

ADDENDUM NO. 8

Project: Missoula Garden City Compost Improvements Project

Owner: City of Missoula, Montana
1345 W. Broadway
Missoula, MT 59820 •

Engineer: Anderson-Montgomery Consulting Engineers
1064 N. Warren
Helena, MT 59802
(406) 459-8463 – Paul Montgomery, P.E.

Date of Addendum: March 27, 2025

Bid Opening Date: As Amended: April 2, 2025

The following corrections, clarifications, and/or alterations to the project documents for the project are as such a part and parcel of said plans and specifications as if included therein.

TECHNICAL SPECIFICATIONS: (Removed language shall be ~~stricken~~ and new language shall be ***bold italics***.)

1. Section 00 52 00 – AGREEMENT

Modify Part 4.01.A to extend Base Bid contract time

4.01. *Time of the Essence*

- A. All time limits for Milestones, if any, Substantial Completion, and completion and readiness for final payment as stated in the Contract Documents are of the essence of the Contract. The Contract Time allowed for this Project's Base Bid will be ~~255~~ 270 consecutive calendar days from the date of the Notice to Proceed to the date of Substantial Completion. 35 calendar days will be added to the Contract Time if Additive Alternate A is awarded to the Contractor. 60 calendar days will be added to the Contract Time if both Additive Alternates A and B are awarded to the Contractor.

2. Section 03 30 00 – CAST-IN-PLACE CONCRETE

Revise Part 2.02.C.1 as follows:

1. Alkali-Silica Reaction: Comply with one of the following:
 - a. Expansion Result of Aggregate: Not more than 0.04 percent at one-year when tested in accordance with ASTM C1293.
 - b. Expansion Results of Aggregate and Cementitious Materials in Combination: Not more than 0.10 percent at an age of 16 days when tested in accordance with ASTM C1567.
 - c. Alkali Content in Concrete: Not more than 4 lb./cu. yd. for moderately reactive aggregate or 3 lb./cu. yd. for highly reactive aggregate, when tested in accordance with ASTM C1293 and categorized in accordance with ASTM C1778, based on alkali content being calculated in accordance with ACI 350.5.
 - d. ***Concrete Supplier may forego ASR testing upon supplying the OWNER with evidence that alkali-silica reaction potential for its aggregate is minimal, based***

on a history of previous projects using the same aggregate in similar concrete mix designs – with no ASR-related deterioration experienced.

3. Section 03 30 00 – CAST-IN-PLACE CONCRETE

Revise Part 3.08.C.6 as follows:

3.08 INSTALLATION OF MISCELLANEOUS CONCRETE ITEMS

C. Equipment Bases and Foundations:

6. For supported equipment, install ~~epoxy-coated~~ *stainless steel* anchor bolts that ~~extend through concrete base and~~ anchor into structural concrete substrate *per manufacturer's requirements.*

4. Section 40 27 00 – PROCESS PIPING

Add Part 3.14 as follows:

3.14 TOLERANCES FOR COMPOST AERATION PIPING & GRATES

A. Aeration Grates shall be installed with the following maximum tolerances:

- a. *Installed centerline to centerline horizontal distances shall be within $\pm 1"$ of the spacings outlined on Sheet M-2;*
- b. *Installed vertical height of the aeration grates above finished slab surface shall be within $\pm 1/32"$ of that shown in Detail 1 of Sheet M-29.*

DRAWINGS:

1. A Bidder asked for further clarification regarding demolition scope for the two electrical panels for the existing mixer. An additional note clarifying the intent has been included on Sheet D-1. See Exhibit A.
2. A Bidder asked for clarification on the anchor bolt material for blowers/equipment. See Exhibit B for revised Sheet S-5, Detail 3.
3. The Engineer issued Addendum #7 allowing for larger pours up to 60'x60' and revising Sheet S-9. See Exhibit B for similar revisions to Sheet S-10. *Checkerboard pour pattern and Detail 1 on Sheet S-4 are still applicable for both control joints and construction joints.*
4. A Bidder pointed out an error: Sheet S-15: Note on Detail 2 – EMBED PL $1/2$ "x6"x6" (TYP of $\neq 3$). See Exhibit B for the corrected Sheet S-15

CLARIFICATIONS/CORRECTIONS/INFORMATION:

1. Response to Bidder inquiry: Sheet S-13 – Section A; Sheet S-14 – Section A: the Biosolids bin walls and Premix bin walls can be cast without taper, ie: with the top of wall being increased from 12" to 18".

