pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Southcentral Regional Office
CLEAN WATER PROGRAM

Application Type	**New**	Application No.	**PA0294331**
Facility Type	**Storm Water**	APS ID	**335407**
Major / Minor	**Minor**	Authorization ID	**1466288**

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

Applicant and Facility Information

Applicant Name	**Grove US LLC**	Facility Name	**Grove US LLC- Shady Grove Facility**
Applicant Address	1565 Buchanan Trail East PO Box 21 Shady Grove, PA 17256	Facility Address	1565 Buchanan Trail East PO Box 21 Shady Grove, PA 17256
Applicant Contact	Charles Carbaugh	Facility Contact	Charles Carbaugh
Applicant Phone	(717) 593-5388	Facility Phone	(717) 593-5388
Client ID	135031	Site ID	446740
SIC Code	3531,3536,3537	Municipality	Antrim Township
SIC Description	Manufacturing - Construction Machinery,Manufacturing - Hoists, Cranes, And Monorails,Manufacturing - Industrial Trucks And Tractors	County	Franklin
Date Application Received	December 22, 2023	EPA Waived?	Yes
Date Application Accepted	January 2, 2024	If No, Reason	

Purpose of Application: NPDES discharge of stormwater associated with industrial activity.

Summary of Review

This is a new application for a NPDES individual permit for discharges of stormwater associated with industrial activity located in Antrim Township, Franklin County. See Figure 1 and Figure 2 for a Site Aerial View and Site Plan.

The facility was previously covered under a PAG-03, PAR113508. The permittee submitted a renewal NOI for their PAG-03 on 3/22/2023. The pending PAG-03 renewal was identified as PAG033853. It was discovered during the review of PAG033853 that the facility discharges to an HQ-CWF surface water. Since the facility discharges to an HQ-CWF surface water, the facility is ineligible for a PAG-03. DEP issued an NOI Denial Letter on 10/25/2023, which required the permittee to apply for an NPDES Individual Permit for Discharges of Stormwater Associated with Industrial Activities.

An application was received via Public Uploads Ref ID 102250 on 12/22/2023. The application was deemed complete on 1/2/2024.

The facility's primary SIC code is 3531 (industrial machinery and equipment; construction machinery) which requires an NPDES permit. If the facility qualified for a PAG-03, they would fall under Appendix U based on their SIC Code.

Facility Description, from Application: Manufacturer of mobile hydraulic cranes. Process involves cutting of sheet metal, fabrication of metal parts, assembly, spray painting, and testing of hydraulic crane before shipment.

The facility has five outfalls: Outfall 001, 002, 003, 004, 005. Outfalls 001 and 002 discharge to UNT to Muddy Run (HQ-CWF, MF) to the northwest of the facility. Outfalls 003, 004, and 005 discharge to UNT to Marsh Run (WWF, MF) to the east of the facility.

Approve	Deny	Signatures	Date
X		*Jacob S. Rakowsky* Jacob S. Rakowsky, E.I.T. / Project Manager	1/4/2024
X		*Scott M. Arwood* Scott M. Arwood, P.E. / Environmental Engineer Manager	1/4/2024

Summary of Review

Per the application, the PPC Plan was last updated in March 2023.

Part C permit conditions require semi-annual site inspections as well as implementation of BMPs and implementation of the facility PPC Plan. Given the BMPs in place, the discharge is not expected to have any measurable effect on the water quality of the receiving stream. There are no open violations for the client that would warrant withholding the issuance of this permit.

EPA waiver is in effect.

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.	001	Design Flow (MGD)	N/A
Latitude	39º 46' 55.33"	Longitude	-77º 40' 51.86"
Wastewater Description:	Stormwater associated with industrial activity.		
Receiving Waters	Unnamed Tributary of Muddy Run (HQ-CWF, MF)	Stream Code	59848
NHD Com ID	49487462	RMI	2.67
Drainage Area	0.92 sq. mi.	Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)	0.118	Q_{7-10} Basis	StreamStats
Watershed No.	13-C	Chapter 93 Class.	HQ-CWF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Not Assessed		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	
Nearest Downstream Public Water Supply Intake	Unknown - Maryland		
PWS Waters	Conococheague Creek, Franklin County to MD border	Municipality	Antrim Township and Montgomery Township, Franklin County at MD border
PWS RMI	0.00 at MD border	Distance from Outfall (mi)	17.5 to MD border

Drainage Area: 2,722,511 SF

% Impervious: 75%

Description of Materials/Activities in Drainage Area Exposed to Precipitation:
From Application – Raw material storage areas, parking lots (paved and unpaved), chemical container unloading, driveways, and roofs.

