

ADDENDUM NO. 5

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 18, 2025

Bid Opening Date: As Amended: April 2, 2025

The following corrections, clarifications, and/or alterations to the project documents 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 41 00 – BID FORM (Page 3)

Page 3 of the Bid Form shall be replaced by page 3 of the Bid Form attached as Exhibit A to this Addendum. The revised bid form acknowledges the addition of Bid Item 109 and the increase in Bid Item 110 quantity of hp·days from 1,000 to 3,500. Note that the vBid form posted on QuestCDN has also been amended to conform with the revised bid form page 3 in Exhibit A.

2. Section 01 27 00 – MEASUREMENT & PAYMENT

Part 3.01.EE is being added to 01 27 00 - Measurement & Payment section. The new Part shall read as follows:

3.01.EE Bid Item 109: Dewatering System Setup

- 1. Description: This item consists of furnishing and installing an adequately-sized construction dewatering system for the overall project;***
- 2. Work required shall include: the provision of all necessary pumping equipment; piping; fittings; connections; power supply and feeds; sump excavation; controls; discharge provisions; dismantling & removal, restoration/repair of existing 10" irrigation pipe; labor, tools, equipment and incidental necessary to complete the work as specified.***
- 3. Unit of Measurement: Lump Sum***
- 4. Measurement: Measurement shall be per Lump Sum as indicated in the Bid Form.***
- 5. Payment: Payment shall be made at the contract unit price bid per Lump Sum as specified in the Bid Form.***

Part 3.01.F is being revised as follows:

3.01 F. Bid Item 110: De-Watering

1. Description: This item consists of ~~any necessary dewatering of the excavation~~ **startup, ongoing operation & maintenance and shutdown of the dewatering system from Part 3.01.EE** necessary to provide a stable working surface and to provide adequate resistive force to achieve required subgrade and imported material compaction.
2. Work required shall include: the provision of all necessary ~~pumping equipment; power supply and feeds; sump excavation;~~ fuel; operation/maintenance; labor, tools, equipment and incidental necessary to complete the work as specified.
3. Unit of Measurement: Horsepower • days
4. Measurement: Measurement shall be per pump horsepower for each day of **active** dewatering as indicated in the Bid Form.
5. Payment: Payment shall be made at the contract unit price bid per HP•day as specified in the Bid Form.

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

Modify Part 2.07.C as follows:

- C. Class C: Normal-weight concrete used for slabs-on-grade (Biofilter Bays 1 & 2, Biosolids Push Bin, Pre-Compost Mixing Bin, **Compost and Working Apron**).

Eliminate Part 2.07.D:

- ~~D. Class D: Type K Shrinkage Compensating concrete used for slabs-on-grade (Compost Bay and Working Apron).~~
 - ~~1. See Project Specifications Division 03 31 19 “Shrinkage Compensating Concrete”~~

4. Section 03 31 19 – SHRINKAGE-COMPENSATING CONCRETE

Eliminate Section 03 31 19 in its entirety.

5. Section 33 11 36 – IRRIGATION SYSTEM – WELL, PUMP, PIPING & CONTROLS

Modify Part 2.02.A. as follows:

The CONTRACTOR shall furnish and install a new submersible well pump and motor, new drop pipe, power cable, air test line and torque arrestor (if necessary) in the new well. The pump shall have a 2-inch brass check valve installed above the pump (or a built-in check valve), and a 2-inch brass check valve installed in the drop pipe at every 40 feet-interval above the pump. The pump and motor shall each be designed to pump 33 gpm at 130 feet total dynamic head assuming an approximate pumping water level of 20 feet below the ground surface. The pump motor should be at least 2 hp, 3Ø, ~~460V~~ **230V**, 60 Hz in a 4" diameter chassis. Acceptable pump/motor assemblies are: Goulds Model 25GS-20; Red Lion RS22 or approved equal. The pump and motor combinations shall be selected to provide the optimum wire-to-water efficiency, and shall be approved by the ENGINEER

DRAWINGS: (changes to the drawings are in blue font)

- Sheet S-4, Detail 2; revise Base Slab Construction/Expansion Joint
- Sheet S-6, Detail 4; eliminate 2-layers polyethylene sheeting;
- Sheet S-7, Detail 3; revise rebar placement in compost slab;
- Sheet S-9; revise rebar spacing, joint spacing and Note 1;
- Sheet S-10; revise rebar spacing and joint spacing;
- Sheet S-11; revise joint spacing;
- Sheet S-12, Detail 1; eliminate 2-layers polyethylene sheeting;
- Sheet S-16, Detail 4; eliminate 2-layers polyethylene sheeting

CLARIFICATIONS/INFORMATION:

1. The Missoula Apprenticeship Program Preference Application has been placed in the "Attach & Certify" section of the required bid form. Bidders that want to participate in the Apprenticeship Program Preference can complete the application form and submit with their bid. If the Bidder does not wish to participate, submit the application form indicating "Not Applicable".
2. To define the dewatering scope more precisely, the bid form has been amended to add a "Dewatering System Setup" bid item (#109) and the quantity of hp•days in bid item #110 has been increased to 3,500 hp•days. The dewatering option presented to Bidders involves discharging construction dewatering effluent to the hybrid poplar farm located west of the compost property. This option would not require the Contractor to acquire authorization for discharge under MPDES General Permit MTG070000, as land application is exempt. Please see the schematic included as Exhibit C showing the land application option. Under this option, the Contractor would:
 - a. provide approximately 700 LF of 8" temporary piping from the project site southward to the existing 10" HDPE irrigation supply line;
 - b. make connection to the existing 10" HDPE irrigation pipe at the point circled in red;
 - c. make connection to the same irrigation pipe at the point circled in green;
 - d. provide up to 300 LF of 8" temporary piping and manifold with 4" perforated piping out into the poplar farm;
 - e. dismantle and remove the dewatering system and restore the irrigation pipe to its original operation condition.

This is being presented to bidders as an option to consider. It does not restrict the Contractor from pursuing other alternatives for disposing of construction dewatering effluent.

ATTACHMENTS:

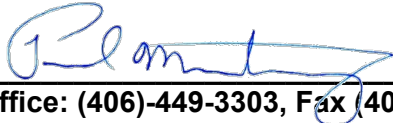
Attached for the bidder's information are the following:

- Exhibit A: Revised Page 3 of Bid Form;
- Exhibit B: Sheets S-4; S-6; S-7; S-9; S-10; S-11; S-12 & S-16
- Exhibit C: Construction Dewatering Discharge Schematic – Land Application to Poplar Farm Option

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

Paul@a-mce.com

END OF ADDENDUM NO. 5

EXHIBIT A

**Section 00 41 00
BID FORM**

Revised Page 3

- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 1. “corrupt practice” means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process;
 2. “fraudulent practice” means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
 3. “collusive practice” means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
 4. “coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

ARTICLE 5 – BASIS OF BID

5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

BID FORM - Garden City Compost Facility Improvements					
BASE BID - Schedule 1					
ITEM #	BID ITEM DESCRIPTION	UNITS	QUAN.	UNIT PRICE	LINE ITEM TOTAL
100	Mobilization/Bonding/Insurance	LS	1	max 12% of bid	\$0.00
102	Miscellaneous Work	\$	100,000	\$1.00	\$100,000.00
104	Exploratory Excavation	Hr	120	\$0.00	\$0.00
106	Excavate Unsuitable Material - Compost Facility	CY	15,000	\$0.00	\$0.00
108	Import Engineered Fill (MPW 4" Minus) - Compost Facility	CY	22,300	\$0.00	\$0.00
109	<i>Dewatering System Setup</i>	<i>LS</i>	<i>1</i>	<i>\$0.00</i>	<i>\$0.00</i>
110	Dewatering	HP•day	3,500	\$0.00	\$0.00
112	Compost Facility - Demolition & Civil	LS	1	\$0.00	\$0.00
114	Compost Facility - Mechanical & HVAC	LS	1	\$0.00	\$0.00
116	Compost Facility - Electrical & Controls	LS	1	\$0.00	\$0.00
118	Deduct for 1,440 Owner-Furnished Aeration Grates	LS	1	-\$0.00	-\$0.00
120	Deduct for Owner-Furnished Import Engineered Fill (MPW 4" Minus)	CY	3,300	-\$0.00	-\$0.00
Total Base Bid Price including Deduct (in figures):				\$100,000.00	
Total Bid Price including Deduct (in words):				_____ dollars	

