

Application Type New  
Facility Type Storm Water  
Major / Minor Minor

**NPDES PERMIT FACT SHEET  
INDIVIDUAL INDUSTRIAL WASTE (IW)  
AND IW STORMWATER**

Application No. PA0267678  
APS ID 1054584  
Authorization ID 1381713

**Applicant and Facility Information**

Applicant Name	<u>Norfolk Southern Railway Co.</u>	Facility Name	<u>Norfolk Southern Railway Co. Greencastle Intermodal</u>
Applicant Address	<u>650 W Peachtree Street NW Atlanta, GA 30308-1925</u>	Facility Address	<u>612 Antrim Commons Drive Greencastle, PA 17225-1617</u>
Applicant Contact	<u>Terri Allen</u>	Facility Contact	<u>William Stetar</u>
Applicant Phone	<u>(404) 904-5122</u>	Facility Phone	<u>(973) 590-1586</u>
Client ID	<u>87064</u>	Site ID	<u>854243</u>
SIC Code	<u>4011</u>	Municipality	<u>Antrim Township</u>
SIC Description	<u>Trans. &amp; Utilities - Railroads, Line-Haul Operating</u>	County	<u>Franklin</u>
Date Application Received	<u>December 29, 2021</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>January 19, 2022</u>	If No, Reason	<u></u>
Purpose of Application	<u>NEW Individual NPDES Permit to discharge stormwater associated with industrial activity (Note: PAG-03 currently unavailable).</u>		

**Summary of Review**

This is a NEW application for a new facility for a NPDES individual permit for discharges of stormwater associated with industrial activity located in Antrim Township, Franklin County. **See Figures 1, 2, 3, and 4** for Site Location Map and Facility diagrams.

The facility's SIC code is 4011 (railroads, line-haul operating) which requires an NPDES permit.

The PAG-03 NPDES General Permit for discharges of stormwater associated with industrial activity expired September 21, 2021 and has been administratively through September 21, 2022 (see Notice of Extension of National Pollutant Discharge Elimination System General Permit for Discharges of stormwater associated with industrial activity (PAG-03) in Volume 51, Saturday, Saturday, September 18, 2021 issue of the Pa Bulletin [Pennsylvania Bulletin \(pacodeandbulletin.gov\)](http://pacodeandbulletin.gov)). During this period of administrative extension, no new coverage under the PAG-03 General Permit may be authorized by the Department. Therefore, Norfolk Southern Railway Company had to apply for an individual NPDES Permit to Discharge Industrial Stormwater.

*Note: A Public Notice of Draft NPDES General Permit for Discharges of stormwater associated with industrial activity (PAG-03) was published in Volume 52, Saturday, January 22, 2022 issue of the PA Bulletin [Pennsylvania Bulletin \(pacodeandbulletin.gov\)](http://pacodeandbulletin.gov)*

Facility Description: Activities conducted at the Facility include intermodal operations (the loading and unloading of railcar freight); equipment fueling, lubrication, and maintenance; and railcar switching. If the PAG-03 was available, they would fall under Appendix L based on their SIC Code.

Approve	Deny	Signatures	Date
x		<i>Brenda J Fruchtl</i> Brenda J. Fruchtl, P.G. / Licensed Professional Geologist	February 7, 2022
x		<i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	02/07/2022

### Summary of Review

The facility has one outfall, Outfall 001 which will be inspected semi-annually, and routine maintenance will be performed as needed by on-site personnel.  
There are no open violations for the client at this site.

EPA waiver is in effect.

The facility's PPC Plan was prepared in August 2021.

#### **Timeline and Background:**

*Note: The facility was previously covered under PAG-03 General Permit No PAR803733.*

**5/21/2020** – DEP received a Notice of Termination for NPDES Permit No PAR803733 which stated that the facility operations including all industrial activities have ceased, all industrial materials and residues have been removed, and all AST have been emptied and closed in accordance with federal and state regs.

**6/8/2020** – NPDES Permit No PAR803733 was terminated.

**9/30/2021** - A New PAG-03 NOI was submitted via OnBase Submission Ref No 33110 for the same facility previously covered under PAG-03 General Permit PAR803733.

**10/1/2021** – DEP sent an email for clarification and to explain the PAG-03 General Permit is not currently available for new coverage since it's administratively extended.