Description of Treatment or BMPs in Drainage Area to Control Pollutants in Stormwater:
From application – Unloading procedures (monitoring of bulk tank deliveries, monthly inspections of storm drains/chemical storage areas, secondary containment, grassed/vegetated areas, stormwater retention ponds, rip rap graded stone utilized at intake locations of retention ponds/basins.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	002	Design Flow (MGD)	0
Latitude	39º 47' 15.98"	Longitude	-77º 40' 55.32"
Wastewater Description:	Stormwater associated with industrial activity.		
Receiving Waters	Unnamed Tributary of Muddy Run (HQ-CWF, MF)	Stream Code	59848
NHD Com ID	49487462	RMI	2.67
Drainage Area	0.92	Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)	0.118	Q_{7-10} Basis	StreamStats
Watershed No.	13-C	Chapter 93 Class.	HQ-CWF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Not Assessed		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	
Nearest Downstream Public Water Supply Intake	Unknown - Maryland		
PWS Waters	Conococheague Creek, Franklin County to MD border	Municipality	Antrim Township and Montgomery Township, Franklin County at MD border
PWS RMI	0.00 at MD border	Distance from Outfall (mi)	17.5 to MD border

Drainage Area: 6,108,879 SF

% Impervious: 30%

Description of Materials/Activities in Drainage Area Exposed to Precipitation:
From Application – Raw material storage areas, parking lots (paved and unpaved), chemical container unloading, driveways, and roofs.

Description of Treatment or BMPs in Drainage Area to Control Pollutants in Stormwater:
From application – Unloading procedures (monitoring of bulk tank deliveries, monthly inspections of storm drains/chemical storage areas, secondary containment, grassed/vegetated areas, stormwater retention ponds, rip rap graded stone utilized at intake locations of retention ponds/basins.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	003	Design Flow (MGD)	N/A
Latitude	39º 47' 8.55"	Longitude	-77º 40' 16.38"
Wastewater Description:	Stormwater associated with industrial activity.		
Receiving Waters	Unnamed Tributary to Marsh Run (WWF, MF)	Stream Code	59224 (Marsh Run)
NHD Com ID	49487506	RMI	4.46 (Marsh Run)
Drainage Area	4.61	Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)	1.9	Q_{7-10} Basis	StreamStats
Watershed No.	13-C	Chapter 93 Class.	WWF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Not Assessed		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	
Nearest Downstream Public Water Supply Intake	Unknown - Maryland		
PWS Waters	Marsh Run, Franklin County to MD border	Municipality	Antrim Township and Washington Township, Franklin County at MD border
PWS RMI	0.0 at MD border	Distance from Outfall (mi)	6.1 to MD border

Drainage Area: 1,102,072 SF

% Impervious: 0%

Description of Materials/Activities in Drainage Area Exposed to Precipitation:
From Application – Raw material storage areas, parking lots (paved and unpaved), chemical container unloading, driveways, and roofs.

Description of Treatment or BMPs in Drainage Area to Control Pollutants in Stormwater:
From application – Unloading procedures (monitoring of bulk tank deliveries, monthly inspections of storm drains/chemical storage areas, secondary containment, grassed/vegetated areas, stormwater retention ponds, rip rap graded stone utilized at intake locations of retention ponds/basins.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	004	Design Flow (MGD)	N/A
Latitude	39º 47' 0.78"	Longitude	-77º 40' 21.22"
Wastewater Description:	Stormwater associated with industrial activity.		
Receiving Waters	Unnamed Tributary to Marsh Run (WWF, MF)	Stream Code	59224 (Marsh Run)
NHD Com ID	49487506	RMI	4.46 (Marsh Run)
Drainage Area	4.61	Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)	1.9	Q_{7-10} Basis	StreamStats
Watershed No.	13-C	Chapter 93 Class.	WWF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Not Assessed		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	
Nearest Downstream Public Water Supply Intake	Unknown - Maryland		
PWS Waters	Marsh Run, Franklin County to MD border	Municipality	Antrim Township and Washington Township, Franklin County at MD border
PWS RMI	0.0 at MD border	Distance from Outfall (mi)	6.1 to MD border

Drainage Area: 622,911 SF

% Impervious: 0%

Description of Materials/Activities in Drainage Area Exposed to Precipitation:
From Application – Raw material storage areas, parking lots (paved and unpaved), chemical container unloading, driveways, and roofs.

