

## MEMORANDUM

TO: Board of Commissioners  
FROM: Josh Tyler, Director of Operations  
DATE: January 13, 2020  
RE: CSWD Materials Recovery Facility, Civil Site Cost Estimates

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December 18, 2019 the Board of Commissioners agreed to focus the MRF civil siting review on the Redmond Road property. O'Leary & Burke Civil Associates (OLB) has performed a cost estimate analysis for the development of a new Materials Recovery Facility (MRF). The preliminary cost estimate for site work and a 57,500 square foot building is approximately \$7,100,000.00, site plans can be found in Attachment A. District staff will be contacting selected recycling system providers for preliminary equipment cost estimates. Estimates will be based on the general existing input and output conditions with anticipated processing expansion over a 20-year period. A cost estimate for processing equipment and a summary of equipment function and benefit will be included in the February Board packet.

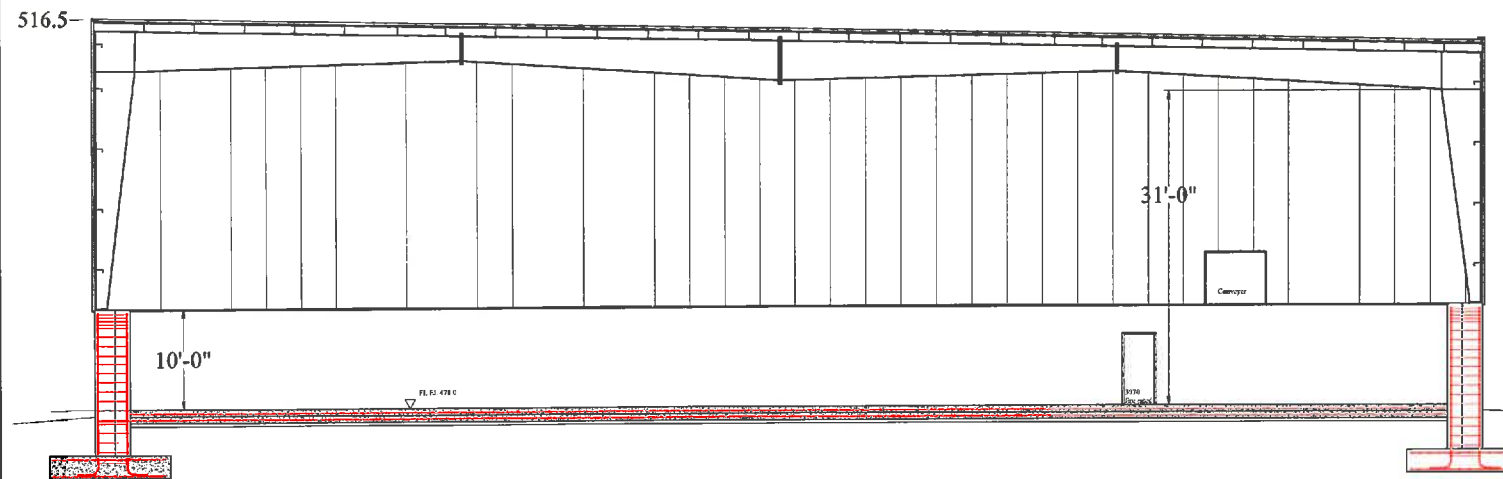
It is the goal of this investigation to bring the Board of Commissioners a comprehensive analysis for the development of a new MRF in the early spring. The analysis will include:

- estimated cost for site development
- estimated cost for building construction
- estimated cost for processing equipment
- Innovative processing equipment analysis
  - Technology automation
  - Potential A.I. system management
- Cost Benefit Analysis
  - Contract operation staffing vs District operation staffing
  - Project cost payback and associated tip fee adjustments

