25809 I 30
Bryant, AR 72022-9313
**P** 501-847-9292
**F** 501-847-9210
**Terracon.com**

October 16, 2024

Mr. David Isaacs, Solid Waste Permitting Engineer
Arkansas Department of Energy & Environment
Division of Environmental Quality, Office of Land Resources
Solid Waste Management
5301 Northshore Drive
North Little Rock, AR 72118-5317

**RE: Revised Overfill Management Plan**
**Garland County Cedar Glades Class 4 Landfill**
**Permit# 0300-S4; AFIN 26-00405**
**Terracon Project No. 35247209**

Dear Mr. Isaacs:

On behalf of the Garland County Cedar Glades Class 4 Landfill (GCCG LF) and Crafton Tull (site engineer), Terracon Consultants, Inc. (Terracon) is providing this Overfill Management Plan (OFMP) to address removal of excess materials that are currently above final waste grades in accordance with the Plan below. Some areas in question may likely consist of only weekly cover, intermediate cover, buttress and/or repair soils. Certain excess fill will be removed and graded to appropriate elevations by the facility within 30 days of the DEQ approval of this OFMP. Areas of excess materials along the west side of the landfill will be removed and regraded as part of a forthcoming partial closure of the west slope.

**Background**

Terracon provided the 2023 AEIR to DEQ Solid Waste personnel on June 28, 2024 (Doc ID 85661). During review, the DEQ noted that the submitted isopach contour map and cross sections provided in the AEIR indicated excess soil fill. It was confirmed during a recent site visit that areas of excess soil, potentially with waste overfill, are in place in recently filled areas along the north slope of the newest constructed cell – Phase 2, Cell 4. Excess soil is also in place along the western slope of the landfill, including in the vicinity of the temporary access road to the active fill area.

As shown on the enclosed drawing, the lateral extent of areas above final waste grades involve approximately 118,000 sq. ft. of area on the northern and western sides of the active landfill.

Areas with fill above the final waste grades have generally had soil added as a preventative measure within wet areas to prevent leachate seep outbreaks. Temporary soil fill associated with the disposal area access road is noted in the vicinity of the cross section alignment B-B'. Along the northern slope of newest cell Phase 2, Cell 4, a soil buttress was left in place to prevent interface flow from eminating from the lower part of the slope. The attached photograph, taken on August 29th, indicates several feet of soil within the buttress at the north end of the active landfill.

**Removal and Re-grading of Waste Overfill**

Waste overfill shown along the north side of Phase 2, Cell 4, illustrated in attached Figure 3 and in cross section A-A' on attached Figure 4, will be removed and the area re-graded to keep the waste and interim cover at or below the final waste grades. For removal of wastes and soils that are currently present above the final waste grades, confirmatory survey shots will be taken after removal to demonstrate the areas are then within the final waste grades. These activities are planned to be completed within 30 days of the DEQ approval of this OFMP. The soil only overfill areas present along the west slope will remain until the area is regraded and closed with a low permeability cover system planned for Summer 2025.

Roadway materials and supporting soil have also been placed above the finished final waste grades slope along the western portions of Phase 2, Cell 2 and Phase 2, Cell 3. Fill from the roadway construction is visible on cross section B-B' on attached Figure 4. If portions of overfill in this area are not associated with the ingress/egress operational road and are not in place to support the access road, they will also be removed to within the final waste grades within 30 days of the DEQ approval of this OFMP.

**Reporting**

Upon completion of the overfill removal activities and receipt of survey data, Terracon will prepare a letter report for submittal to Garland County and the DEQ presenting the finished elevations in the overfill removal area(s). The report will contain the following information:

- Verification topographic survey data;
- Photographs of removal activities; and
- Findings and Conclusions.

Upon DEQ review and approval of this OFMP, overfill removal activities will begin. Any required waste overfill removal will be accomplished within 30 days. If the 30-day window needs to be extended for any reason, including incliment weather, the DEQ will be notified and an extension will be requested.