Description of Treatment or BMPs in Drainage Area to Control Pollutants in Stormwater:
From application – Unloading procedures (monitoring of bulk tank deliveries, monthly inspections of storm drains/chemical storage areas, secondary containment, grassed/vegetated areas, stormwater retention ponds, rip rap graded stone utilized at intake locations of retention ponds/basins.

Discharge, Receiving Waters and Water Supply Information

Outfall No.	005	Design Flow (MGD)	N/A
Latitude	39º 46' 55.69"	Longitude	-77º 40' 24.66"
Wastewater Description:	Stormwater associated with industrial activity.		
Receiving Waters	Unnamed Tributary to Marsh Run (WWF, MF)	Stream Code	59224 (Marsh Run)
NHD Com ID	49487506	RMI	4.46 (Marsh Run)
Drainage Area	4.61	Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)	1.9	Q_{7-10} Basis	StreamStats
Watershed No.	13-C	Chapter 93 Class.	WWF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Not Assessed		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	
Nearest Downstream Public Water Supply Intake	Unknown - Maryland		
PWS Waters	Marsh Run, Franklin County to MD border	Municipality	Antrim Township and Washington Township, Franklin County at MD border
PWS RMI	0.0 at MD border	Distance from Outfall (mi)	6.1 to MD border

Drainage Area: 934,366 SF

% Impervious: 0%

Description of Materials/Activities in Drainage Area Exposed to Precipitation:
From Application – Raw material storage areas, parking lots (paved and unpaved), chemical container unloading, driveways, and roofs.

Description of Treatment or BMPs in Drainage Area to Control Pollutants in Stormwater:
From application – Unloading procedures (monitoring of bulk tank deliveries, monthly inspections of storm drains/chemical storage areas, secondary containment, grassed/vegetated areas, stormwater retention ponds, rip rap graded stone utilized at intake locations of retention ponds/basins.

Compliance History	
Summary of DMRs:	A summary of available eDMR data from 2021 through 2023 can be found in Table 1 below. The facility was required to submit E. Coli and Fecal Coliform sampling results due to the pathogen impairment of the receiving waters, TSS sampling results due to the siltation impairment of the receiving waters, TN and TP sampling results due to the nutrient impairment of the receiving waters, and TN, TP, BOD5, COD, TOC sampling results due to the organic enrichment impairment of the receiving waters. The discharge is not expected to cause or contribute to the impairments.
Summary of Inspections:	An administrative/file review was conducted on 6/2/2020. No violations were noted. An administrative/file review was conducted on 12/13/2022. One violation was noted. The violation was resolved on 12/20/2022. There are currently no open violations for the client.

Table 1. Summary of 2021 through 2023 eDMR Data

Sampling Results										PADEP References		
Outfall	Pollutant	1st Half 2021	2nd Half 2021	1st Half 2022	2nd Half 2022	1st Half 2023		Max	Avg	MCL (mg/L)	No Exposure Conditions (mg/L)	PAG03 Benchmark (mg/L)
001	TSS	GG	50	80	10	20		80	40	None	</= 30	100
	Oil and Grease	GG	<5	<5.15	<4.8	<10		<10	<6.24	None	</= 5.0	30
002	TSS	32	GG	GG	GG	GG		32	32	None	</= 30	100
	Oil and Grease	<6.25	GG	GG	GG	GG		<6.25	<6.25	None	</= 5.0	30
003	TSS	GG	GG	GG	GG	GG		GG	GG	None	</= 30	100
	Oil and Grease	GG	GG	GG	GG	GG		GG	GG	None	</= 5.0	30
004	TSS	GG	GG	GG	GG	GG		GG	GG	None	</= 30	100
	Oil and Grease	GG	GG	GG	GG	GG		GG	GG	None	</= 5.0	30
005	TSS	GG	GG	GG	GG	GG		GG	GG	None	</= 30	100
	Oil and Grease	GG	GG	GG	GG	GG		GG	GG	None	</= 5.0	30

