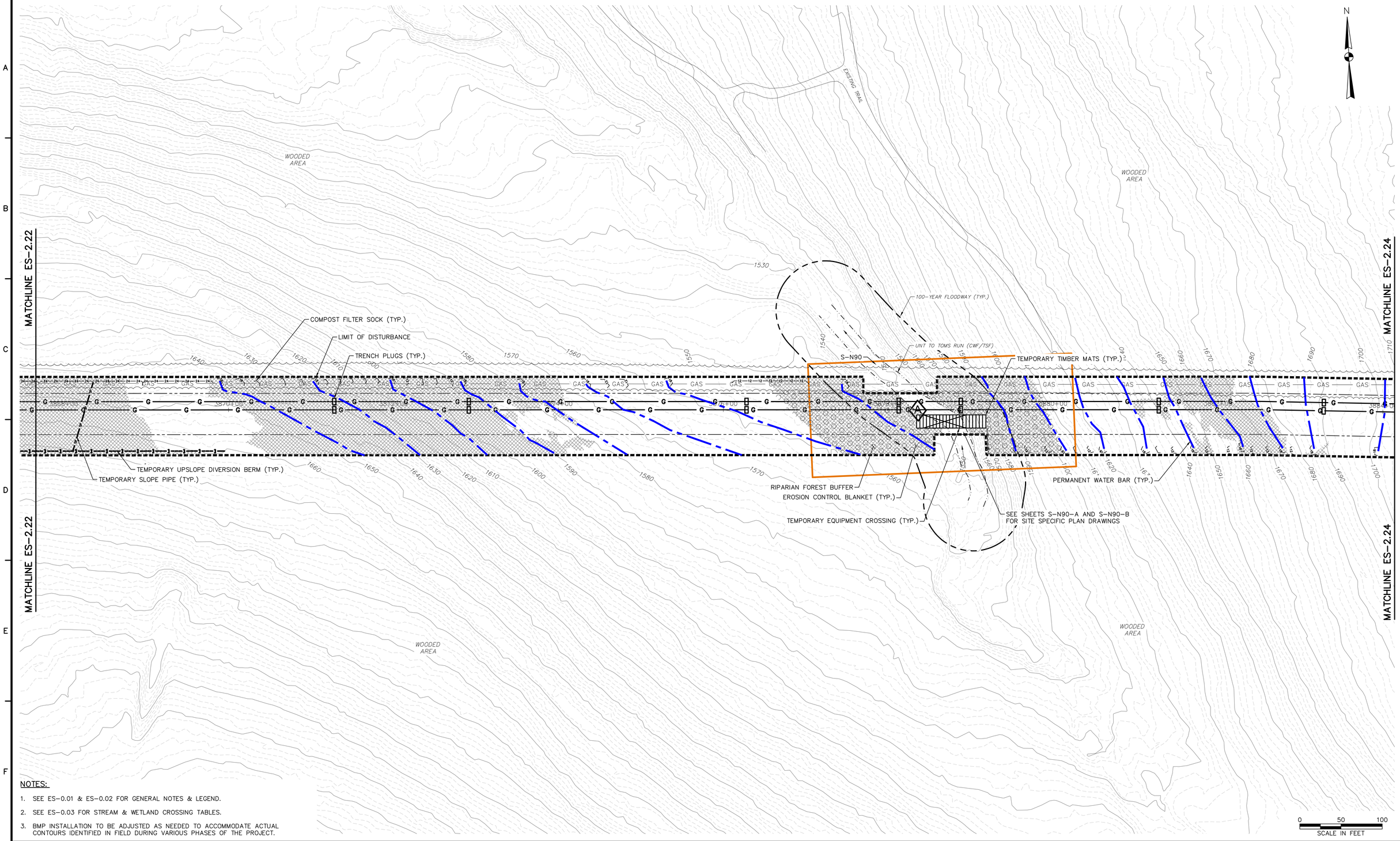

NOTES:

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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ROBERT F. SIMCIK ENGINEER PE-059436-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 23 OF 62

DATE:	NOVEMBER 2016
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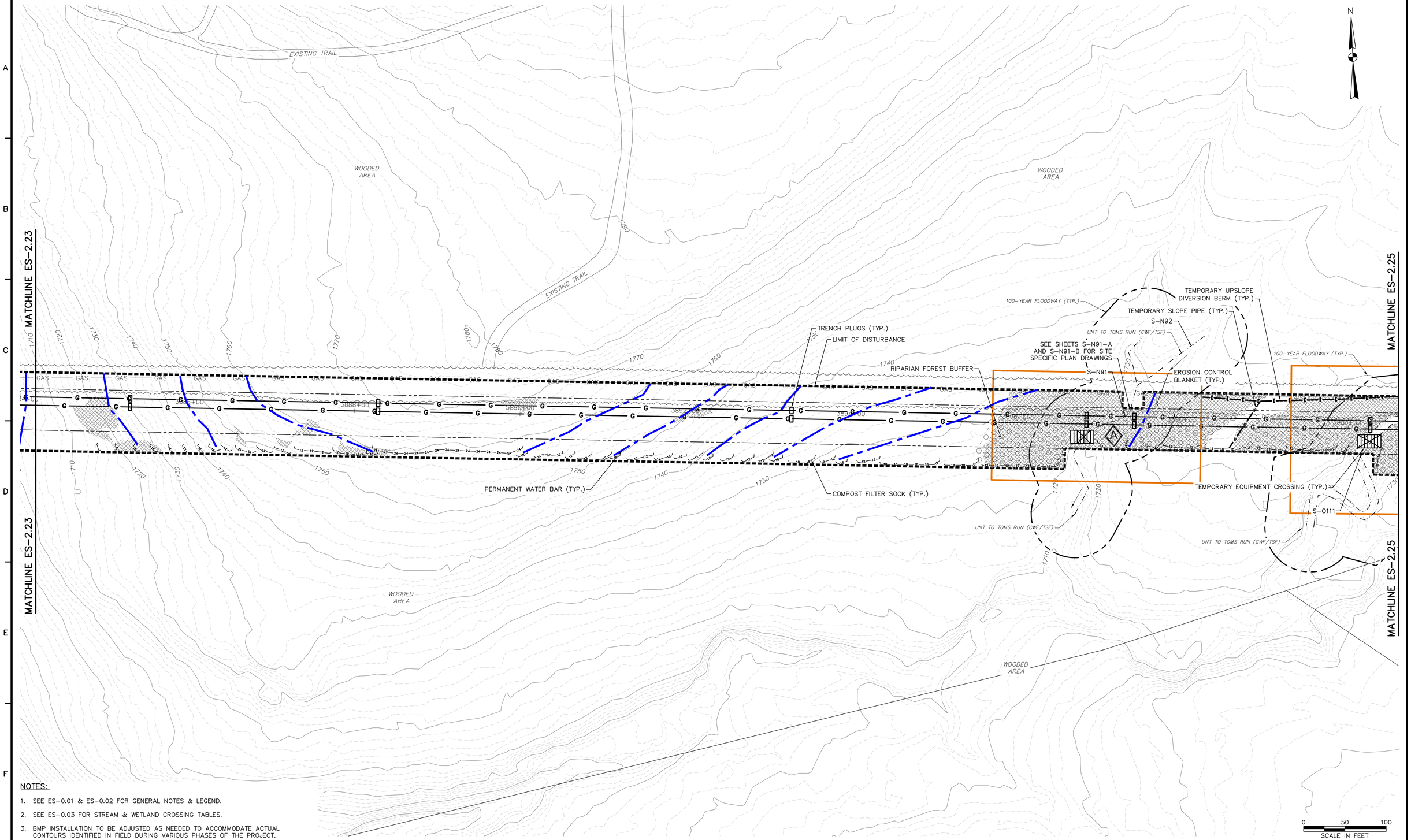

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REVISIONS

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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER ROBERT F. SIMCIK PE-088436

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT
EROSION & SEDIMENT CONTROL &
SITE RESTORATION PLAN
SHEET 24 OF 62

DATE:	NOVEMBER 2016
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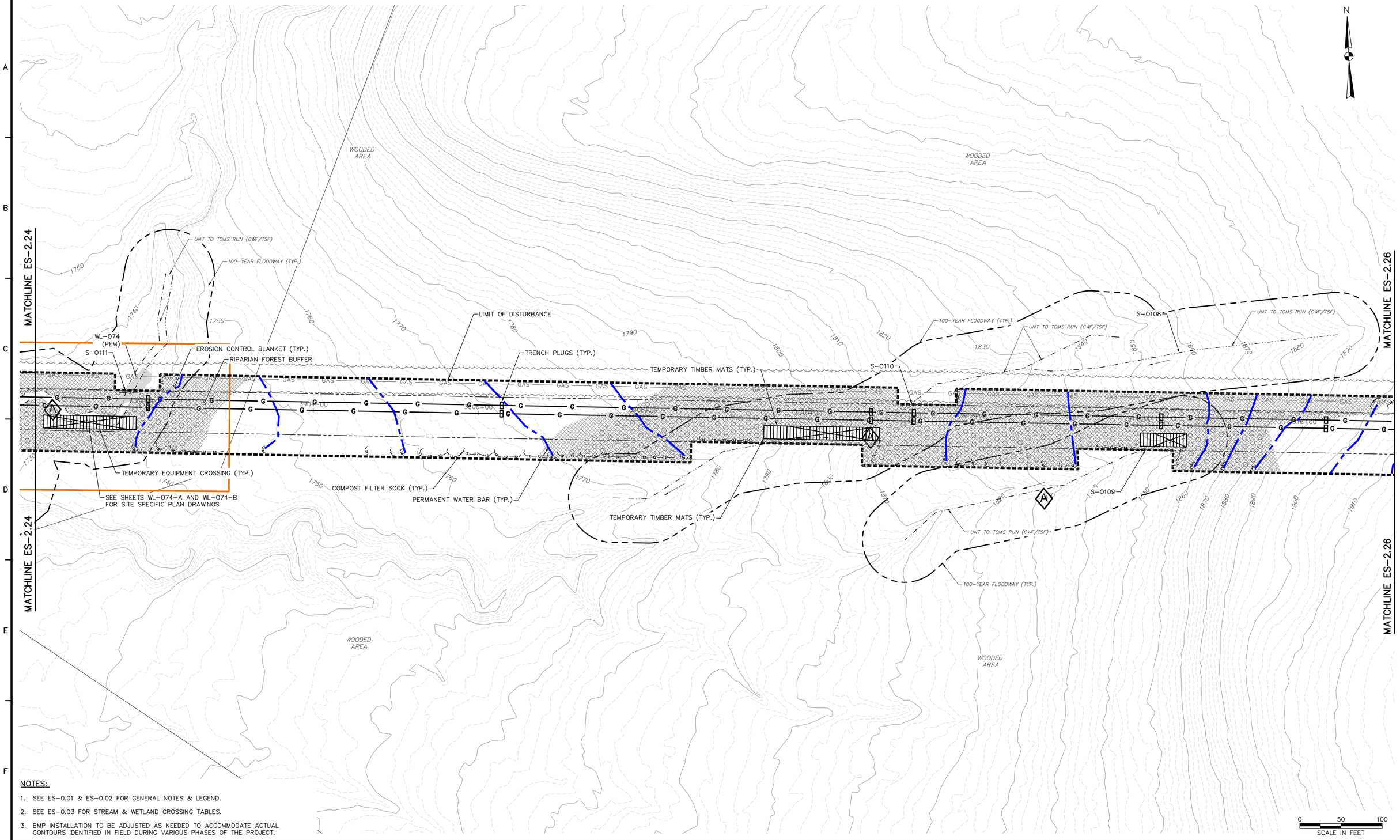

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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER ROBERT F. SIMCIK PE-059436-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT
EROSION & SEDIMENT CONTROL &
SITE RESTORATION PLAN
SHEET 25 OF 62

DATE:	NOVEMBER 2016
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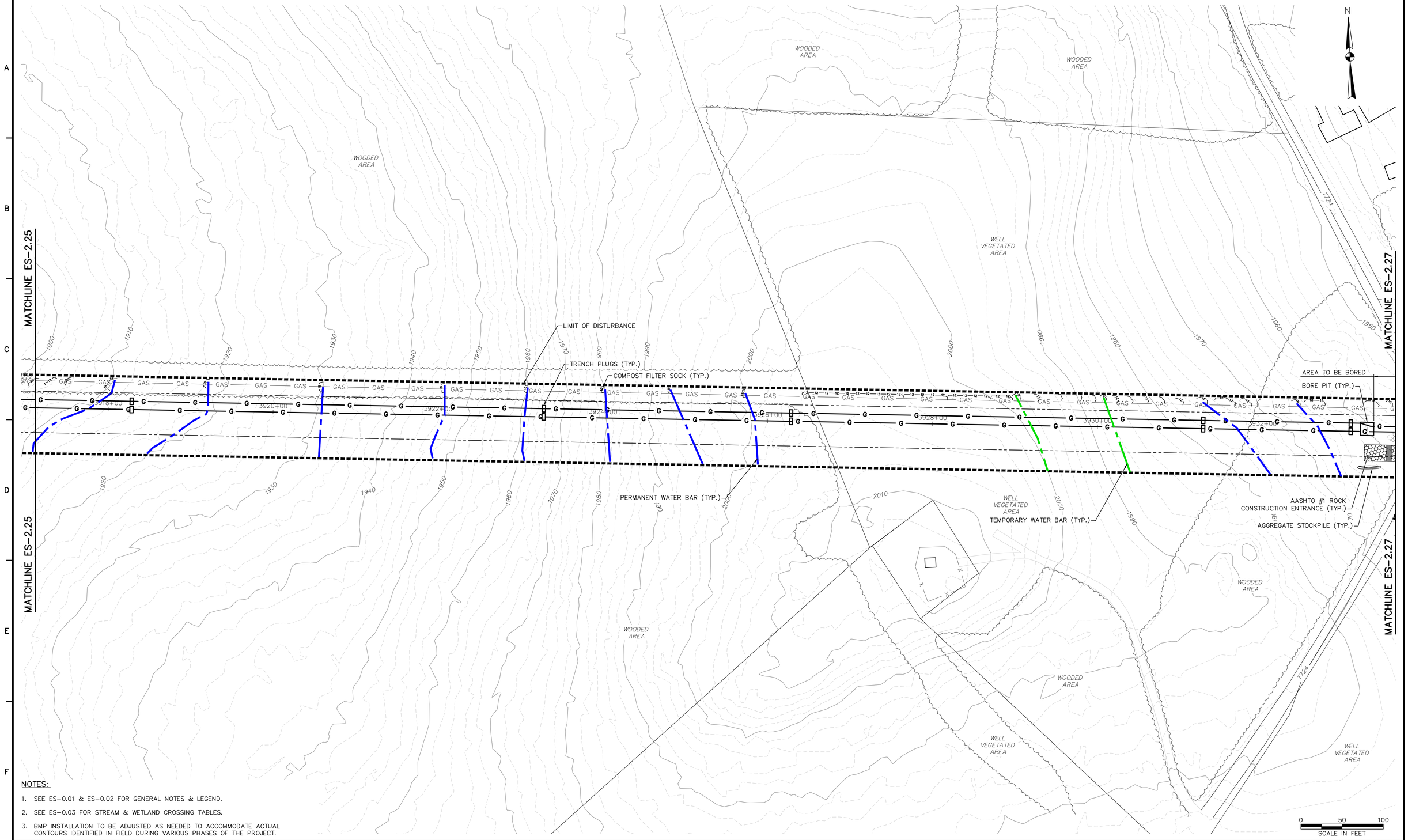

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NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER ROBERT F. SIMCIK

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT
EROSION & SEDIMENT CONTROL &
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SHEET 26 OF 62

DATE:	NOVEMBER 2016
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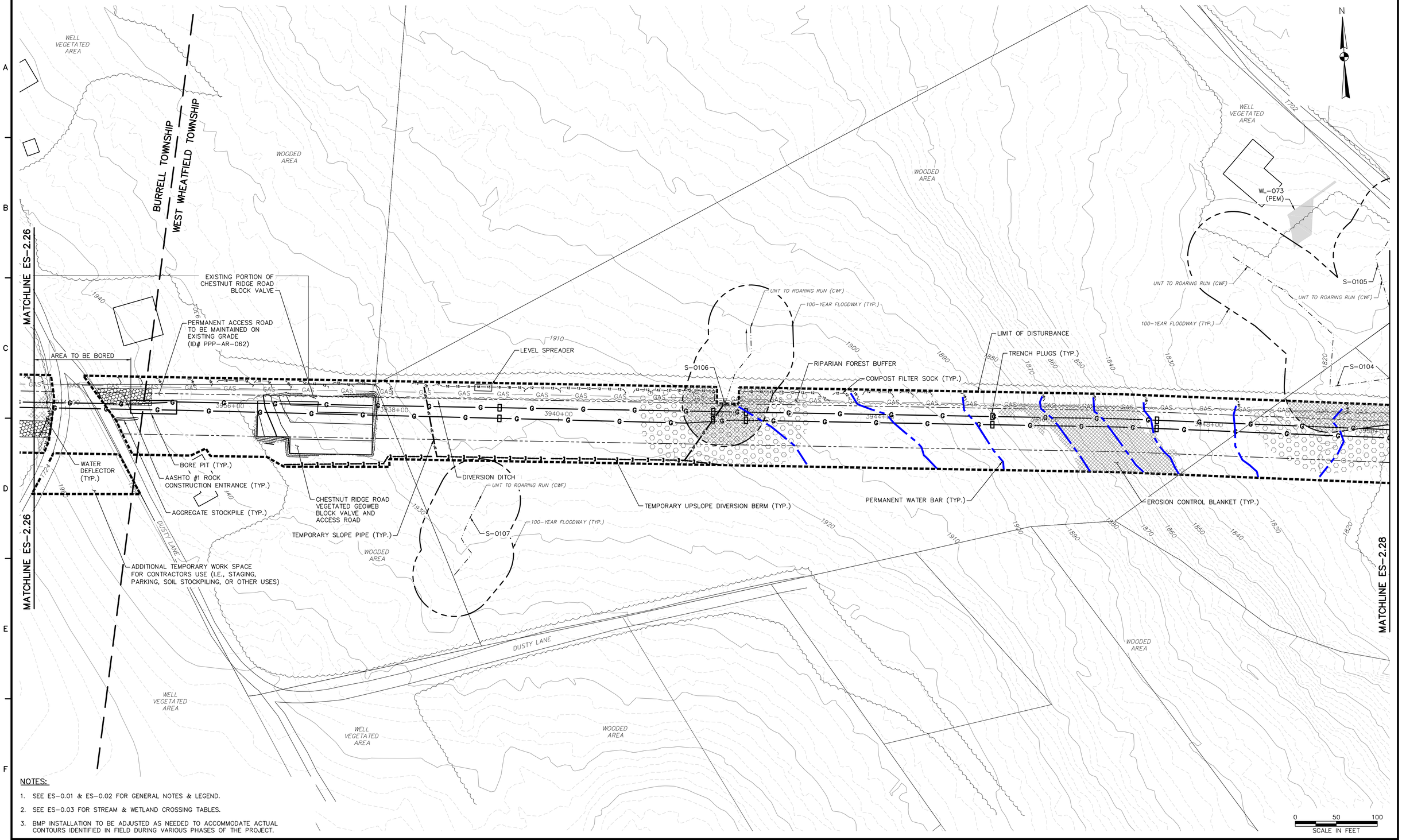

NOTES:

1. SEE ES-0.01 & ES-0.02 FOR GENERAL NOTES & LEGEND.
2. SEE ES-0.03 FOR STREAM & WETLAND CROSSING TABLES.
3. BMP INSTALLATION TO BE ADJUSTED AS NEEDED TO ACCOMMODATE ACTUAL CONTOURS IDENTIFIED IN FIELD DURING VARIOUS PHASES OF THE PROJECT.