Garland County, Crafton Tull and Terracon appreciate the review and cooperation of the DEQ with this matter. If you have any questions, please feel free to contact me at owen.carpenter@terracon.com or at (501) 847-9292.

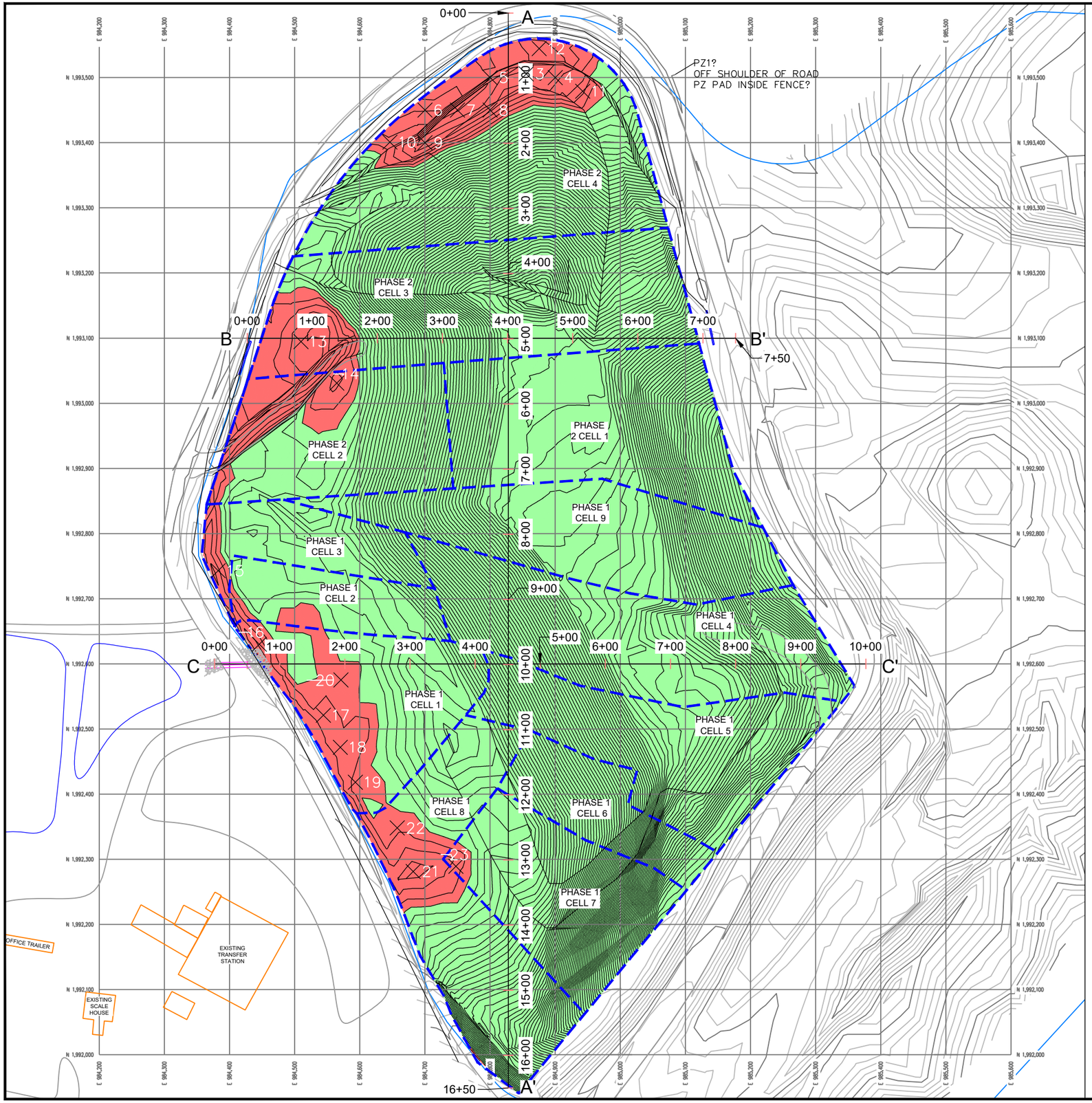
Sincerely,
**Terracon Consultants, Inc.**