Summary of eDMRs: Available eDMR data from 2021 through 2023 showed that concentrations did not exceed PAG03 benchmarks. A comment was made on the 1st Half 2021 eDMR that Outfall 002 was the representative outfall. Starting with the 2nd Half 2021 eDMR and continuing to the most recent eDMR, a comment was made that Outfall 001 is the representative outfall. The application lists Outfall 001 as the representative outfall. Outfall 001 will act as the representative outfall for the facility for this permit. Sampling will only be required at Outfall 001.

Based on the facility's **SIC Code of 3531**, the **applicable PAG-03** NPDES Permit for Discharges of Stormwater Associated with Industrial Activity (effective 3/24/2023) appendix is **Appendix U**, which would include the following monitoring requirements:

Table 2. PAG-03, Appendix U Requirements

Parameter	Monitoring Requirements (1),(2)		Benchmark Values
	Minimum Measurement Frequency	Sample Type	
Total Nitrogen (mg/L) (3)	1 / 6 months	Calculation	XXX
Total Phosphorus (mg/L)	1 / 6 months	Grab	XXX
pH (S.U.)	1 / 6 months	Grab	9.0
Total Suspended Solids (TSS) (mg/L)	1 / 6 months	Grab	100
Oil and Grease (mg/L)	1 / 6 months	Grab	30
Nitrate + Nitrite-Nitrogen (mg/L)	1 / 6 months	Grab	3.0
Total Aluminum (mg/L)	1 / 6 months	Grab	XXX
Total Iron (mg/L)	1 / 6 months	Grab	XXX
Total Zinc (mg/L)	1 / 6 months	Grab	XXX

Footnotes

(1) In accordance with Part C V.C, the permittee shall conduct additional monitoring if specified by DEP in the letter authorizing permit coverage or other correspondence.
(2) This is the minimum number of sampling events required. Permittees may optionally perform additional sampling.
(3) Total Nitrogen is the sum of Total Kjeldahl-N (TKN) plus Nitrite-Nitrate as N (NO2+NO3-N), where TKN and NO2+NO3-N are measured in the same sample.

Proposed Effluent Limitations and Monitoring Requirements

All required parameters from PAG-03 Appendix U are included in this permit.
Benchmarks for pH of 9.0 S.U., TSS of 100 mg/L, Oil and Grease of 30 mg/L, and Nitrate + Nitrite-Nitrogen of 3.0 mg/L are included, which is typical of the monitoring requirements for PAG-03 Appendices (effective 3/24/2023).
The BMPs from Appendix U are included.
The requirement to submit an Annual Report is included.
The requirement for routine inspections on a semiannual basis is included.

Table 3. Proposed Monitoring Requirements

Parameter	Effluent Limitations				Monitoring Requirements (1),(2)	
	Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Total Nitrogen (mg/L) (3)	XXX	XXX	Report	XXX	1/6 months	Calculation
Total Phosphorus (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
pH (S.U.)	XXX	XXX	Report	XXX	1/6 months	Grab
Total Suspended Solids (TSS) (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Oil and Grease (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Nitrate + Nitrite-Nitrogen (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Total Aluminum (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Total Iron (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Total Zinc (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab

Footnotes
(1) In accordance with Part C V.C, the permittee shall conduct additional monitoring if specified by DEP in the letter authorizing permit coverage or other correspondence.
(2) This is the minimum number of sampling events required. Permittees may optionally perform additional sampling.
(3) Total Nitrogen is the sum of Total Kjeldahl-N (TKN) plus Nitrite-Nitrate as N (NO2+NO3-N), where TKN and NO2+NO3-N are measured in the same sample.

Antidegradation (93.4):

The applicant is not proposing a new or increased discharge to a High Quality (HQ) or Exceptional Value (EV) water, so Module 1 (Anti Degradation Module) was not attached to the application.

The effluent limits for this discharge have been developed to ensure that existing instream water uses and the level of water quality necessary to protect the existing uses are maintained and protected. Best Management Practices will ensure that the existing instream uses are protected. No Exceptional Value Waters are impacted by this discharge.