**10/13/2021** – Received email from TRC Companies explaining that Norfolk Southern did resume operations at the Greencastle Intermodal in September when the NOI was prepared. And they intend to be covered under the PAG-03 General Permit, as the operations and industrial activities are largely the same as the previous operation.

**10/14/2021** –DEP sent email and requested they submit an individual NPDES Permit application for discharges of stormwater associated with industrial activity (Individual NPDES Industrial Stormwater permit).

**10/14/2021** - DEP returned OnBase Submission ID 33110 and requested for resubmission using the individual NPDES Industrial Stormwater application.

**12/29/2021** – DEP received a hard copy of the New individual NPDES Permit application for discharges of stormwater associated with industrial activity for the facility as requested.

#### **Public Participation**

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>n/a (stormwater)</u>
Latitude	<u>39° 45' 41.67"</u>	Longitude	<u>-77° 44' 31.08"</u>
Wastewater Description: <u>Stormwater</u>			
Receiving Waters	<u>Unnamed Tributary to Conococheague Creek</u>	Stream Code	<u>64489</u>
NHD Com ID	<u>49479308</u>	RMI	<u>0.15</u>
Drainage Area	<u>2.29 sq miles</u>	Yield (cfs/mi <sup>2</sup> )	<u></u>
Q <sub>7-10</sub> Flow (cfs)	<u>0.493</u>	Q <sub>7-10</sub> Basis	<u>USGS StreamStats</u>
Watershed No.	<u>13-C</u>	Chapter 93 Class.	<u></u>
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u></u>		
Source(s) of Impairment	<u></u>		
TMDL Status	<u></u>	Name	<u></u>

There are no downstream public water supply intakes within PA. The discharge is approximately 8 river miles from the PA-MD border.

Outfall discharge is approximately 0.15 miles from UNT to Conococheague Creek

Drainage Area: 775,368 SF

% Impervious: 80%

Description of Materials / Activities in Drainage Area Exposed to Precipitation:

Tanks 1-7, Generator, Transformers TX1-TX5; 3 drums, Equipment fueling and lubrication operations at the maintenance pad and fueling area.

Description of Treatment or BMPs in Drainage Area to Control Pollutants in Stormwater:

Drains at maintenance pad and fueling area are directed to an oil/water separator for treatment before discharging to bioretention pond 1 with eventual discharge to Outfall 001. BMPs in the area include routine inspections and a stormwater retention pond.

<b>Compliance History</b>	
<b>Summary of DMRs:</b>	This is a new facility, no DMR data is available.
<b>Summary of Inspections:</b>	This is a new facility; no inspections have occurred yet.

Other Comments: There are no open violations for this site.

Stormwater sampling results were submitted from storm events occurring on 3/21/2019 and 10/16/2019 according to application (*however, they list that 4 storm events were sampled*). Note: These results are from when the facility was covered by PAG-03 General Permit No PAR803733 as the operations and industrial activities are largely the same as the previous operation. The results are as follows:

<b>Pollutant</b>	<b>Average Concentration. Grab Sample</b>	<b>Maximum Concentration. Grab Sample</b>	<b>No of storm events sampled</b>
<b>Oil and Grease (mg/L)</b>	<5.4	<7.3	4
<b>TSS (mg/L)</b>	15	42	4

**Development of Effluent Limitations**

<b>Outfall No.</b> 001	<b>Design Flow (MGD)</b> n/a (Stormwater)
<b>Latitude</b> 39° 45' 41.67"	<b>Longitude</b> -77° 44' 31.08"
<b>Wastewater Description:</b> Stormwater	

Based on the facility's **SIC Code of 4211**, the **applicable PAG-03** NPDES Permit for Discharges of Stormwater Associated with Industrial Activity (effective 9/24/16) appendix is **Appendix L**, which would include the following monitoring requirements:

**Table 1. PAG-03, Appendix L Requirements**

Parameter	Monitoring Requirements		Benchmark Values
	Minimum Measurement Frequency	Sample Type	
Total Suspended Solids (mg/L)	1 / 6 months	Grab	100
Oil and Grease (mg/L)	1 / 6 months	Grab	30

The **proposed parameters and monitoring requirements** for Outfalls 001:

**Table 2. Proposed Monitoring Requirements**

Parameter	Effluent Limitations				Monitoring Requirements	
	Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Total Suspended Solids (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab

Since the currently drafted PAG03 is proposing a benchmark of 150 mg/L for TSS, a benchmark of 150 mg/L for TSS has been included in this permit. A benchmark for Oil and Grease of 30 mg/L is included (typical of the monitoring requirements for PAG-03 Appendix L and proposed PAG-03 draft permit Appendix L).