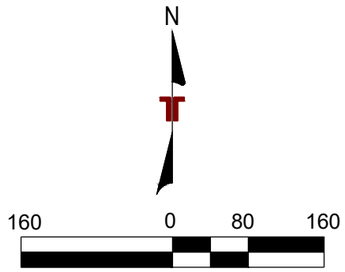
F. Owen Carpenter, P.E., P.G.
Senior Solid Waste Engineer

David C. McCormick, P.E.
Manager/APR

Copy: Darryl Mahoney, Garland County Judge
John Rogers, Crafton Tull

Attachments: Drawing Sketch of Work Areas
Cross Sectional Sheet with Final Cover Shown
Photograph of Excavation in north slope area




SCALE: 1" = 160'

## LEGEND

- LANDFILL BOUNDARY
- PHASE BOUNDARY
- 370 — EXISTING 2024 CONTOURS (2')
- 20 — ISOPACH CONTOURS (FROM EXISTING 2024 CONTOURS TO FINAL WASTE GRADES)
- AIRSPACE
- EXCESS SOIL FILL

NOTE:
EXISTING CONTOURS SHOWN ON THIS DRAWING REPRESENT AERIAL TOPOGRAPHIC SURVEY INFORMATION OBTAINED BY CRAFTON TULL ON JANUARY 3, 2024.

| REV. | DATE | BY | DESCRIPTION |
|---|---|---|---|
| | | | |

ISOPACH CONTOURS WITH GRADE STAKING POINTS

2023 ANNUAL ENGINEERING INSPECTION REPORT

B&F ENGINEERING, INC.