EXHIBIT B

Revised Plan Sheets

S-4

S-6

S-7

S-9

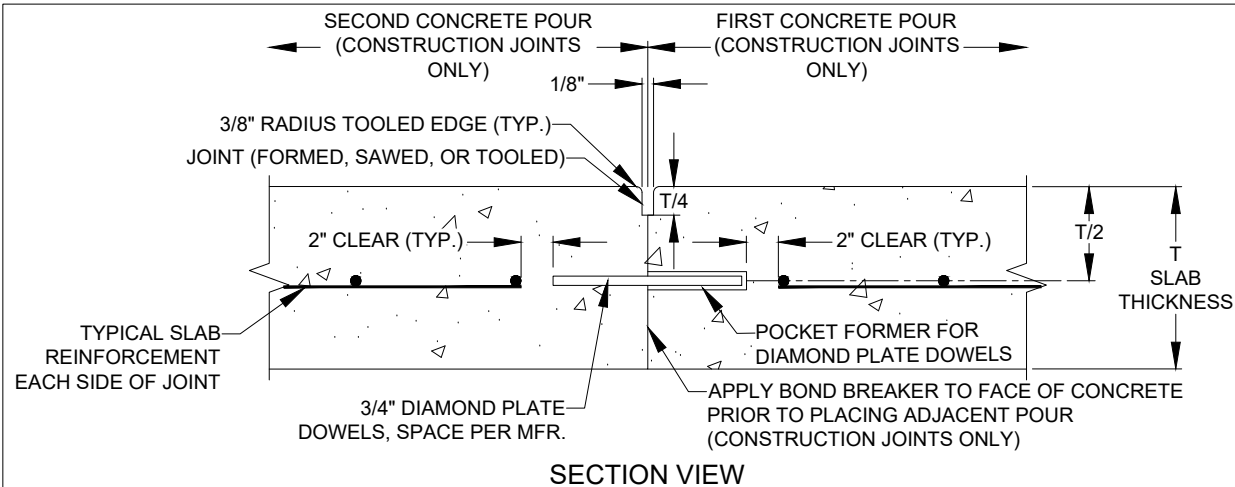
S-10

S-11

S-12

S-16

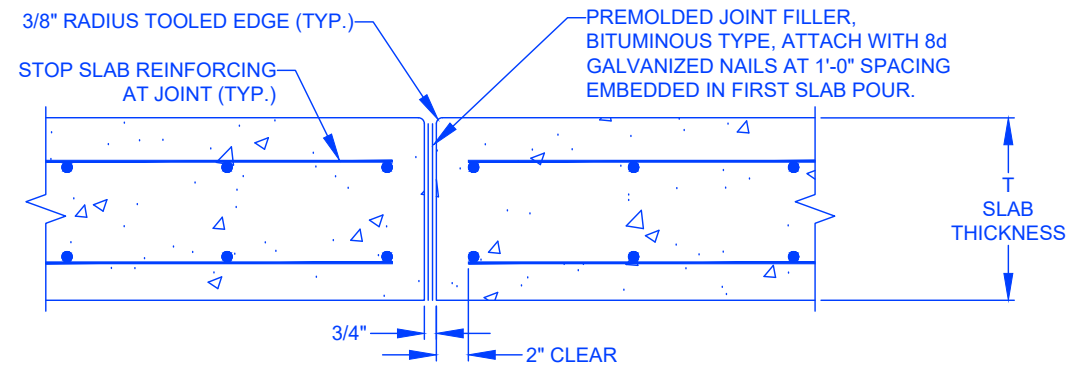
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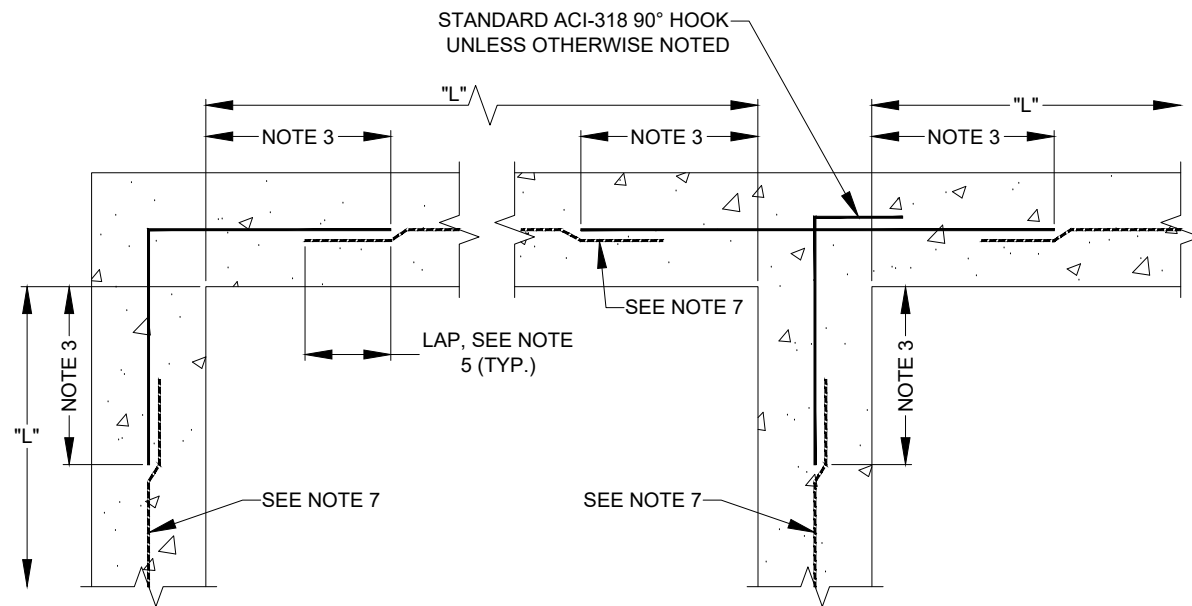
Slab Control/Contraction Joint 1
NO SCALE

NOTES:

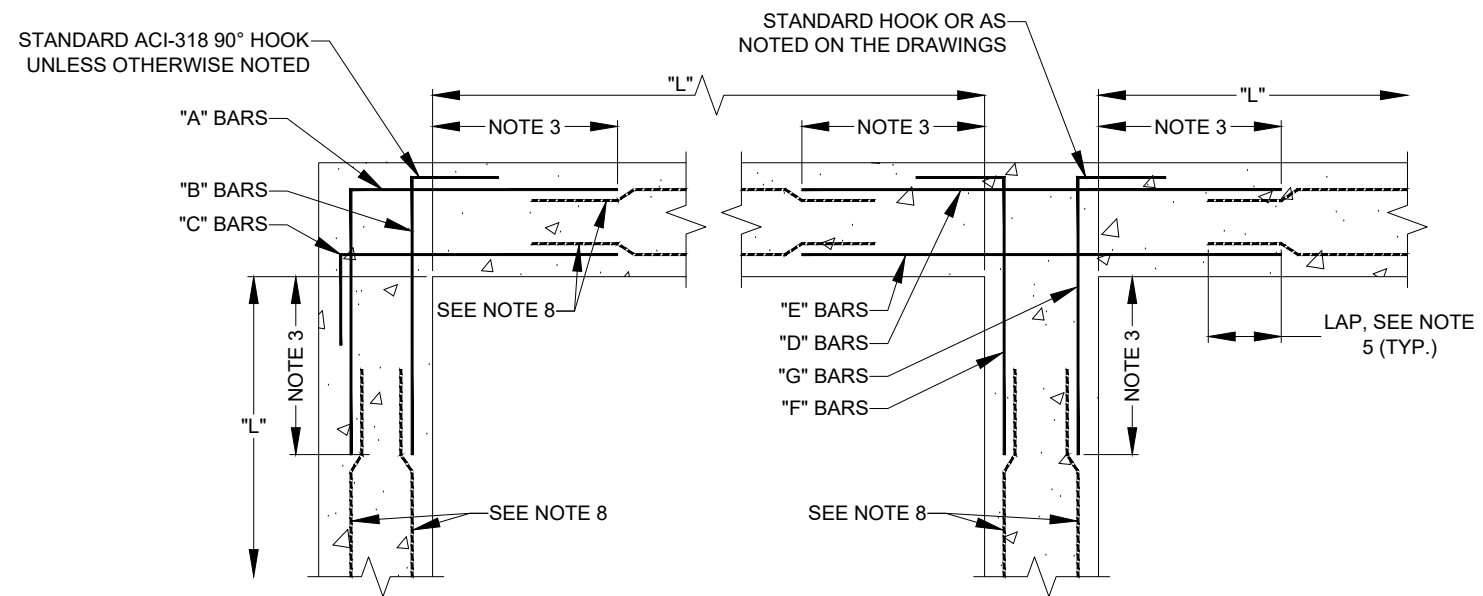
1. AT CONTRACTOR'S OPTION, CONTROL JOINTS MAY BE FORMED OR SAWED. JOINTS MUST BE SAWN BETWEEN 12 AND 24 HOURS AFTER CONCRETE HAS BEEN PLACED.
2. DESIGN OF DIAMOND PLATE DOWEL SPACING TO BE SUBMITTED TO EOR FOR REVIEW.
3. AT CONTRACTOR'S OPTION, DIAMOND PLATE DOWELS MAY BE SUBSTITUED WITH 3/4"x10" SMOOTH DOWELS SPACED AT 12" O.C., CENTERED IN DEPTH OF SLAB. HALF DOWEL ON EITHER SIDE OF JOINT SHALL BE COATED WITH LIQUID ASPHALT MC-250, ROAD TAR RT-6, OR APPROVED EQUAL TO REDUCE BOND WITH CONCRETE ON ONE SIDE OF JOINT.



Base Slab Construction/Expansion Joint 2
NO SCALE



SINGLE REINFORCING MAT

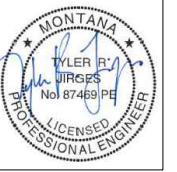


DOUBLE REINFORCING MAT

Typical Wall Corner and Intersection Reinforcing 3
NO SCALE

NOTES:

1. TYPICAL HORIZONTAL WALL CORNER AND INTERSECTION REINFORCING LAYOUT IS SHOWN TO AVOID CONGESTION AND PERMIT PROPER PLACEMENT, FOR SIZE AND SPACING SEE PLANS. ALL HORIZONTAL REINFORCING AT CORNERS AND INTERSECTIONS SHALL BE FABRICATED AND INSTALLED WITH SPLICES LOCATED WHERE SHOWN REGARDLESS OF BAR SIZE AND SPACING.
2. WHERE THE CORNER OR INTERSECTION REINFORCING SIZE AND SPACING IS NOT SHOWN, NOTED OR TABULATED ON THE PLANS, THE SIZE AND SPACING SHALL BE THE SAME AS THE WALL HORIZONTAL REINFORCING SHOWN ON THE WALL SECTIONS OR AS NOTED FOR THE REINFORCING BETWEEN THE CORNERS OR INTERSECTIONS.
3. EXCEPT WHERE OTHERWISE SHOWN ON THE DRAWINGS, THE LENGTH INDICATED AS "NOTE 3" SHALL BE THE LESSER OF L/4, 10 FEET, OR 1.0 TIMES THE HEIGHT OF THE WALL, EXCEPT THAT IN NO CASE SHALL IT BE LESS THAN 2 FEET.
4. L = LENGTH OF WALL PARALLEL TO THE BAR LENGTH IN QUESTION.
5. EXCEPT WHERE OTHERWISE SHOWN ON THE DRAWINGS, THE LENGTH INDICATED AS "NOTE 5" SHALL BE EQUAL TO ONE "LAP LENGTH" AS REQUIRED BY THE GENERAL STRUCTURAL NOTES. USE THE LAP LENGTH AS REQUIRED FOR THE SMALLER OF THE TWO REINFORCING BARS BEING SPLICED.
6. UNLESS OTHERWISE NOTED, "B" AND "C" BARS ARE THE SAME SIZE AND SPACING AND, "F" AND "G" BARS ARE THE SAME SIZE AND SPACING.
7. HORIZONTAL WALL REINFORCING BETWEEN CORNERS AND INTERSECTIONS AS SHOWN ON WALL SECTIONS, LAP WITH CORNER AND INTERSECTION REINFORCING.
8. TYPICAL HORIZONTAL WALL REINFORCING AS SHOWN ON DRAWINGS, LAP WITH CORNER AND INTERSECTION REINFORCING.