The BMPs from Appendix L including the General BMPs and Locomotive BMPs (from Appendix L) are included.

The requirement to submit an Annual Report is included.

The requirement for routine inspections on a semiannual basis is included.

**Part C Special Conditions**

- I. Stormwater Outfalls and Authorized Non-Stormwater Discharges
- II. Best Management Practices (BMPs), including applicable BMPs from Appendix L from the PAG-03.
- III. Routine Inspections
- IV. Preparedness, Prevention, and Contingency (PPC) Plan
- V. Stormwater Monitoring Requirements (including Benchmarks for Oil and Grease and TSS)
- VI. Other Requirements

**Proposed Effluent Limitations and Monitoring Requirements**

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the “NPDES Permit Writer’s Manual” (362-0400-001), SOPs and/or BPJ.

**Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.**

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
TSS	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	XXX	Report	XXX	1/6 months	Grab

Compliance Sampling Location: Outfall 001



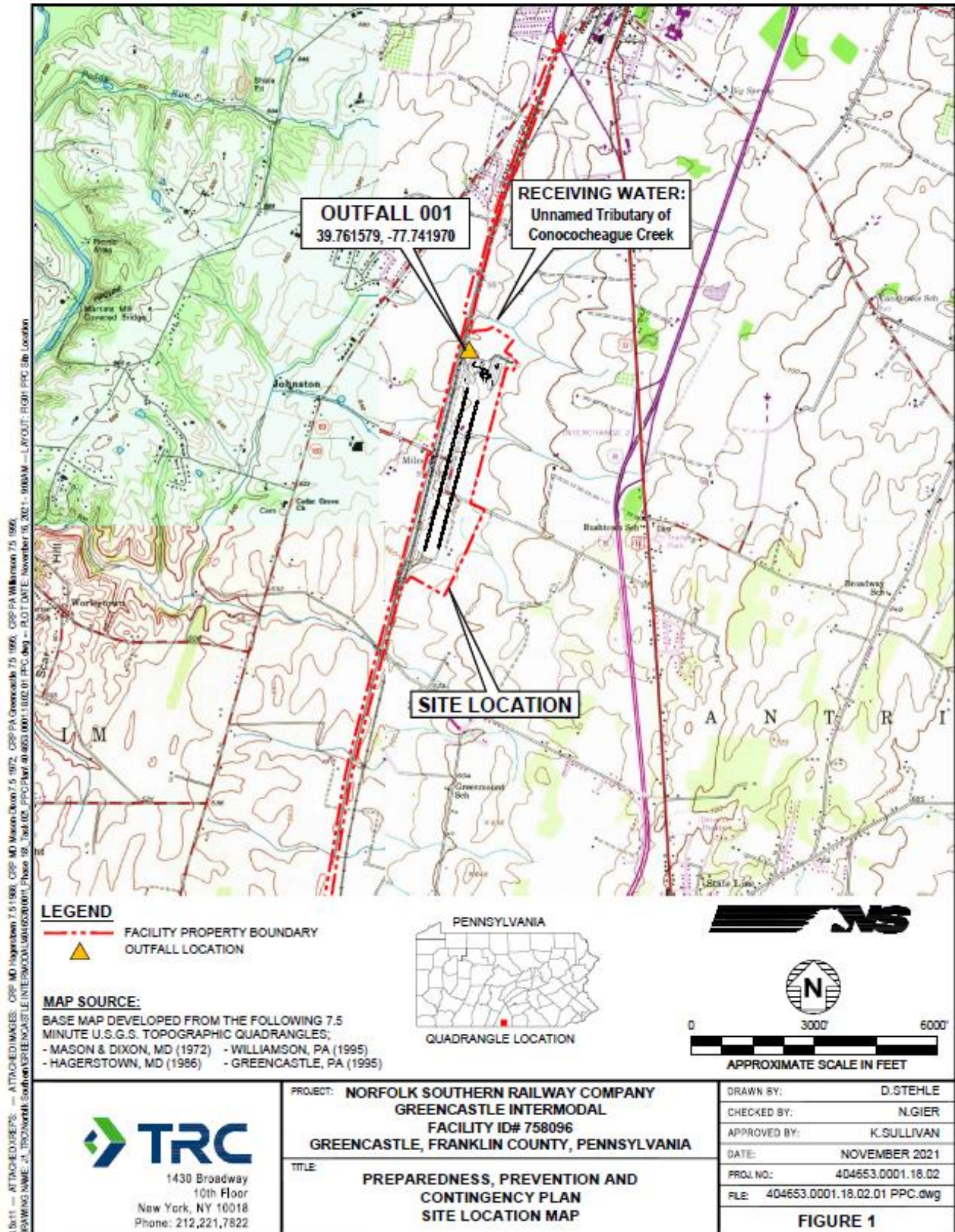


Figure 1. Site Location Map

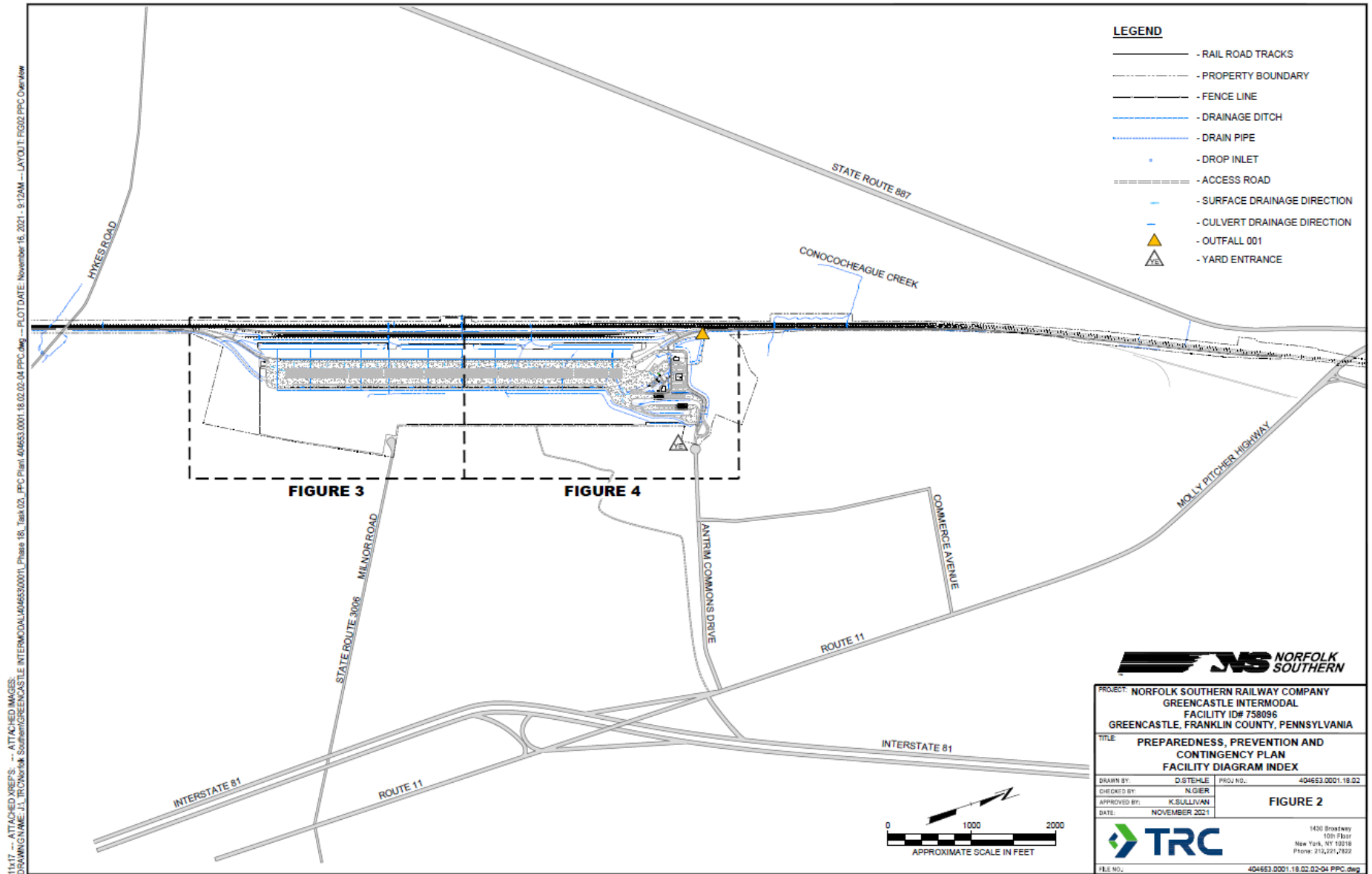


Figure 2. Facility Diagram Index



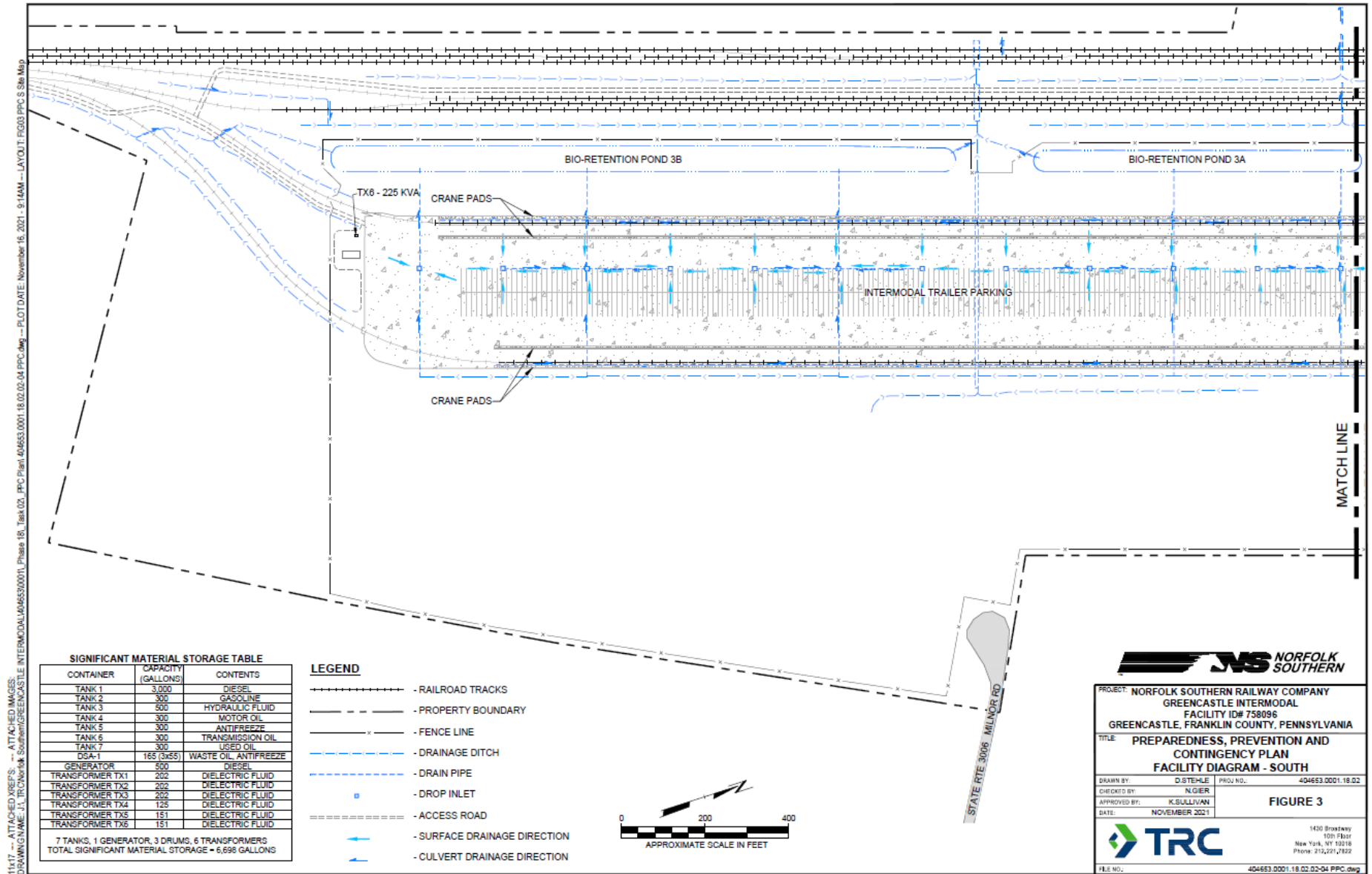


Figure 3. Facility Diagram South

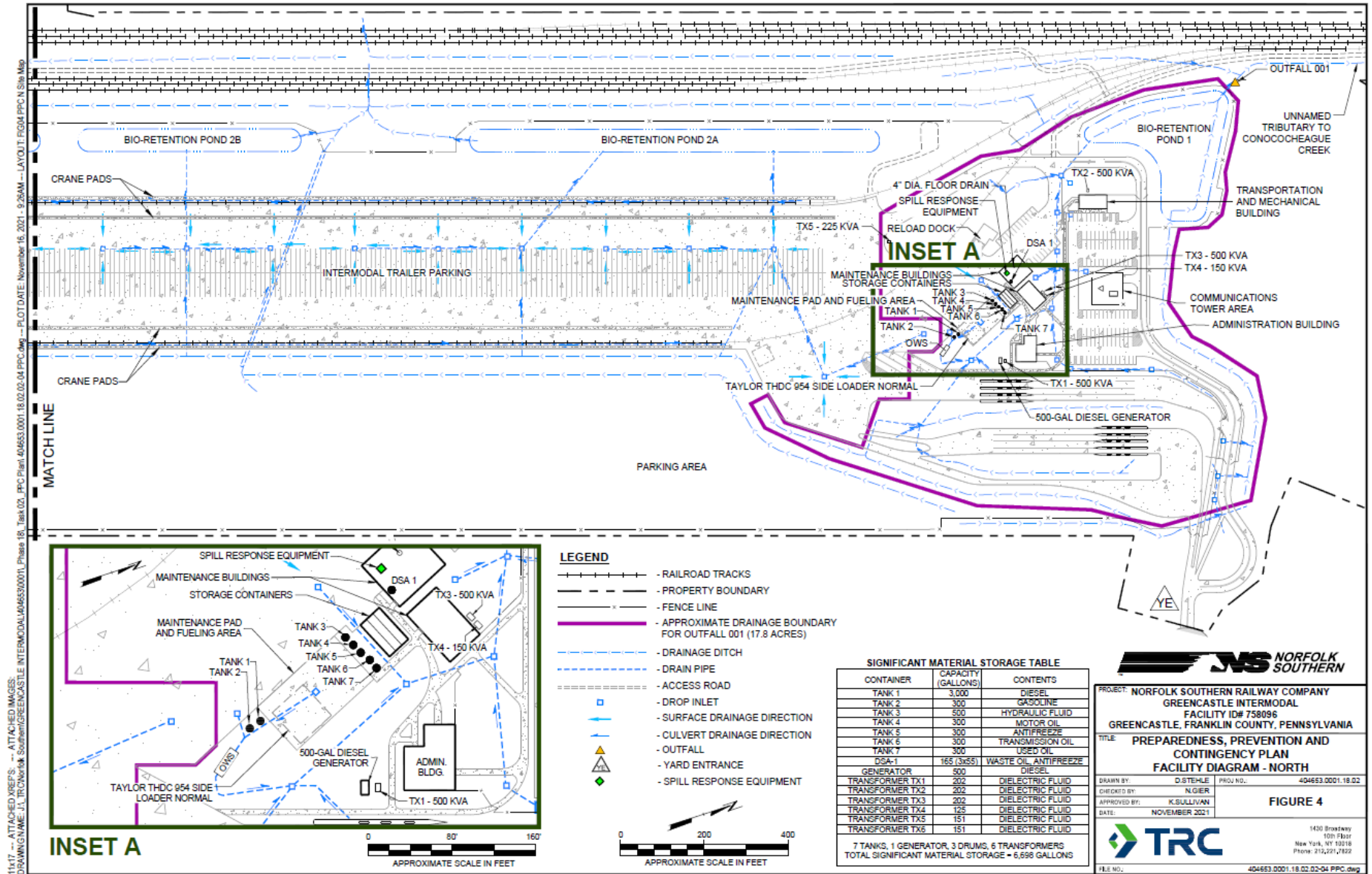


Figure 4. Facility Diagram North