

From: [Lisa Baker](#)
To: [John Locklear](#); [Morgan, Steve](#)
Cc: [Black, Alexis](#); [Madden, Melissa](#)
Subject: RE: Enterprise follow up
Date: Wednesday, May 22, 2019 1:31:26 PM
Attachments: [image004.png](#)
[image001.png](#)
[2019.05.22.Enterprise WorkPlan - SIDESLOPE CUT FILL EVALUATION PLAN.pdf](#)

Hello All... Per your conversation with John, please see attached Sideslope Cut/Fill Plan. Let us know if you have any questions and if this addresses your concerns.

Thanks,
Lisa

Lisa Baker, P.E. | *Engineering Division Director*
4140 NW 37th Place, Suite A, Gainesville, FL 32606
P: [352.672.6867](tel:352.672.6867) **F:** [352.692.5390](tel:352.692.5390) **C:** [352.258.5017](tel:352.258.5017)



From: John Locklear <john@locklearconsulting.com>
Sent: Wednesday, May 22, 2019 10:15 AM
To: Morgan, Steve <Steve.Morgan@FloridaDEP.gov>; Lisa Baker <lisa@locklearconsulting.com>
Cc: Black, Alexis <Alexis.Black@FloridaDEP.gov>; Madden, Melissa <Melissa.Madden@FloridaDEP.gov>
Subject: RE: Enterprise follow up

Good morning Steve,

We do not currently intend to change the design. However, if our evaluation results indicate that a design change is necessary and prudent we would consider modifying the permit in the future. Based on my conversation with Alexis yesterday, the compliance group is okay with a 30-day evaluation period for us to submit the work plan. Basically, we need this time to evaluate construction options/approach, estimate costs/effort, and get the owner's approval of the resulting work plan. Please let me know if this approach is acceptable to the permitting group.

Best regards,

John Locklear, P.G.
President
Locklear & Associates

From: Morgan, Steve [<mailto:Steve.Morgan@FloridaDEP.gov>]
Sent: Tuesday, May 21, 2019 5:11 PM
To: Lisa Baker <lisa@locklearconsulting.com>
Cc: John Locklear <john@locklearconsulting.com>; Black, Alexis <Alexis.Black@FloridaDEP.gov>;
Madden, Melissa <Melissa.Madden@FloridaDEP.gov>
Subject: RE: Enterprise follow up

Lisa/John:

If you look at your closure design, the side slope cut-in becomes the bottom of your side slope conveyance ditch with the addition of the tack-on berms at closure. If the work plan proposes elimination of cut-in, that results in design change that is going to delay the permit because you are going to need to provide supporting information for the change in design of your closure side slope and stormwater conveyance ditches/system.

Steve

From: Lisa Baker <lisa@locklearconsulting.com>
Sent: Tuesday, May 21, 2019 10:00 AM
To: John Locklear <john@locklearconsulting.com>; Morgan, Steve <Steve.Morgan@FloridaDEP.gov>;
Black, Alexis <Alexis.Black@FloridaDEP.gov>
Subject: RE: Enterprise follow up

Hi Steve / Alexis... We're ready to resubmit the final Cell 17 revisions as discussed last week. Is there anything else you'd like to discuss regarding the email below before we do?
Thanks for your help!
Lisa

Lisa Baker, P.E. | *Engineering Division Director*
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From: John Locklear <john@locklearconsulting.com>
Sent: Wednesday, May 15, 2019 2:10 PM
To: steve.morgan@floridadep.gov; alexis.black@floridadep.gov
Cc: Lisa Baker <lisa@locklearconsulting.com>
Subject: Enterprise follow up

Thank you for taking the time to meet with us yesterday regarding permitting and compliance at the

Enterprise Class III Landfill. During the meeting, we agreed to provide the Department with three things: (1) a plan of how we intend to address side slopes along the south and west; (2) research related to the efficacy and feasibility of the collection and destruction of landfill gas to proactively address odor management; and (3) several replacement pages related to the correct designation of gas probe GP-14R.

1. In our preliminary review of the issues raised by the Department, we have concluded that several key points need further evaluation related primarily to constructability and efficacy (e.g., the use of cut-in versus tack on berms) before we can submit a detailed work plan. Therefore, we would like to offer the following language for your consideration regarding the specific permit condition related to this issue:

“The owner shall expend all effort necessary to ensure that all external side slopes are in compliance with the facility’s operations permit within nine (9) months of issuance of the Cell 17 and Vertical Expansion Construction permit. The owner shall provide all documentation necessary to demonstrate permit compliance (e.g., as-built survey) prior to the nine-month deadline.”

