

**Johnson, Sabrina O**

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**From:** John Arnold <john.phillip.arnold@gmail.com>  
**Sent:** Tuesday, March 30, 2021 9:40 AM  
**To:** SWD\_Waste; Black, Alexis  
**Cc:** Glen Bleau  
**Subject:** WACS 87895 Enterprise Road CLIII Airspace and Lifespan Estimate  
**Attachments:** Enterprise CLIII MAR 2021 Airspace and Lifespan Report to ARM from FDEP submittal.pdf

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## Arnold Engineering Consulting, LLC

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March 30, 2021

Ms. Alexis Black  
Environmental Specialist II  
Compliance Assurance Program  
Florida Department of Environmental Protection - Southwest District  
13051 N. Telecom Parkway, Suite 101  
Temple Terrace, FL 33637-0926

RE: Angelo's Recycled Materials  
WACS ID: 87895  
Enterprise Class III Landfill, Permit No.: 177982-028-SO/T3  
Annual Estimate of Remaining Life and Capacity for Landfill - 2021

Dear Ms. Black,

This letter report is being submitted to the Department to satisfy the requirements of Rule 62-701.500(13)(c), F.A.C.:

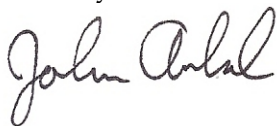
*Maintain an annual estimate of the remaining life and capacity in cubic yards of the existing, constructed landfill and an annual estimate of the life and capacity in cubic yards of other permitted areas not yet constructed. The estimate shall be made and reported annually to the Department.*

The available airspace in Cells 1, 2, 3, 4, 5, 6, 7, 15, 16 and 17 (up to a permitted final cover elevation of 220' NGVD) was computed in CAD using the aerial topographic survey performed by Cooper Aerial Surveys on December 22, 2020. The available airspace was computed to be 4,361,789 cubic yards (please refer to attached Figures 1 and 2). Please be aware that the cell naming sequence at the facility has changed over time, which is why there are no landfill cells "8-14".

The quantity of Class III materials landfilled at the facility, as reported in the 2020 Annual Solid Waste Quantity FDEP Report, was 684,164 tons. Using an in-place compacted density of 1,500 lb/cy, approximately 912,219 cy of airspace was consumed in 2020. If the facility continues to receive 684,164 tons of materials on an annual basis, the lifespan of the permitted landfill airspace is estimated to be 57 months.

If you have any questions or need any additional information, please feel free to call me at (813) 477-1719.