ATTACHMENTS:

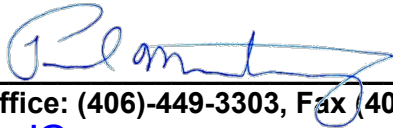
Attached for the bidder's information are the following:

- Exhibit A – Revised Sheet: D-1;
- Exhibit B – Revised Sheets S-5; S-10; S-15

Please Remember To Acknowledge Receipt Of This Addendum when submitting bids through QuestCDN.

Issued By: ANDERSON-MONTGOMERY, 1064 N. WARREN, HELENA, MT 59601,

Paul Montgomery, P.E., Project Manager



Office: (406)-449-3303, Fax (406)-449-3304
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END OF ADDENDUM NO. 8

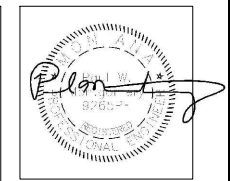
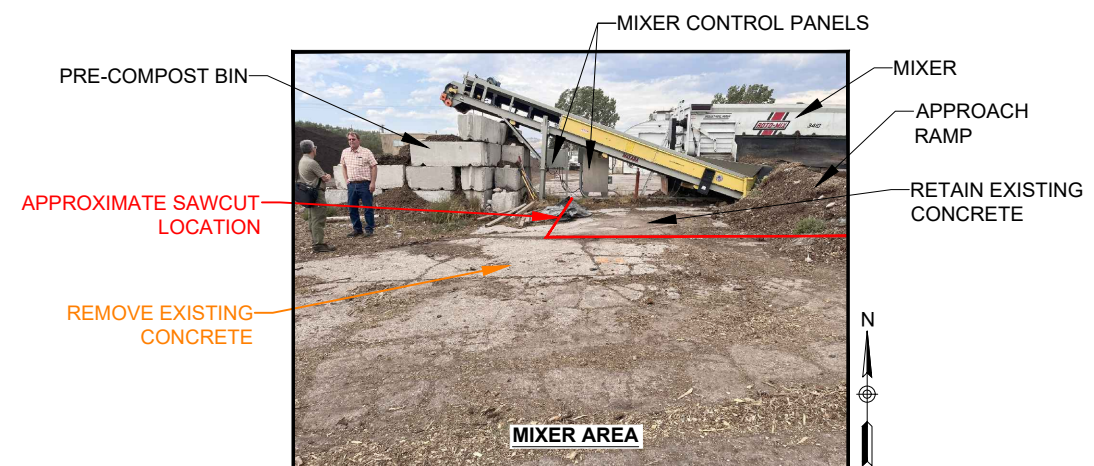
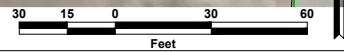
EXHIBIT A

**Revised Sheet
D-1**

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Demolition Site Plan



Revision	Date	By
30% Draft	8/1/24	AE
60% Draft	11/18/24	AE
90% Draft	1/31/25	AE
Final	2/14/25	AE
Add. #8	3/26/25	AE

Revision Addendum #8
 Plot Scale 1:2
 Drawn By A.Eckhart, P.E.
 Approved By P.Montgomery, P.E.
 Checked By A.Eckhart, P.E.
 Designed By P.Montgomery, P.E.