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NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER ROBERT F. SIMCIK

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 27 OF 62

DATE:	NOVEMBER 2016
PROJECT NO.:	112C05958
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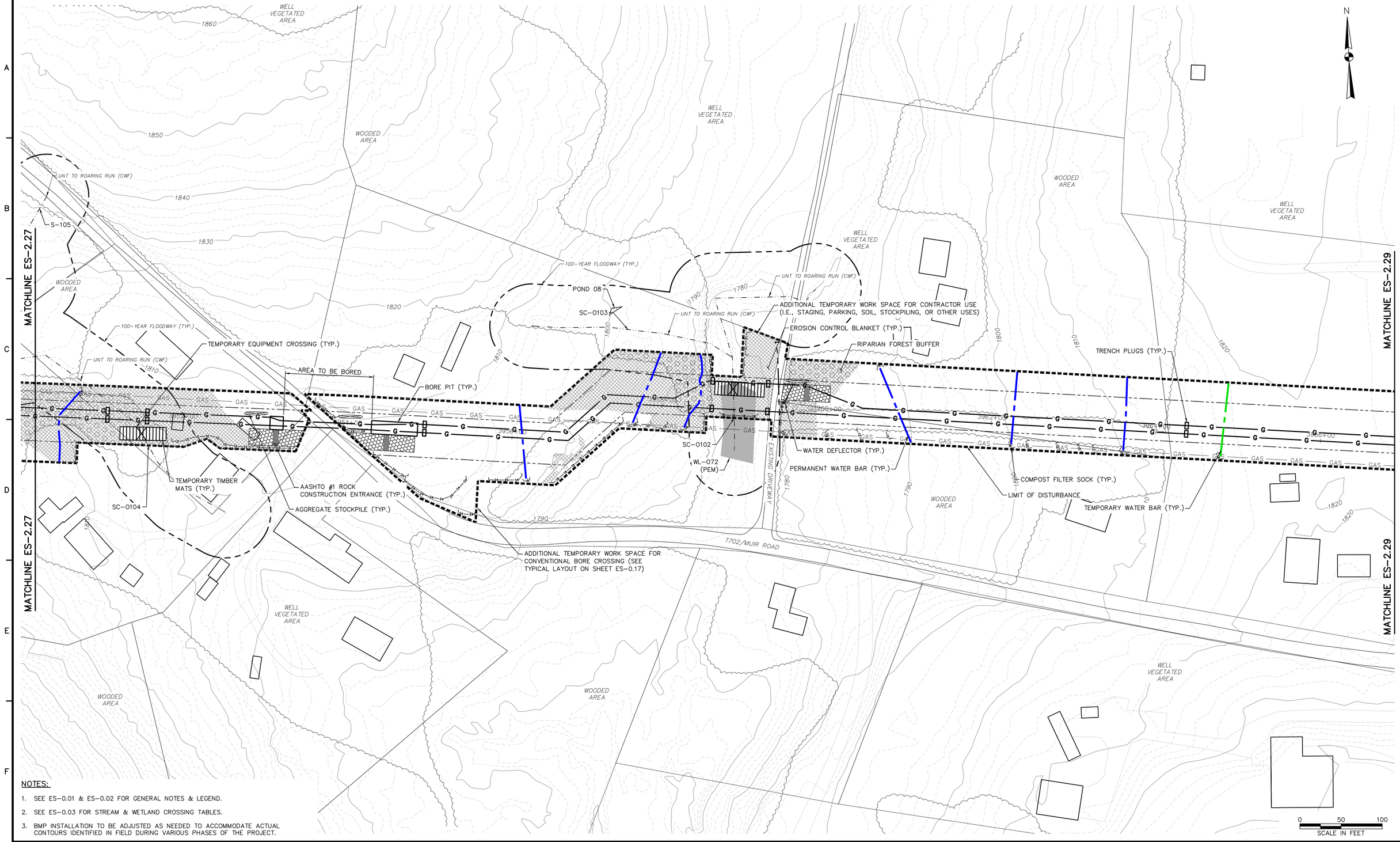

NOTES:

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NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA – REGISTERED PROFESSIONAL – ROBERT F. SIMCIK – ENGINEER – PE 039435-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 28 OF 62

DATE:	NOVEMBER 2016
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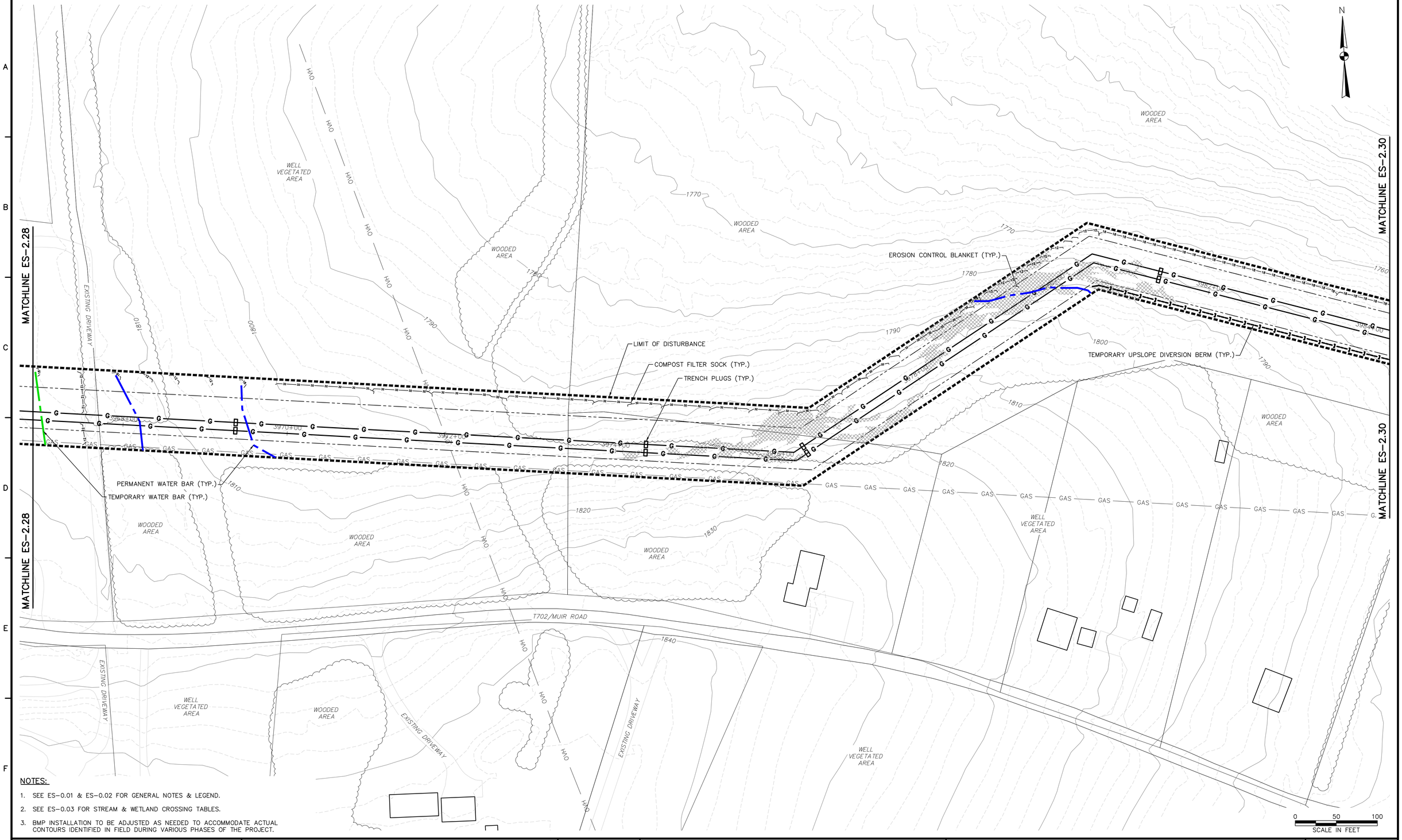

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PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 29 OF 62

DATE:	NOVEMBER 2016
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MATCHLINE ES-2.29

MATCHLINE ES-2.31

TEMPORARY SLOPE PIPE (TYP.)

TEMPORARY UPSLOPE DIVERSION BERM (TYP.)

TEMPORARY WATER BAR (TYP.)

PERMANENT WATER BAR (TYP.)

COMPOST FILTER SOCK (TYP.)

TRENCH PLUGS (TYP.)

LIMIT OF DISTURBANCE

EROSION CONTROL BLANKET (TYP.)

WOODED AREA

WELL VEGETATED AREA

GAS

N

0 50 100
SCALE IN FEET

NOTES:

1. SEE ES-0.01 & ES-0.02 FOR GENERAL NOTES & LEGEND.
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NO.	BY	DATE	REMARKS

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SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT
CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT
EROSION & SEDIMENT CONTROL &
SITE RESTORATION PLAN
SHEET 30 OF 62

DATE:	NOVEMBER 2016
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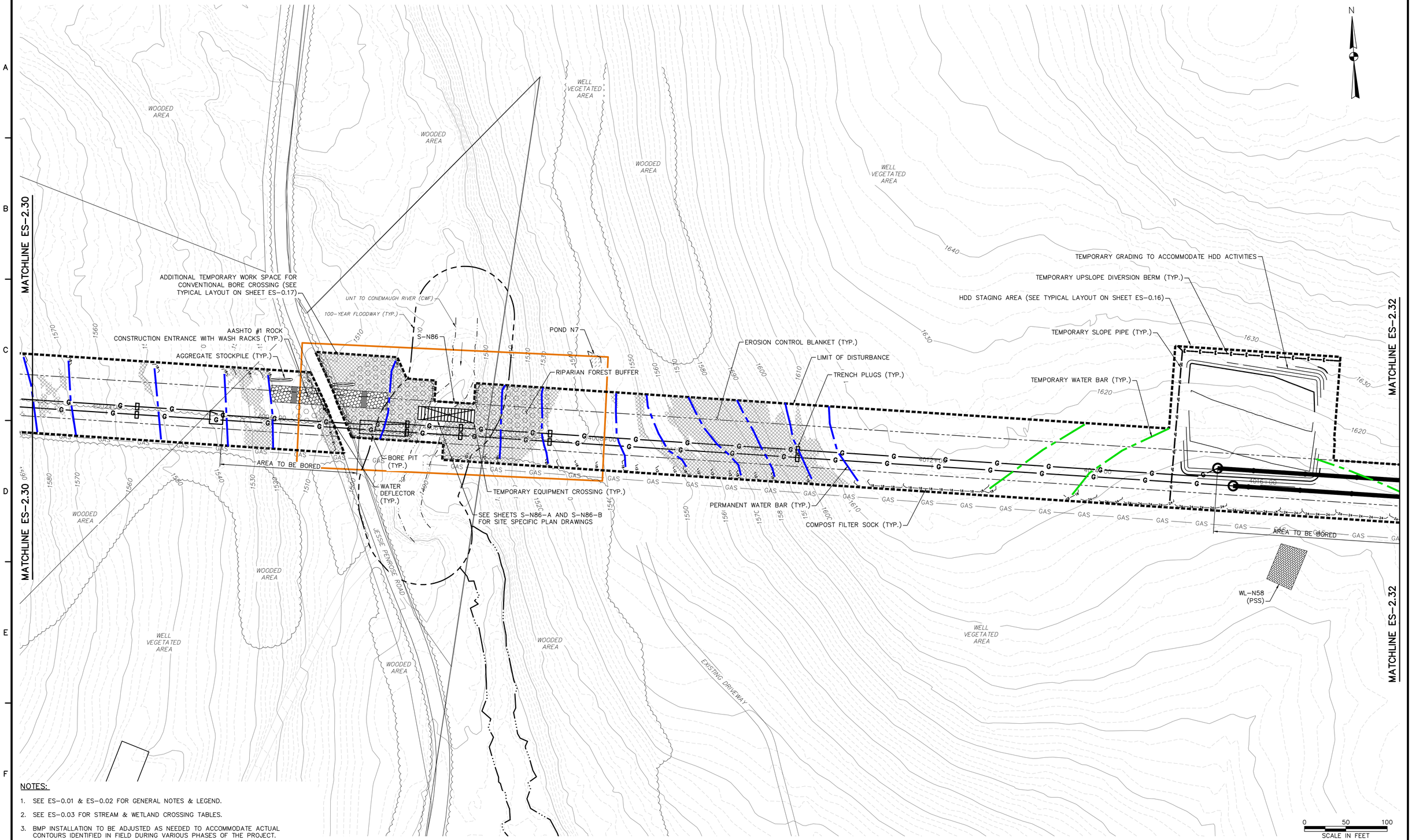

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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER ROBERT F. SIMCIK

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 31 OF 62

DATE:	NOVEMBER 2016
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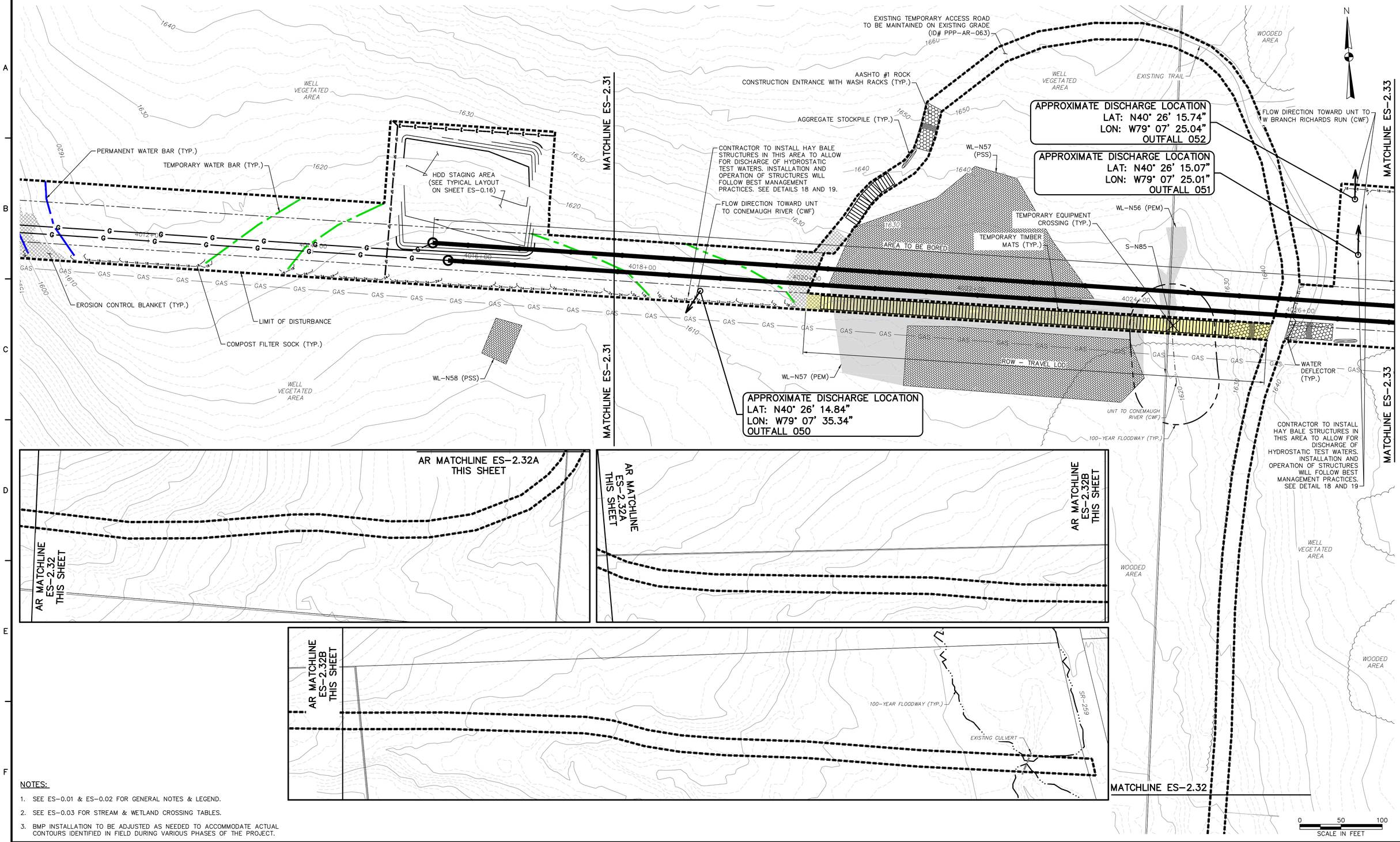

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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ROBERT F. SIMCIK ENGINEER

