

Stream S-K74, Perennial
 Tuscarora Creek
 Chapter 93: CWF, MF
 PAFBC: ATW, STS
 Coordinates: 40.3014, -77.6965
 Stream Impact: 117ft² E&S Sheet: ES-3.05
 Perm. Floodway Impact: 0.039 acres
 Temp. Floodway Impact: 0.008 acres
 Crossing Type: HDD
 OHW Width: 38 Permit: Individual
No In-Stream Work from 3/1-6/15
No Water Withdrawal or Discharge from 3/1-6/15

Wetland K60, PFO
 HUC12: 020503040902
 Coordinates: 40.3013, -77.6946
 Perm. Impact: 0.004 acres
 Temp. Impact: 0 acres
 Crossing Type: HDD
 E&S Sheet: ES-3.05 Permit: Individual

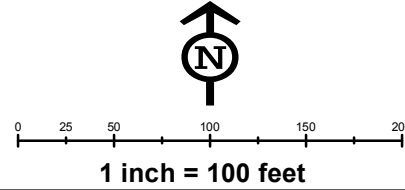
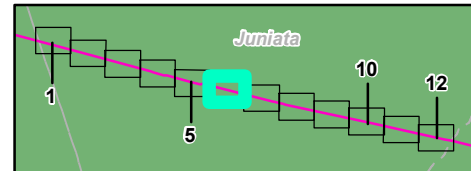
Stream S-K74, Ch. 106 area
 Tuscarora Creek
 Coordinates: 40.3014, -77.6965
 Perm. Floodplain Impact: 0.766 acres
 Temp. Floodplain Impact: 1.266 acres
 Crossing Type: HDD/Floodplain Crossing

Stream S-K75, Ephemeral
 UNT to Tuscarora Creek
 Chapter 93: Drains to CWF, MF
 PAFBC: Drains to ATW, STS
 Coordinates: 40.3012, -77.6966
 Stream Impact: 0ft² E&S Sheet: ES-3.05
 Perm. Floodway Impact: 0.039 acres
 Temp. Floodway Impact: 0.008 acres
 Crossing Type: Floodway Only
 OHW Width: 3 Permit: Individual
No In-Stream Work from 3/1-6/15

Wetland K59, PEM
 HUC12: 020503040902
 Coordinates: 40.3014, -77.6958
 Perm. Impact: 0.001 acres
 Temp. Impact: 0 acres
 Crossing Type: HDD
 E&S Sheet: ES-3.05 Permit: Individual

- Legend**
- Sheet Boundary
 - PPP 1
 - PPP 2
 - PPP 1, Bore
 - PPP 1, HDD
 - PPP 2, Bore
 - PPP 2, HDD
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ATWS for equipment storage and staging area for HDD.

