

FORM 1 FACILITY PLAN

Prepared 07/2000; Rev 02/01, 07/03, 07/13, 07/23, 01/24, 07/2026

This Form 1 is provided to provide an updated overall cut/fill and soil balance for this facility with the proposed entrance road.

Form 1 - Table of Contents

FORM (Rev 07/2026)	This Permit Modification (First Page Only)
Attachment 1-1 (Rev 02/2001)	Facility Plan Narrative
Exhibit 1-1.1 (Rev 01/2024)	Airspace Reduction Volume Calculation
Exhibit 1-1.2 (Rev 01/2024)	Site Life Calculation This Permit Renewal Application
Exhibit 1-1.3	Conceptual Plans of Subgrade & Final Grades
Exhibit 1-1.4 (Rev 07/2026)	Updated Soil Balance Estimate – This Permit Modification

(1) Exhibit names shown above with bold formatting identify those Exhibits that have been revised as part of this Permit Renewal Application.



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised Prepared 07/2000 Revised 02/01, 07/13, 07/23, 01/24, 07/2026
Date Received

FORM 1 FACILITY PLAN

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 1, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General References: 273.112, 277.112, 279.102, 283.102

SECTION A. SITE IDENTIFIER

Applicant/permittee ***Westmoreland Sanitary Landfill, LLC.***

Site Name ***Sanitary Landfill***

Facility ID (as issued by DEP) ***100277***

SECTION B. NARRATIVE

Provide a narrative that describes the following:

1. General operational concept for proposed facility; including:
 - a. Origin, composition, and weight or volume of solid waste*
No change as part of this permit application.
 - b. Type of liner system
No change as part of this permit application.
 - c. Proposed capacity of facility*
No change as part of this permit application.
 - d. Expected life of facility and size*
No change as part of this permit application.
 - e. Sequence and timing of solid waste disposal operations
No change as part of this permit application.
2. A detailed description of the volume of soil needed to construct and operate the facility and of the method by which the soil will be delivered. The description will include the number of trucks, the access roads they will use, delivery times and any other information relevant to assessing the impacts of the operation.
No change as part of this permit application.

*Complete page 2 of this form (Sections A, B, C, D & E)

FORM 1 – FACILITY PLAN

**ATTACHMENT 1-1
EXHIBIT 1-1.4**

Updated Soil Balance Estimate

This calculation provides an estimate of the remaining construction cut/fill and overall soil balance with the proposed entrance design.

Civil Design Solutions, Inc.

PROJECT **SANITARY LANDFILL**

PROJECT NO. **2026-083**

REMAINING SOIL BALANCE ESTIMATE (as of 11/14/2025)

PAGE **1** OF **4**

MADE BY **DWM**

DATE **29-Jun-26**

CHECKED BY **KAF**

DATE **29-Jun-26**

INTRODUCTION Determine the remaining soil balance for the construction, operation and closure of the Sanitary Landfill facility as of the November 14, 2025 Drone mapping. This calculation will estimate the soil quantities required during the remaining life of the facility and the amount of on-site soils available for these uses.

The soil balance calculation presented here includes the following general assumptions:

- Quantities of imported aggregates or other specialized materials have not been estimated here.
- Shrinkage and/or swell of soils has not been accounted for here.
- Available soils have been assumed to only be generated from the excavation of the landfill area. Additional borrow areas beyond the footprint are not addressed here.
- No allowances have been made for the additional over excavations related to alternative excavation plans for this facility.
- Any reduction in the use of daily cover from the use of ADC materials is not included here.

METHOD Soil quantities have been estimated using a computer software package through comparison of the mapping dated November 14, 2025 and the permitted subgrade design for the remaining portions of the landfill to construct. This calculation considers the constructed configuration of this facility as of the 14, 2025 Drone mapping. The soil balance calculations have been presented in a line item fashion such that the available soil for different portions of the site may be identified and the required soil for construction, operation and closure items may be estimated and examined separately.