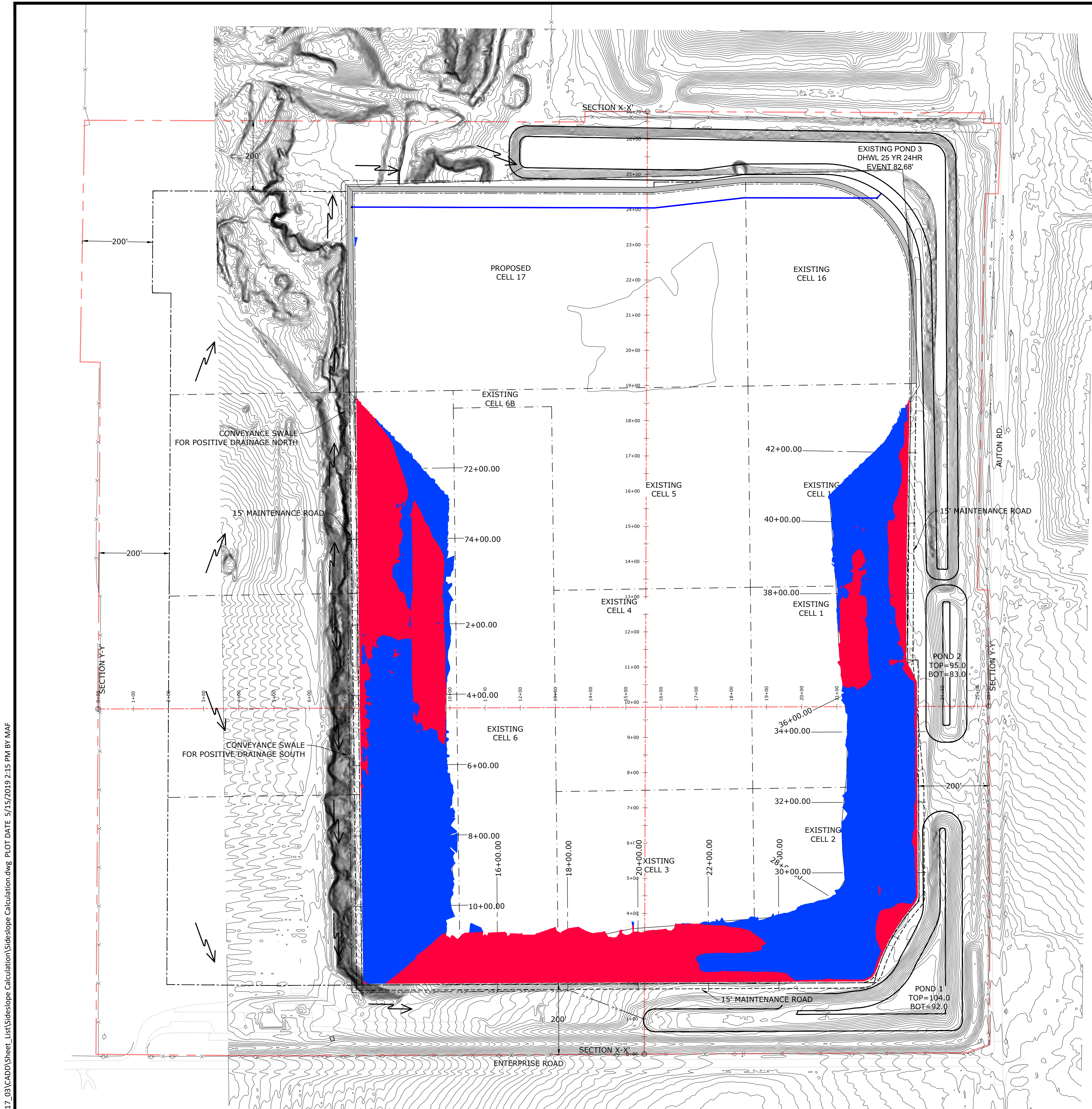
2. In August 2014, the EPA published “Best Management Practices to Prevent and Control Hydrogen Sulfide and Reduce Sulfur Compound Emissions at Landfills That Dispose of Gypsum Drywall.” According to information on page 29 of the EPA BMP document there are several hurdles associated with flaring landfill gas at a Class III or Construction & Demolition Debris landfill: (1) insufficient methane to keep the flare(s) running; (2) corrosivity degradation of LFG system infrastructure; and (3) the high likelihood that the resulting SO₂ production will trigger Title V permitting requirements. Based on this information, we no longer intend to pursue the pilot project we suggested in our April 17, 2019 correspondence. We propose to continue to follow the currently permitted odor remediation plan and evaluate additional options if the current remedial methodology proves inadequate.
3. We are in the process of making the requested modifications and will send no later than 5/17/19.