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. #5	3/14/25	AE

Revision	Addendum #5
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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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RPA

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Bozeman, MT 59718
Phone (406) 284-2110

Owner

City Of
Missoula

Project Title

Garden City
Compost
Facility
Improvements

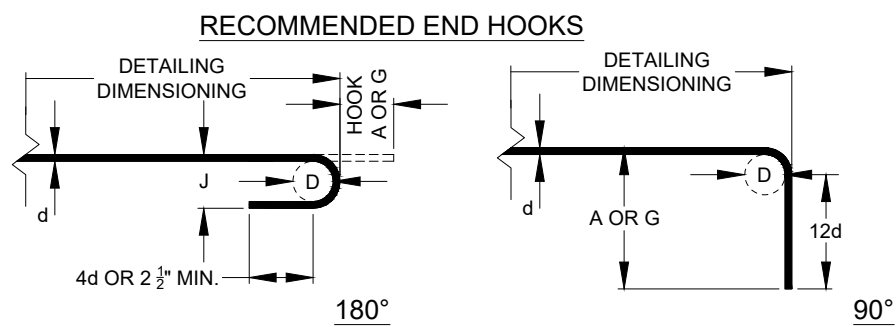
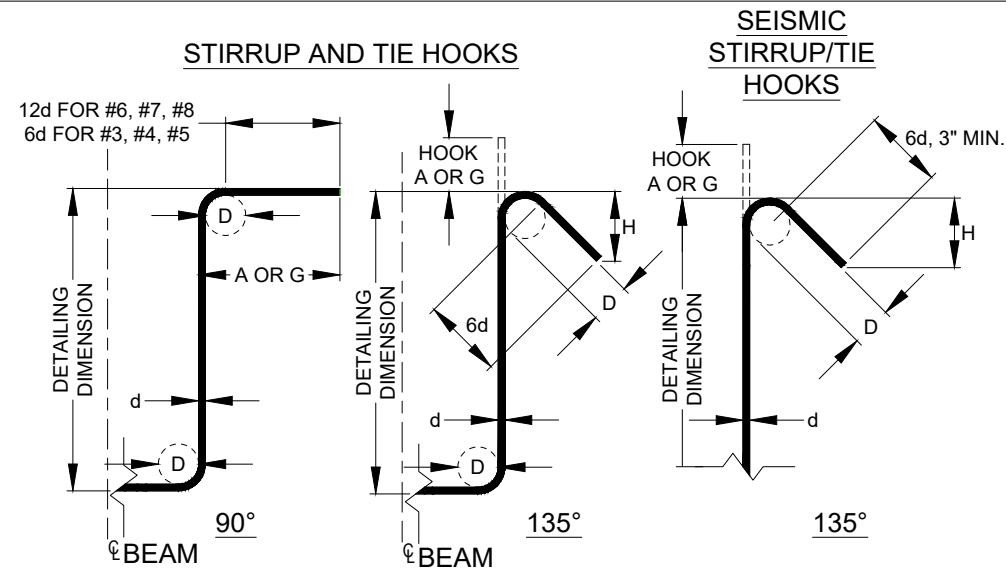
Sheet Title

**Structural
Details**

Sheet

S-4

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- NOTES:
- 'D' = BAR BEND DIAMETER
 - 'd' = REINF. BAR DIAMETER

STIRRUP (TIES SIMILAR) STIRRUP AND TIE HOOK DIMENSIONS				
BAR SIZE No.	D, * in.	90° HOOK		135° HOOK
		HOOK A OR G, ft-in.	HOOK A OR G, ft-in.	H APPROX., ft-in.
#3	1 1/2	4	4	2 1/2
#4	2	4 1/2	4 1/2	3
#5	2 1/2	6	5 1/2	3 3/4
#6	4 1/2	1-0	8	4 1/2
#7	5 1/4	1-2	9	5 1/4
#8	6	1-4	10 1/2	6

135° SEISMIC STIRRUP/TIE HOOK DIMENSIONS			
BAR SIZE No.	D, * in.	135° HOOK	
		HOOK A OR G, ft-in.	H APPROX., ft-in.
#3	1 1/2	4 1/4	3
#4	2	4 1/2	3
#5	2 1/2	5 1/2	3 3/4
#6	4 1/2	8	4 1/2
#7	5 1/4	9	5 1/4
#8	6	10 1/2	6

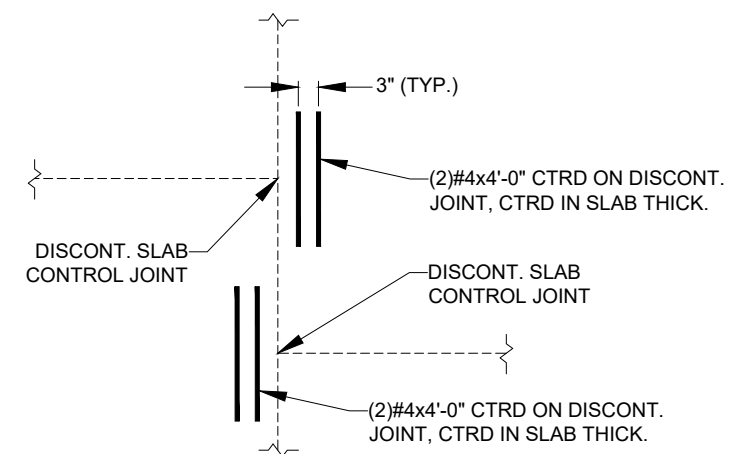
RECOMMENDED END HOOKS (D= FINISHED BEND DIAMETERS)				
BAR SIZE No.	D, * in.	135° HOOK		90° HOOK
		A OR G, ft-in.	J, ft-in.	A OR G, ft-in.
#3	2 1/4	5	3	6
#4	3	6	4	8
#5	3 3/4	7	5	10
#6	4 1/2	8	6	1-0
#7	5 1/4	10	7	1-2
#8	6	11	8	1-4
#9	9 1/2	1-3	11 3/4	1-7
#10	10 3/4	1-5	1-1 1/4	1-10
#11	12	1-7	1-2 3/4	2-0
#14	18 1/4	2-3	1-9 3/4	2-7
#18	24	3-0	2-4 1/2	3-5

Standard Rebar Hooks 1
NO SCALE S-6

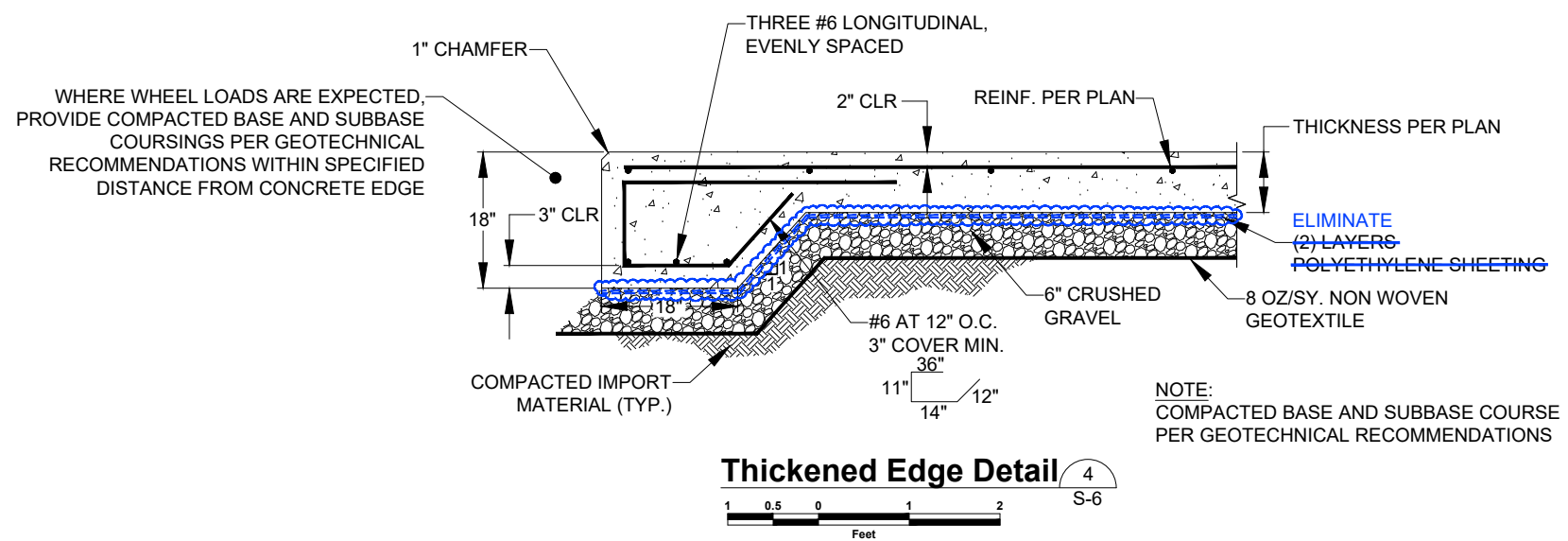
CONCRETE REINFORCING BAR DEVELOPMENT & LAP SPLICE LENGTH SCHEDULE																				
BAR SIZE "db" (GRADE 60)	f _c = 3500 PSI				f _c = 4000 PSI				f _c = 4500 PSI				f _c = 5000 PSI							
	L _d	L _t	L _{sb}	L _{sbt}	L _{dh}	L _d	L _t	L _{sb}	L _{sbt}	L _{dh}	L _d	L _t	L _{sb}	L _{sbt}	L _{dh}	L _d	L _t	L _{sb}	L _{sbt}	L _{dh}
#4	22"	29"	29"	38"	8"	19"	25"	25"	33"	7"	18"	24"	24"	31"	7"	17"	23"	23"	30"	6"
#5	28"	36"	36"	47"	10"	24"	31"	31"	41"	9"	23"	30"	30"	38"	8"	22"	28"	28"	37"	8"
#6	33"	43"	43"	56"	12"	29"	37"	37"	49"	10"	27"	35"	35"	46"	10"	26"	34"	34"	45"	9"
#7	48"	63"	63"	81"	14"	42"	54"	54"	71"	12"	40"	51"	51"	67"	11"	38"	49"	49"	64"	11"
#8	51"	67"	67"	86"	15"	48"	62"	62"	81"	14"	45"	59"	59"	77"	13"	43"	56"	56"	73"	12"
#9	58"	76"	76"	98"	16"	54"	70"	70"	91"	15"	51"	66"	66"	86"	15"	48"	63"	63"	82"	14"