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 32 OF 62

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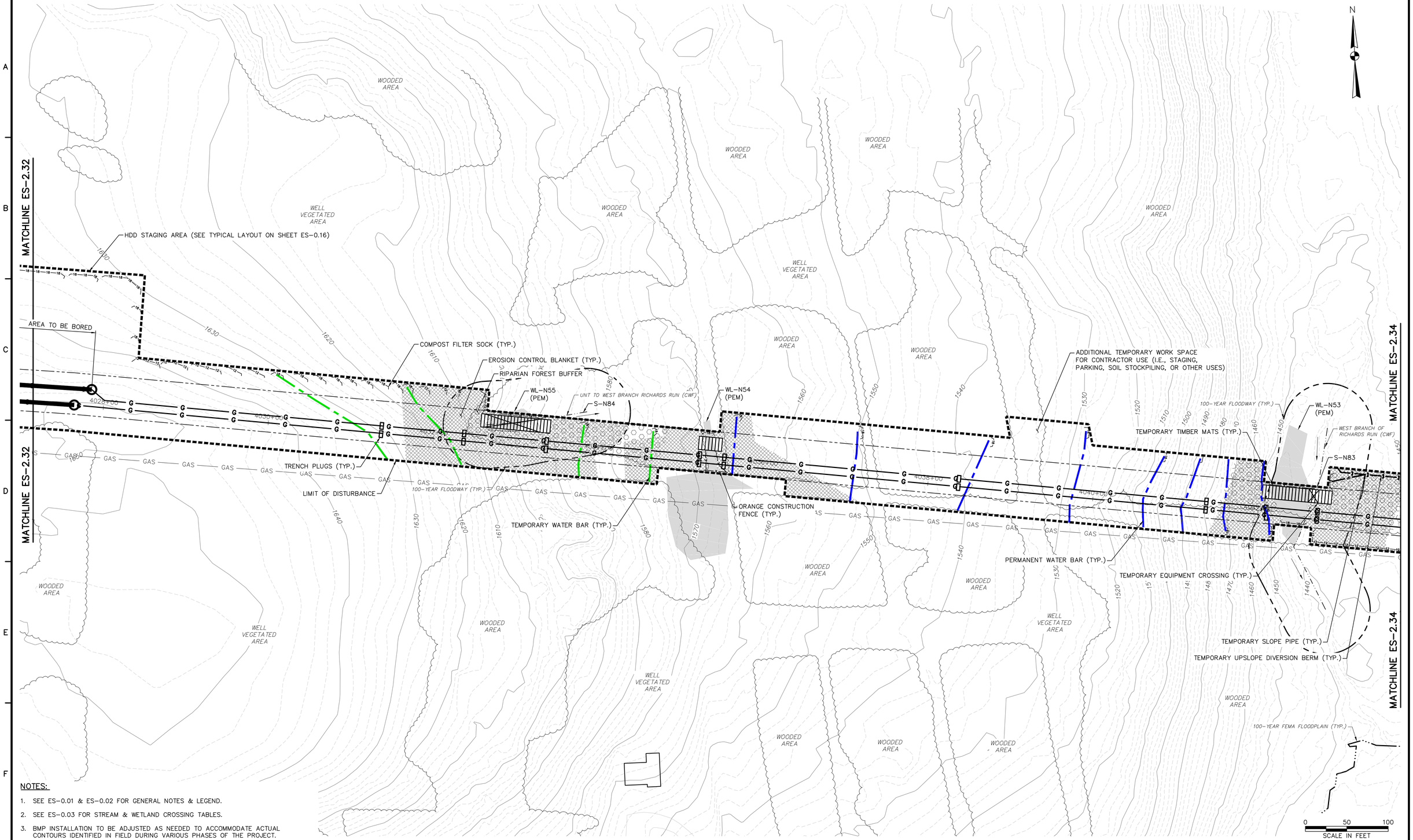

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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ROBERT F. SIMCIK ENGINEER PE-059435-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT
EROSION & SEDIMENT CONTROL &
SITE RESTORATION PLAN
SHEET 33 OF 62

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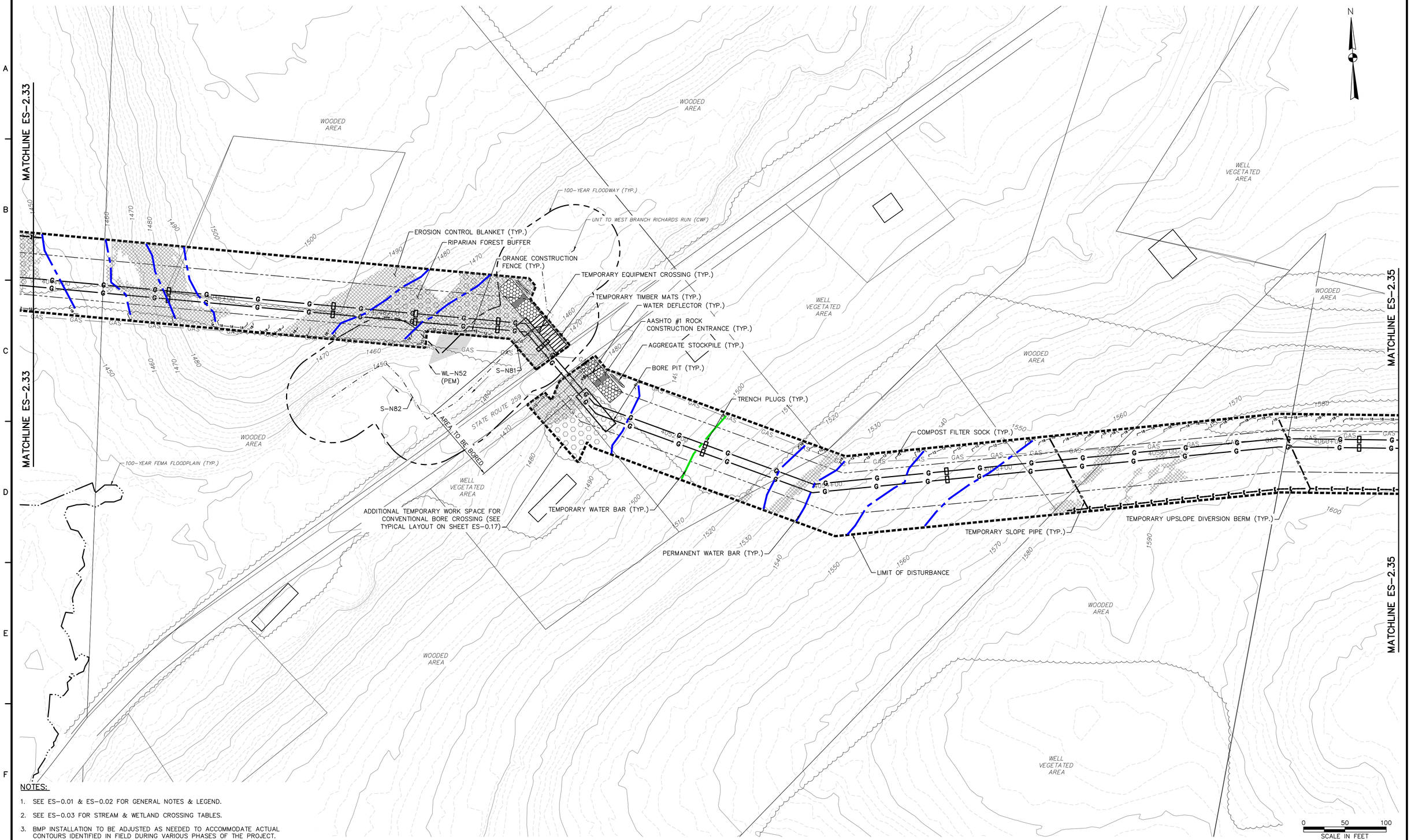

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SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

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INDIANA COUNTY CONSERVATION DISTRICT
EROSION & SEDIMENT CONTROL &
SITE RESTORATION PLAN
SHEET 34 OF 62

DATE:	NOVEMBER 2016
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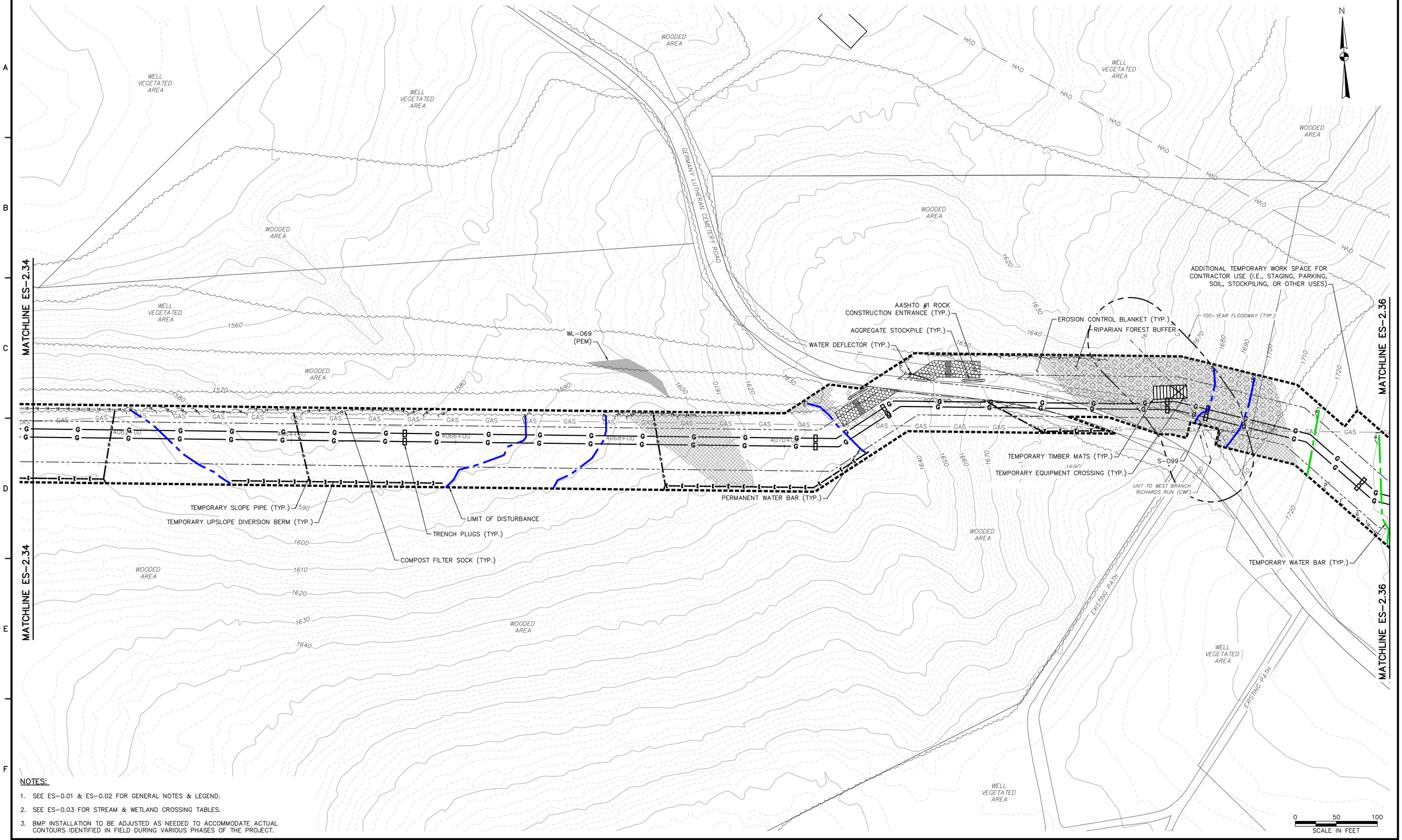

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NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA – REGISTERED PROFESSIONAL – ROBERT F. SIMCIK – ENGINEER – PE-036435-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT
CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT
EROSION & SEDIMENT CONTROL &
SITE RESTORATION PLAN
SHEET 35 OF 62

DATE:	NOVEMBER 2016
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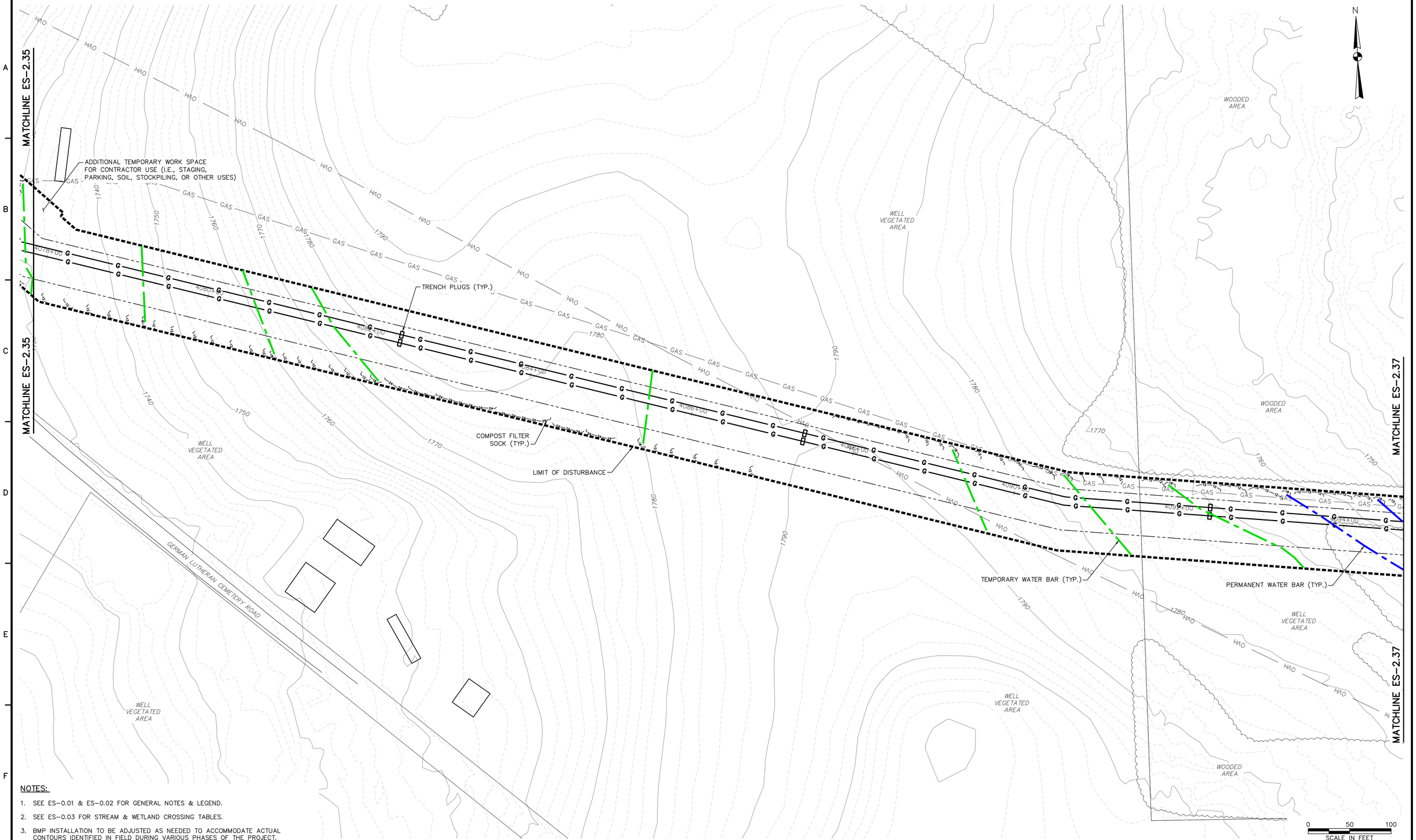

NOTES:

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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER ROBERT F. SIMCIK PE-035408-E

SUNOCO PIPELINE L.P.
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PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT
EROSION & SEDIMENT CONTROL &
SITE RESTORATION PLAN
SHEET 36 OF 62

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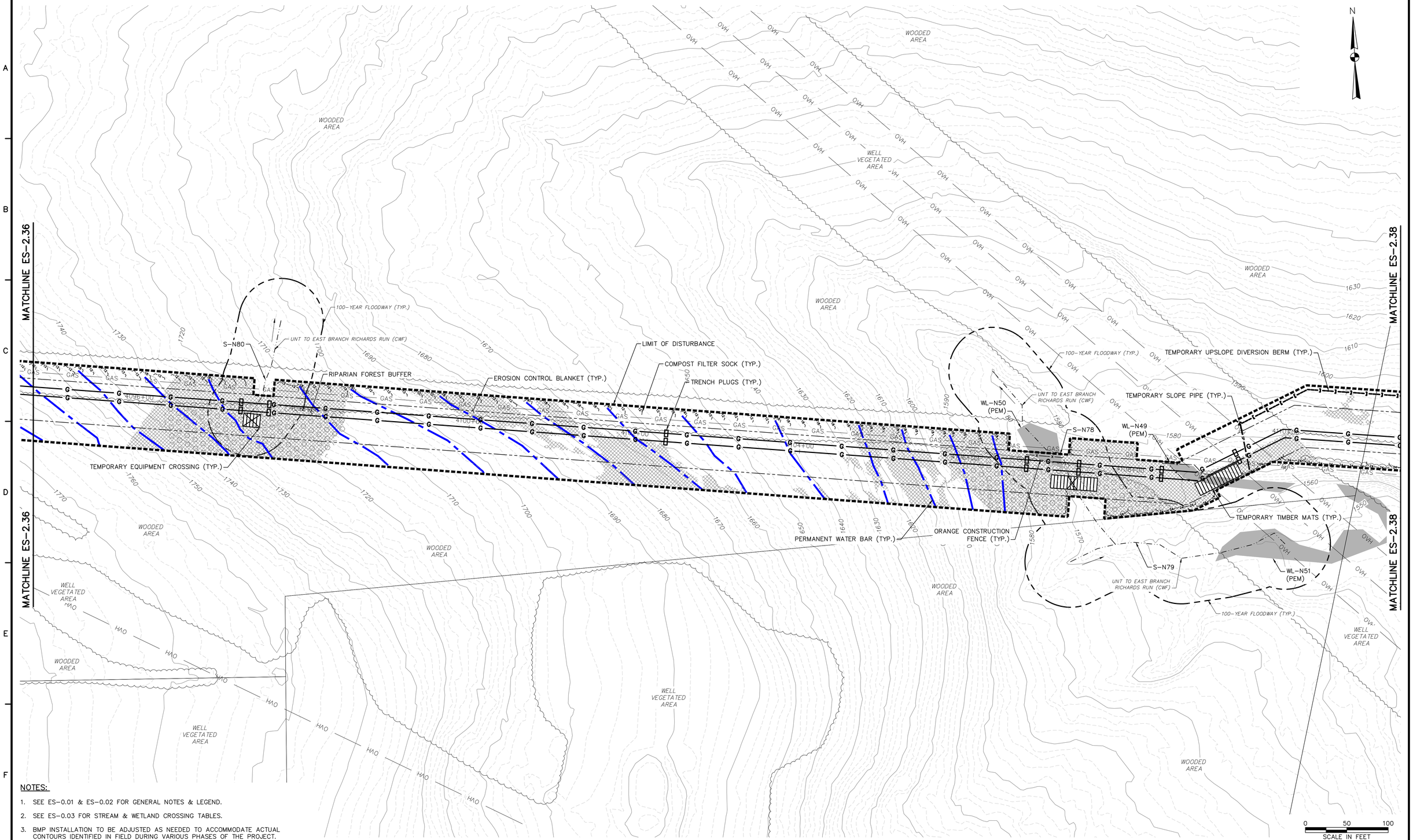

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COMMONWEALTH OF PENNSYLVANIA
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ROBERT F. SIMCIK
ENGINEER
PE-059436-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 37 OF 62