Engineer

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Owner
 City Of Missoula

Project Title
 Garden City Compost Facility Improvements

Sheet Title
Demolition Site Plan

Sheet
D-1

EXHIBIT B

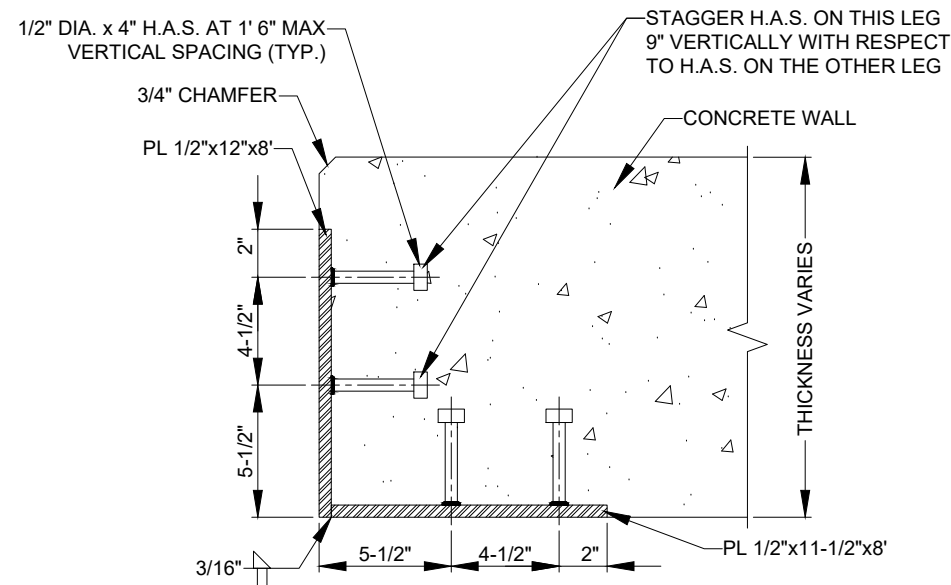
Revised Sheets

S-5

S-10

S-15

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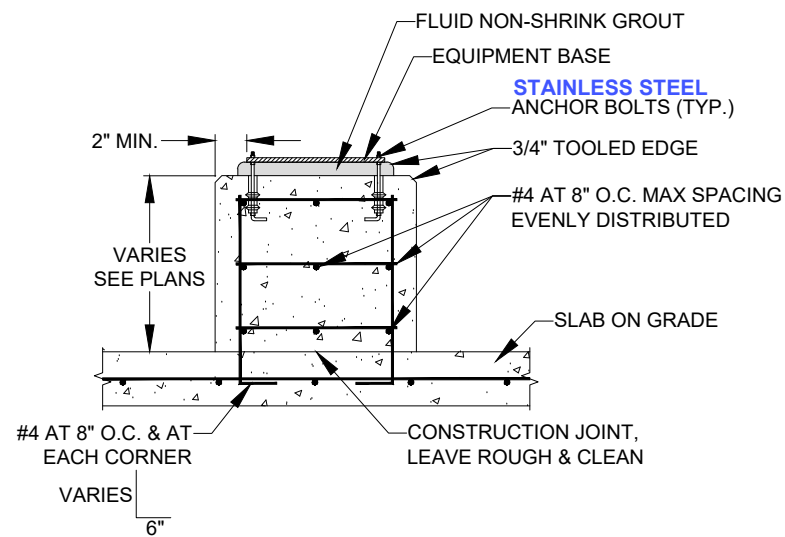


PLAN VIEW

Concrete Corner Armor Angle (1)
NO SCALE

NOTES:

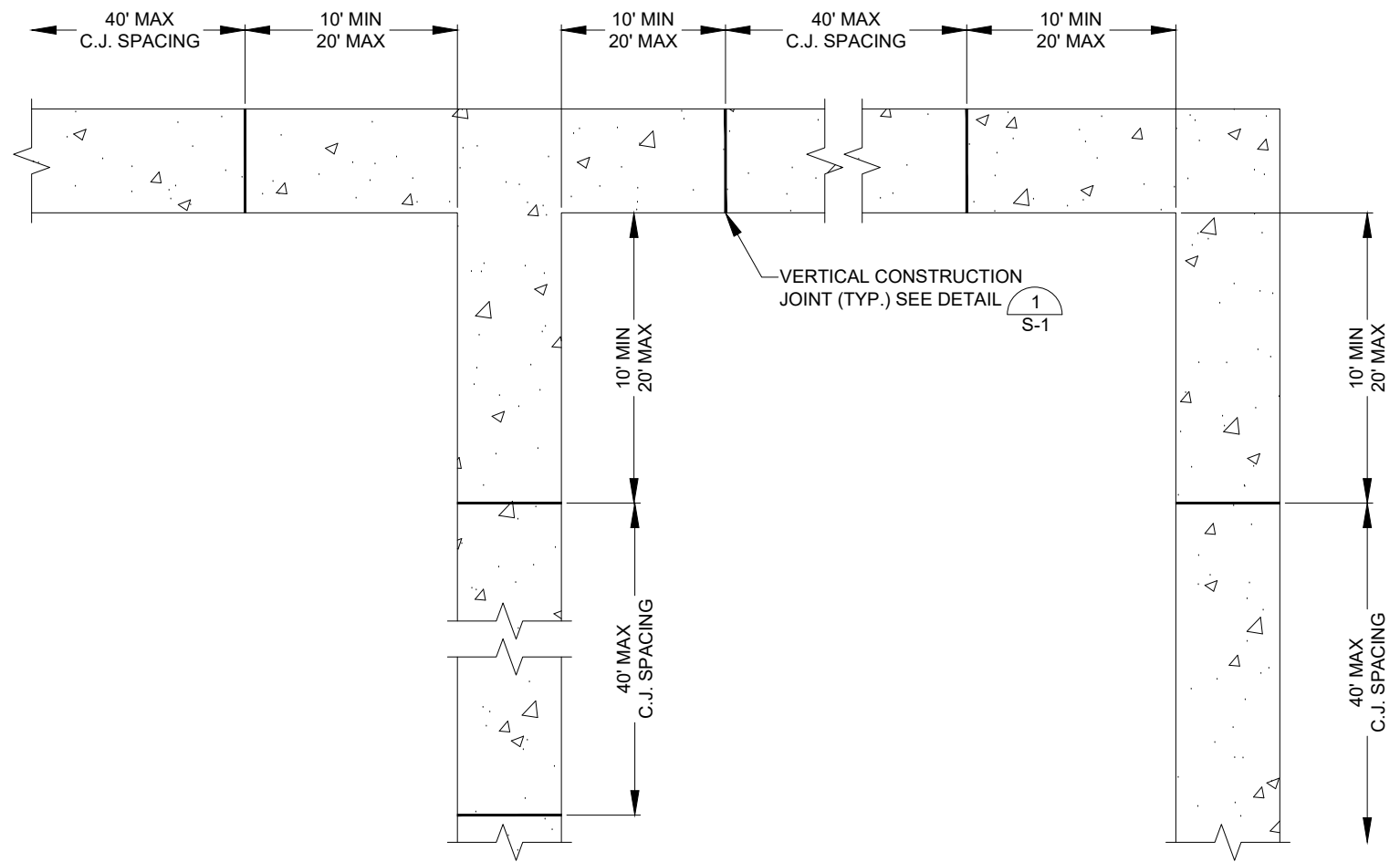
- PAINT ASSEMBLY WITH SYSTEM NO. 4 AFTER FABRICATION.
- INSTALL BOTTOM OF ANGLE AT TOP OF SLAB ELEVATION.
- PROVIDE (1) VERTICAL ROW OF 3/16" Ø HOLES ALONG EACH ANGLE LEG FOR ATTACHMENT OF ANGLE TO FORMWORK.