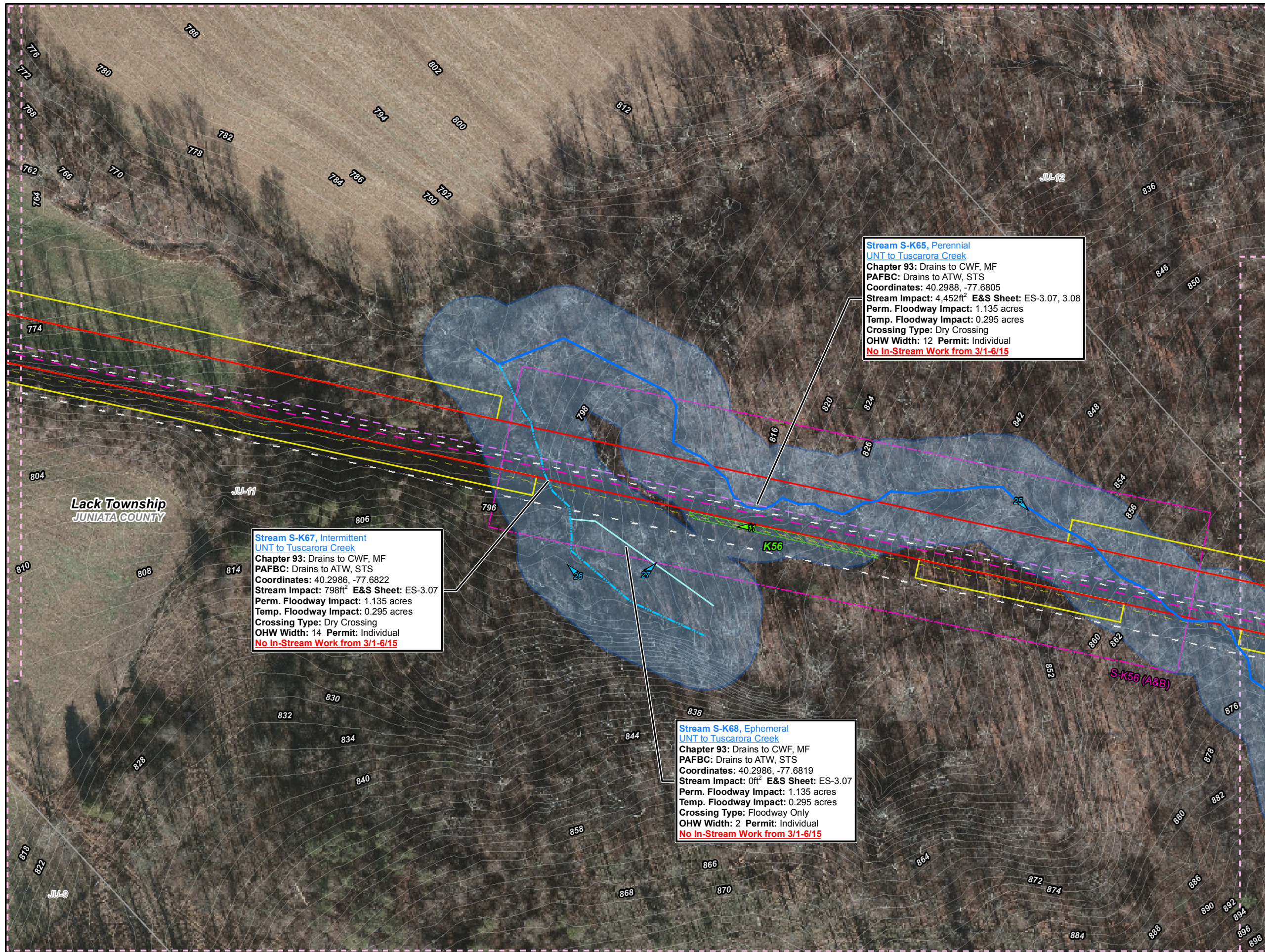


Site Plan for the Sunoco Pennsylvania Pipeline Project, Juniata County, PA.
 Sheet 6 of 12

Prepared By: **TETRA TECH** Date: **02/2017**

Base Map: SPLP 2014-2016, Roads from NRCS Geo-spatial Data Giveaway, 100-Year Floodplain from FEMA NFHL, downloaded 9/2016. Aquatics, TT 2013-2016.
 Coordinate System: NAD 83 Stateplane, PA South, Feet

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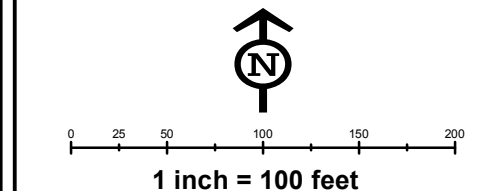
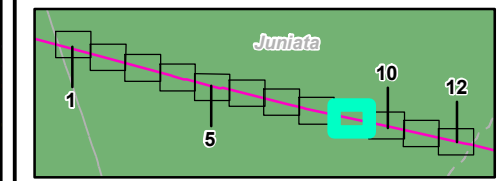


Stream S-K65, Perennial
 UNT to Tuscarora Creek
 Chapter 93: Drains to CWF, MF
 PAFBC: Drains to ATW, STS
 Coordinates: 40.2988, -77.6805
 Stream Impact: 4,452ft² E&S Sheet: ES-3.07, 3.08
 Perm. Floodway Impact: 1.135 acres
 Temp. Floodway Impact: 0.295 acres
 Crossing Type: Dry Crossing
 OHW Width: 12 Permit: Individual
No In-Stream Work from 3/1-6/15

Stream S-K67, Intermittent
 UNT to Tuscarora Creek
 Chapter 93: Drains to CWF, MF
 PAFBC: Drains to ATW, STS
 Coordinates: 40.2986, -77.6822
 Stream Impact: 798ft² E&S Sheet: ES-3.07
 Perm. Floodway Impact: 1.135 acres
 Temp. Floodway Impact: 0.295 acres
 Crossing Type: Dry Crossing
 OHW Width: 14 Permit: Individual
No In-Stream Work from 3/1-6/15

Stream S-K68, Ephemeral
 UNT to Tuscarora Creek
 Chapter 93: Drains to CWF, MF
 PAFBC: Drains to ATW, STS
 Coordinates: 40.2986, -77.6819
 Stream Impact: 0ft² E&S Sheet: ES-3.07
 Perm. Floodway Impact: 1.135 acres
 Temp. Floodway Impact: 0.295 acres
 Crossing Type: Floodway Only
 OHW Width: 2 Permit: Individual
No In-Stream Work from 3/1-6/15

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 - Waived Floodway
 - Ch. 106 Floodplain Fringe



**Site Plan for the Sunoco
 Pennsylvania Pipeline Project,
 Juniata County, PA.
 Sheet 9 of 12**

Prepared By: TETRA TECH	Date: 02/2017
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Base Map: SPLP 2014-2016, Roads from NRCS Geo-spatial Data Giveaway, 100-Year Floodplain from FEMA NFHL, downloaded 9/2016. Aquatics, TT 2013-2016.
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TIMBER RATTLESNAKE AREA
See Conservation Plan for Requirements