DATE:	NOVEMBER 2016
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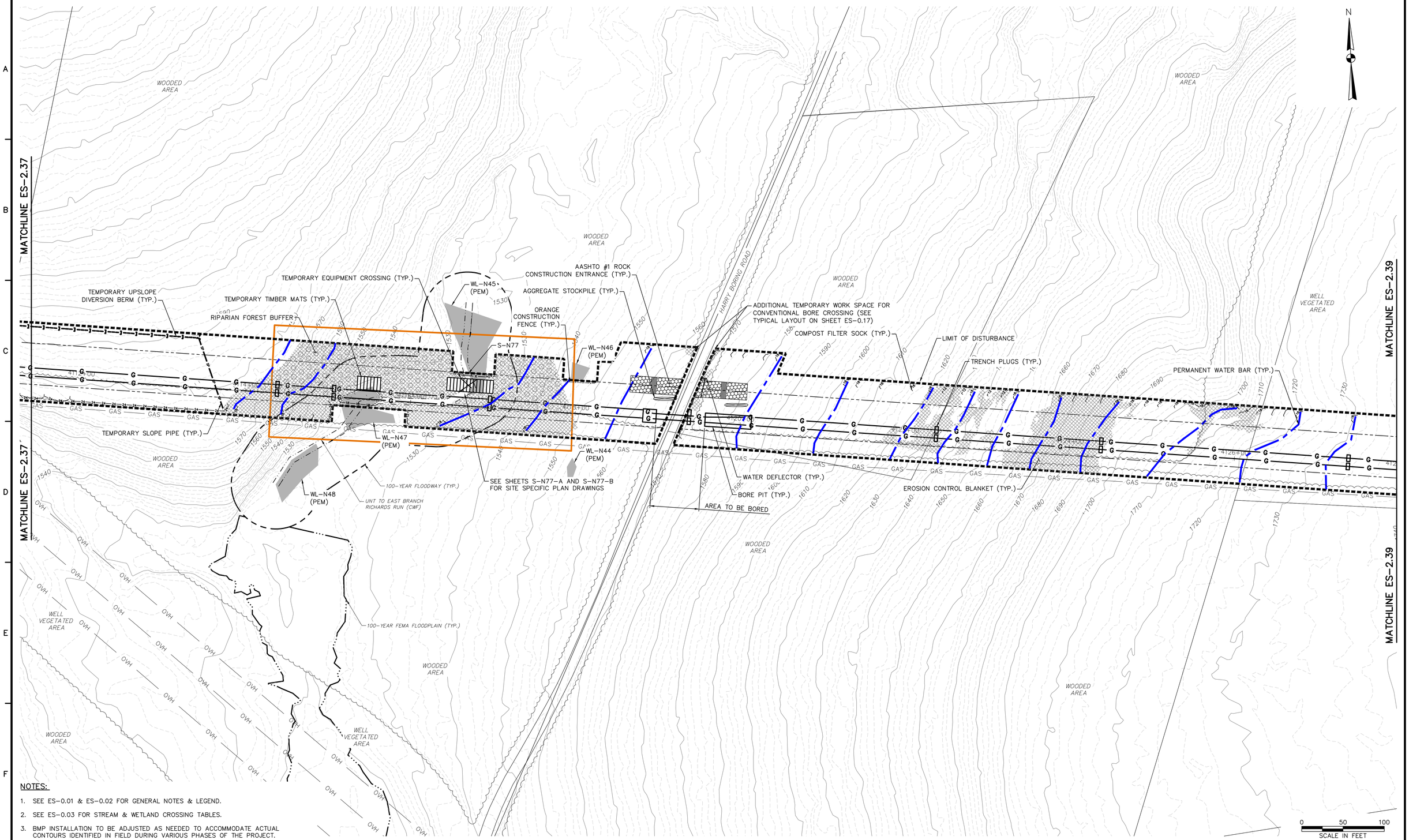

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NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER ROBERT F. SIMCIK

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT
EROSION & SEDIMENT CONTROL &
SITE RESTORATION PLAN
SHEET 38 OF 62

DATE:	NOVEMBER 2016
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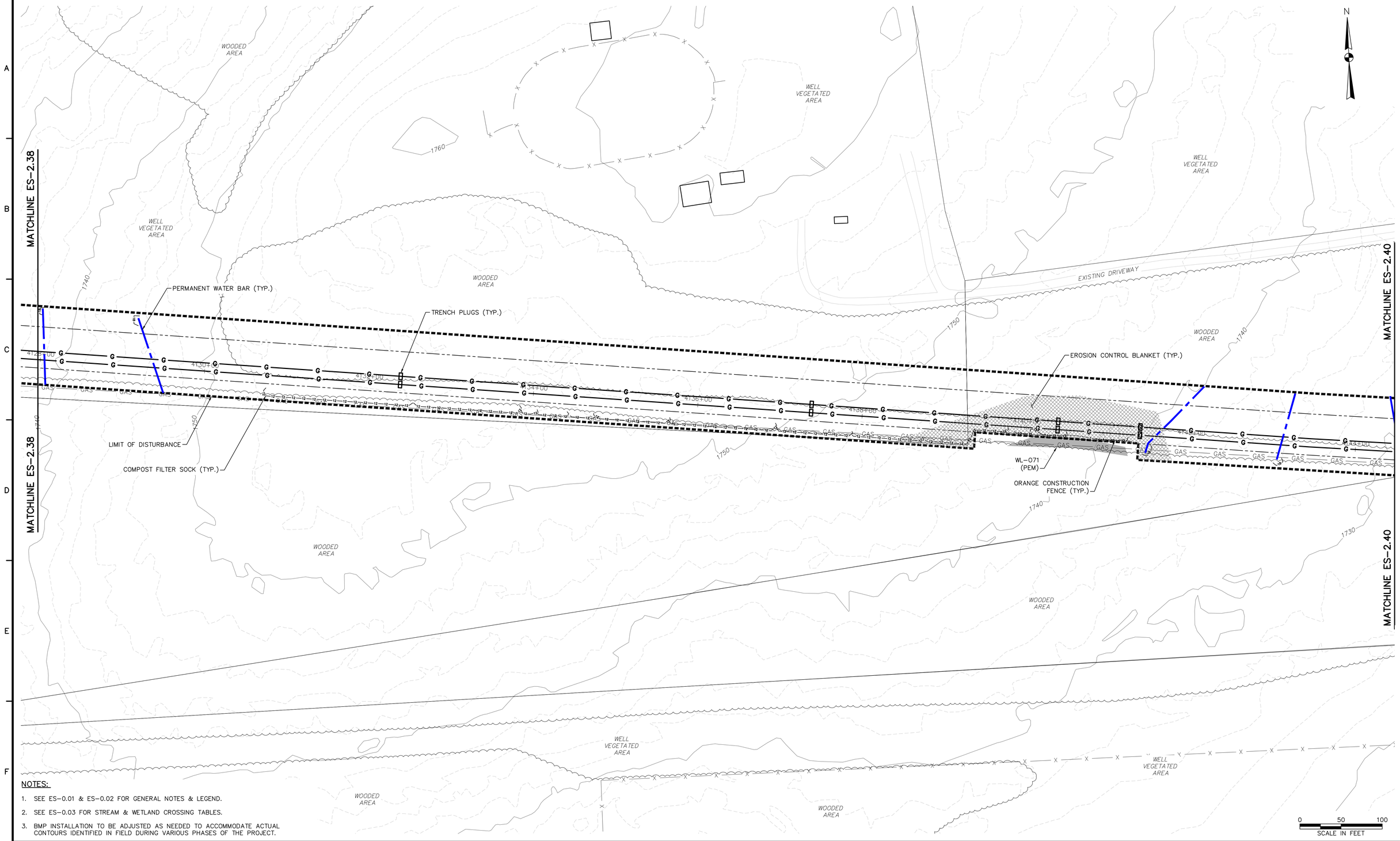

NOTES:

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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER ROBERT F. SIMCIK PE-084635-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT
CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT
EROSION & SEDIMENT CONTROL &
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SHEET 39 OF 62

DATE:	NOVEMBER 2016
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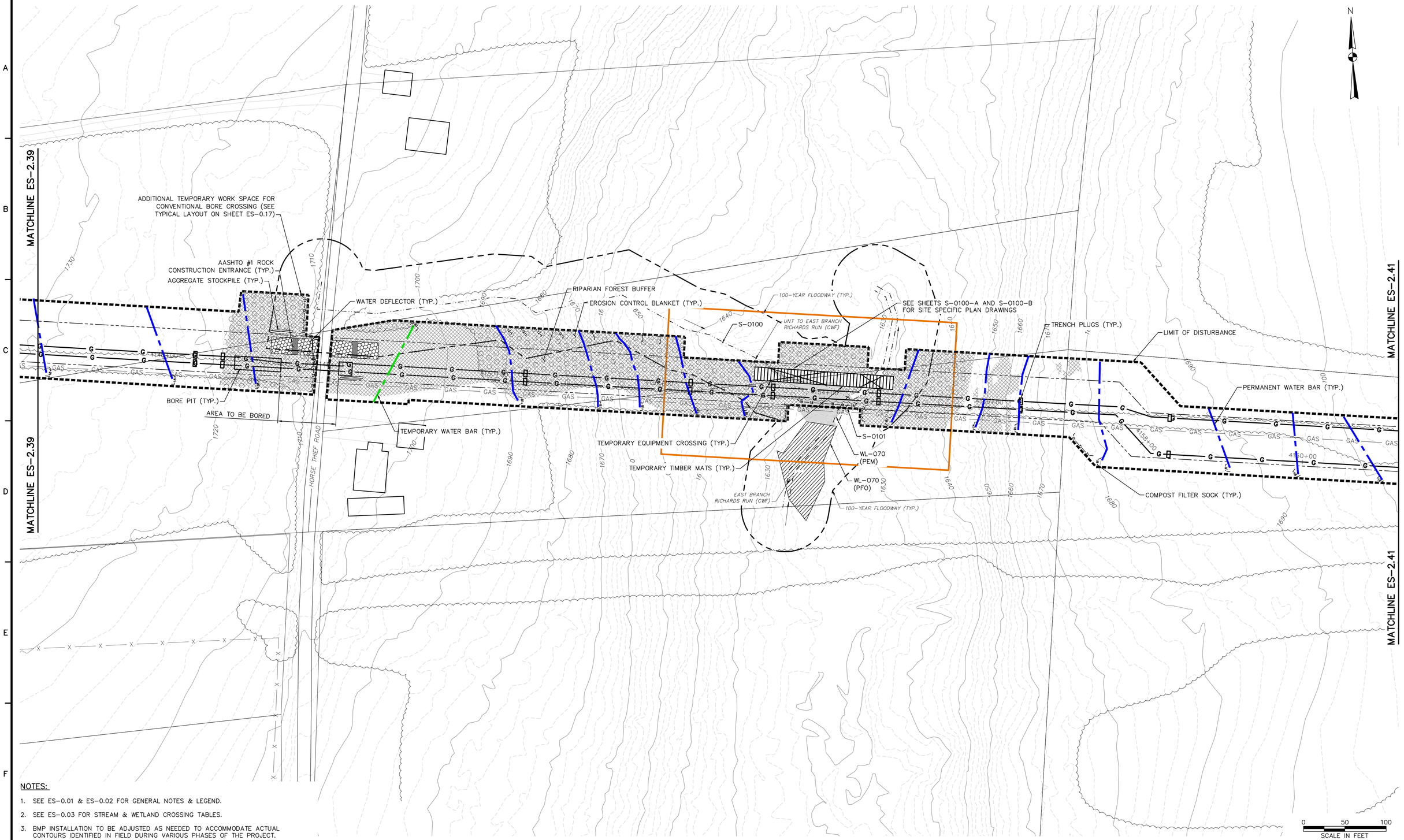

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1. SEE ES-0.01 & ES-0.02 FOR GENERAL NOTES & LEGEND.
2. SEE ES-0.03 FOR STREAM & WETLAND CROSSING TABLES.
3. BMP INSTALLATION TO BE ADJUSTED AS NEEDED TO ACCOMMODATE ACTUAL CONTOURS IDENTIFIED IN FIELD DURING VARIOUS PHASES OF THE PROJECT.

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REVISIONS

NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ROBERT F. SIMCIK ENGINEER PE-039436-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 40 OF 62

DATE:	NOVEMBER 2016
PROJECT NO.:	112C05958
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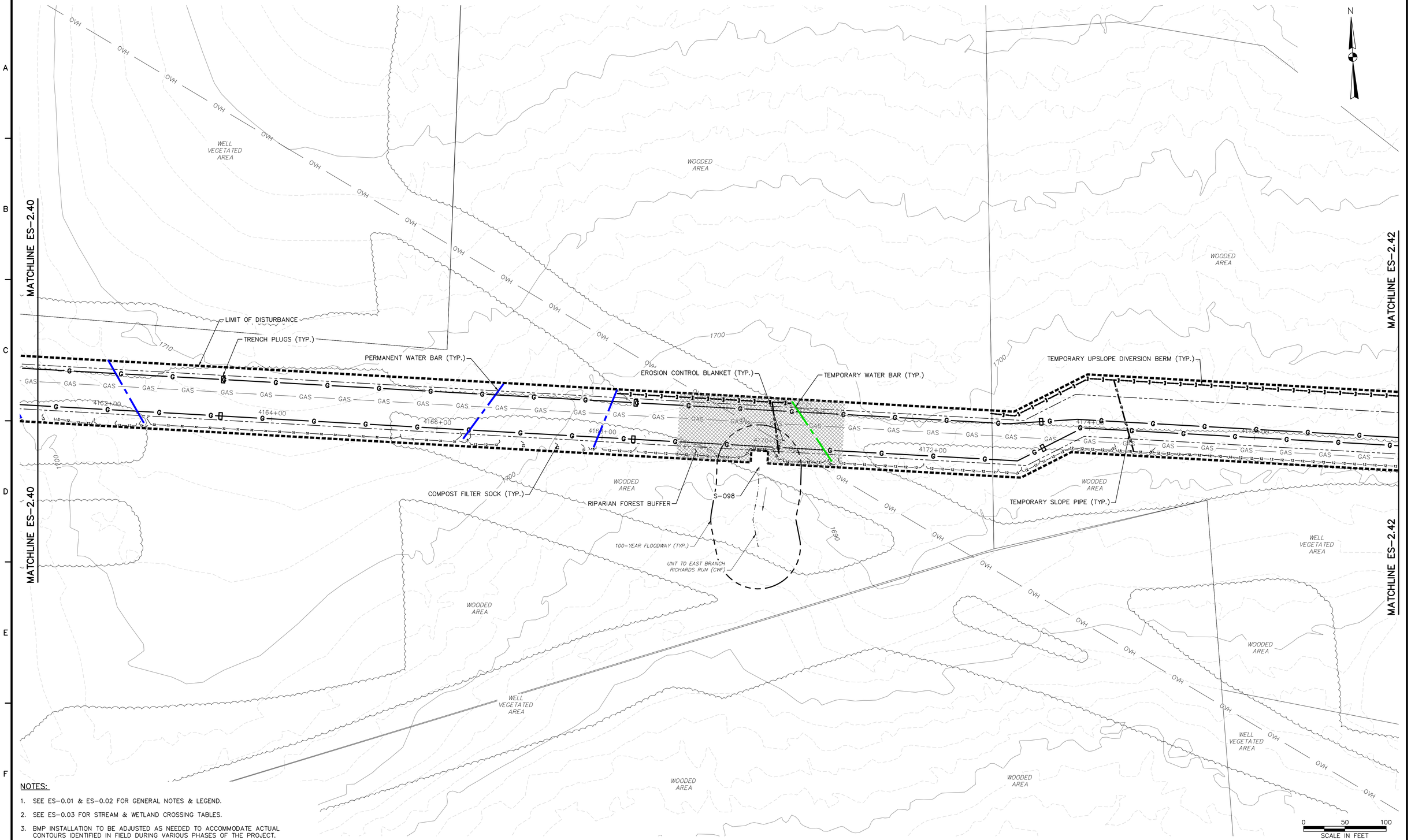

NOTES:

1. SEE ES-0.01 & ES-0.02 FOR GENERAL NOTES & LEGEND.
2. SEE ES-0.03 FOR STREAM & WETLAND CROSSING TABLES.
3. BMP INSTALLATION TO BE ADJUSTED AS NEEDED TO ACCOMMODATE ACTUAL CONTOURS IDENTIFIED IN FIELD DURING VARIOUS PHASES OF THE PROJECT.

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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER ROBERT F. SIMCIK PE-084635-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT
EROSION & SEDIMENT CONTROL &
SITE RESTORATION PLAN
SHEET 41 OF 62

DATE:	NOVEMBER 2016
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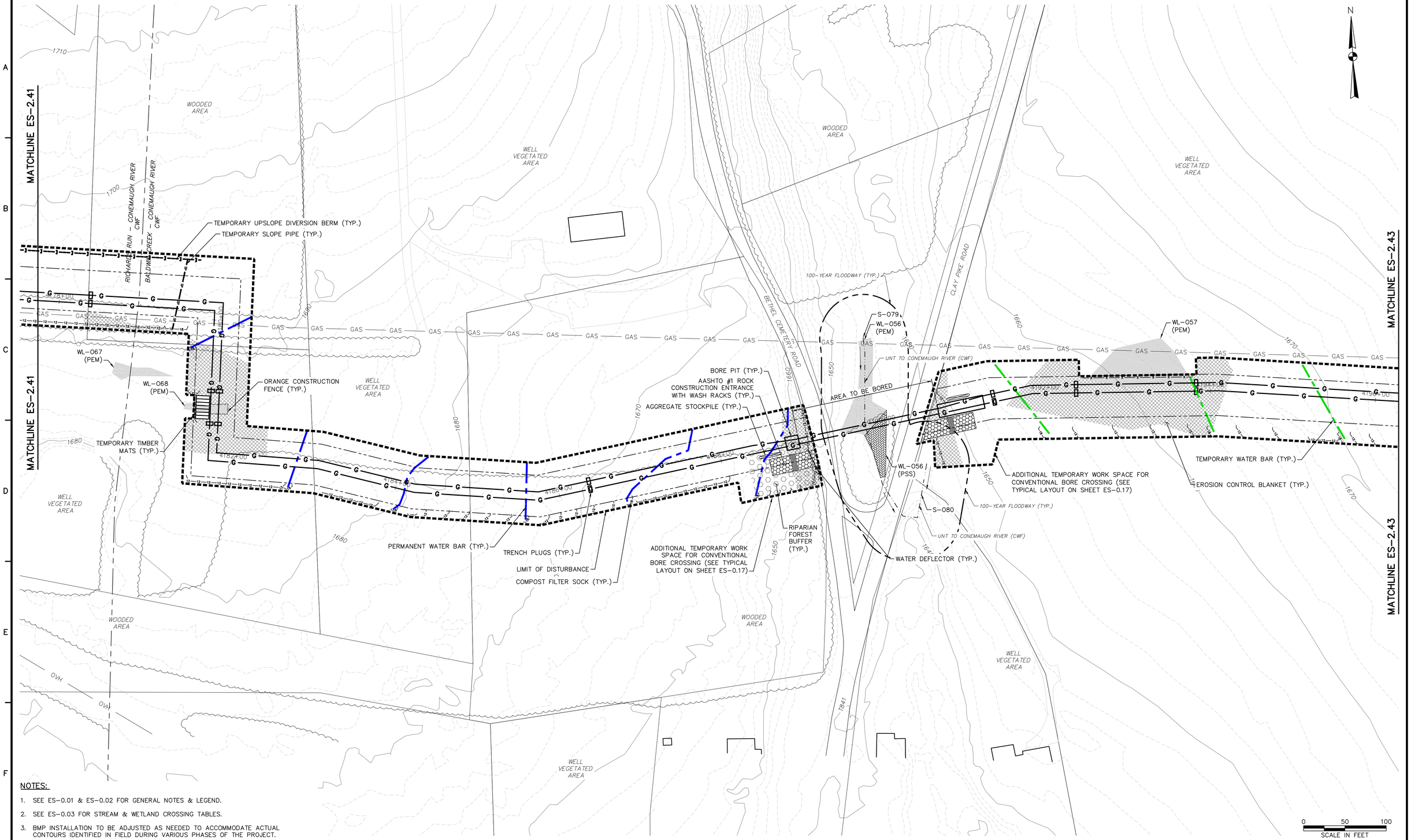