This summary document describes each line item of the soil balance calculation table included here.

AREAS For this soil balance calculation, several liner system and final cover areas are utilized to estimate the required soil quantities. Each area is defined below.

Item	Description
Permitted Footprint Area	The total permitted footprint for the landfill has been taken from Form 1, Attachment 1-1, Exhibit 1-1.1 {Volume Calculations} as prepared by G.N. Richardson & Associates, Inc.
Lined Footprint Area	The lined portion of the landfill was determined by Design Solutions for the constructed area through Cell S6C/S7A approved by PADEP in January 2025.

Civil Design Solutions, Inc.

PROJECT **SANITARY LANDFILL**

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REMAINING SOIL BALANCE ESTIMATE (as of 11/14/2025)

PAGE **2** OF **4**

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Remaining Area to Construct This area has been calculated as [Permitted Footprint Area] – [Lined Footprint Area]. This represents the remaining landfill area to construct after November 14, 2025.

Closed Footprint Area The closed portion of the landfill was determined by Design Solutions for the constructed area as of the November 14, 2025 aerial mapping.

Remaining Closure Area This area has been calculated as [Permitted Footprint Area] – [Closed Footprint Area]. This represents the remaining landfill area to close after November 14, 2025.

AIRSPACE For this soil balance calculation, the airspace quantities are utilized for the estimate of required operational soils. Each area is defined below.

Item	Description
Permitted Airspace	The total (gross) permitted airspace for the landfill has been taken from Form 1 prepared as part of the Minor Permit Modification submitted in January 2024 for a basegrade revision.
In-Place Airspace	The in-place waste volume as of the November 14, 2025 aerial mapping was estimated by Design Solutions.
Remaining Airspace	This airspace has been calculated as [Permitted Airspace] – [In-Place Airspace]. This represents the remaining landfill disposal volume after November 14, 2025.

AVAILABLE SOILS CALCULATION Soils will be generated during excavation of the landfill disposal cells. Additional available excavation from borrow areas or construction items outside of the footprint are not included here.

A description of each line item include in the summary calculation is included below:

Item	Description
Construction Cut	This quantity presents the overall bulk cut available from remaining excavation of the landfill using the permitted base grades and the November 14, 2025 mapping.

REQUIRED SOILS CALCULATION This calculation provides a summary of all soil requirements needed throughout the remaining life for the Sanitary Landfill facility. In addition to the operation of the landfill areas, soils will be required for closure of the entire facility combined footprint area.

Civil Design Solutions, Inc.

PROJECT **SANITARY LANDFILL**

PROJECT NO. **2026-083**

REMAINING SOIL BALANCE ESTIMATE (as of 11/14/2025)

PAGE **3** OF **4**

MADE BY **DWM**

DATE **29-Jun-26**

CHECKED BY **KAF**

DATE **29-Jun-26**

A description of each line item include in the summary calculation is included below:

Item	Description
Structural Fill	This quantity presents the overall structural fill required for the construction of the remaining portions of the landfill using the permitted base grades and the November 14, 2025 mapping.
Subbase Layer	This quantity presents the soil requirements to construct the recompacted soil subbase layer for the remaining cells. This subbase layer has been estimated to be a uniform thickness of 6-inches. The area for subbase placement has been taken as the [Remaining Area to Construct]. Subbase Layer Quantity = [Remaining Area to Construct * 43,560-sf/ac] * [0.5-ft] * [1-cy/27-cf].
Daily Cover	This has been taken as 15% of the remaining gross airspace for the landfill. Daily Cover = [Remaining Airspace] * 15%.
Intermediate Cover	Intermediate Soil Cover has been estimated as a 1-ft thick layer over the Remaining Closure Area. Intermediate Soil Cover Quantity = [Remaining Closure Area * 43,560-sf/ac] * [1-ft] * [1-cy/27-cf]
Final Cover Soil	Final Cover Soil has been estimated as a 2-ft thick layer over the Remaining Closure Area. Final Cover Quantity = [Remaining Closure Area * 43,560-sf/ac] * [2-ft] * [1-cy/27-cf]