Best regards,

John Locklear, P.G.
President
Locklear & Associates



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LEGEND

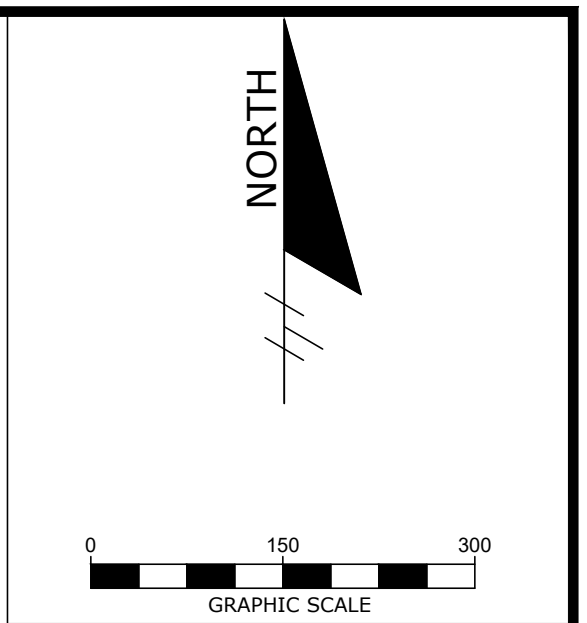
- PERIMETER FENCE
- PROPERTY BOUNDARY
- LANDFILL FOOTPRINT (AT BUILD OUT)
- LANDFILL CELLS
- EXISTING CONTOURS
- CONVEYANCE SWALE
- DIRECTIONAL FLOW ARROW
- CROSS SECTION STATIONS

Elevations Table			
Number	Minimum Elevation	Maximum Elevation	Color
1	-29.79	0.00	RED
2	0.00	19.20	BLUE

RED = CUT AREA
BLUE = FILL AREA

Cut/Fill Summary

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
SURF-VOLUME	1.000	1.000	862874.99 Sq. Ft.	62,873.20 Cu. Yd.	77,798.83 Cu. Yd.	14,925.63 Cu. Yd.<Fill>



NO.	DATE	REVISION DESCRIPTION	BY

4140 NW 37th Place, Suite A
Gainesville, Florida 32606
Phone: 352.672.6867 Fax: 352.692.5390
Certificate of Authorization No. 30066

PROJECT TITLE:
SIDESLOPE CUT/FILL CALCULATION
ENTERPRISE ROAD CLASS III
RECYCLING & DISPOSAL FACILITY
CELL 17 AND VERTICAL EXPANSION CONSTRUCTION PERMIT
DADE CITY, PASCO COUNTY, FLORIDA