NOTES:

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SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 42 OF 62

DATE:	NOVEMBER 2016
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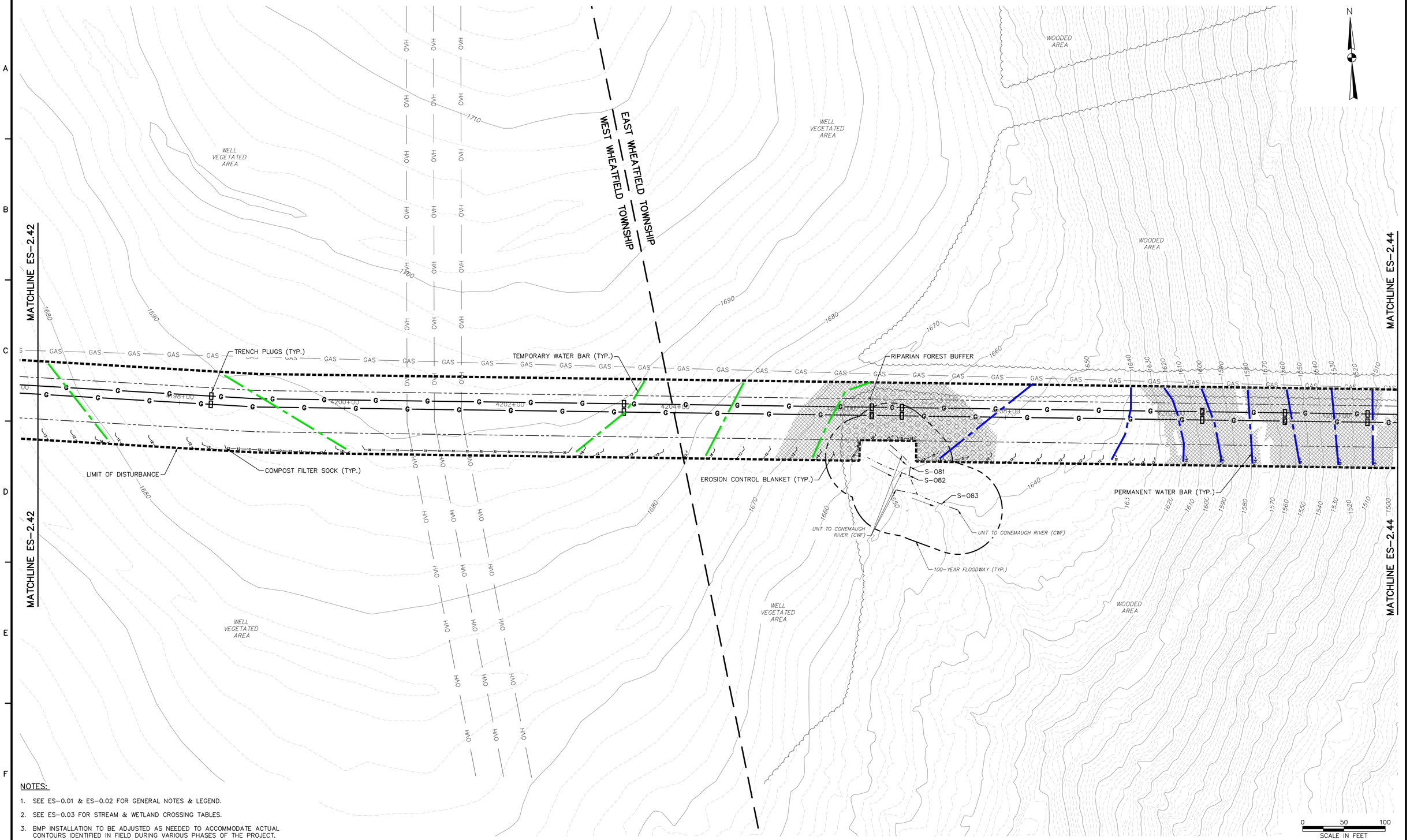

NOTES:

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COMMONWEALTH OF PENNSYLVANIA – REGISTERED PROFESSIONAL ENGINEER – ROBERT F. SIMCIK – PE-036436-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 43 OF 62

DATE:	NOVEMBER 2016
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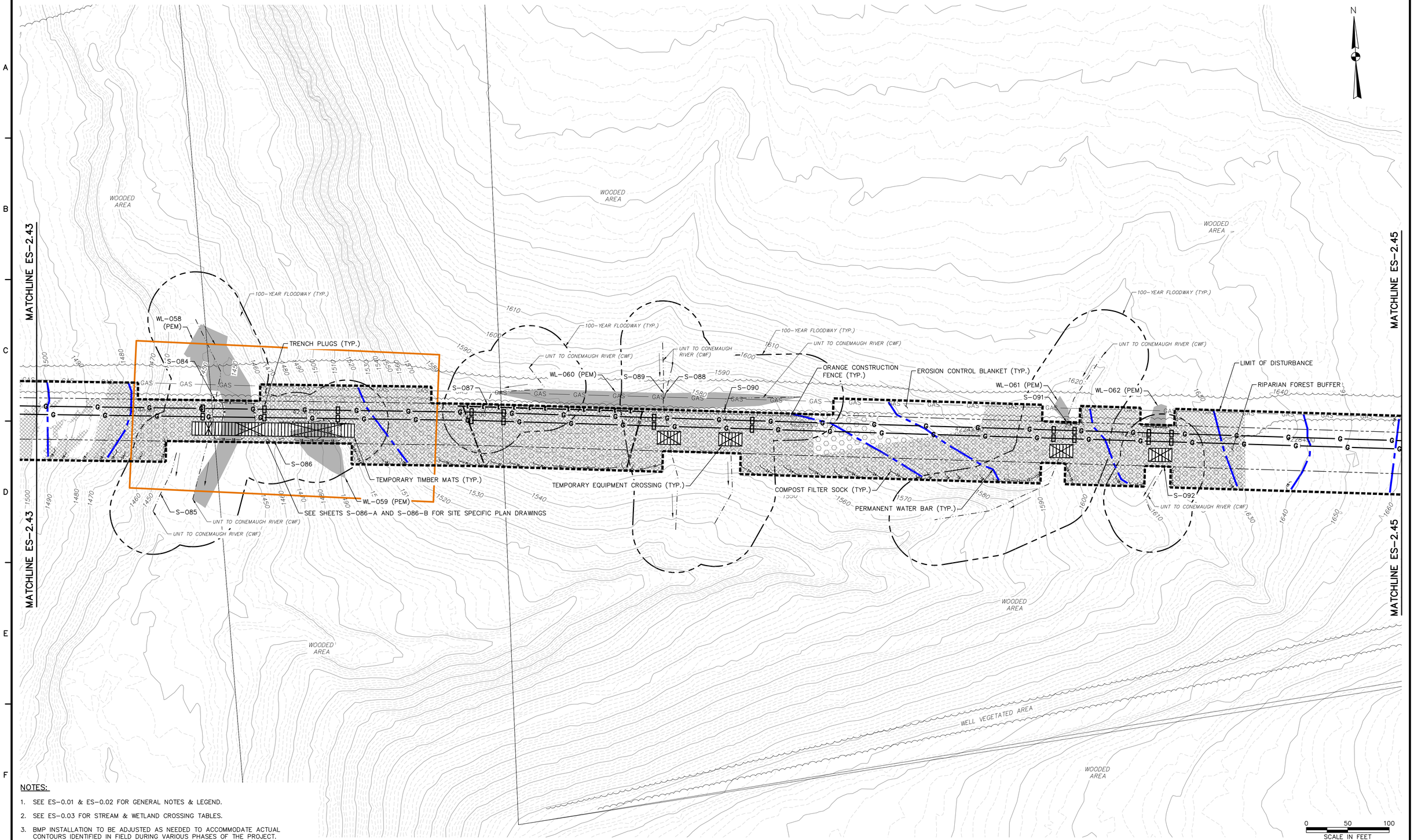

NOTES:

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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER ROBERT F. SIMCIK PE-059435-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 44 OF 62

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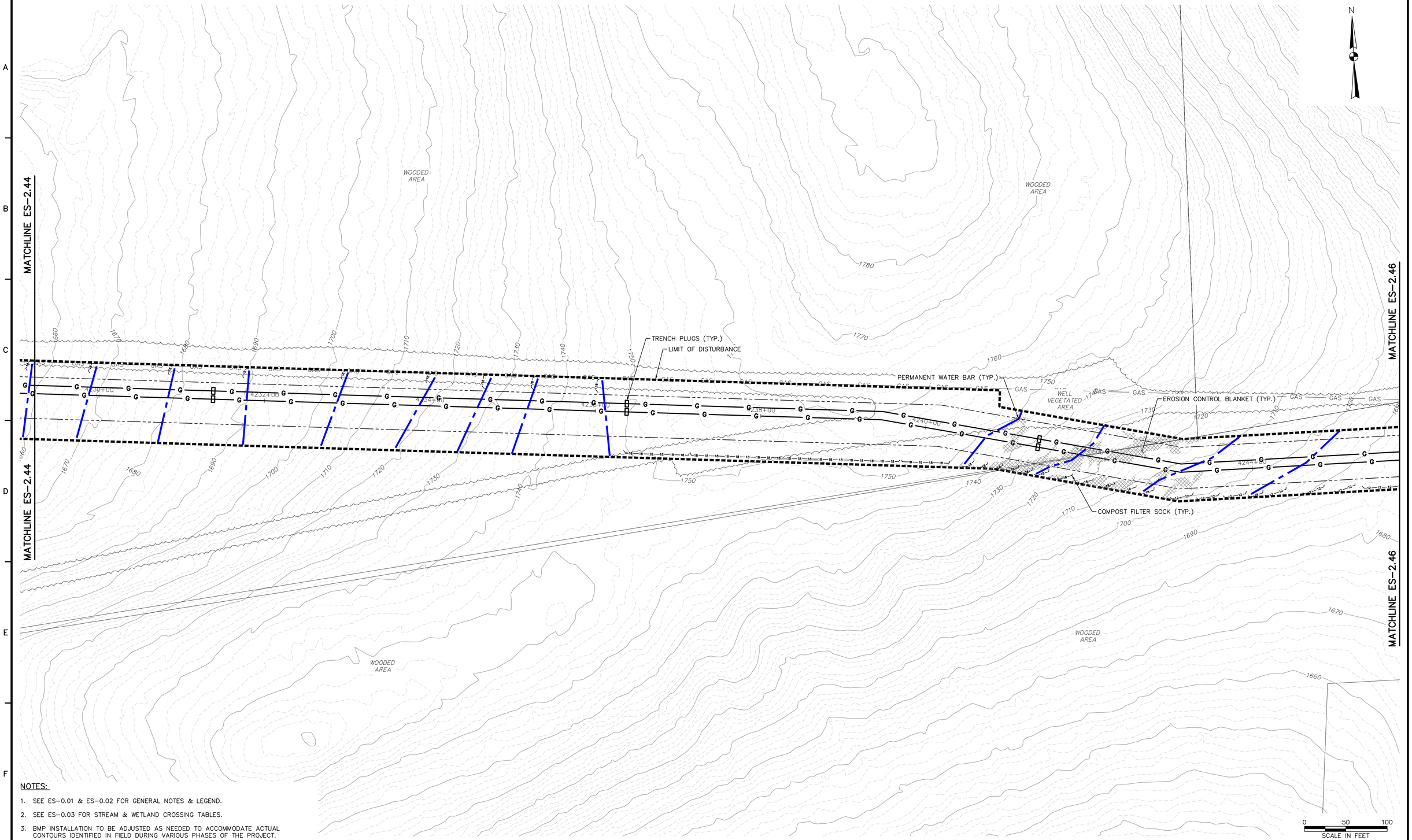

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COMMONWEALTH OF PENNSYLVANIA
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ENGINEER
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SUNOCO PIPELINE L.P.
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PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 45 OF 62

DATE:	NOVEMBER 2016
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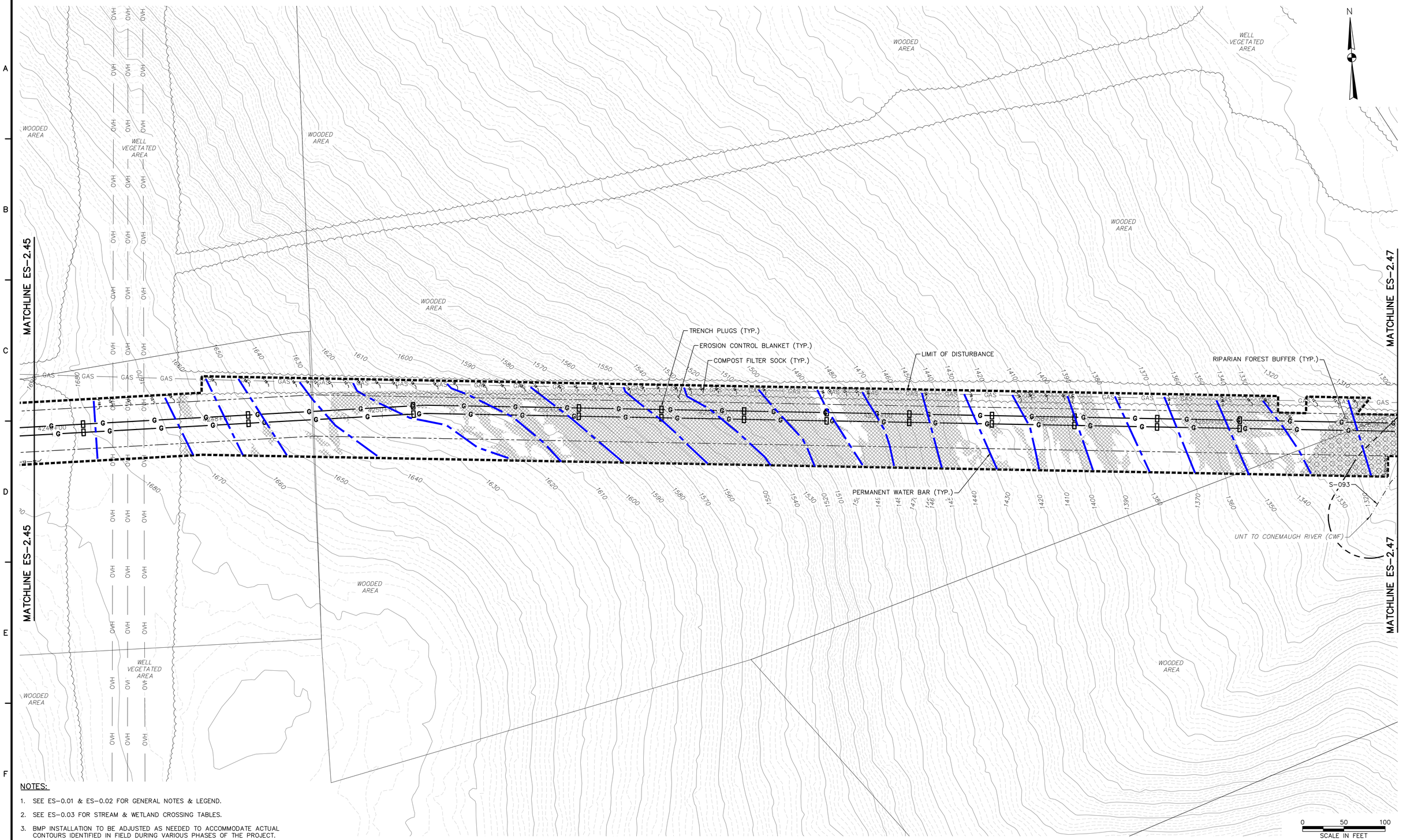

NOTES:

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PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT
EROSION & SEDIMENT CONTROL &
SITE RESTORATION PLAN
SHEET 46 OF 62

DATE:	NOVEMBER 2016
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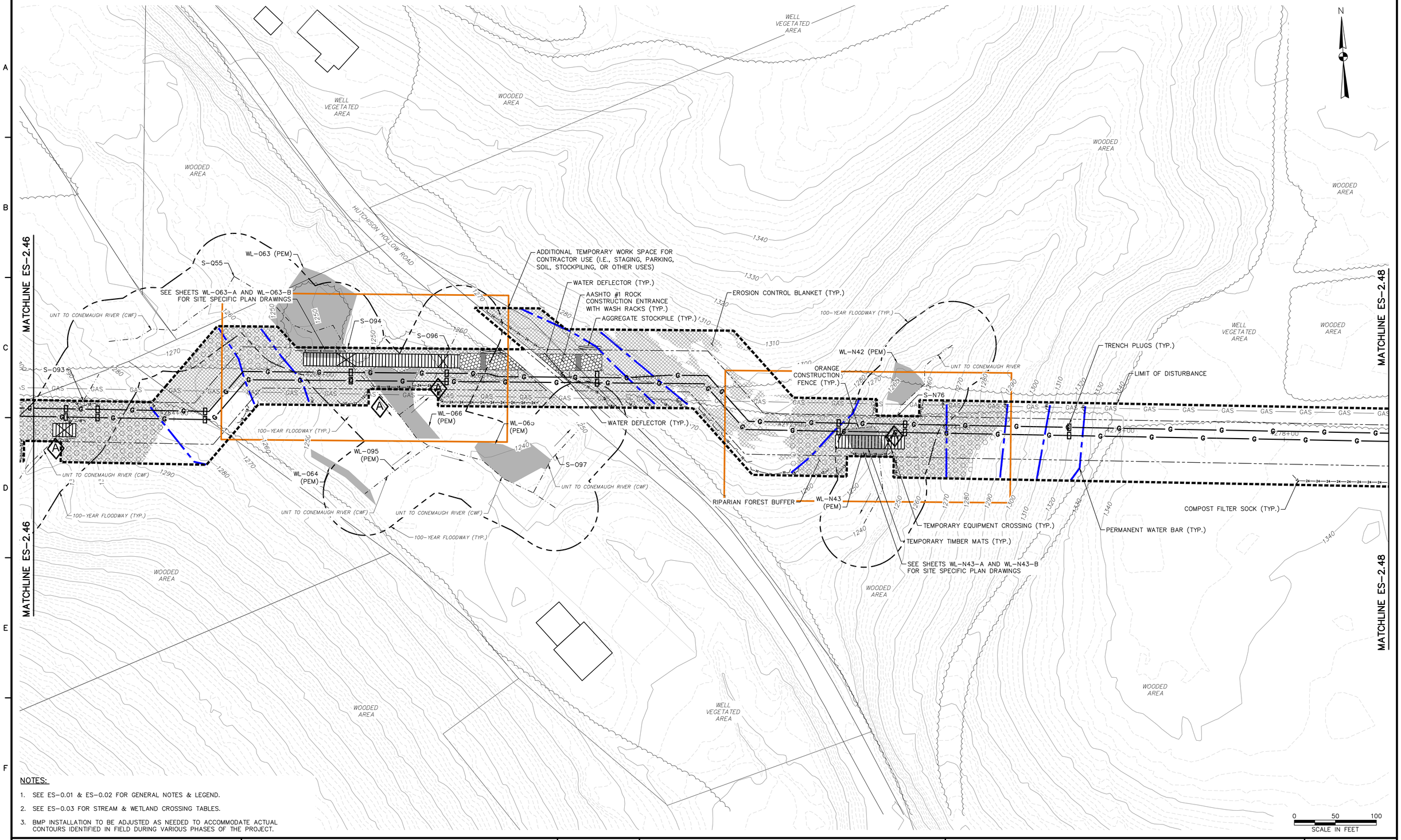

