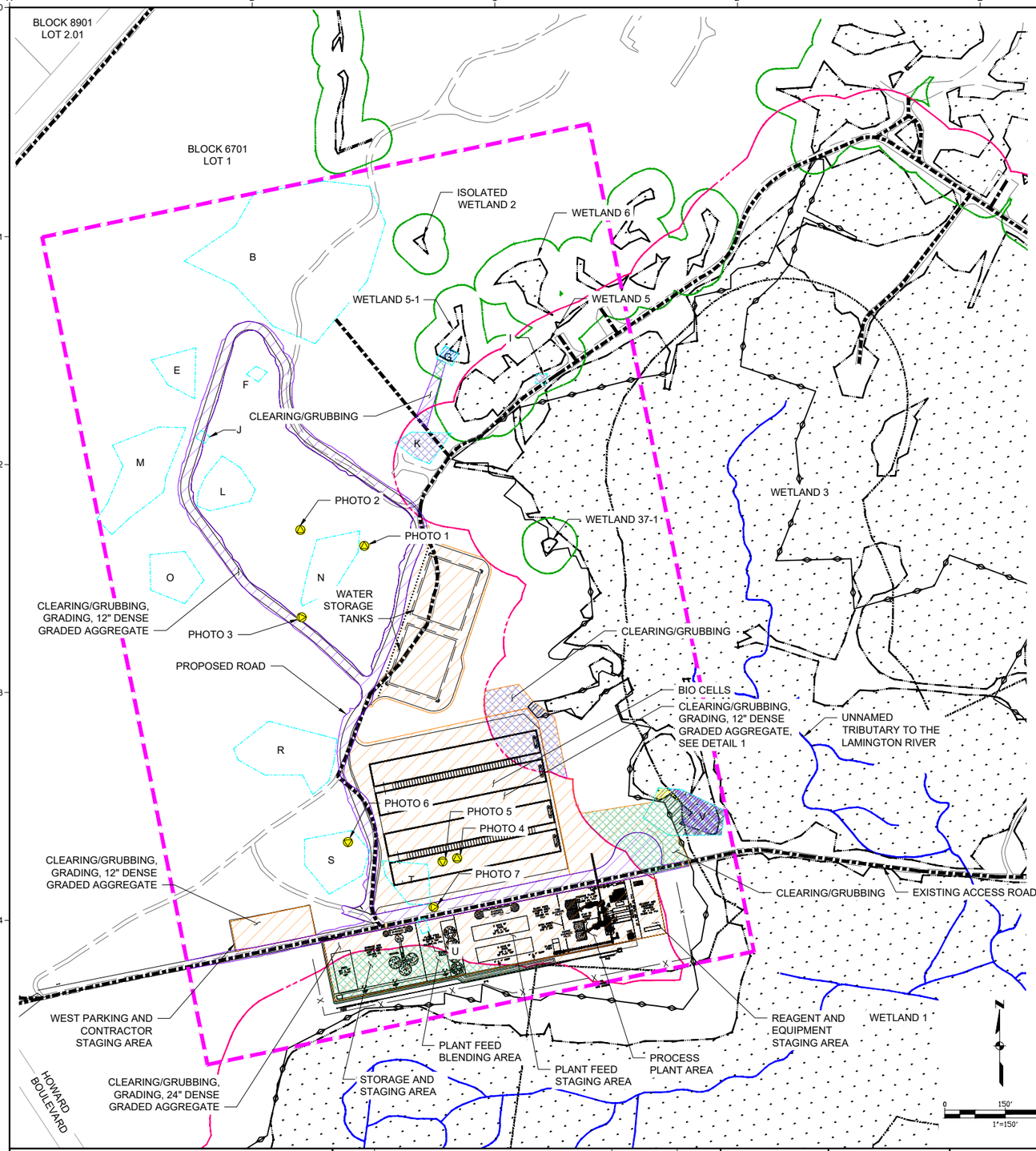
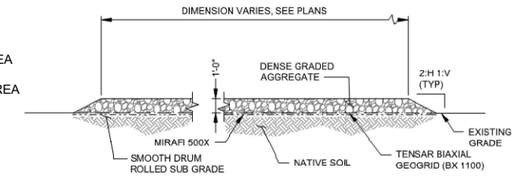


LEGEND

- FLOOD HAZARD AREA
- 300 FT RIPARIAN ZONE
- 50 FT WETLAND TRANSITION AREA
- 150 FT WETLAND TRANSITION AREA
- TNT PROJECT AREA
- EXISTING ACCESS ROAD
- NJDEP SURFACE WATER
- WETLANDS
- PROPOSED PLANT LAYOUT
- PROPOSED ACCESS ROADS
- TNT EXCAVATION AREA
- MORRIS COUNTY TAX PARCEL



TYPICAL UNLINED PADS DETAIL (1)
SCALE: NTS

APPROVED
File No.: 1436-13-0005.2
Activity No.: UP210001
Date: January 27, 2022
State of New Jersey
Department of Environmental Protection
Watershed and Land Management

TEMPORARY DISTURBANCE AREAS (ACRES)

WETLAND	FORESTED WETLAND		0.184
	EMERGENT WETLAND		0.022
TRANSITION AREA	GRASSLAND		0.873
	FORESTED UPLAND		1.681
RIPARIAN ZONE	FORESTED*		0.211
FLOOD HAZARD AREA			0.326

*The Riparian Zone disturbance area includes 0.053 acres of forested upland and 0.158 acres of forested wetland disturbance.