Sincerely,

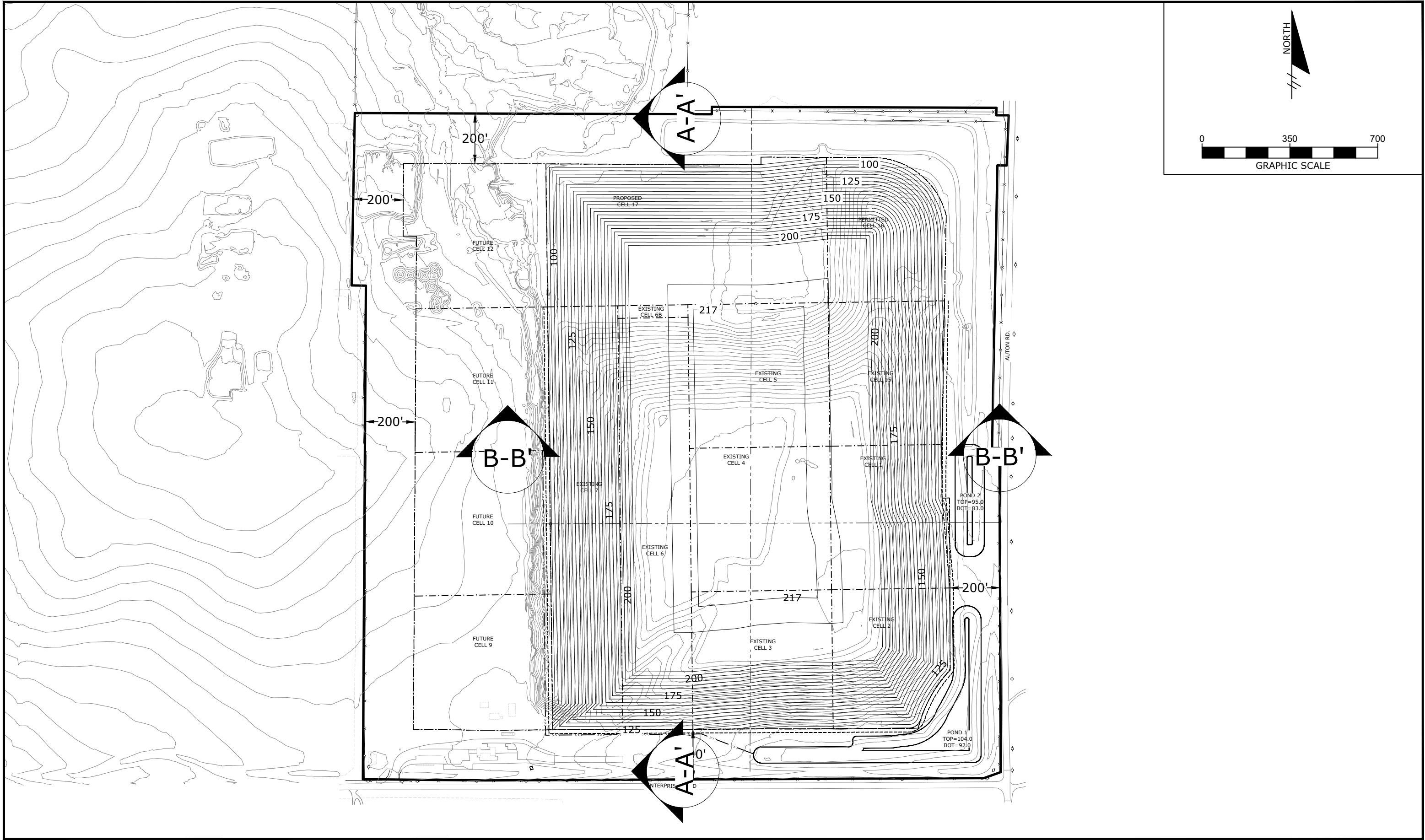


John P. Arnold, P.E.

xc: [SWD\\_Waste@dep.state.fl.us](mailto:SWD_Waste@dep.state.fl.us)  
Dominic Iafrate, Angelo's Recycled Materials  
Glen Bleau, Angelo's Recycled Materials