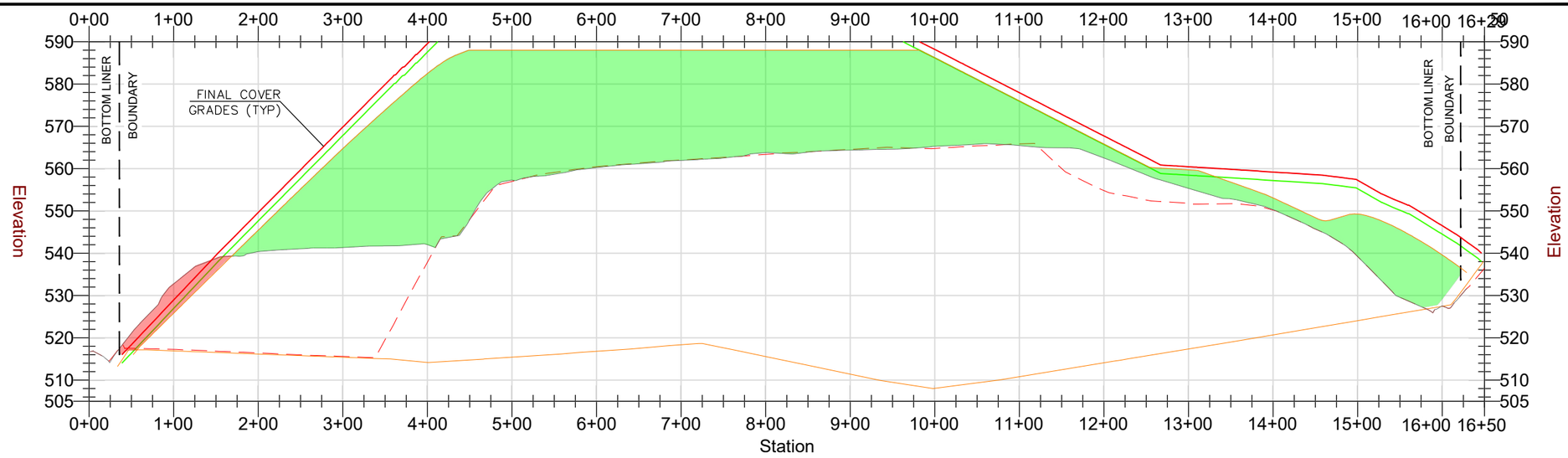
CEDAR GLADES CLASS 4 LANDFILL

GARLAND COUNTY ARKANSAS


terracon
Consulting Engineers and Scientists
25809 INTERSTATE 30 SOUTH
PH. (501) 847-9292
BRYANT, ARKANSAS 72022
FAX. (501) 847-9210


FIGURE 3

| | |
|---|---|
| DESIGNED BY: | DAP |
| DRAWN BY: | DAP |
| APPVD. BY: | FOC |
| SCALE: | SEE BARSCALE |
| DATE: | 08/29/2024 |
| JOB NO. | 009-006-35247095 |
| ACAD NO. | 003 |
| SHEET NO.: | 3 OF 4 |



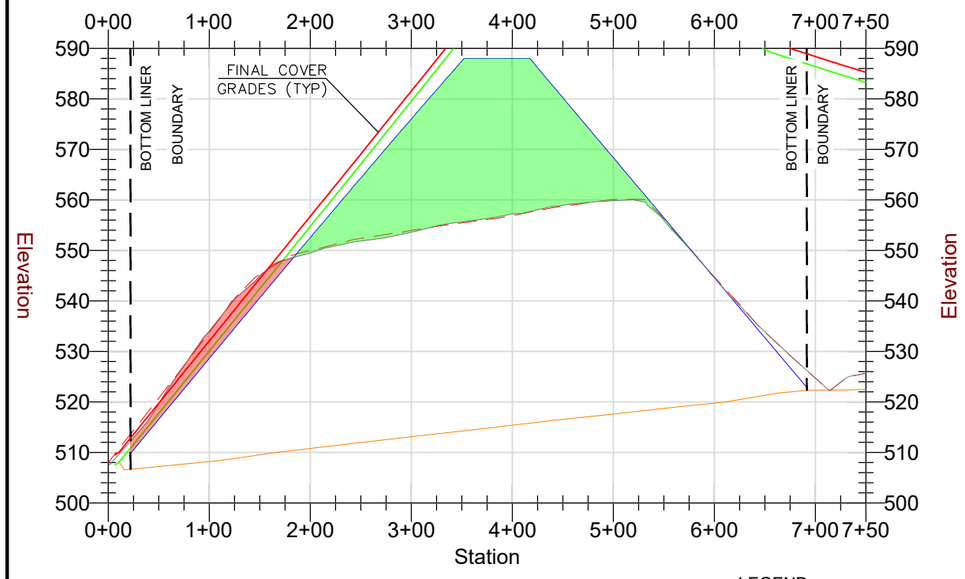

**SCALE:**

VERTICAL: 1" = 150'
HORIZONTAL: 1" = 30'
VERTICAL EXAGGERATION: x5

ALIGNMENT A-A'

LEGEND

- PREVIOUS 2023 TOPOGRAPHY
- EXISTING 2024 TOPOGRAPHY
- INTERIM COVER GRADES
- PERMITTED FINAL WASTE GRADES
- PERMITTED BOTTOM LINER
- AIRSPACE
- EXCESS SOIL FILL