- NOTES:
- ALL TABULATED VALUES REQUIRE CLEAR SPACING BETWEEN BARS $\geq 2 \cdot db$ & CLEAR COVER $\geq db$ (IF THESE CONDITIONS ARE NOT SATISFIED, MULTIPLY TABULATED VALUES BY 1.5)
 - L_d = TENSION DEVELOPMENT LENGTH
 - L_t = DEVELOPMENT LENGTH FOR "TOP" BARS IN TENSION.
 - L_{sb} = TENSION LAP SPLICE LENGTH FOR BARS OTHER THAN "TOP" BARS ("CLASS B")
 - L_{sbt} = TENSION LAP SPLICE LENGTH OF "TOP" BARS.
 - L_{dh} = TENSION HOOK DEVELOPMENT LENGTH (SIDE COVER $\geq 2 \frac{1}{2}$ ", END COVER ≥ 2 ").
 - "TOP" BARS = REINFORCEMENT WITH > 12" OF FRESH CONCRETE CAST BELOW.

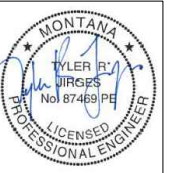
Reinforcing Bar Development Schedule 2
NO SCALE S-6



Supplemental Reinf. At Discontinuous Control Joints 3
NO SCALE S-6



Thickened Edge Detail 4
NO SCALE S-6



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. #5	3/14/25	AE

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Drawn By	E. Swanson
Approved By	Matt Miller, P.E.
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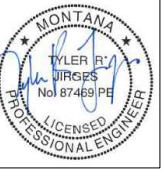
602 S. Ferguson Ave. STE 5
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City Of Missoula

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Garden City Compost Facility Improvements

Sheet Title
Structural Details

Sheet
S-6



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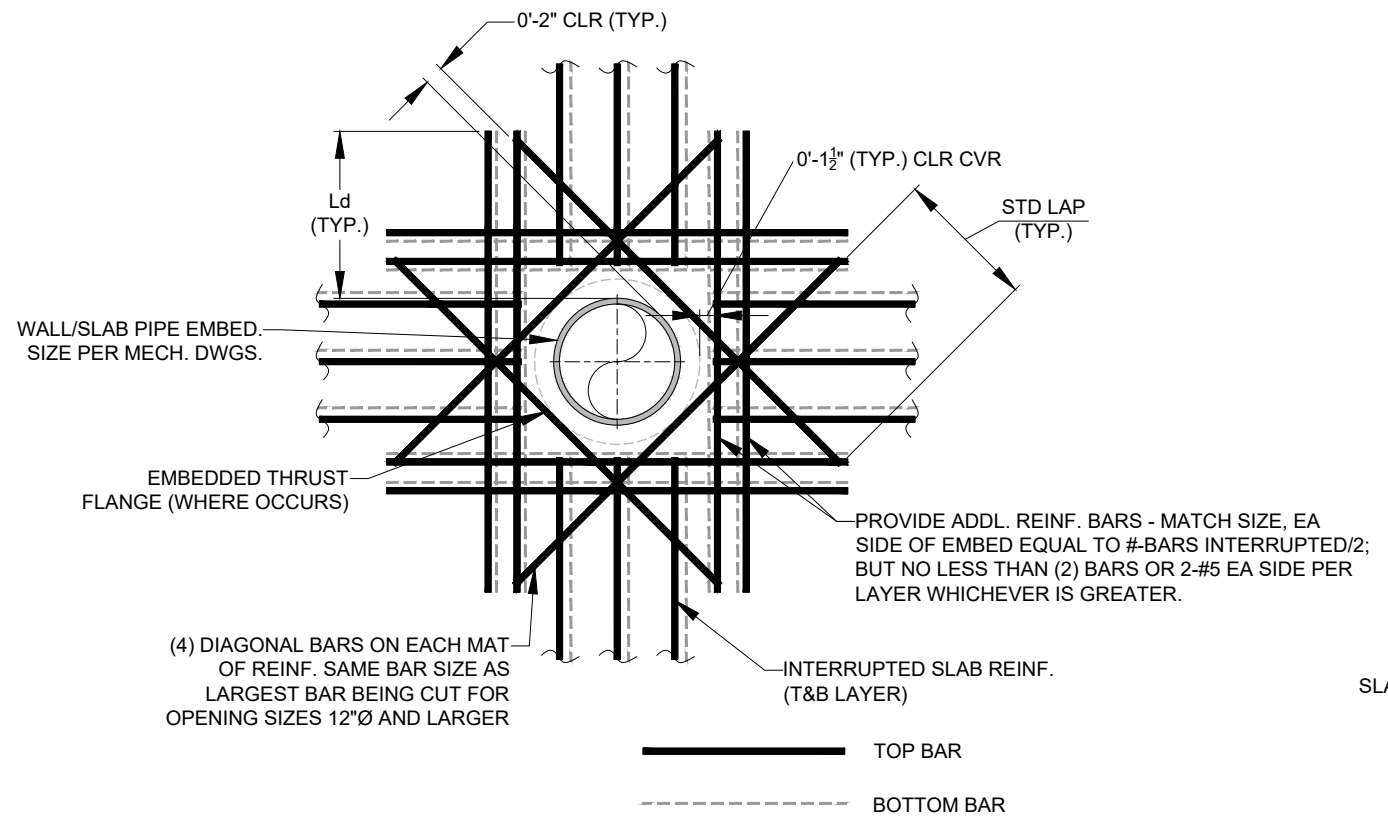
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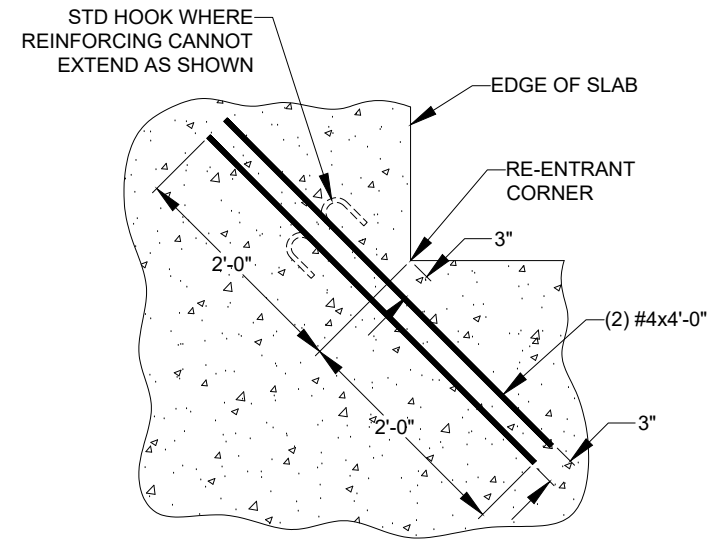
Project Title
Garden City Compost Facility Improvements