Stream S-K63, Ephemeral
UNT to Tuscarora Creek
Chapter 93: Drains to CWF, MF
PAFBC: Drains to ATW, STS
Coordinates: 40.2983, -77.6783
Stream Impact: 1,128ft² E&S Sheet: ES-3.08
Perm. Floodway Impact: 1.135 acres
Temp. Floodway Impact: 0.295 acres
Crossing Type: Dry Crossing
OHW Width: 12 Permit: Individual

Stream S-K61, Perennial
UNT to Tuscarora Creek
Chapter 93: Drains to CWF, MF
PAFBC: Drains to ATW, STS
Coordinates: 40.2978, -77.6771
Stream Impact: 308ft² E&S Sheet: ES-3.08
Perm. Floodway Impact: 0.636 acres
Temp. Floodway Impact: 0.101 acres
Crossing Type: Dry Crossing
OHW Width: 4 Permit: Individual
No In-Stream Work from 3/1-6/15

Stream S-K59, Intermittent
UNT to Tuscarora Creek
Chapter 93: Drains to CWF, MF
PAFBC: Drains to ATW, STS
Coordinates: 40.2977, -77.6764
Stream Impact: 486ft² E&S Sheet: ES-3.08
Perm. Floodway Impact: 0.636 acres
Temp. Floodway Impact: 0.101 acres
Crossing Type: Dry Crossing
OHW Width: 9 Permit: Individual
No In-Stream Work from 3/1-6/15

Stream S-K58, Perennial
UNT to Tuscarora Creek
Chapter 93: Drains to CWF, MF
PAFBC: Drains to ATW, STS
Coordinates: 40.2980, -77.6761
Stream Impact: 1,428ft² E&S Sheet: ES-3.08
Perm. Floodway Impact: 0.636 acres
Temp. Floodway Impact: 0.101 acres
Crossing Type: Dry Crossing
OHW Width: 17 Permit: Individual
No In-Stream Work from 3/1-6/15

Stream S-K66, Perennial
UNT to Tuscarora Creek
Chapter 93: Drains to CWF, MF
PAFBC: Drains to ATW, STS
Coordinates: 40.2980, -77.6794
Stream Impact: 0ft² E&S Sheet: ES-3.08
Perm. Floodway Impact: 1.135 acres
Temp. Floodway Impact: 0.295 acres
Crossing Type: Floodway Only
OHW Width: 5 Permit: Individual
No In-Stream Work from 3/1-6/15

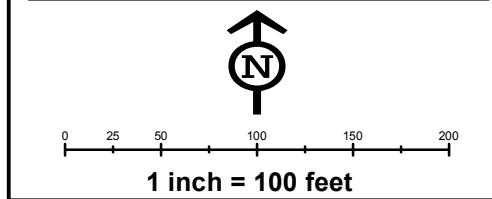
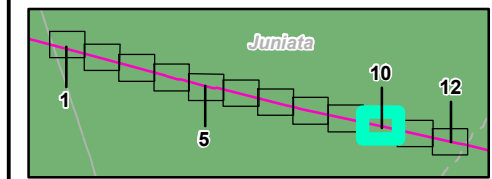
Stream S-K64, Intermittent
UNT to Tuscarora Creek
Chapter 93: Drains to CWF, MF
PAFBC: Drains to ATW, STS
Coordinates: 40.2979, -77.6783
Stream Impact: 0ft² E&S Sheet: ES-3.08
Perm. Floodway Impact: 1.135 acres
Temp. Floodway Impact: 0.295 acres
Crossing Type: Floodway Only
OHW Width: 4 Permit: Individual
No In-Stream Work from 3/1-6/15

Stream S-K62, Ephemeral
UNT to Tuscarora Creek
Chapter 93: Drains to CWF, MF
PAFBC: Drains to ATW, STS
Coordinates: 40.2980, -77.6773
Stream Impact: 74ft² E&S Sheet: ES-3.08
Perm. Floodway Impact: 0.636 acres
Temp. Floodway Impact: 0.101 acres
Crossing Type: Dry Crossing
OHW Width: 2 Permit: Individual

Stream S-K60, Ephemeral
UNT to Tuscarora Creek
Chapter 93: Drains to CWF, MF
PAFBC: Drains to ATW, STS
Coordinates: 40.2978, -77.6765
Stream Impact: 0ft² E&S Sheet: ES-3.08
Perm. Floodway Impact: 0.636 acres
Temp. Floodway Impact: 0.101 acres
Crossing Type: Floodway Only
OHW Width: 2 Permit: Individual
No In-Stream Work from 3/1-6/15

Stream S-K57, Perennial
UNT to Tuscarora Creek
Chapter 93: Drains to CWF, MF
PAFBC: Drains to ATW, STS
Coordinates: 40.2975, -77.6753
Stream Impact: 376ft² E&S Sheet: ES-3.08, 3.09
Perm. Floodway Impact: 0.636 acres
Temp. Floodway Impact: 0.101 acres
Crossing Type: Dry Crossing
OHW Width: 4 Permit: Individual
No In-Stream Work from 3/1-6/15

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Site Plan for the Sunoco Pennsylvania Pipeline Project, Juniata County, PA. Sheet 10 of 12

Prepared By: **TETRA TECH** Date: **02/2017**

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