Blower/Fan Concrete Pedestal (3)
NO SCALE

NOTES:

- BARS SHALL BE PLACED ON 8" CENTERS AROUND PAD.
- ANCHOR BOLTS SHALL BE SIZED AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- 3" MINIMUM COVER FOR ALL REBAR
- THE TAIL IN THE VERTICAL BARS SHALL BE LOCATED IN THE MIDDLE OF THE SLAB ON GRADE.
- REBAR SHALL BE TIED TOGETHER AT ALL CROSSINGS.

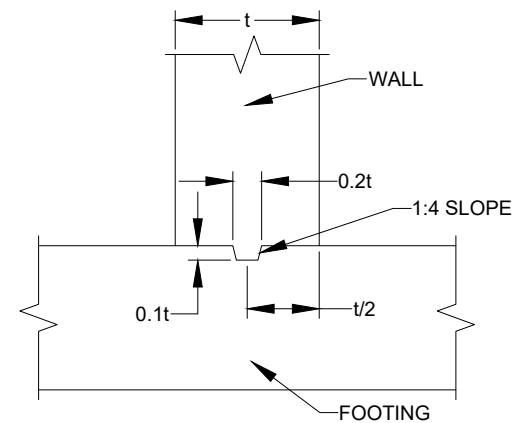


PLAN VIEW

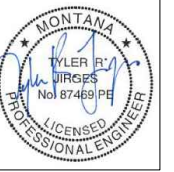
Wall Construction Joint Spacing (2)
NO SCALE

NOTES:

- COORDINATE CONSTRUCTION JOINT LOCATIONS AND TIME BETWEEN CONCRETE POURS WITH PLANS AND PROJECT SPECIFICATIONS.
- LOCATE WALL CONSTRUCTION JOINTS AS SHOWN, UNLESS INDICATED OTHERWISE.



Wall/Footing Keyway Joint Detail (4)
NO SCALE



Revision	Date	By
30% Draft	8/1/24	AE
60% Draft	11/18/24	AE
90% Draft	1/31/25	AE
Final	2/14/25	AE
Add. #8	3/27/25	PWM

Revision	Final
Plot Scale	1:2
Drawn By	A. Eckhart, P.E.
Drawn By	E. Swanson
Approved By	Matt Miller, P.E.
Checked By	Tyler Jirges, P.E.
Designed By	Tyler Jirges, P.E.

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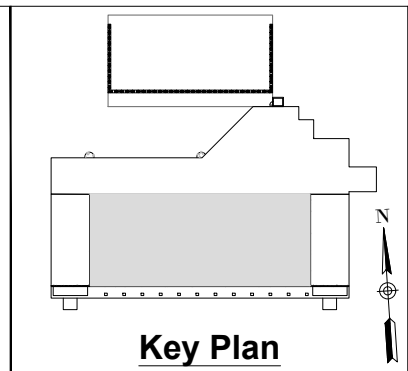
Garden City
Compost
Facility
Improvements

Structural
Details

S-5

NOTES:

1. SEE MECHANICAL SHEETS FOR PIPING LAYOUT.
2. AT COMPOST BAY SLABS:
 - CONSTRUCTION JOINTS SHALL BE SPACED NO GREATER THAN 60 FEET APART. POURS SHALL BE PLACED IN A CHECKERBOARD PATTERN, AND A MINIMUM OF 14 DAYS SHALL BE PROVIDED BETWEEN ADJACENT POURS SHARING A CONSTRUCTION JOINT.
 - SPACING OF EAST-WEST CONTROL JOINTS IS SUCH THAT JOINTS ARE CENTERED ON IN-FLOOR GRATES AT THE TOPS OF RISERS.
 - SPACING OF NORTH-SOUTH CONTROL JOINTS IS SUCH THAT JOINTS ARE CENTERED EQUALLY BETWEEN PIPING LATERALS.
 - COORDINATE WITH MECHANICAL DRAWINGS AND FIELD INSTALLATION OF PIPING TO ENSURE CORRECT LOCATION OF JOINTS.
3. AT EQUIPMENT SLAB, CONTROL JOINTS MAY BE EITHER TOOLED OR SAWCUT.