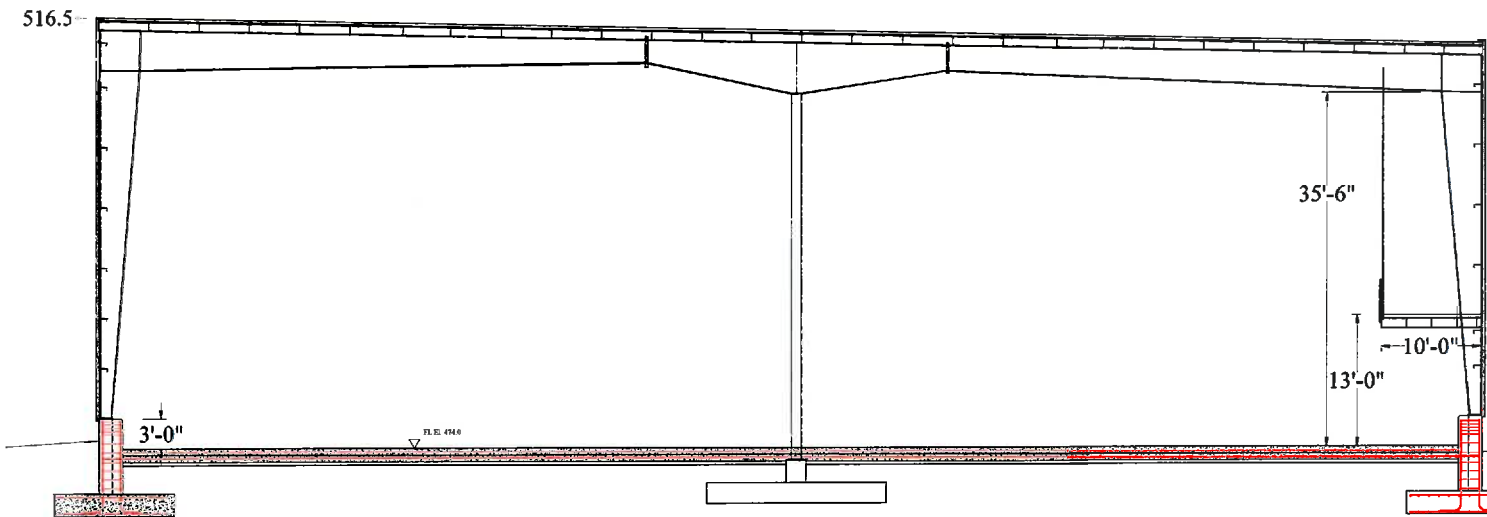
**Attachment A**



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Section 1-1  
 Scale:  $\frac{1}{8}$ "=1'-0"



Section 2-2  
 Scale:  $\frac{1}{4}$ "=1'-0"



Section 3-3  
 Scale:  $\frac{1}{8}$ "=1'-0"

Distribution

- Site
- Sketch/Concept
- Preliminary
- Final Plan
- Details
- For Construction
- As Built