Sheet Title
Structural Details

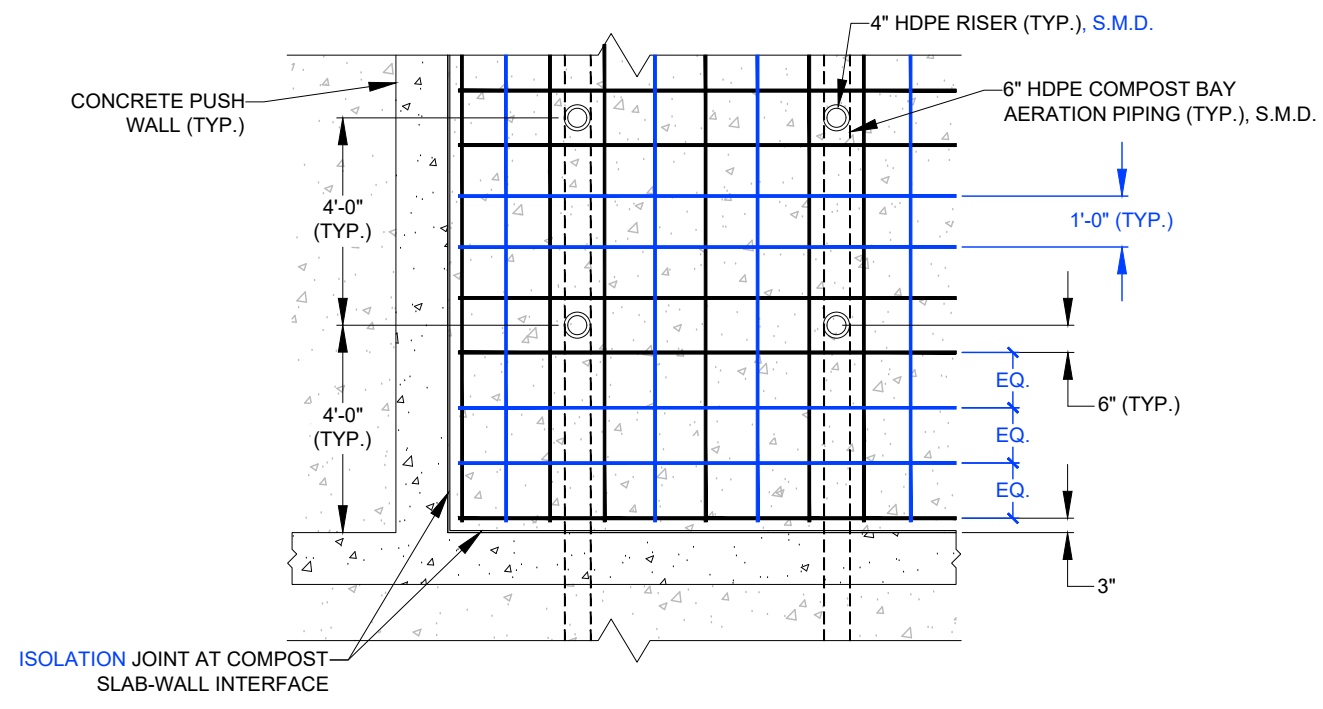
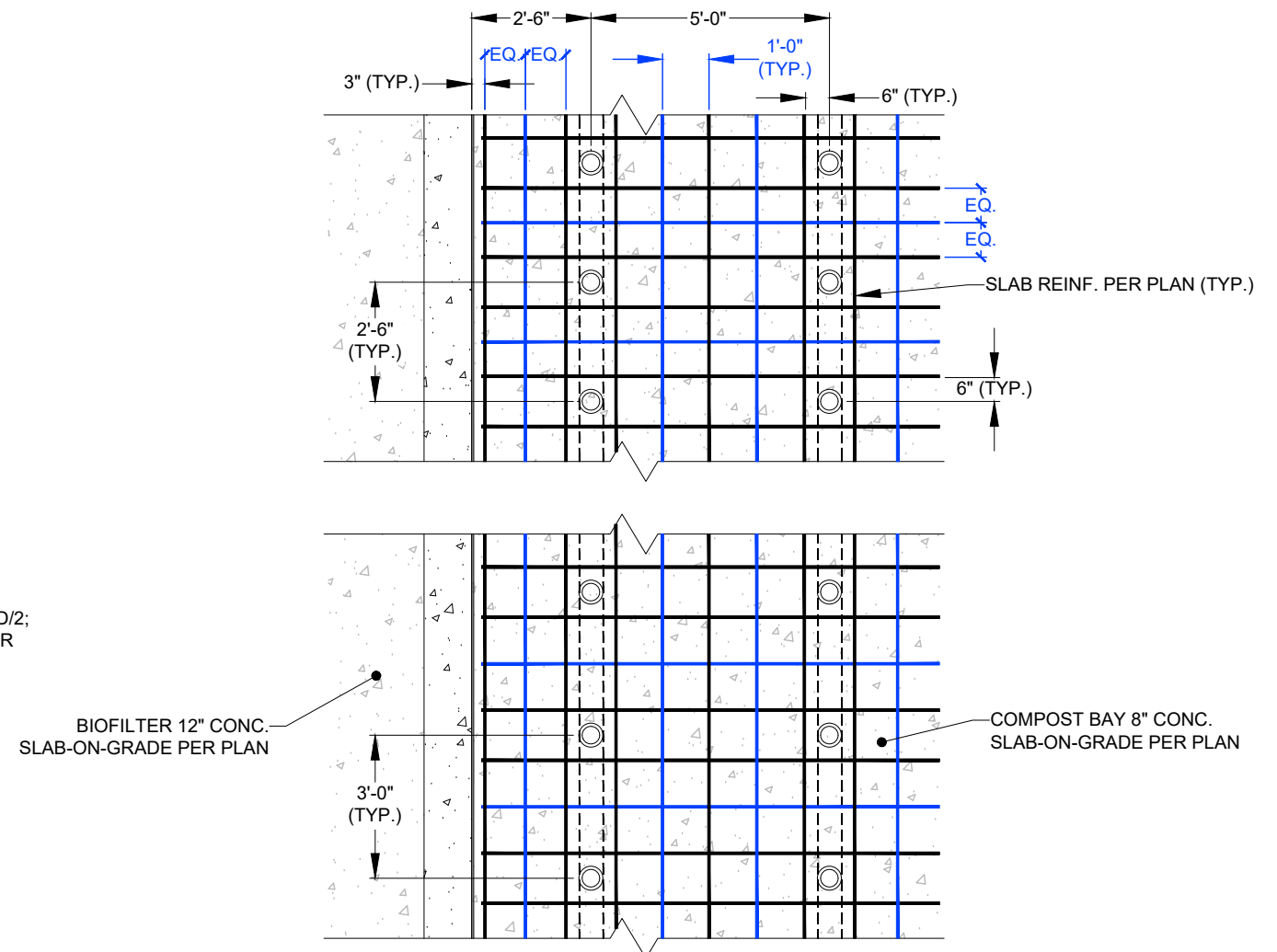
Sheet
S-7



Standard Wall Pipe Embed In Slab/Wall 1
 NO SCALE



Re-entrant Corner Slab Reinforcement 2
 NO SCALE

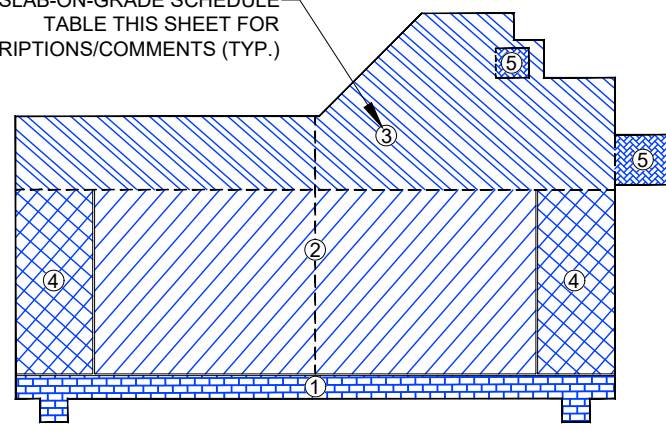


Compost Bay Partial Slab Plan 3
 NO SCALE

X:\MISSOULA_COMPOST\DESIGN\DRAWINGS\Sheets\8 - Structural\S-7 Structural Details.dwg_SAVED:3/17/25 PRINTED:3/17/25 BY: ADAM

X:\MISSOULA_COMPOST\DESIGN\DRAWINGS\Sheets\8 - Structural\Overall Slab On Grade Plan.dwg SAVEd: 3/17/25 PRINTED: 3/17/25 BY: ADAM

SEE SLAB-ON-GRADE SCHEDULE TABLE THIS SHEET FOR DESCRIPTIONS/COMMENTS (TYP.)



Overall Slab On Grade Partial Plan

SLAB-ON-GRADE SCHEDULE		
MARK	DESCRIPTION	COMMENTS
1	8" EQUIPMENT SLAB	CLASS C MIX
2	8" COMPOST BAY SLAB	CLASS C MIX
3	8" WORKING APRON SLAB	CLASS C MIX
4	12" BIOFILTER BAY SLABS	CLASS C MIX
5	10" BIOSOLIDS/PRE-COMPOST BIN SLABS	CLASS C MIX



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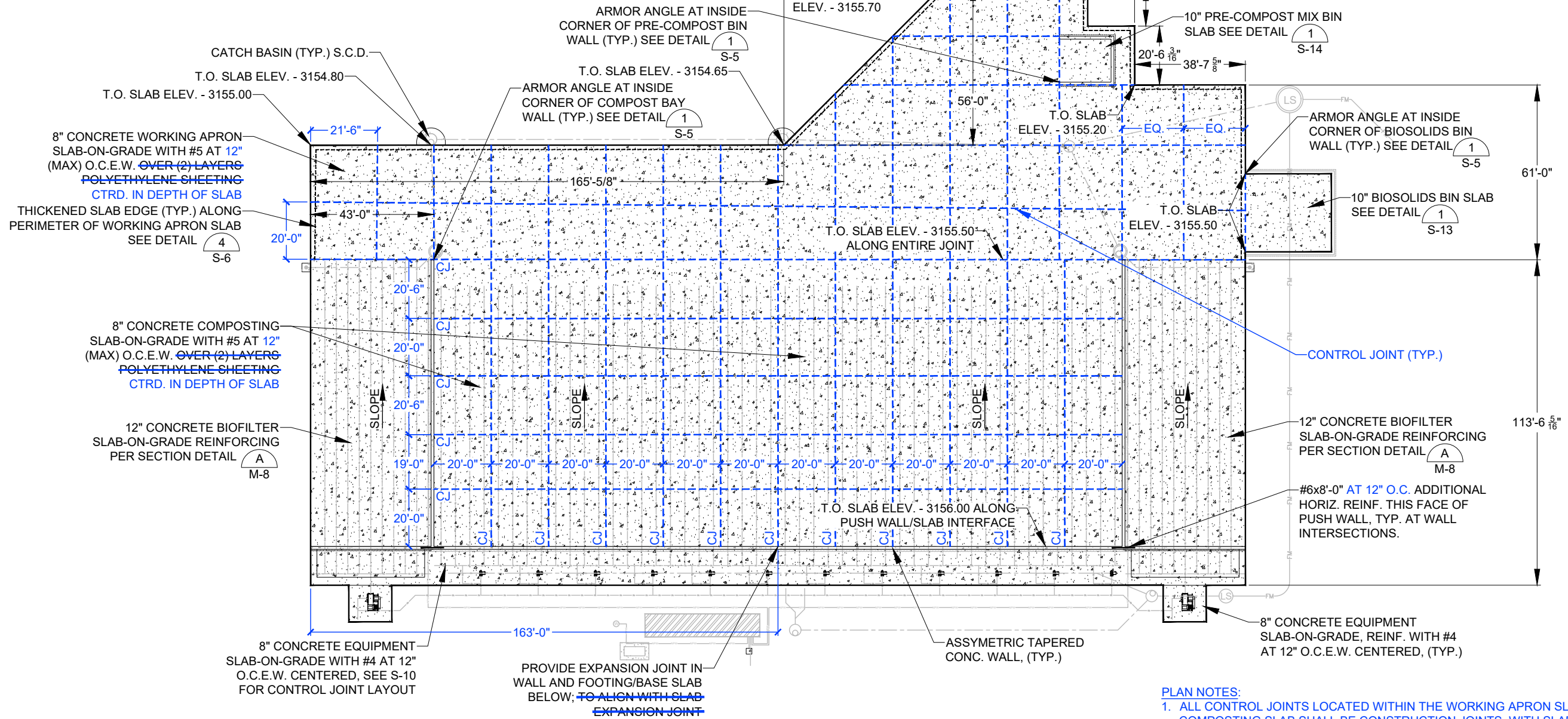
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Project Title
 Garden City Compost Facility Improvements