The designated use of the receiving waters are as follows:
Unnamed Tributary of Muddy Run (HQ-CWF, MF)
Unnamed Tributary to Marsh Run (WWF, MF)

Figure 1. Aerial View

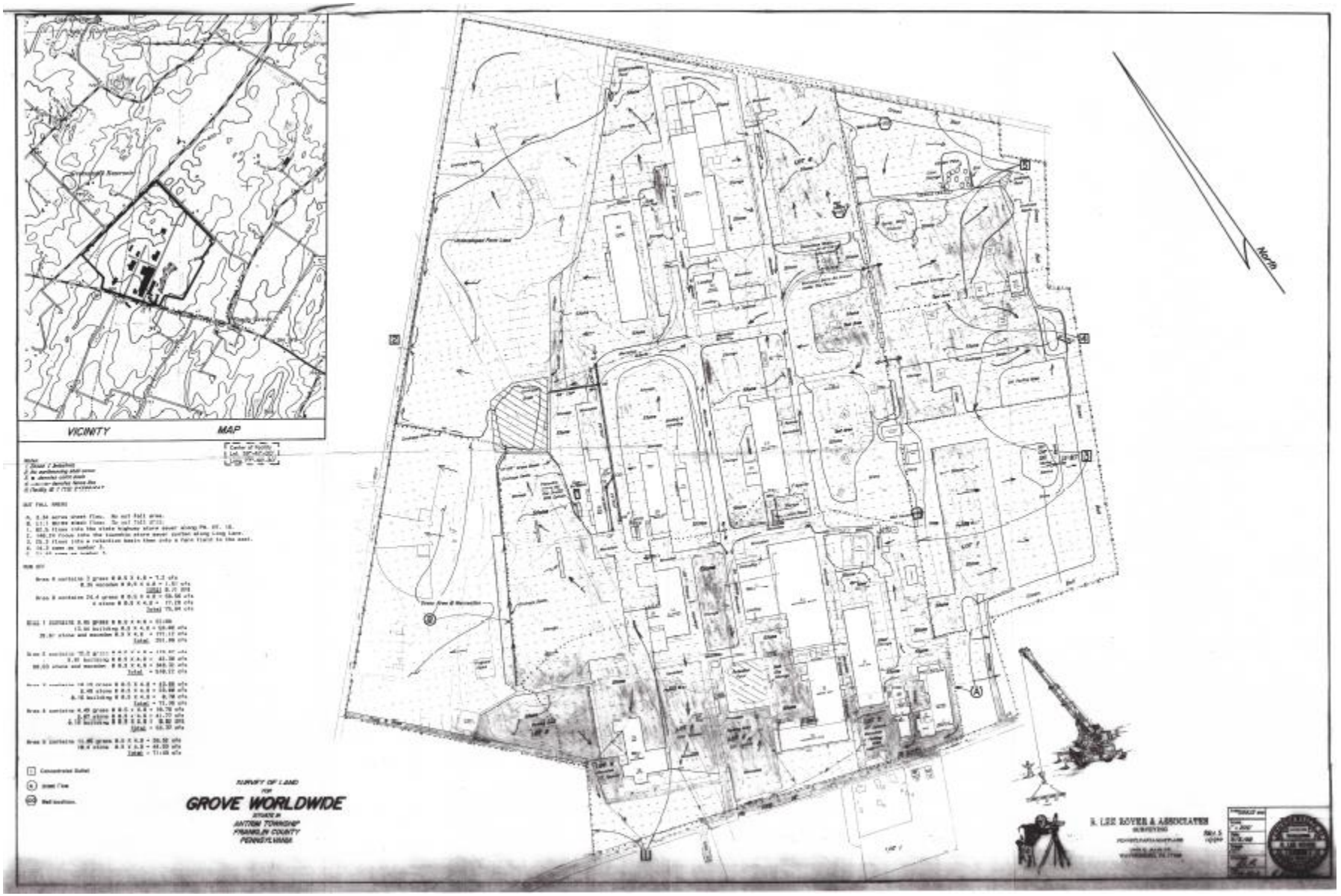

Figure 2. Site Plan