Revisions

Date	Revision

Owner's Name

Chittenden Solid Waste  
 District  
 Redmond Road  
 Williston, VT 05495

Project Name

Proposed  
 Material Recovery Facility

Sheet Title

Sections

Dated: Jan 3, 2020  
 Scale:  $\frac{1}{8}$ "=1'-0"  
 Drawn: W. ADAMS

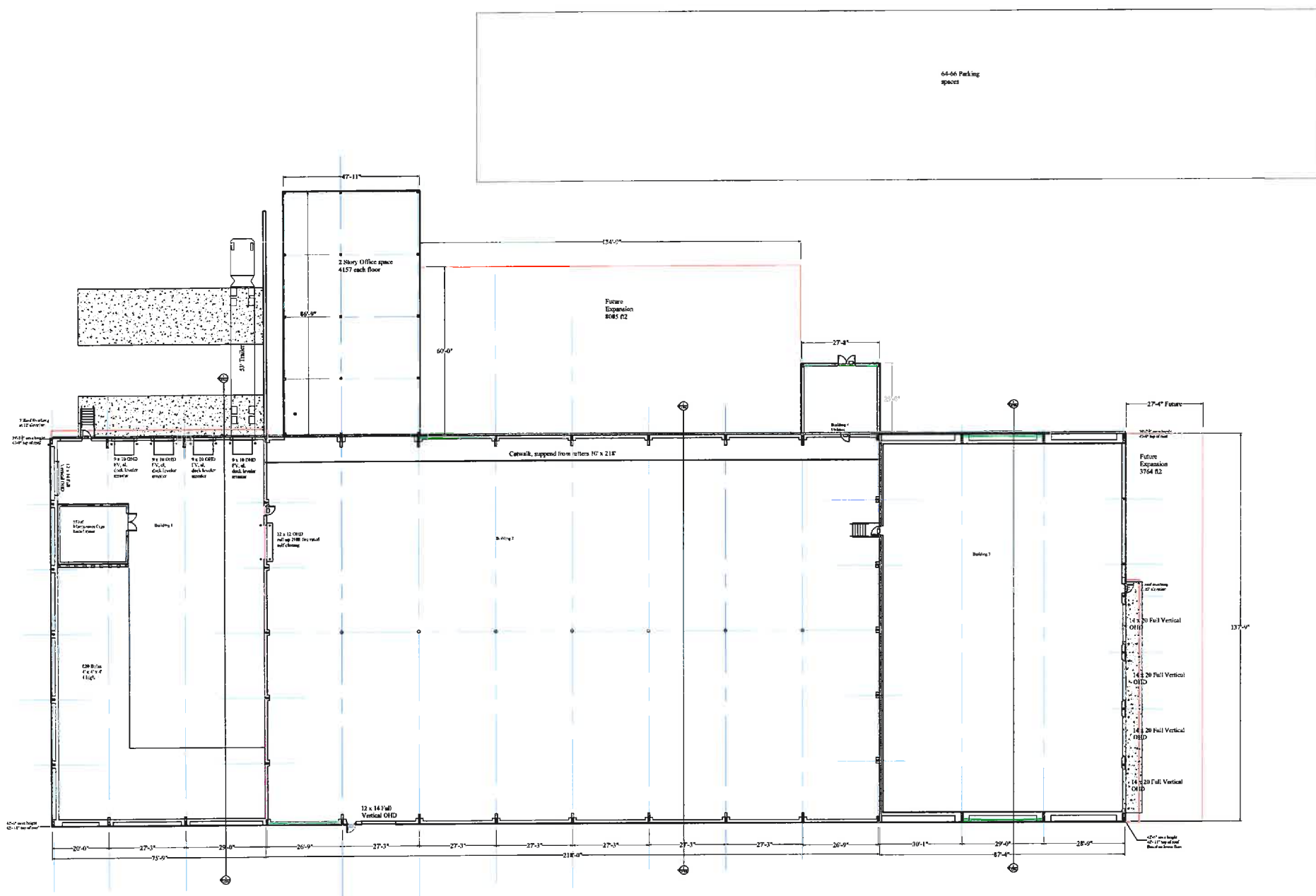
Sheet Number

A 300  
 Sheet 1 of 1

File Name



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○ Floor Plan, revised  
 Scale: 1"=20'

Distribution

Use
<input checked="" type="checkbox"/> Sketch/Concept
<input type="checkbox"/> Preliminary
<input type="checkbox"/> Final Plan
<input type="checkbox"/> Permit
<input type="checkbox"/> For Construction
<input type="checkbox"/> As Built

Revisions

Date	Revision

Owner's Name

Chittenden Solid Waste  
 District  
 Redmond Road  
 Williston, VT 05495

Project Name

Proposed  
 Material Recovery Facility

Sheet Title

Floor Plan

Dated: Jan 7, 2020  
 Scale: 1"=20'  
 Drawn: W. ADAMS

Sheet Number

A 100  
 Sheet 1 of 1

File Name