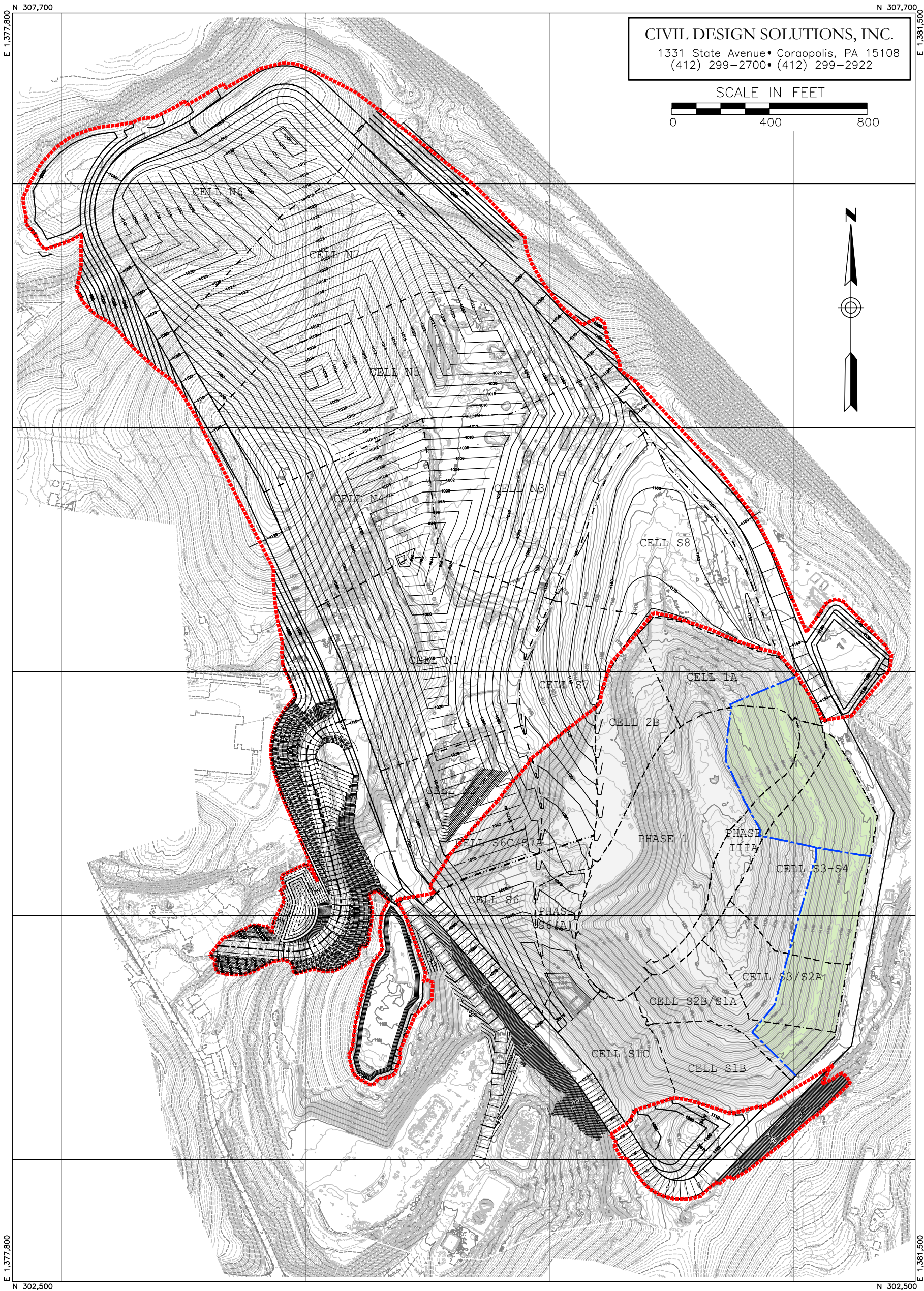
SOIL BALANCE Given all available and required soil items included with this calculation, a soil balance is calculated at the bottom of the column.