DESIGNED BY	LJB
DRAWN BY	MAF
CHECKED BY	JDL
APPROVED BY	LJB

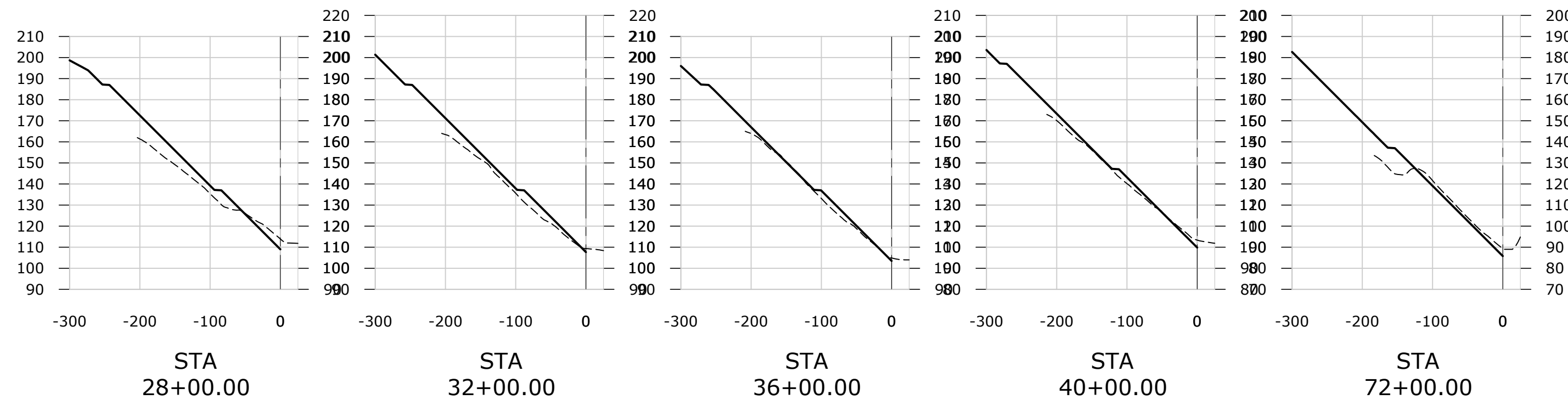
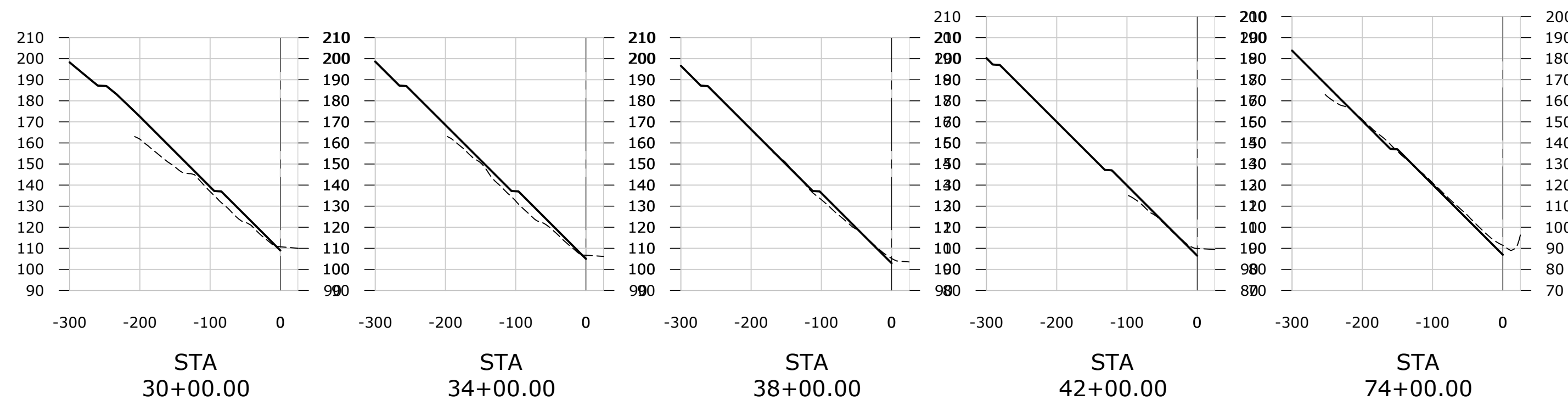
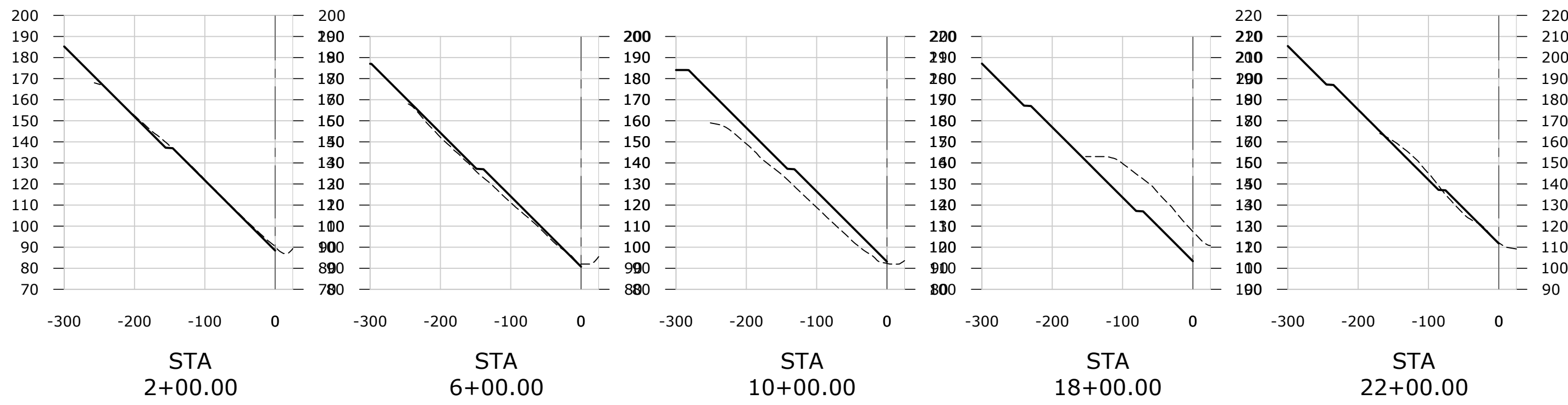
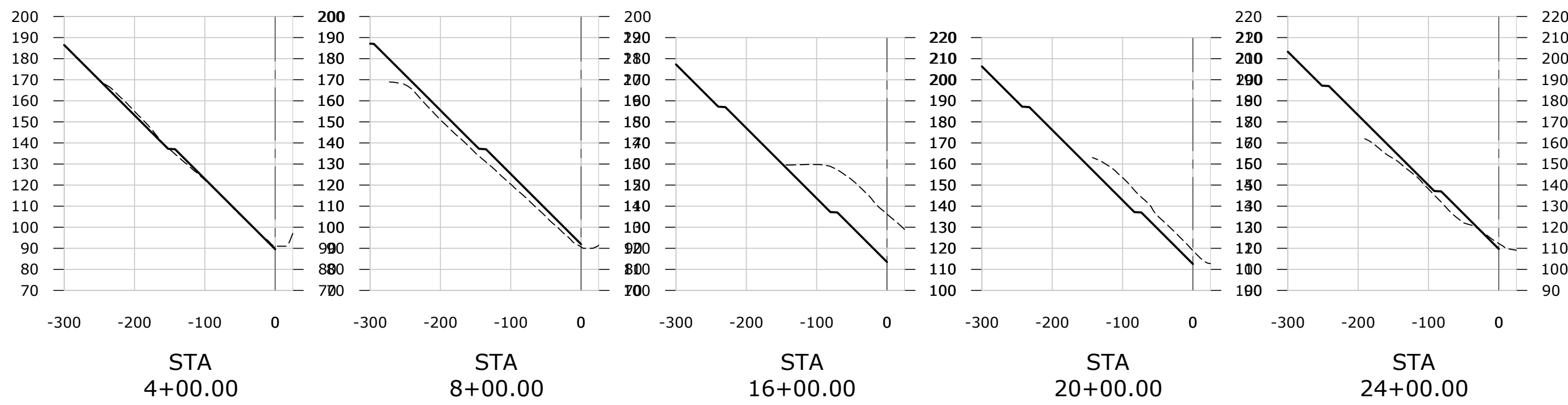
SHEET TITLE:

SIDESLOPE CUT/FILL CALCULATION PLAN

PROJECT NO.:
02000-217-17
SCALE:
AS SHOWN
DATE:
MAY 2019
DRAWING:
C1.00

FOR CUT/FILL EVALUATION ONLY - NOT FOR CONSTRUCTION

SCALES:
HORIZONTAL 1"=150'
VERTICAL 1"= 50'



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Locklear

& Associates

4140 NW 37th Place, Suite A

Gainesville, Florida 32606

Phone: 352.672.6867 Fax: 352.692.5390

Certificate of Authorization No. 30066

PROJECT TITLE:

SIDESLOPE CUT/FILL CALCULATION

ENTERPRISE ROAD CLASS III

RECYCLING & DISPOSAL FACILITY

CELL 17 AND VERTICAL EXPANSION CONSTRUCTION PERMIT

DADE CITY, PASCO COUNTY, FLORIDA

DESIGNED BY	LJB
DRAWN BY	MAF
CHECKED BY	JDL
APPROVED BY	LJB

SHEET TITLE:

SIDESLOPE CUT/FILL CALCULATION SECTIONS

PROJECT NO.:	02000-217-17
SCALE:	AS SHOWN
DATE:	MAY 2019
DRAWING:	C1.20

FOR CUT/FILL EVALUATION ONLY - NOT FOR CONSTRUCTION