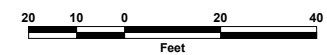
Sheet Title
 Overall Slab On Grade Plan

Sheet
S-9

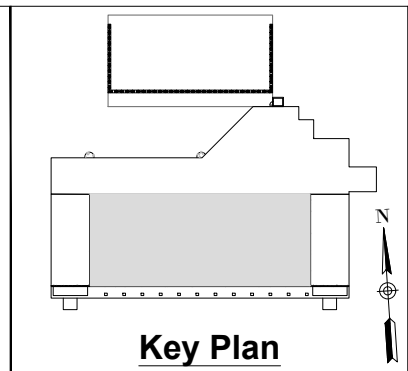


- PLAN NOTES:**
1. ALL CONTROL JOINTS LOCATED WITHIN THE WORKING APRON SLAB AND COMPOSTING SLAB SHALL BE CONSTRUCTION JOINTS, WITH SLABS POURED IN A CHECKERBOARD PATTERN. SEE PROJECT SPECIFICATIONS FOR MINIMUM TIME REQUIRED BETWEEN CONCRETE POURS.
 2. ALL CONTROL JOINTS LOCATED WITHIN BIOFILTER SLABS SHALL BE HAND-FORMED AND SPACED PER SHEET S-11.
 3. CONTROL JOINTS LOCATED WITHIN THE EQUIPMENT SLAB ARE ALLOWED TO BE EITHER TOOLED OR SAWCUT, SEE SHEET S-10 FOR JOINT SPACING.
 4. GENERAL CONTRACTOR SHALL SUBMIT A POUR SEQUENCE PLACEMENT PLAN TO EOR FOR REVIEW PRIOR TO COMMENCEMENT OF CONSTRUCTION.

Overall Slab On Grade Plan



- NOTES:
- SEE MECHANICAL SHEETS FOR PIPING LAYOUT.
 - AT COMPOST BAY SLABS:
 - ALL CONTROL JOINTS SHALL BE CONSTRUCTION JOINTS, WITH SLABS POURED IN A CHECKERBOARD PATTERN. SEE PROJECT SPECIFICATIONS FOR MINIMUM TIME REQUIRED BETWEEN CONCRETE POURS.
 - 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.
 - AT EQUIPMENT SLAB, CONTROL JOINTS MAY BE EITHER TOOLED OR SAWCUT.



Revision	Date	By
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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

Revision		
Addendum #5		
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

City Of
Missoula

Project Title

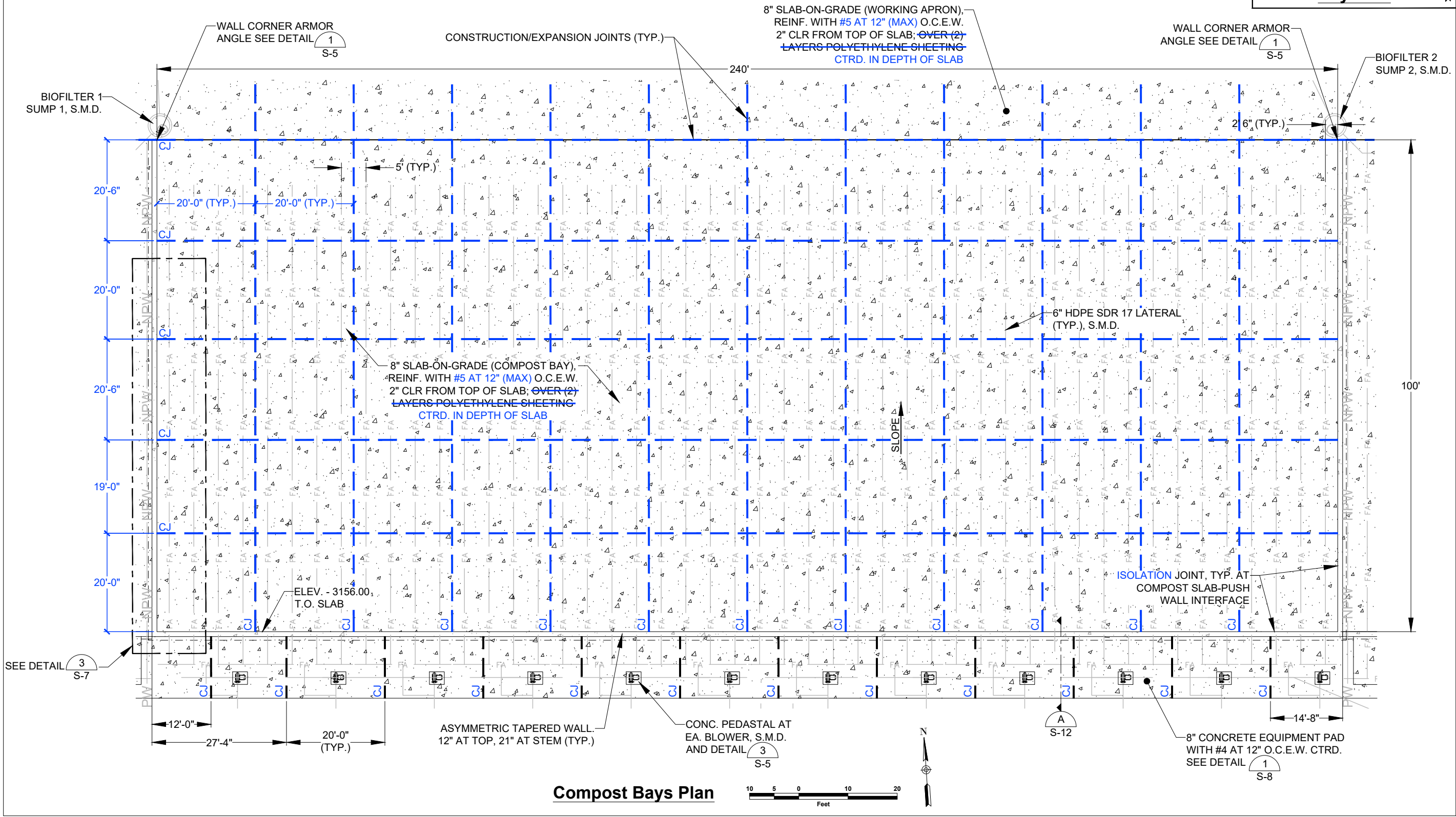
Garden City
Compost
Facility
Improvements

Sheet Title

Compost
Bays

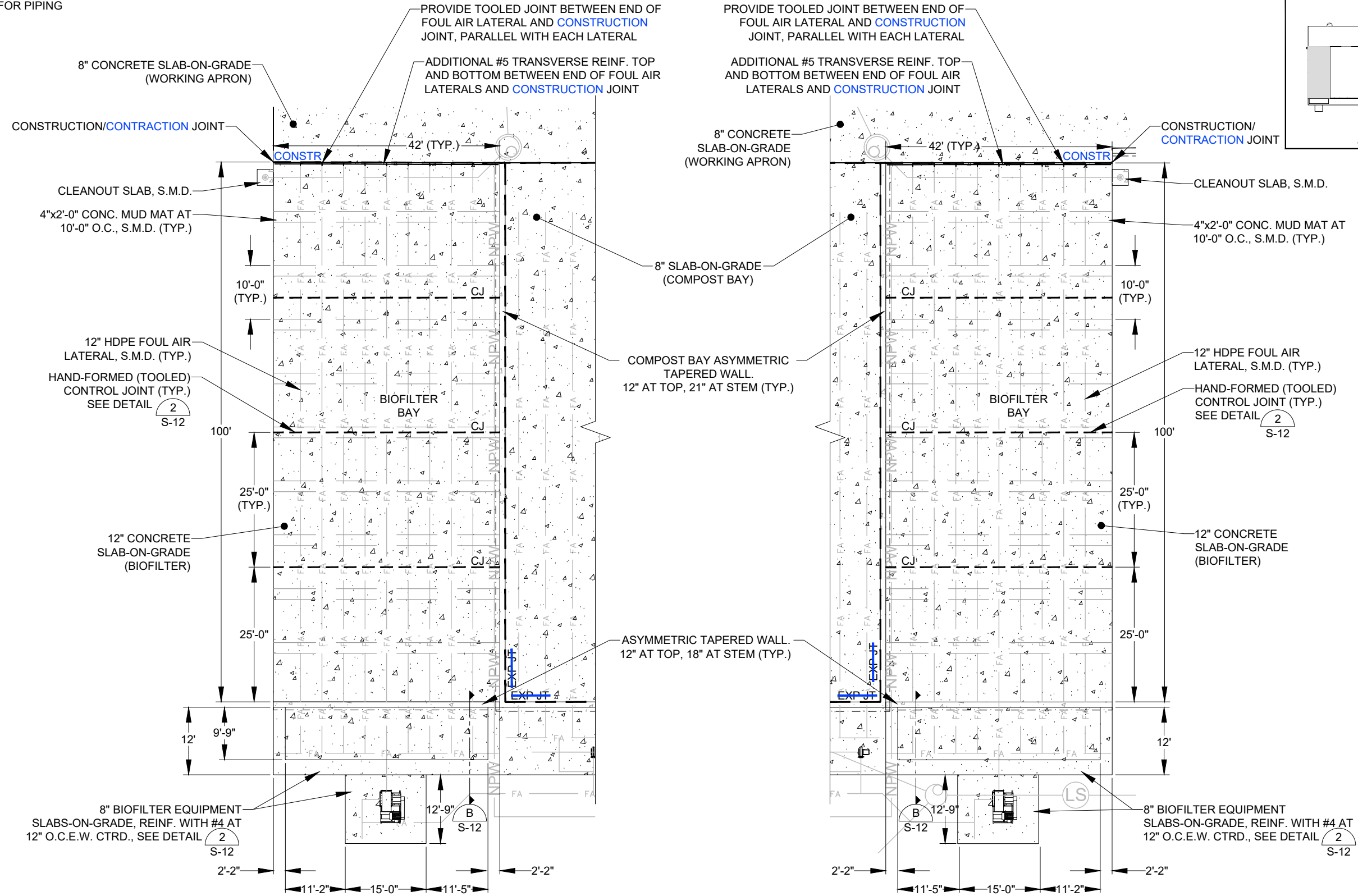
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S-10