NOTES:

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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ROBERT F. SIMCIK ENGINEER PE-059436-E

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PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 47 OF 62

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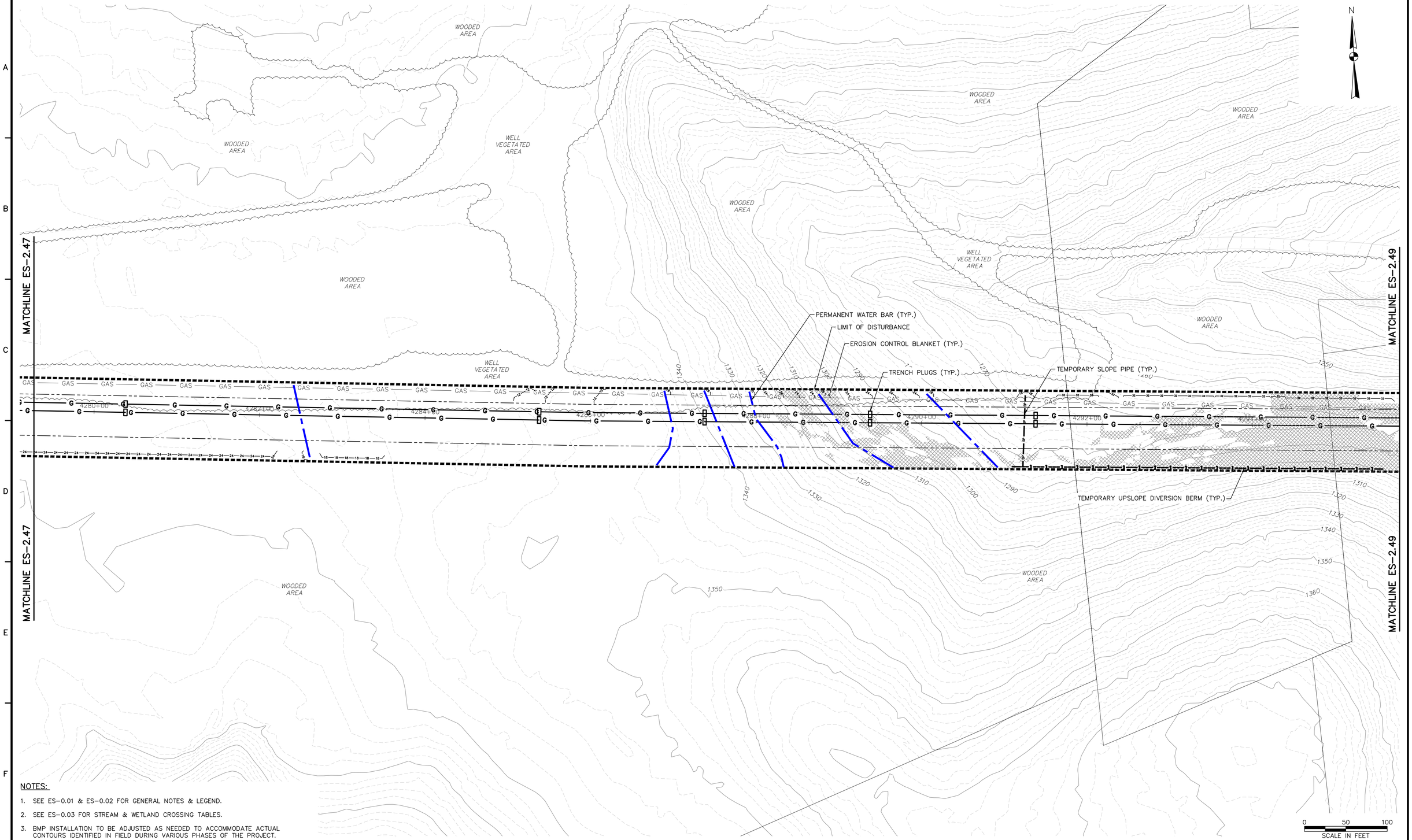

NOTES:

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REVISIONS

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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ROBERT F. SIMCIK ENGINEER PE-059435-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT
EROSION & SEDIMENT CONTROL &
SITE RESTORATION PLAN
SHEET 48 OF 62

DATE:	NOVEMBER 2016
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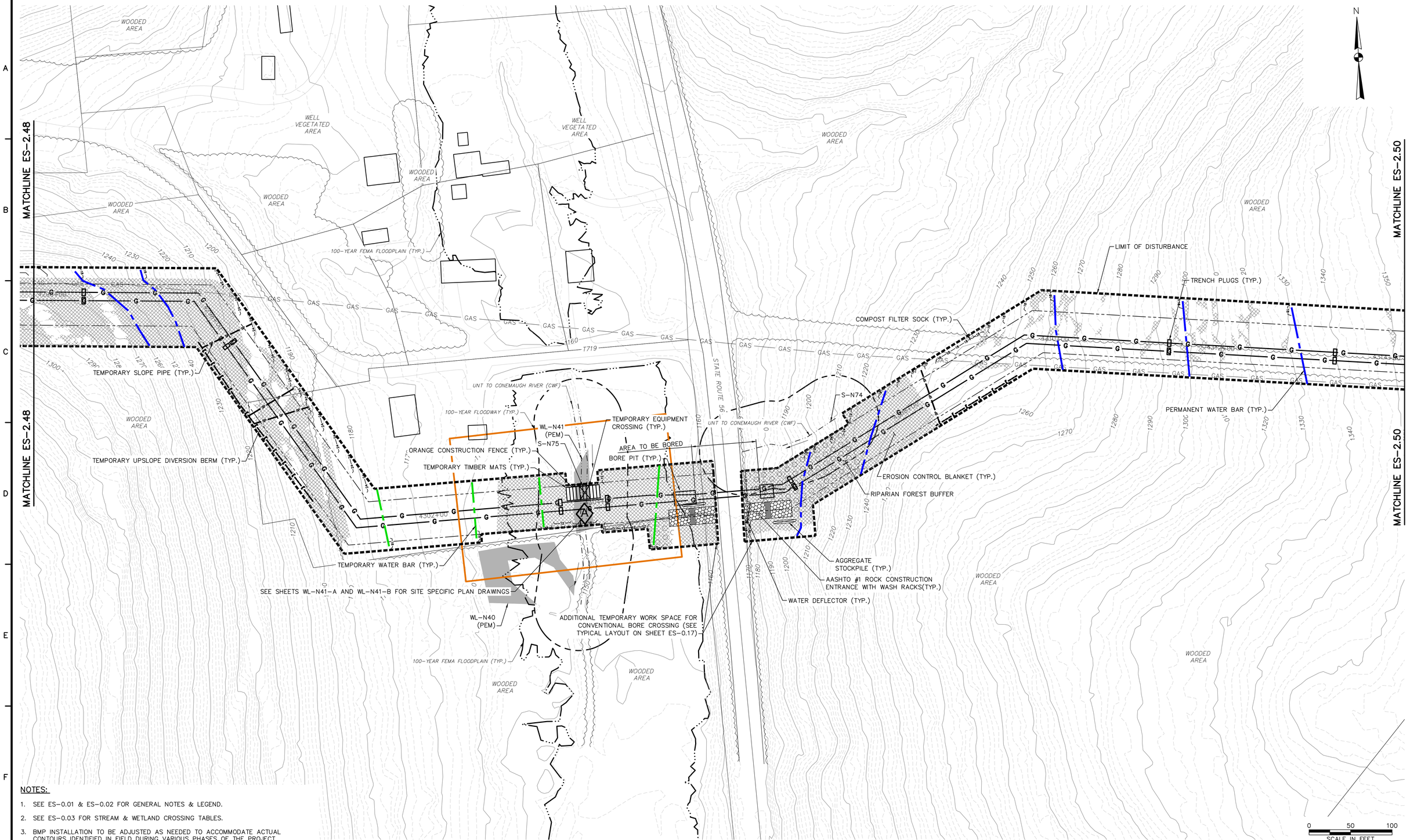

NOTES:

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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ROBERT F. SIMCIK ENGINEER PE-059435-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 49 OF 62

DATE:	NOVEMBER 2016
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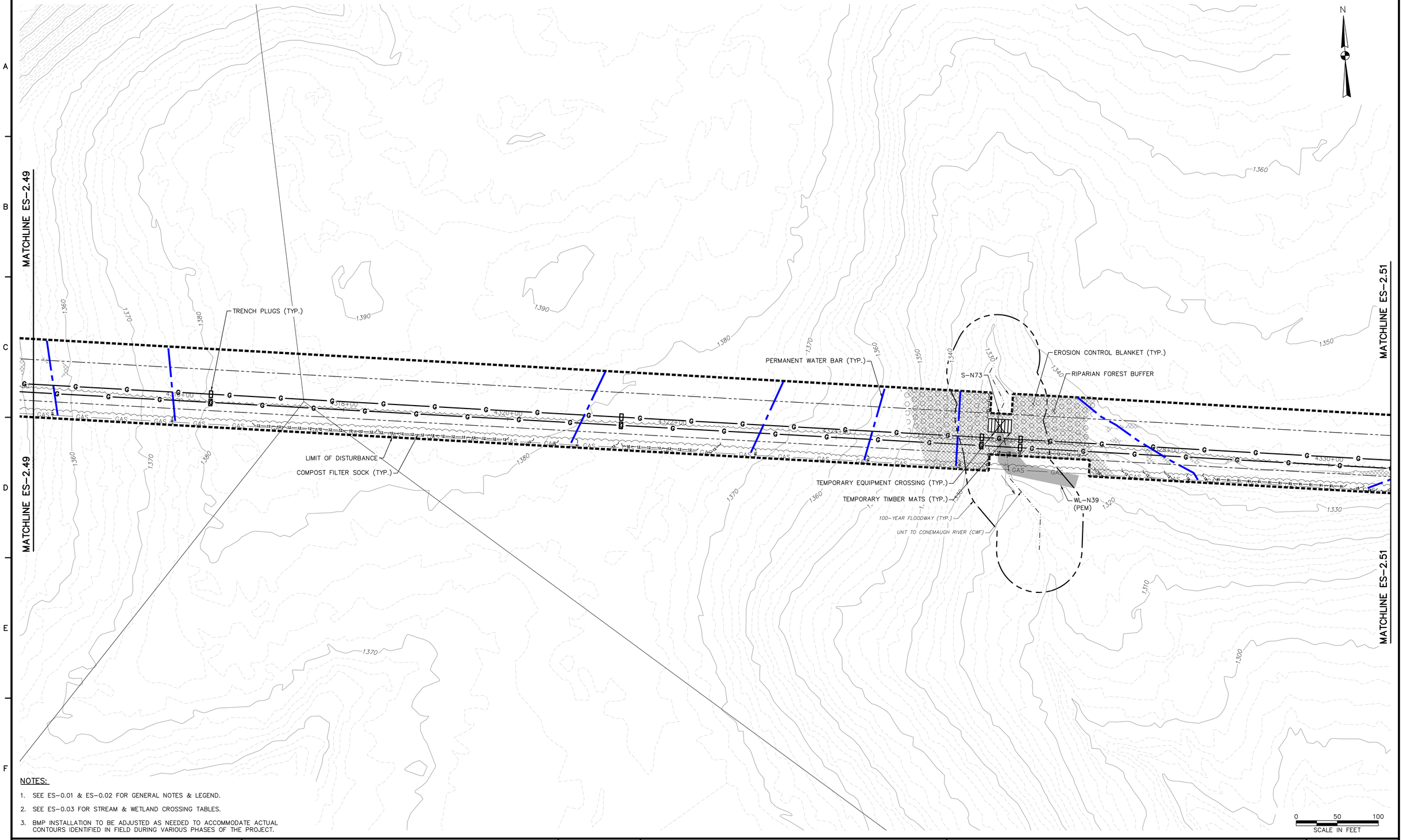

NOTES:

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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER ROBERT F. SIMCIK

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 50 OF 62

DATE:	NOVEMBER 2016
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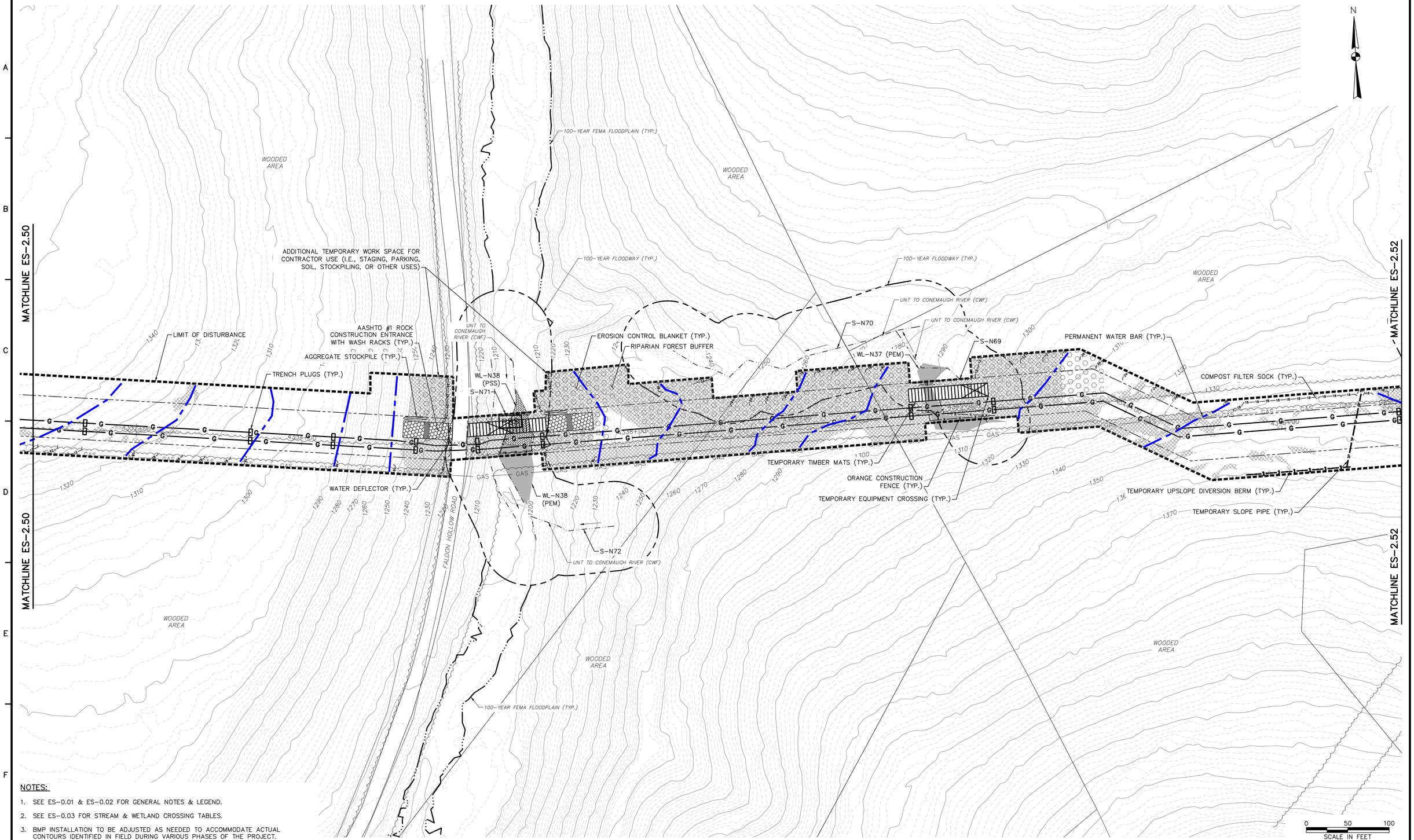

NOTES:

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COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — ROBERT F. SIMCIK — ENGINEER — PE-059435-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 51 OF 62

DATE:	NOVEMBER 2016
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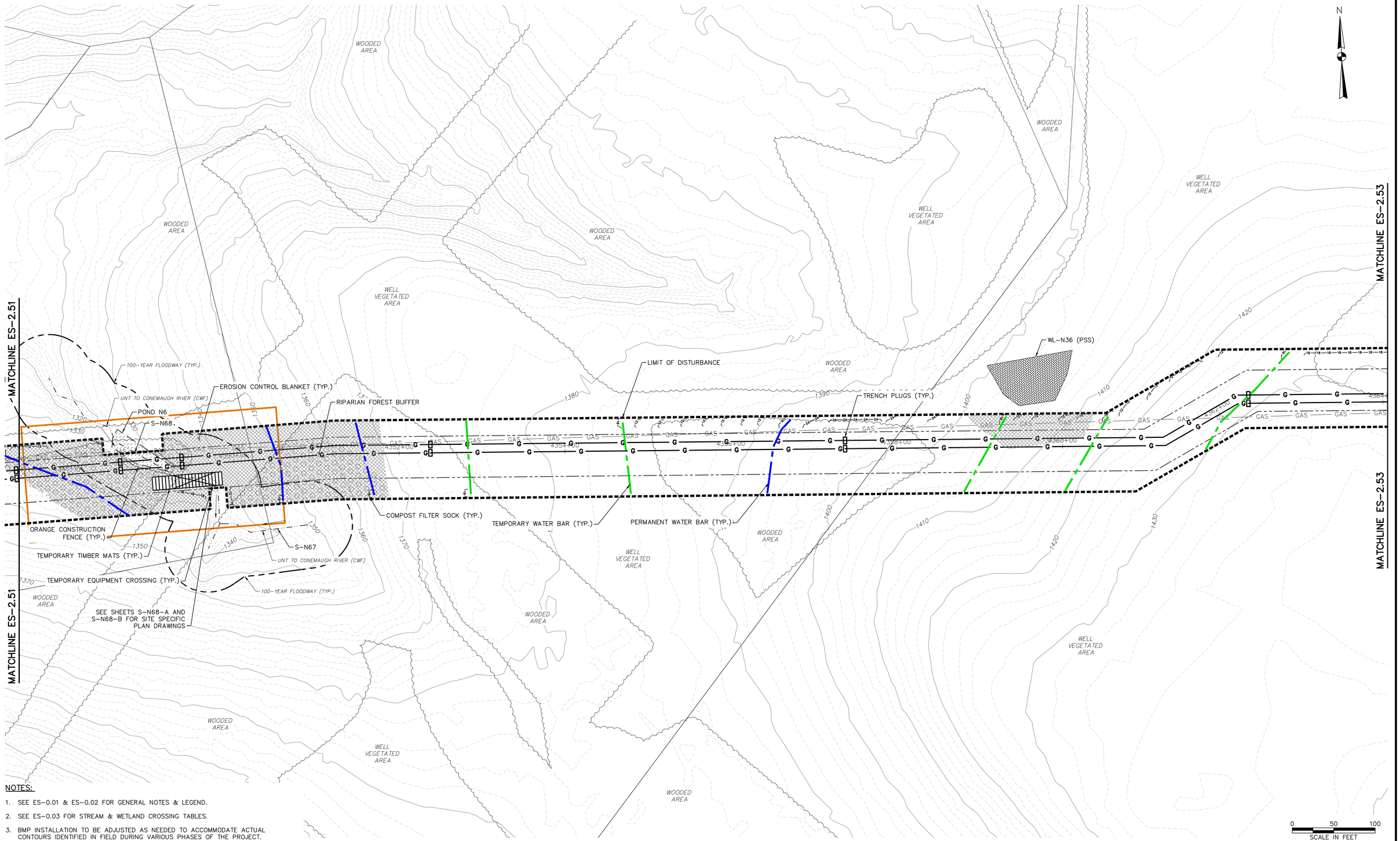