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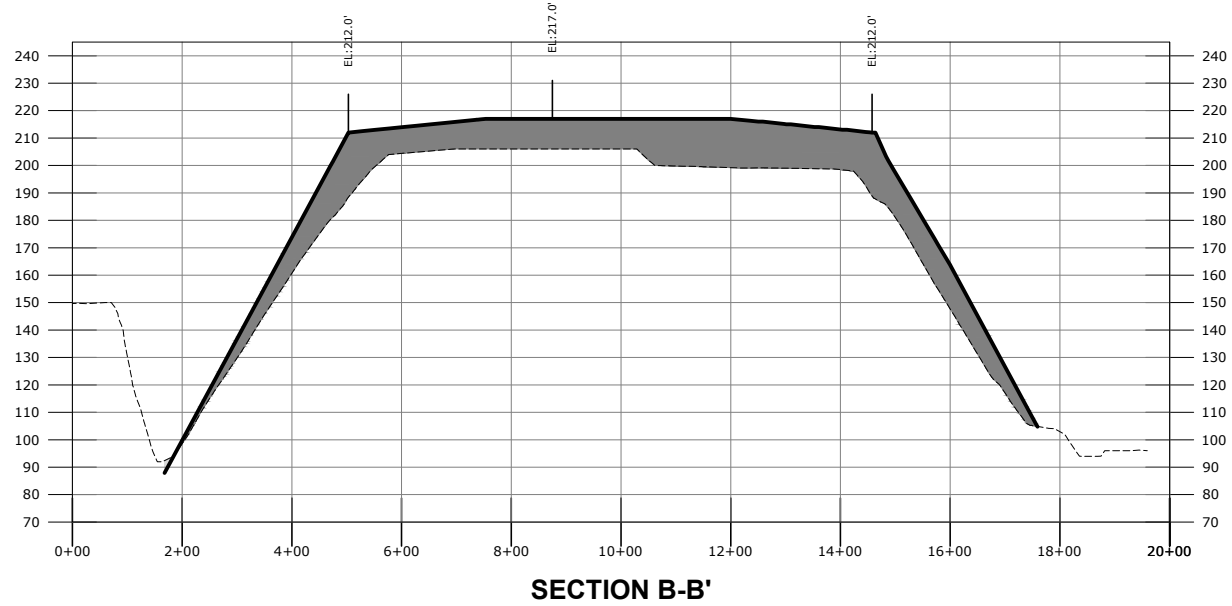
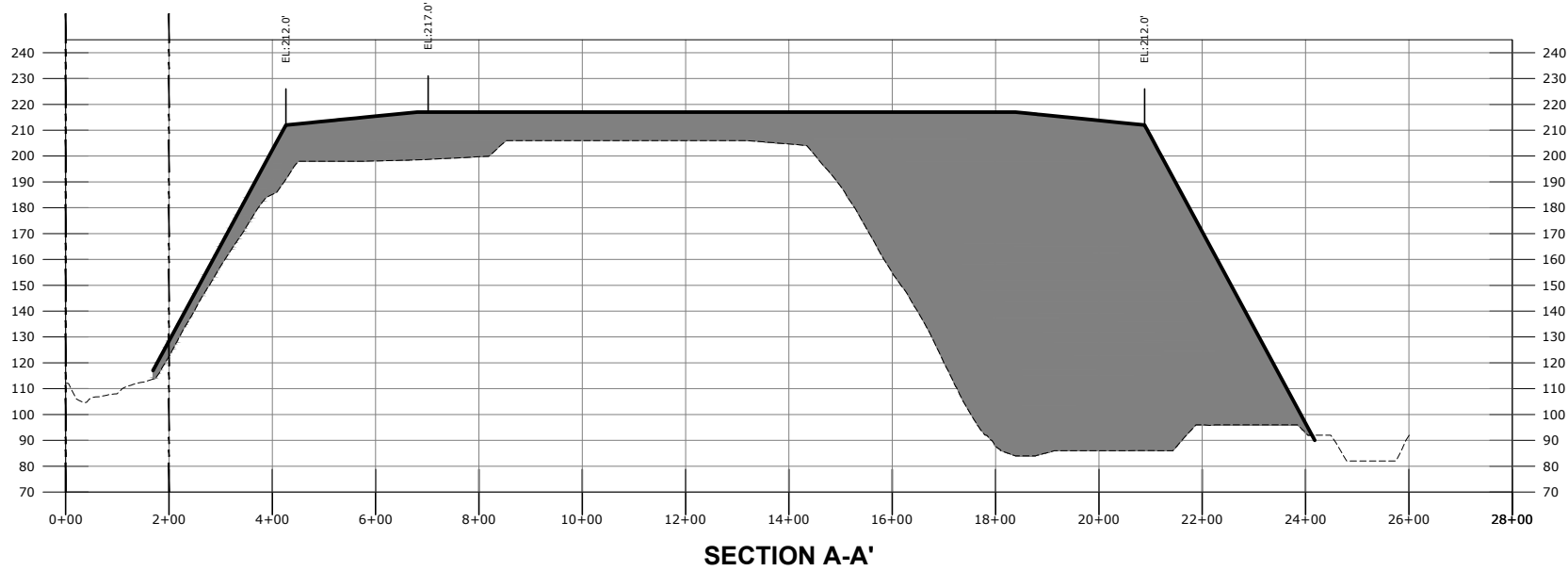


PROJECT:  
AIRSPACE CALCULATION  
ENTERPRISE ROAD CLASS III  
RECYCLING & DISPOSAL FACILITY  
DADE CITY, PASCO COUNTY, FLORIDA

SHEET TITLE:  
AIRSPACE PLAN BETWEEN:  
EXISTING SURFACE: ENTERPRISE ROAD CLASS III LF-3D  
PROPOSED SURFACE: CONCEPT CLOSURE TOP OF WASTE

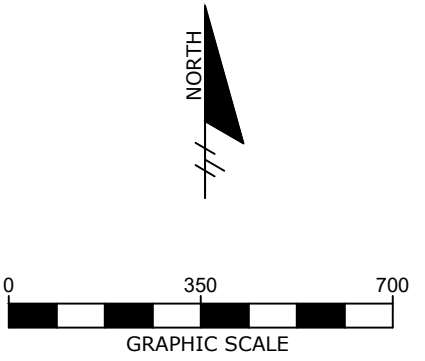
PROJECT NUMBER: 02000-217-17  
SCALE: 1" = 350'  
**FIGURE NO. 1**





**Cut/Fill Summary**

Name	Cut Factor	Fill Factor	Net
SURF-VOLUME	1.000	1.000	4,361,788.58 Cu. Yd.<Fill>



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**FIGURE NO. 2**