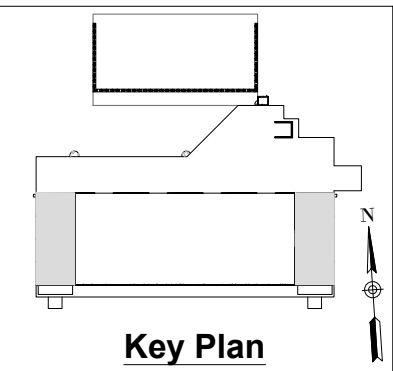


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NOTE:
SEE MECHANICAL
SHEETS FOR PIPING



Biofilters Plan



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Project Title

Garden City Compost Facility Improvements

Sheet Title

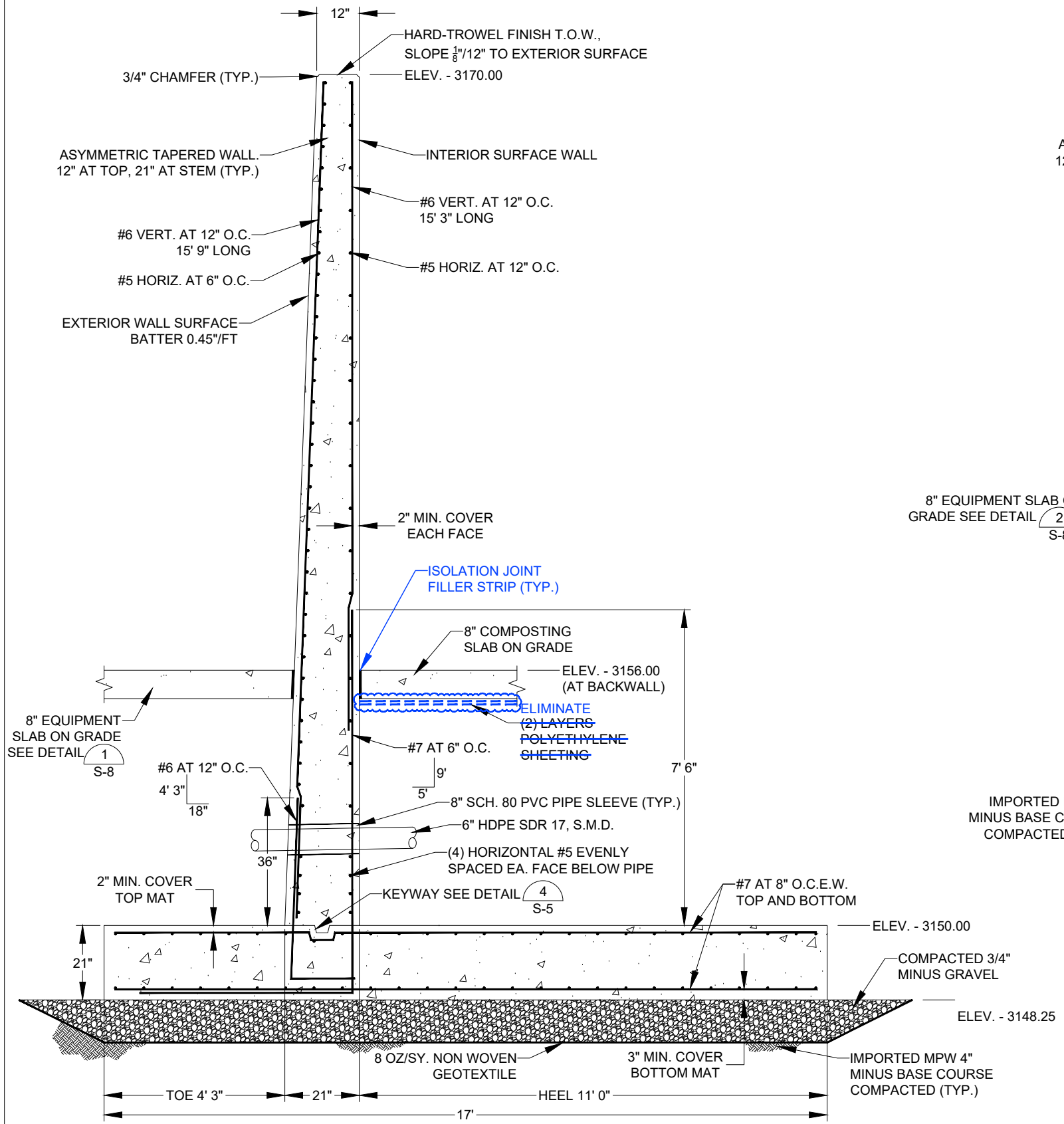
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S-11

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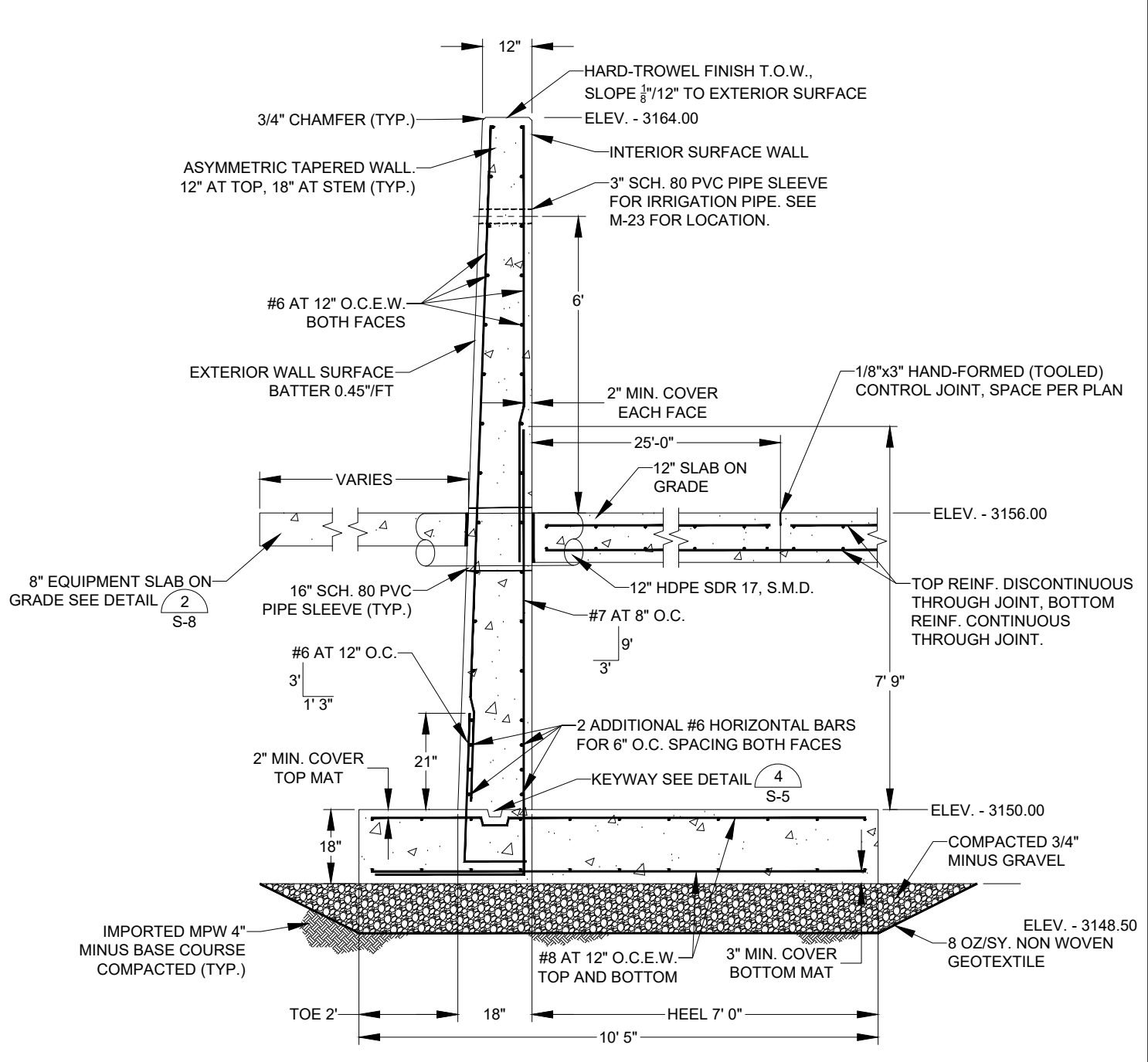
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External Compost Wall Section A S-10

NOTE:

- SUBGRADE BENEATH SLAB-ON-GRADE NOT SHOWN FOR DRAWING CLARITY. SUBGRADE SHALL BE IMPORTED MPW 4" MINUS BASE COURSE COMPACTED.
- FOR REINFORCEMENT REQUIREMENTS WHERE INTERRUPTED BY PIPE PENETRATIONS SEE DETAIL (1) S-7



Biofilter Push Wall Section B S-11

NOTE:

- SUBGRADE BENEATH SLAB-ON-GRADE NOT SHOWN FOR DRAWING CLARITY. SUBGRADE SHALL BE IMPORTED MPW 4" MINUS BASE COURSE COMPACTED.
- FOR REINFORCEMENT REQUIREMENTS WHERE INTERRUPTED BY PIPE PENETRATIONS SEE DETAIL (1) S-7



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Addendum #5		
Plot Scale	1:2	
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Drawn By	E. Swanson	
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Project Title