Regulated Area	Habitat Type	Temporary Disturbance Area (acre)	Proposed Restoration	Density/ Seed Rate	Scientific Name	Common Name	Wetland Indicator Status
Wetland	Forested Wetland	0.184	Trees	436/acre	*Acer rubrum*	Red maple	FAC
			Shrubs	681/acre	*Clethra alnifolia*	Sweet pepperbush	FAC
					Ilex verticillata	Winterberry	FACW
					Viburnum dentatum	Arrowood	FAC
					Lindera benzoin	Spicebush	FAC
			Wildlife Food & Shelter Seed Mix (ERNMX-138)	20lb/acre	--	--	--
	Emergent Wetland	0.022	OBL Wetland Seed Mix (ERNMX-131)	20lb/acre	--	--	--
Transition Area	Forested Upland	1.681	Trees	436/acre	*Acer rubrum*	Red maple	FAC
					Prunus serotina	Wild black cherry	FACU
			Riparian Buffer Mix (ERNMX-178)	20lb/acre	--	--	--
	Grassland	0.873	Riparian Buffer Mix (ERNMX-178)	20lb/acre	--	--	--
Riparian Zone	Forested	0.211*	Trees	436/acre	*Acer rubrum*	Red maple	FAC
			Shrubs	681/acre	*Clethra alnifolia*	Sweet pepperbush	FAC
					Ilex verticillata	Winterberry	FACW
					Viburnum dentatum	Arrowood	FAC
					Lindera benzoin	Spicebush	FAC
			Wildlife Food & Shelter Seed Mix (ERNMX-138)	20lb/acre	--	--	--

*Riparian Zone disturbance includes 0.053 acres of forested upland and 0.158 acres of forested wetland disturbance.

SOURCES AND NOTES:

1. TOPOGRAPHIC CONTOURS SHOWN BASED ON LIDAR (.LAZ) FILES MADE AVAILABLE BY THE NEW JERSEY OFFICE OF GIS (NJOGIS): NORTHEAST NEW JERSEY 2018 ELEVATION DATASET (TILES G5B13, G5B14, G5D1, AND G5D2). DENNIS W. SKLAR, INC. PROFESSIONAL LAND SURVEYING COMPARED LIDAR DATASET TO 42 CONTROL POINTS AND CONCLUDED THAT THE TOPOGRAPHIC DATA HAS AN OVERALL FUNDAMENTAL VERTICAL ACCURACY OF 0.52 FEET AT A 95 PERCENT CONFIDENCE LEVEL AND THAT THE DATA IS SUITABLE FOR GENERATING TWO FOOT TOPOGRAPHIC CONTOURS IN THE PROJECT AREA.
2. ALL STATE PLANE COORDINATES SHOWN ARE BASED ON THE NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) ZONE 2900 NEW JERSEY, AND NORTH AMERICAN VERTICAL DATUM OF 1988.
3. FRESHWATER WETLANDS/WATERS BOUNDARY LINE VERIFIED BY NJDEP FILE NO. 1400-20-003.2/FWW200001.
4. FLOOD HAZARD BOUNDARY LINE AND RIPARIAN ZONE WIDTH AS VERIFIED BY NJEDEP FILE NO. 1400-20-0003.1/LUP200001.
5. DISTURBANCES TO THE FLOOD HAZARD AREA AND RIPARIAN ZONE ARE ADDRESSED VIA FLOOD HAZARD AREA PERMIT-BY-RULE #8.
6. DISTURBANCES SHOWN ARE TEMPORARY. SITE WILL BE RESTORED TO EXISTING GRADE AFTER COMPLETION OF THE WORK.

USE OF DOCUMENTS
THIS DOCUMENT, INCLUDING THE INCORPORATED DESIGNS, IS AN INSTRUMENT OF SERVICE FOR THIS PROJECT AND SHALL NOT BE USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF KENNEDY/JENKS CONSULTANTS ©.

NO	REVISION	DATE	BY

SCALES
0 — 1"
0 — 25mm
IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.

STATE OF NEW JERSEY — STEPHEN R. MONTAGNA — No. 35214 — LICENSED PROFESSIONAL ENGINEER

DESIGNED CMW
DRAWN CMW
CHECKED BER

HERCULES LLC - FORMER KENVIL WORKS FACILITY
KENVIL, ROXBURY TOWNSHIP, MORRIS COUNTY, NEW JERSEY
TNT PROJECT AREA FRESHWATER WETLANDS GENERAL PERMIT 4

Kennedy Jenks

SITE AND RESTORATION PLAN

SCALE
JOB NO 1540001.88
DATE JANUARY 2022
SHEET OF 1 OF 2

Plot Date: 1/10/2022 8:57 AM
User: CAYLA WHITESIDE
File: C:\bmsik\ze-pwd\01221421\1540001.70 PERMIT_FIGURE_R2.dwg