This calculation shows that a significant soil surplus of approximately 2,344,309-cy is encountered following the construction, operation and closure of the Sanitary Landfill Facility.

**SANITARY LANDFILL
REMAINING SOIL BALANCE**

Areas		
Permitted Footprint Area	(ac)	150.0
Lined Footprint	(ac)	75.1
Remaining Area to Construct	(ac)	74.9
Closed Area	(ac)	11.8
Remaining Area to Close	(ac)	138.3
Airspace		
Permitted Airspace	(cy)	32,585,971.0
In-Place Airspace	(cy)	8,424,151.0
Remaining Airspace	(cy)	24,161,820.0
Available Excavation		
Construction Cut	(cy)	6,856,219.0
Required Material		
Structural Fill	(ac)	158,120.0
Subbase	(ac)	60,387.1
Daily Cover	(ac)	3,624,273.0
Intermediate Cover	(ac)	223,043.3
Final Cover	(ac)	446,086.6
Overall Soil Balance		2,344,309.0

See calculation narrative submitted with Form 1 as part of
07/2026 permit modification for description of this calculation.



LEGEND

- 1150— 11/14/2025 DRONE CONTOUR (SEE NOTE 1)
- [1150]— OLDER CONTOUR (SEE NOTE 1)
- 1150— PERMITTED CONTOUR
- 1150----- PERMITTED CONTOUR
- - - - - PERMITTED LANDFILL / CELL LIMIT
- - - - - PREVIOUS CELL LIMIT
- LIMIT OF VOLUME CALCULATION

NOTES

- 11/14/2025 DRONE MAPPING PREPARED BY NOBLE ENVIRONMENTAL
OLDER MAPPING INCLUDING 12/14/2024 AERIAL BY SOUTHERN
RESOURCES SHOWN IN OUTER PERIMETER IN-ACTIVE AREAS.