Revision	Date	By
30% Draft	8/1/24	AE
60% Draft	11/18/24	AE
90% Draft	1/31/25	AE
Final	2/14/25	AE
Add. #3	3/11/25	AE
Add. #5	3/14/25	AE
Add. #8	3/26/25	AE

Revision		
Addendum #8		
Plot Scale	1:2	
Drawn By	A. Eckhart, P.E.	
Drawn By	E. Swanson	
Approved By	Matt Miller, P.E.	
Checked By	Tyler Jirges, P.E.	
Designed By	Tyler Jirges, P.E.	

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Owner

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Project Title

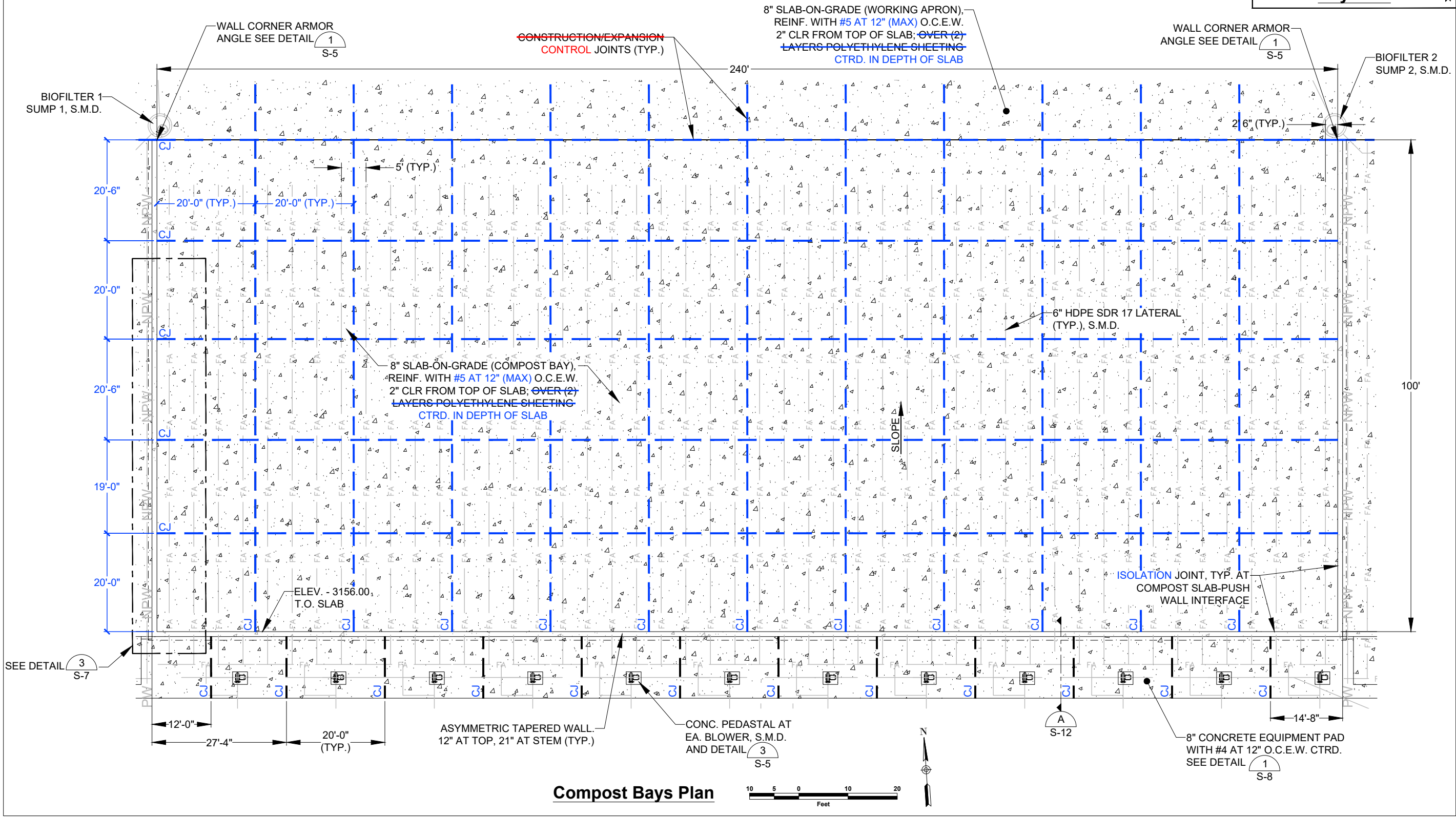
Garden City Compost Facility Improvements