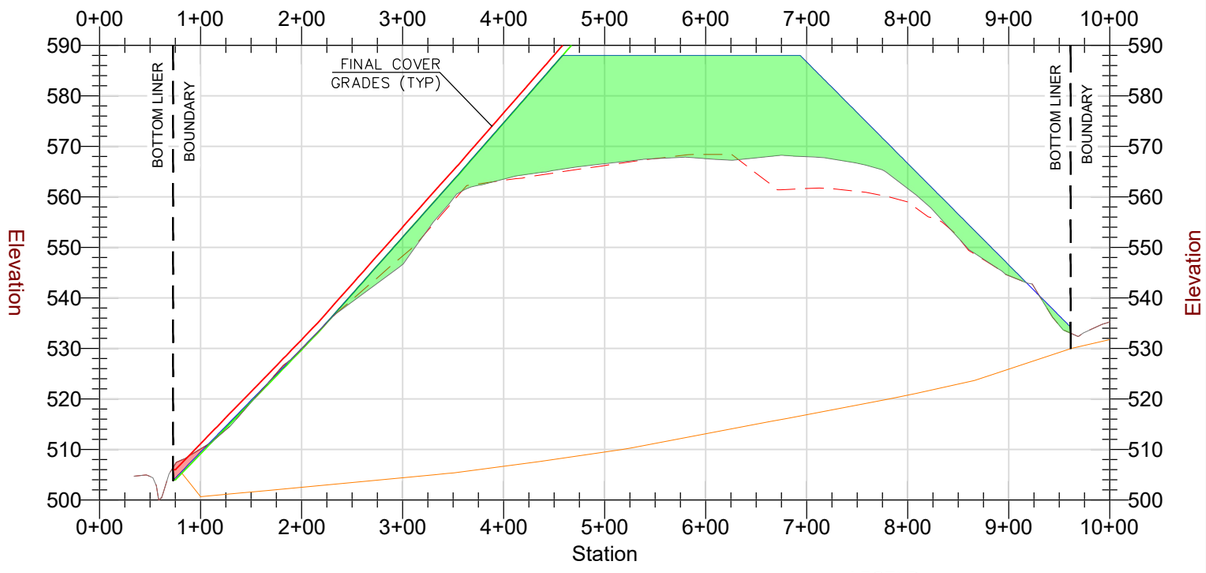

**SCALE:**

VERTICAL: 1" = 150'
HORIZONTAL: 1" = 30'
VERTICAL EXAGGERATION: x5

ALIGNMENT B-B'

LEGEND

- PREVIOUS 2023 TOPOGRAPHY
- EXISTING 2024 TOPOGRAPHY
- INTERIM COVER GRADES
- PERMITTED FINAL WASTE GRADES
- PERMITTED BOTTOM LINER
- AIRSPACE
- EXCESS SOIL FILL




**SCALE:**

VERTICAL: 1" = 150'
HORIZONTAL: 1" = 30'
VERTICAL EXAGGERATION: x5

ALIGNMENT C-C'

LEGEND

- PREVIOUS 2023 TOPOGRAPHY
- EXISTING 2024 TOPOGRAPHY
- INTERIM COVER GRADES
- PERMITTED FINAL WASTE GRADES
- PERMITTED BOTTOM LINER
- AIRSPACE
- EXCESS SOIL FILL

| REV. | DATE | BY | DESCRIPTION |
|---|---|---|---|

CROSS SECTIONS SHOWING FINAL COVER GRADES

2023 ANNUAL ENGINEERING INSPECTION REPORT

B&F ENGINEERING, INC.

CEDAR GLADES CLASS 4 LANDFILL

GARLAND COUNTY ARKANSAS


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25809 INTERSTATE 30 SOUTH
PH. (501) 847-9292
BRYANT, ARKANSAS 72022
FAX: (501) 847-9210


FIGURE 4

| | |
|---|---|
| DESIGNED BY: | DAP |
| DRAWN BY: | DAP |
| APPVD. BY: | FOC |
| SCALE: | SEE BARSCALE |
| DATE: | JUNE 2024 |
| JOB NO. | 009-006-35247095 |
| ACAD NO. | 003 |
| SHEET NO.: | 4 OF 4 |


210G
LC