NOTES:

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COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — ROBERT F. SIMCIK — ENGINEER PE-039435-E

SUNOCO PIPELINE L.P.
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PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 52 OF 62

DATE:	NOVEMBER 2016
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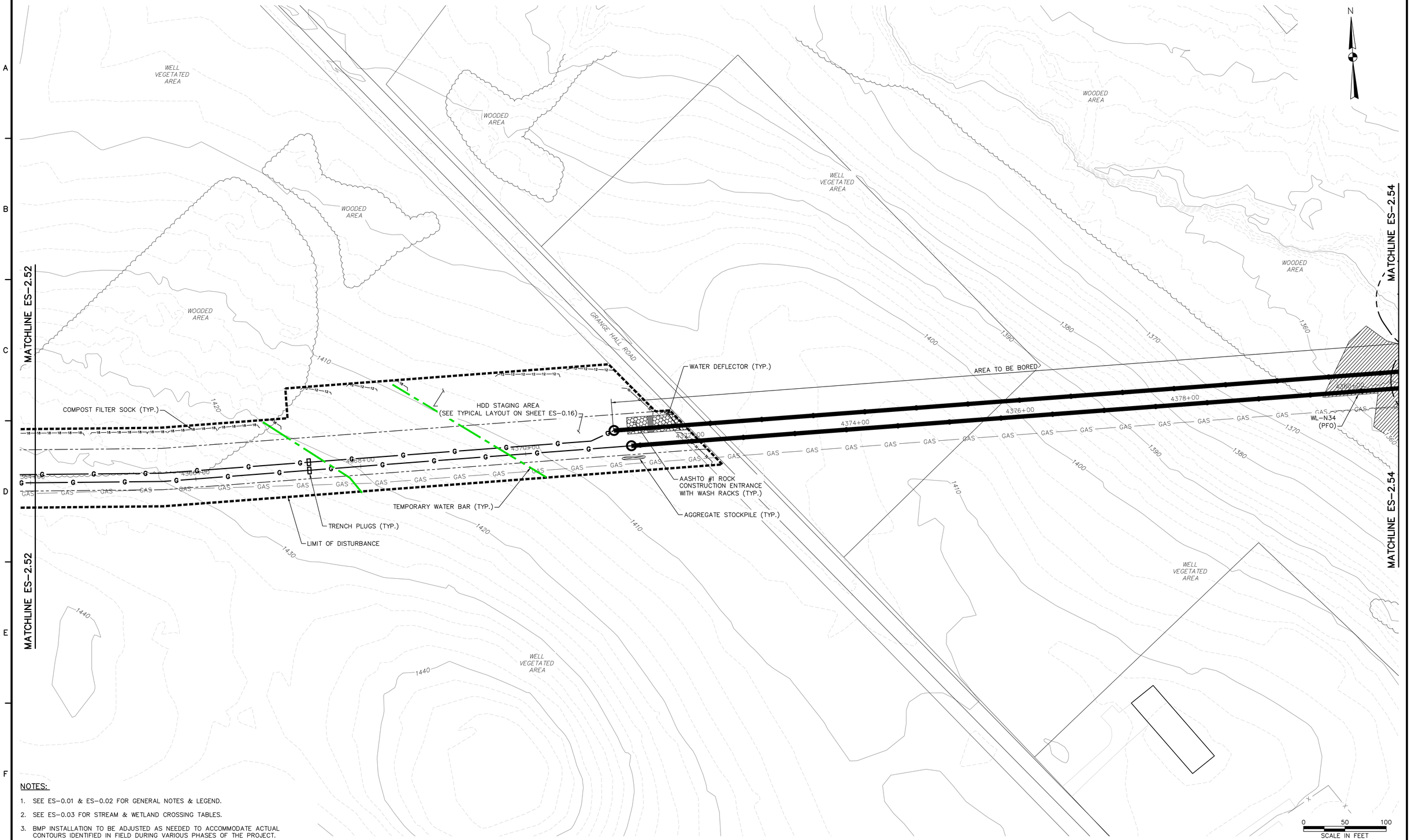

NOTES:

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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER ROBERT F. SIMCIK

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 53 OF 62

DATE:	NOVEMBER 2016
PROJECT NO.:	112C05958
DESIGNED BY:	JB
DRAWN BY:	BH
CHECKED BY:	RS

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ES-2.53
SHEET 2.53 OF 89

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MATCHLINE ES-2.53

MATCHLINE ES-2.53

MATCHLINE ES-2.55

WL-N35 (PSS)

WL-N34 (PFO)

HDD STAGING AREA
(SEE TYPICAL LAYOUT ON SHEET ES-0.16)

AREA TO BE BORED

TEMPORARY WATER BAR (TYP.)

LIMIT OF DISTURBANCE

TRENCH PLUGS (TYP.)

EROSION CONTROL BLANKET (TYP.)

COMPOST FILTER SOCK (TYP.)

WL-N34
(PEM)

WL-N34
(PFO)

S-N65

S-N66

WL-055
(PEM)

S-078

SEE SHEETS WL-055-A AND WL-055-B FOR SITE SPECIFIC PLAN DRAWINGS

TEMPORARY EQUIPMENT CROSSING (TYP.)

TEMPORARY TIMBER MATS (TYP.)

ADDITIONAL TEMPORARY WORK SPACE FOR CONVENTIONAL
BORE CROSSING (SEE TYPICAL LAYOUT ON SHEET ES-0.17)

GRANGE HALL ROAD
VEGETATED GEOWEB BLOCK VALVE
AND ACCESS ROAD

PERMANENT ACCESS ROAD
TO BE MAINTAINED ON EXISTING GRADE
(ID# PPP-AR-064)

AASHTO #1 ROCK
CONSTRUCTION ENTRANCE
WITH WASH RACKS (TYP.)

AGGREGATE STOCKPILE (TYP.)

BORE PIT
(TYP.)

TEMPORARY
SLOPE PIPE
(TYP.)

PERMANENT WATER BAR (TYP.)

SEE SHEETS S-076-A AND S-076-B
FOR SITE SPECIFIC PLAN DRAWINGS

S-076

S-077

TEMPORARY UPSLOPE DIVERSION BERM (TYP.)

RIPARIAN FOREST BUFFER

100-YEAR FLOODWAY (TYP.)

100-YEAR FEMA FLOODPLAIN (TYP.)

UNT TO FINDLEY RUN (HQ-CWF)

GRANGE HALL ROAD

CRAMER PIKE / 403

WELL VEGETATED AREA

WOODED AREA

HAO

OVH

GAS

NOTES:

1. SEE ES-0.01 & ES-0.02 FOR GENERAL NOTES & LEGEND.
2. SEE ES-0.03 FOR STREAM & WETLAND CROSSING TABLES.
3. BMP INSTALLATION TO BE ADJUSTED AS NEEDED TO ACCOMMODATE ACTUAL CONTOURS IDENTIFIED IN FIELD DURING VARIOUS PHASES OF THE PROJECT.

SCALE IN FEET: 0 50 100

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REVISIONS

NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER ROBERT F. SIMCIK PE-035435-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT
EROSION & SEDIMENT CONTROL &
SITE RESTORATION PLAN
SHEET 54 OF 62

DATE:	NOVEMBER 2016
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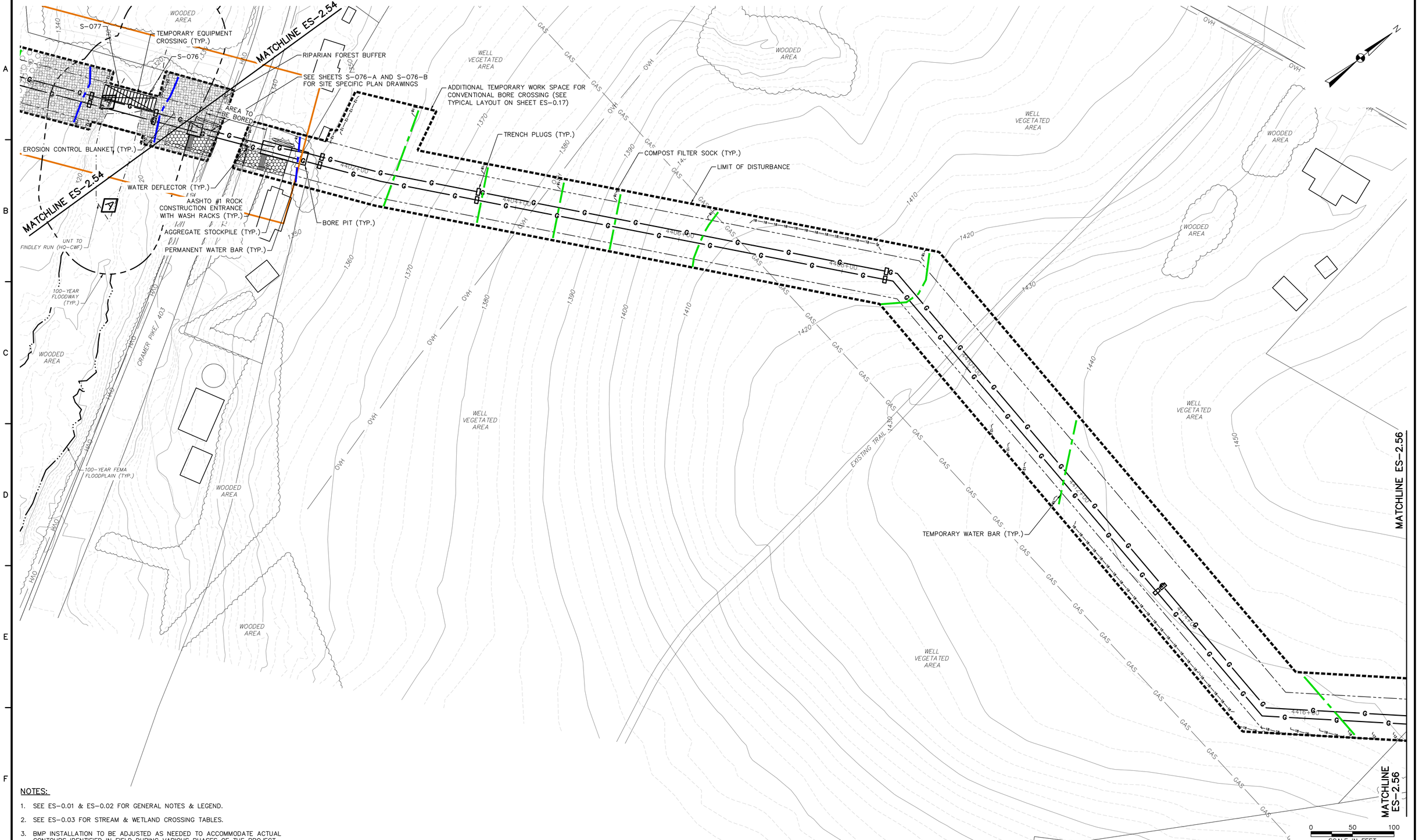

NOTES:

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REVISIONS

NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER ROBERT F. SIMCIK

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 55 OF 62

DATE:	NOVEMBER 2016
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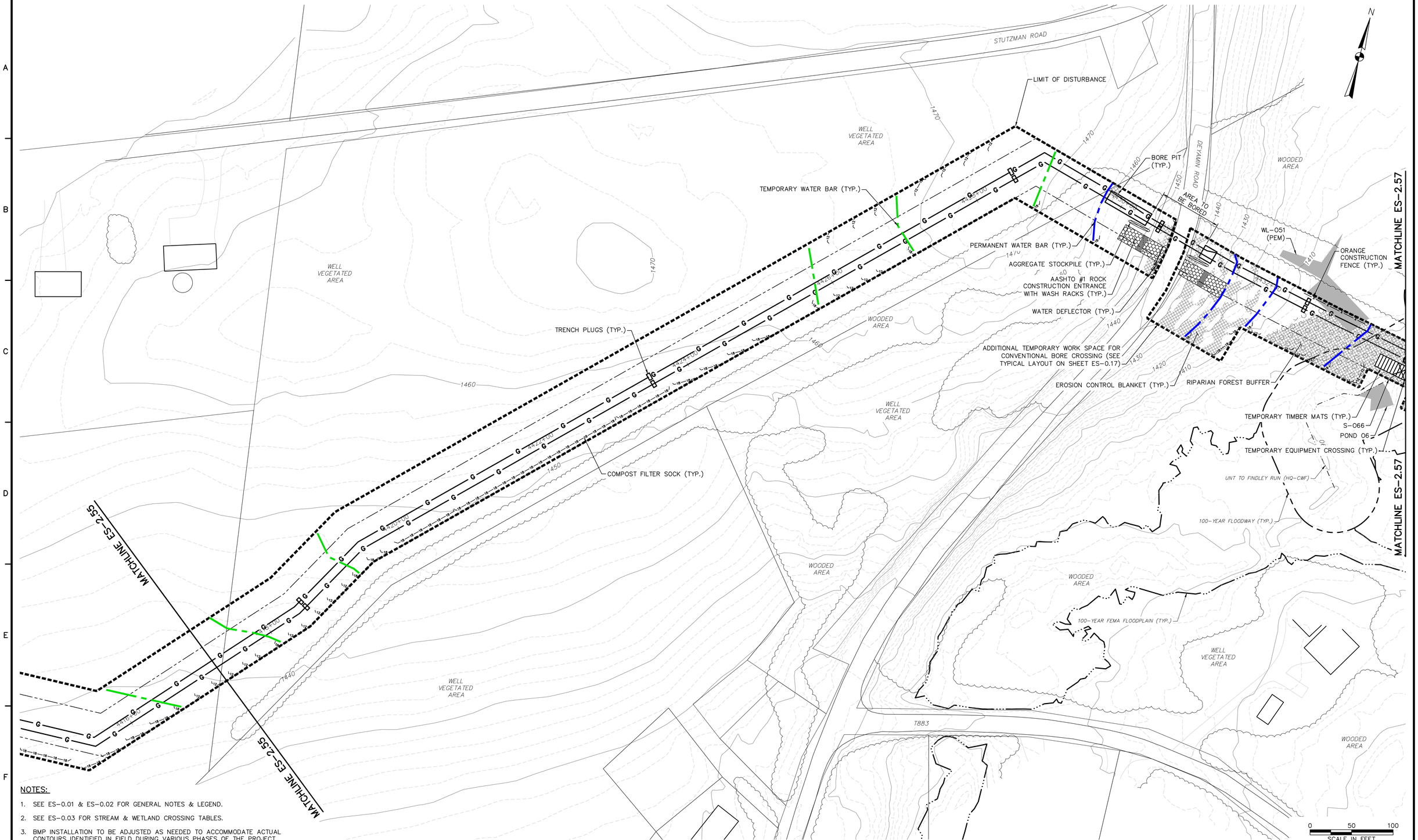

NOTES:

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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER ROBERT F. SIMCIK PE 059635-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT
EROSION & SEDIMENT CONTROL &
SITE RESTORATION PLAN
SHEET 56 OF 62

DATE:	NOVEMBER 2016
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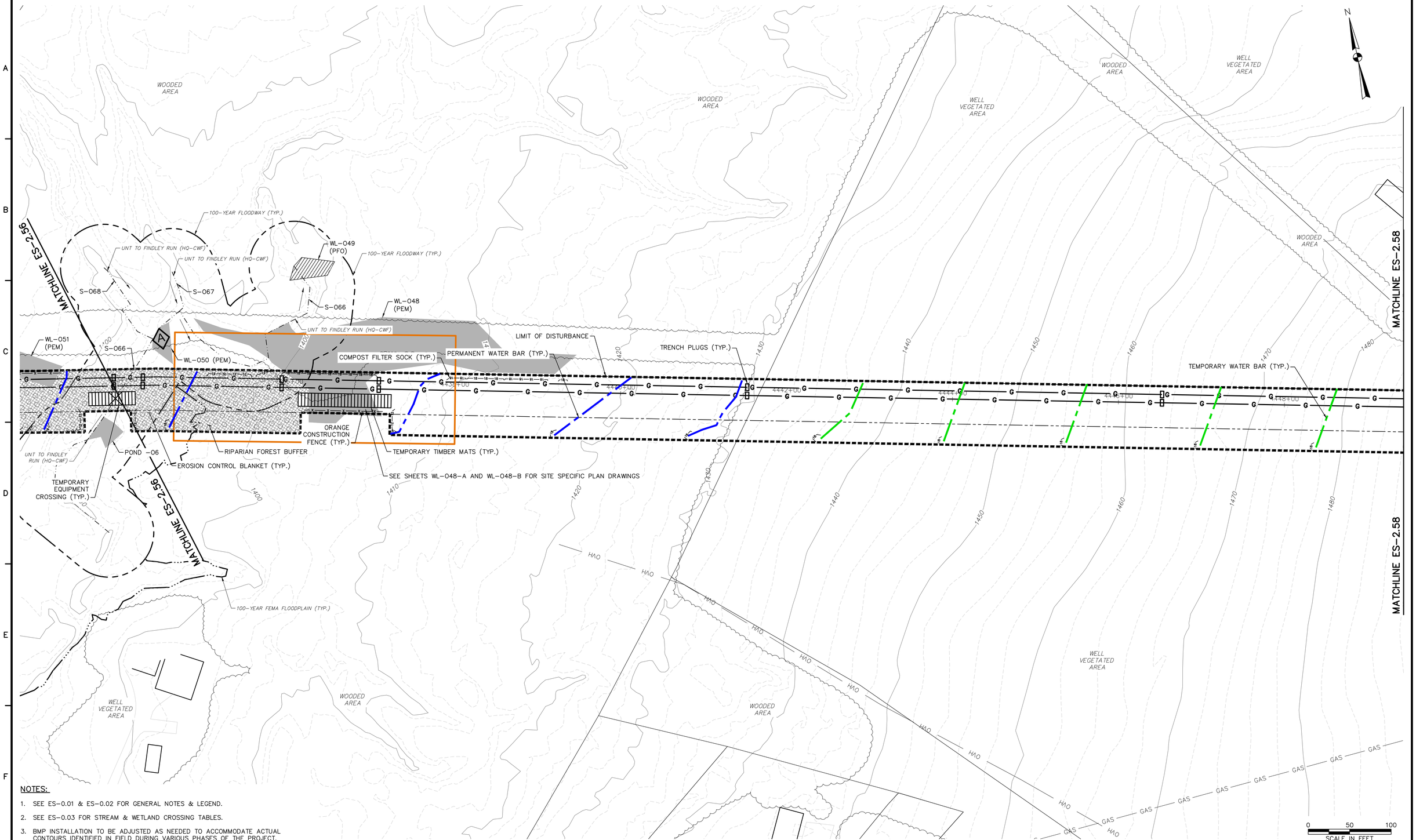