Sheet Title

Compost Bays

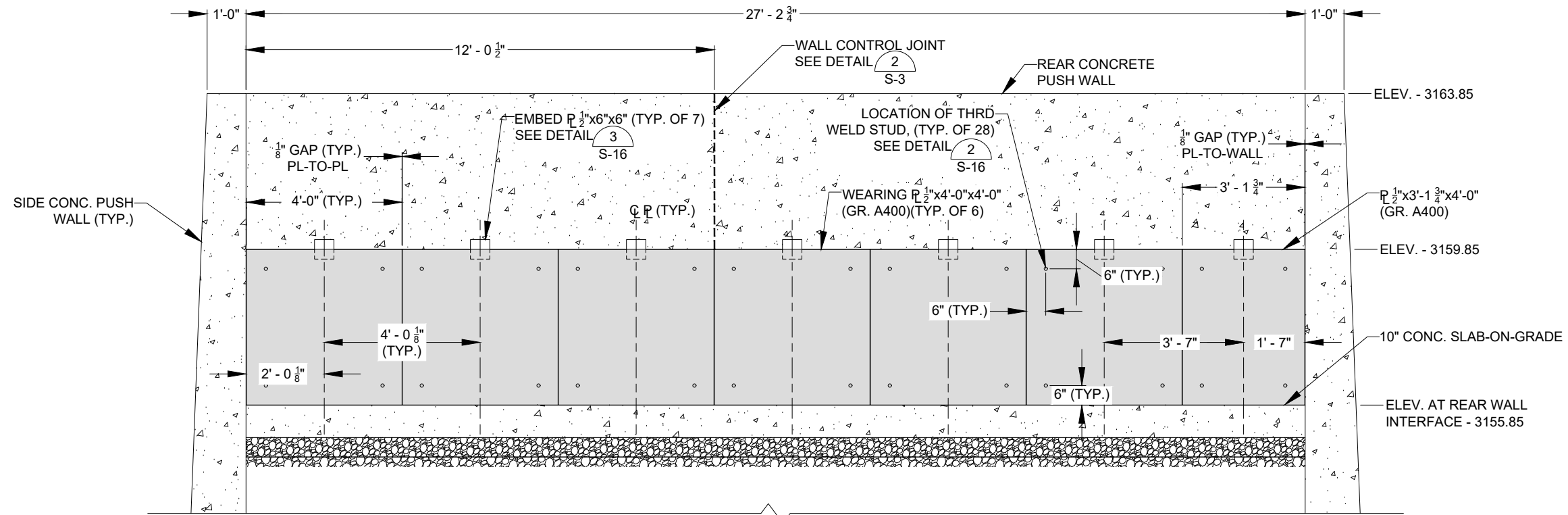
Sheet

S-10

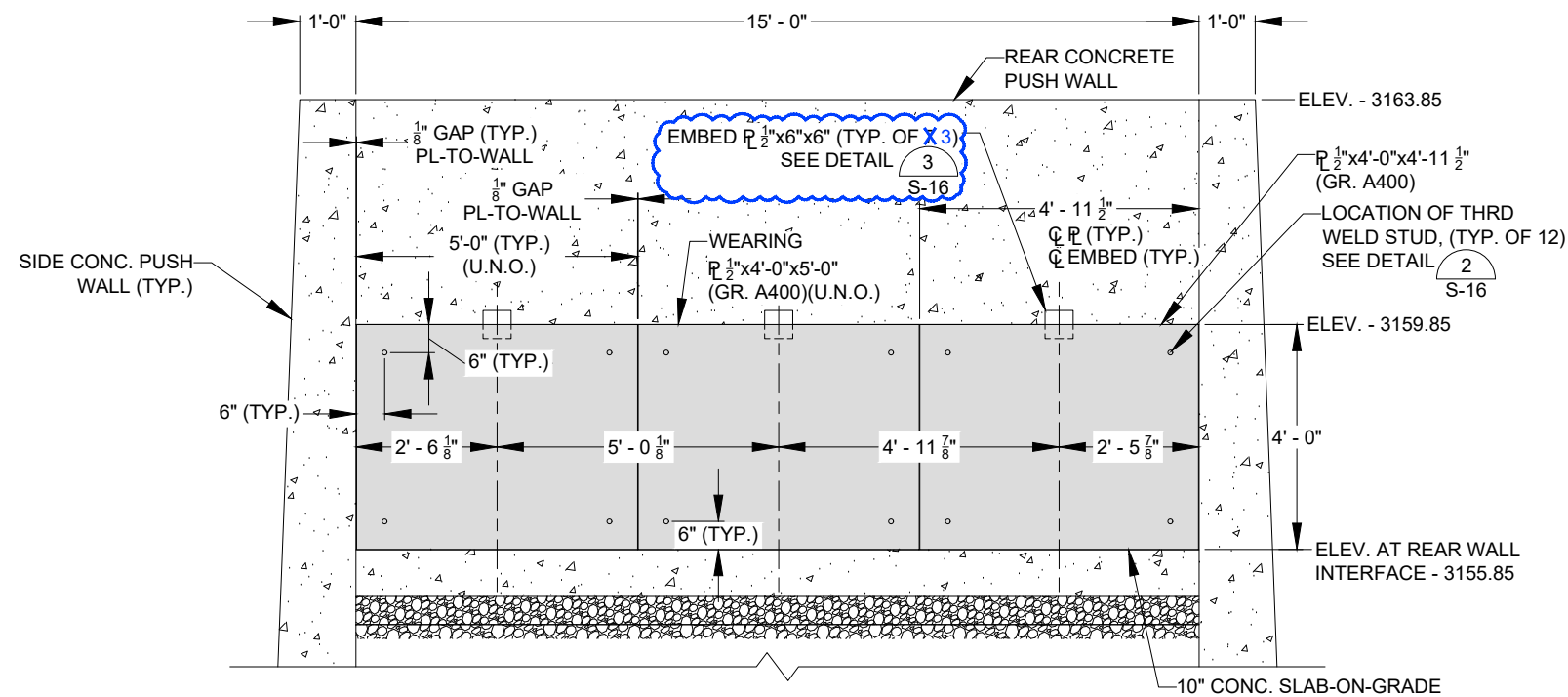


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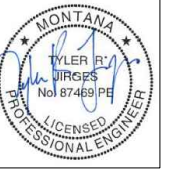
X:\MISSOULA_COMPOST\DESIGN\DRAWINGS\Sheets\8 - Structural\S-15 Biosolids & Pre-Compost Mixing Bin Wall Elevations.dwg SAVED: 3/27/25 PRINTED: 3/27/25 BY: ADAM



Biosolids Bin Rear Push Wall Elevation $\frac{1}{S-15}$
NO SCALE



Pre-Compost Containment Bin Rear Push Wall Elevation $\frac{2}{S-15}$
NO SCALE



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Sheet Title

**Biosolids
&
Pre-Compost
Mixing Bin
Wall
Elevations**

Sheet

S-15