DES	DWM	06/2026
CHECK	DJM	06/2026
APPROVED	DWM	06/2026
SCALE	1" = 400'	
ISSUED	06/2026	



**WESTMORELAND
SANITARY
LANDFILL**

SANITARY LANDFILL

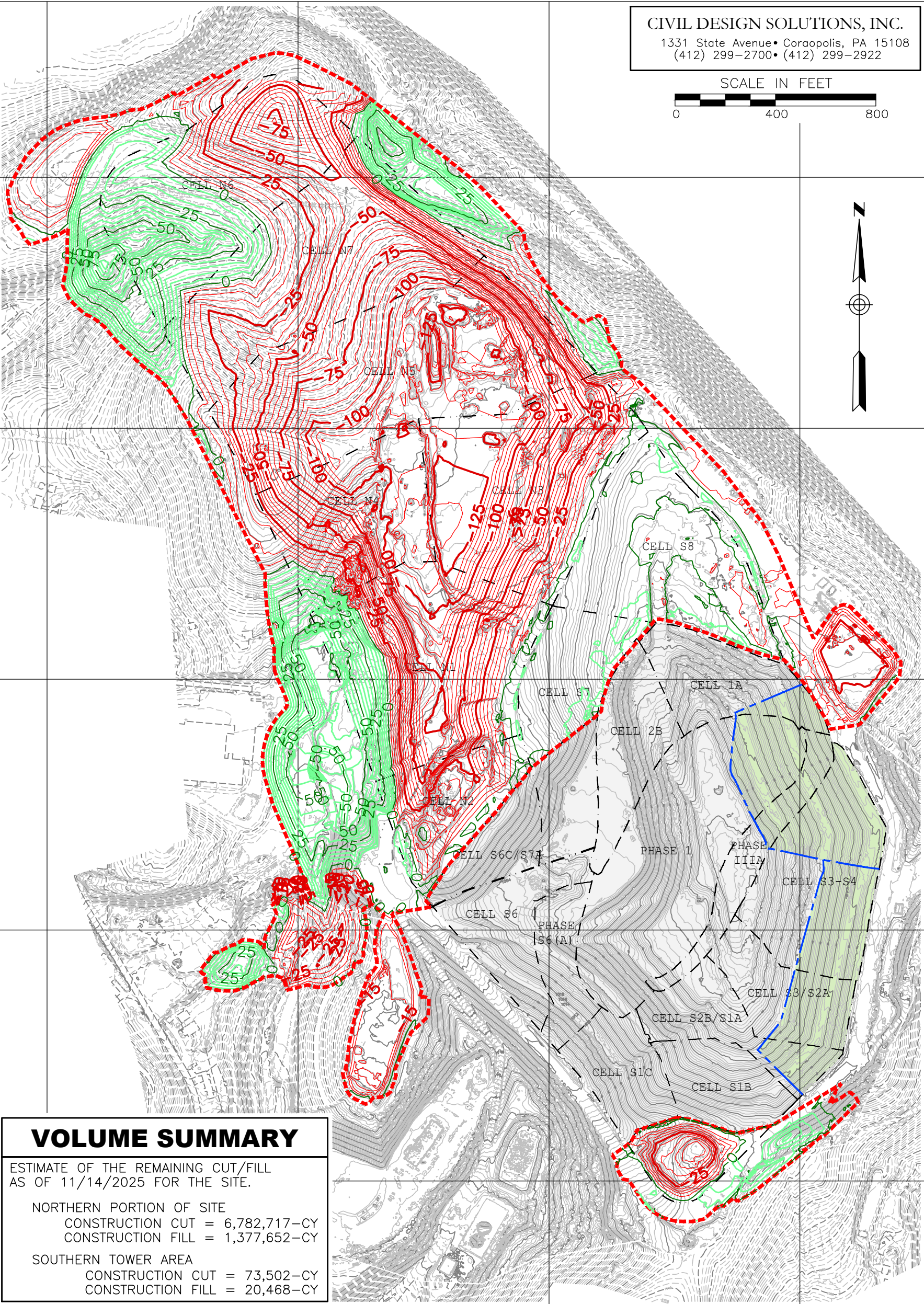
SHEET TITLE:

11/14/2025 CUT/FILL
PROPOSED CONTOURS

FIGURE:

1

CIVIL DESIGN SOLUTIONS, INC.
1331 State Avenue • Coraopolis, PA 15108
(412) 299-2700 • (412) 299-2922



VOLUME SUMMARY

ESTIMATE OF THE REMAINING CUT/FILL
AS OF 11/14/2025 FOR THE SITE.

NORTHERN PORTION OF SITE

CONSTRUCTION CUT = 6,782,717-CY
CONSTRUCTION FILL = 1,377,652-CY

SOUTHERN TOWER AREA

CONSTRUCTION CUT = 73,502-CY
CONSTRUCTION FILL = 20,468-CY

LEGEND

- 1010— 11/14/2025 EXISTING CONTOUR (SEE NOTE 1)
- 25— CONSTRUCTION CUT ISOPACH CONTOUR (C.I. = 5-FT)
- 25— CONSTRUCTION FILL ISOPACH CONTOUR (C.I. = 5-FT)
- - - - - PERMITTED LANDFILL / CELL LIMIT
- - - - - PREVIOUS CELL LIMIT
- - - - - LIMIT OF VOLUME CALCULATION

NOTES

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DES	DWM	06/2026
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APPROVED	DWM	06/2026
SCALE	1" = 400'	
ISSUED	06/2026	

SANITARY LANDFILL

SHEET TITLE:
11/14/2025 CUT/FILL
PROPOSED ISOPACH



WESTMORELAND
SANITARY
LANDFILL

FIGURE:

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