NOTES:

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2. SEE ES-0.03 FOR STREAM & WETLAND CROSSING TABLES.
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REVISIONS

NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA – REGISTERED PROFESSIONAL ENGINEER – ROBERT F. SIMCIK – PE-036436-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT
EROSION & SEDIMENT CONTROL &
SITE RESTORATION PLAN
SHEET 57 OF 62

DATE:	NOVEMBER 2016
PROJECT NO.:	112C05958
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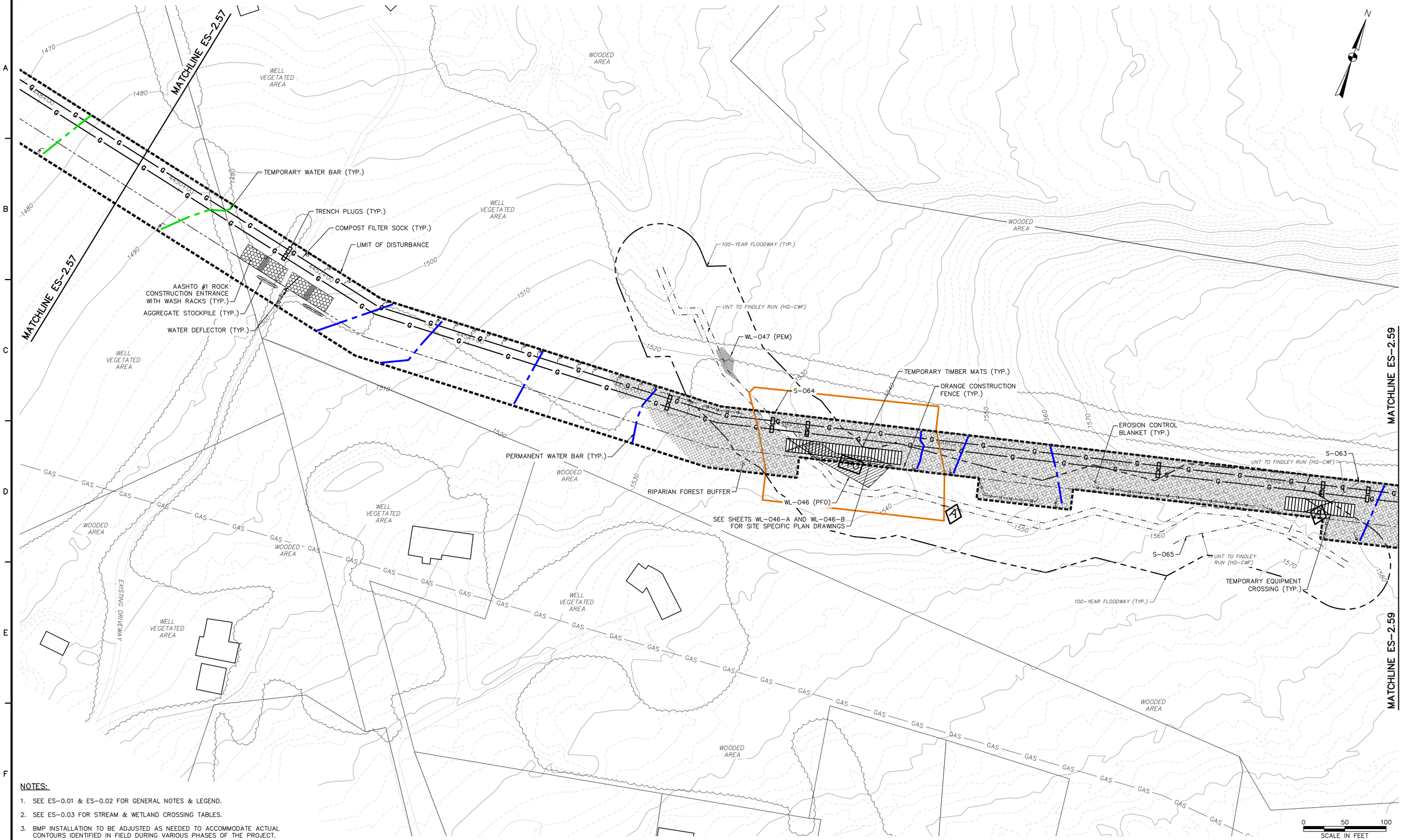

NOTES:

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2. SEE ES-0.03 FOR STREAM & WETLAND CROSSING TABLES.
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REVISIONS

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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ROBERT F. SIMCIK ENGINEER PE-059435-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 58 OF 62

DATE:	NOVEMBER 2016
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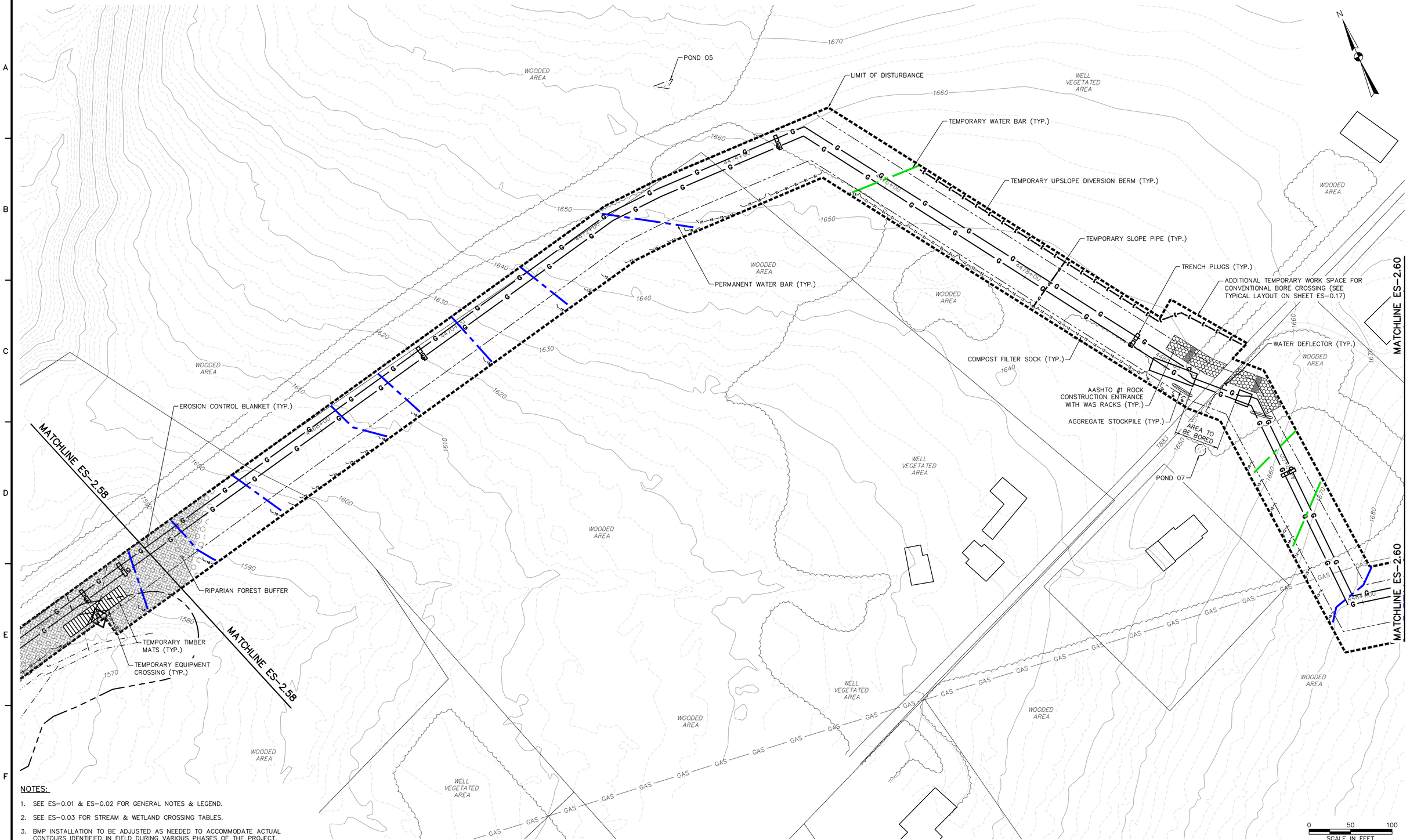

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2. SEE ES-0.03 FOR STREAM & WETLAND CROSSING TABLES.
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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER ROBERT F. SIMCIK PE-030436-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 59 OF 62

DATE:	NOVEMBER 2016
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MATCHLINE ES-2.59

MATCHLINE ES-2.61

WOODED AREA

WELL VEGETATED AREA

UNT TO FINDLEY RUN (HQ-CWF)

S-071

WL-053 (PFO)

100-YEAR FLOODWAY (TYP.)

S-070

ORANGE CONSTRUCTION FENCE (TYP.)

S-069

WL-134 (PEM)

WL-052 (PEM)

LIMIT OF DISTURBANCE

COMPOST FILTER SOCK (TYP.)

TRENCH PLUGS (TYP.)

EROSION CONTROL BLANKET (TYP.)

PERMANENT WATER BAR (TYP.)

RIPARIAN FOREST BUFFER

TEMPORARY EQUIPMENT CROSSING (TYP.)

SEE SHEETS WL-052-A AND WL-052-B FOR SITE SPECIFIC PLAN DRAWINGS

TEMPORARY WATER BAR (TYP.)

N

0 50 100

SCALE IN FEET

NOTES:

1. SEE ES-0.01 & ES-0.02 FOR GENERAL NOTES & LEGEND.
2. SEE ES-0.03 FOR STREAM & WETLAND CROSSING TABLES.
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REVISIONS

NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA — REGISTERED PROFESSIONAL — ROBERT F. SIMCIK — ENGINEER — PE 029435-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT
EROSION & SEDIMENT CONTROL &
SITE RESTORATION PLAN
SHEET 60 OF 62

DATE:	NOVEMBER 2016
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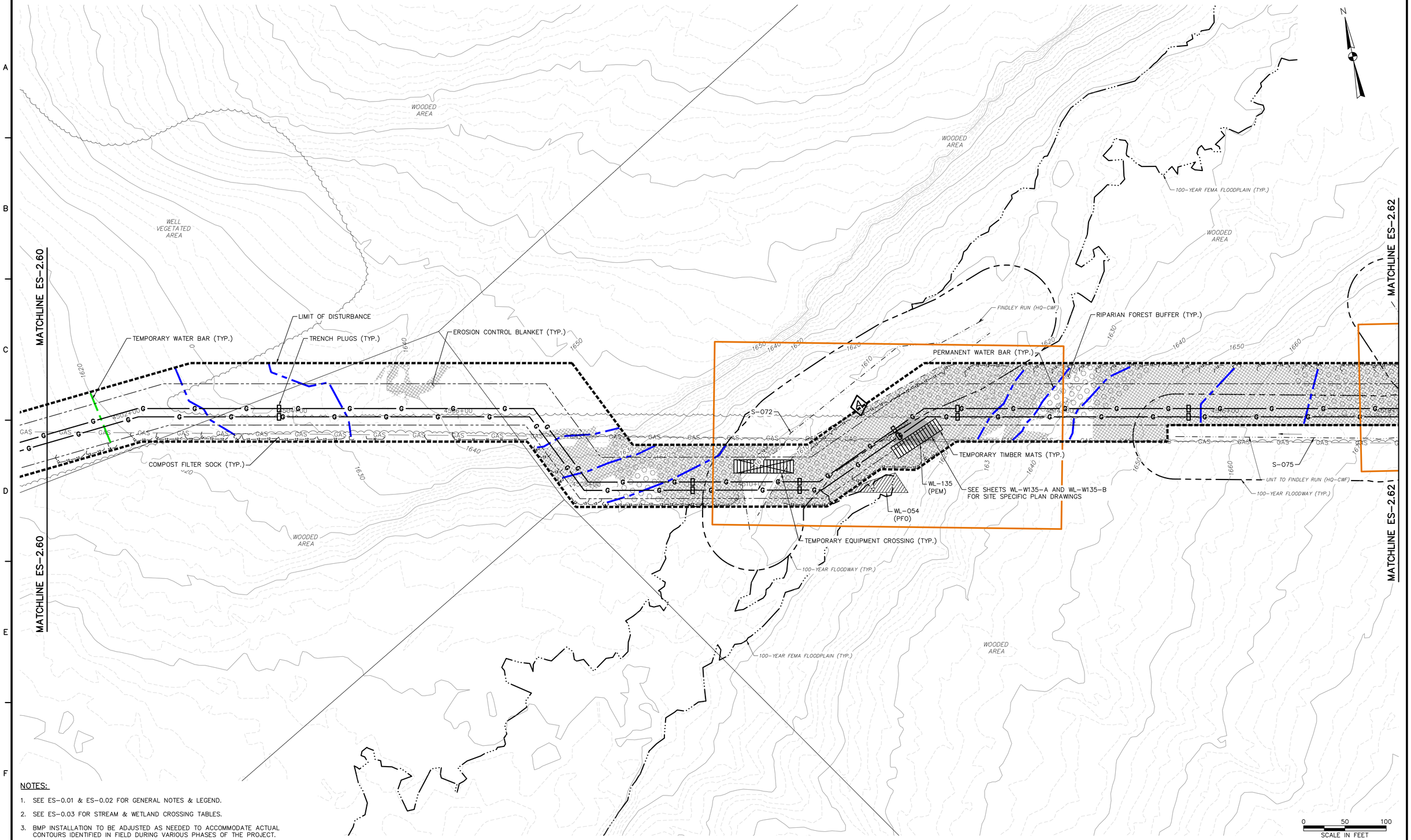

NOTES:

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REVISIONS

NO.	BY	DATE	REMARKS

COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER ROBERT F. SIMCIK PE-090848-E

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT EROSION & SEDIMENT CONTROL & SITE RESTORATION PLAN SHEET 61 OF 62

DATE:	NOVEMBER 2016
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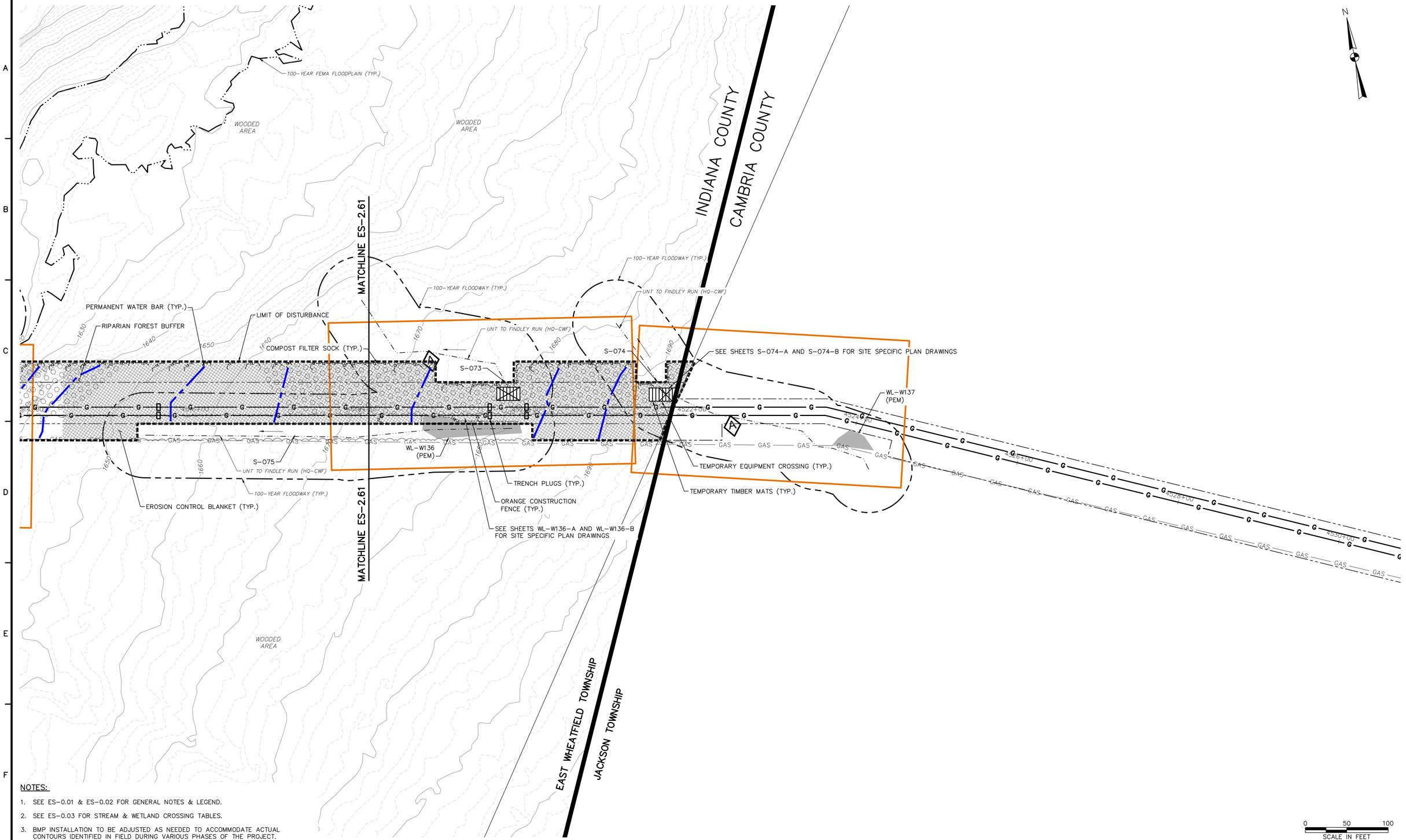

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COMMONWEALTH OF PENNSYLVANIA REGISTERED PROFESSIONAL ROBERT F. SIMCIK ENGINEER

SUNOCO PIPELINE L.P.
SINKING SPRING, PENNSYLVANIA

PENNSYLVANIA PIPELINE PROJECT
CONSTRUCTION SPREAD 2

1-16" & 1-20" PROPOSED WELDED STEEL NATURAL GAS LIQUIDS PIPELINES

INDIANA COUNTY CONSERVATION DISTRICT
EROSION & SEDIMENT CONTROL &
SITE RESTORATION PLAN
SHEET 62 OF 62

DATE:	NOVEMBER 2016
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