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Improvements

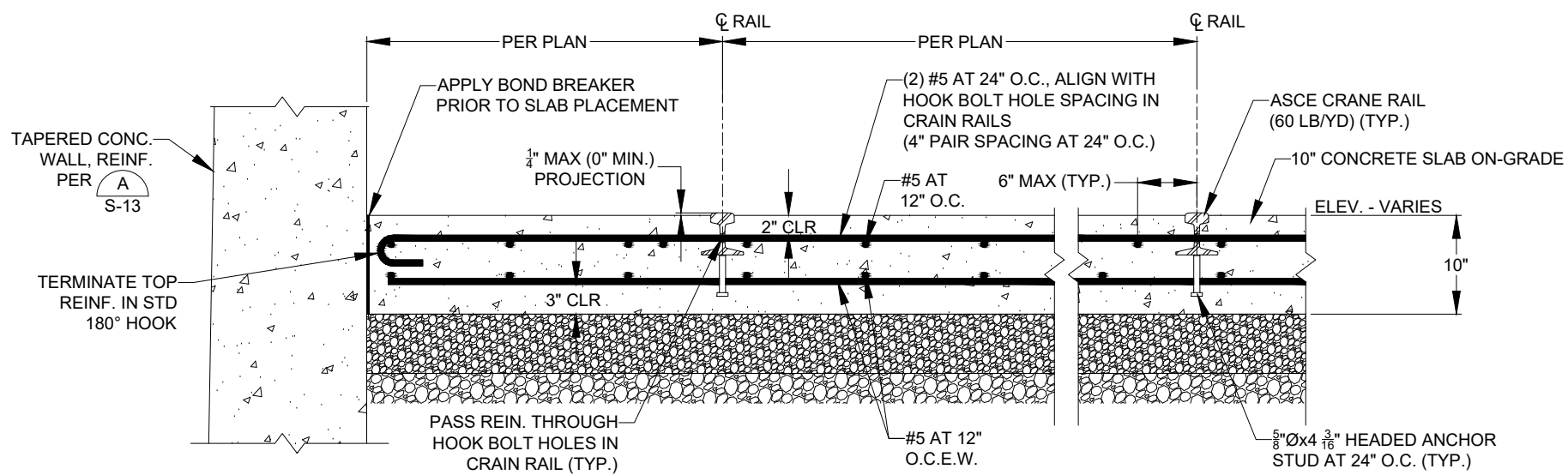
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Push Wall
Sections

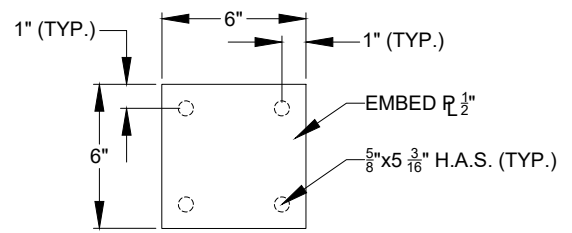
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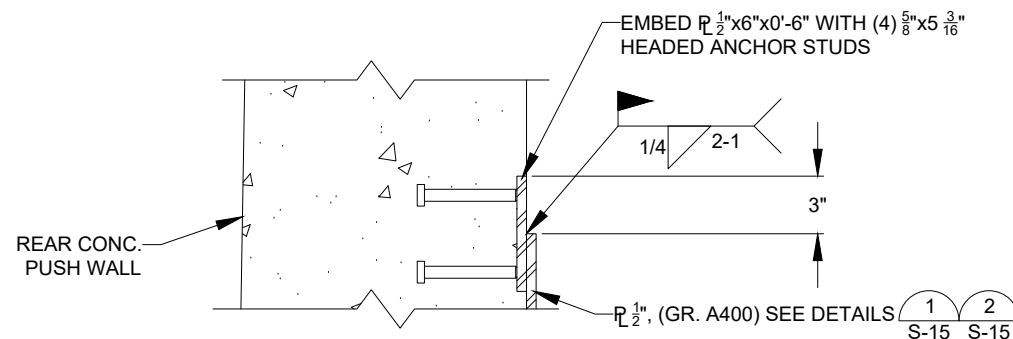
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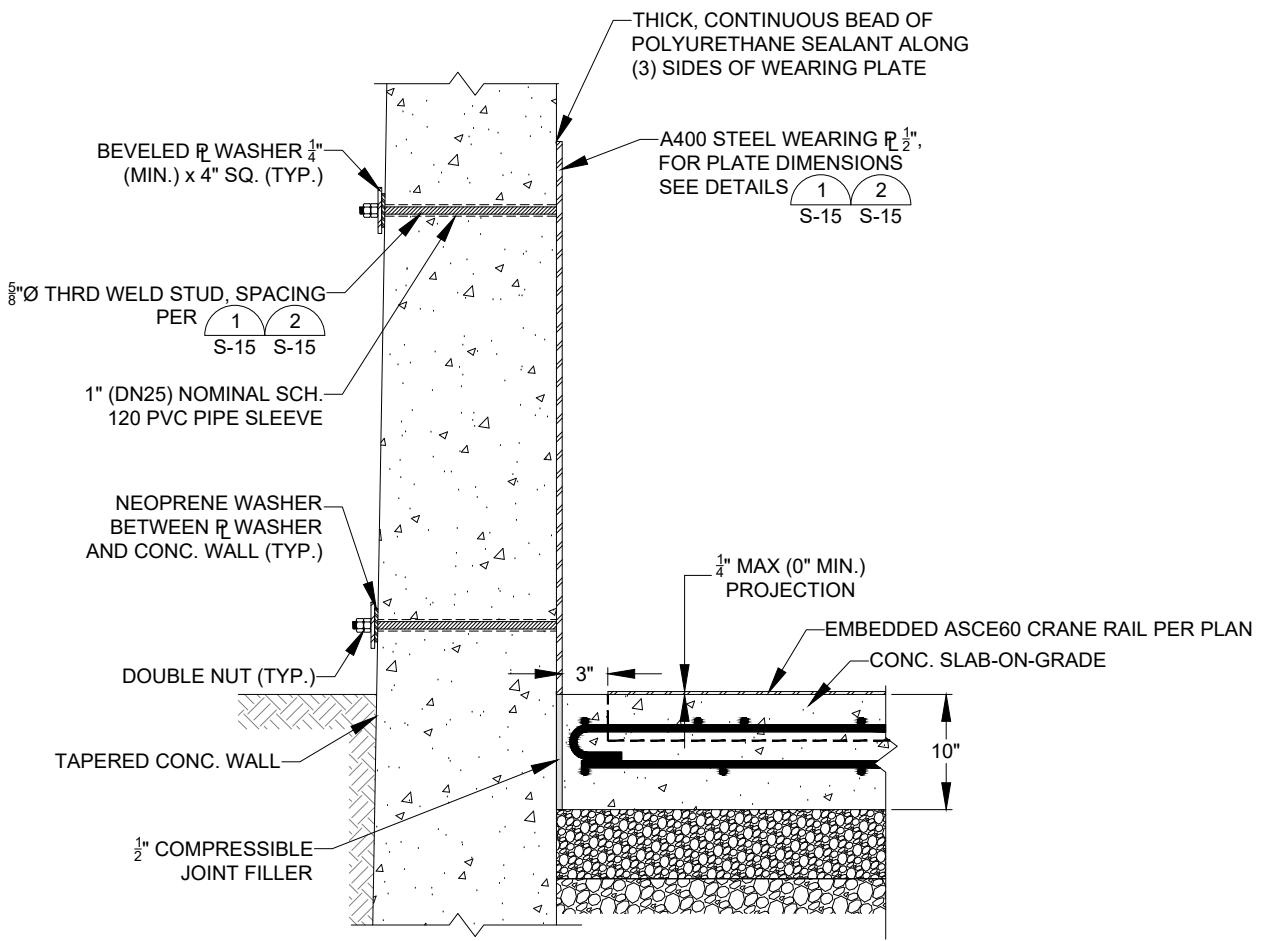
Biosolids/Pre-Compost Slab Section 1
S-16
NO SCALE



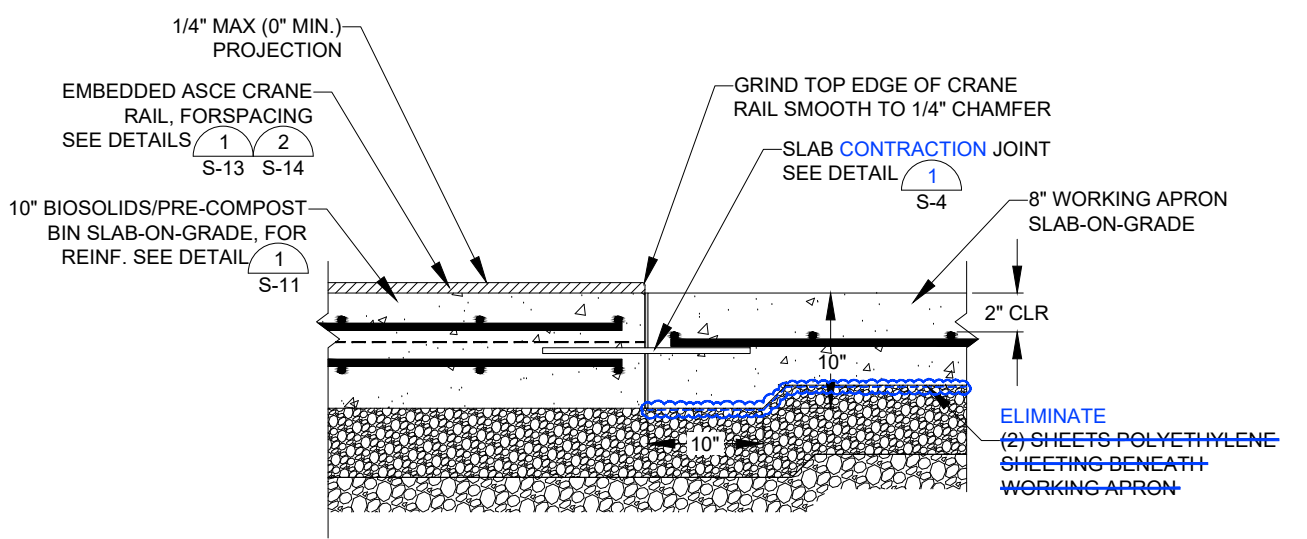
EMBED PLATE ELEVATION



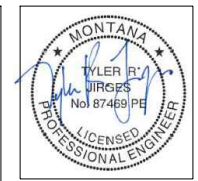
Biosolids/Pre-Compost Bin Embed Plate Detail 3
S-16
NO SCALE



Biosolids/Pre-Compost Backwall Plate Detail 2
S-16
NO SCALE



Biosolids/Pre-Compost Bin Contraction Joint At Working Apron Slab 4
S-16
NO SCALE



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Project Title

Garden City
Compost
Facility
Improvements

Sheet Title

**Biosolids
&
Pre-Compost
Mixing Bin
Details**

Sheet

S-16

EXHIBIT C

**Construction Dewatering Schematic
Land Application to Poplar Farm**



Dewater site to force main 670 feet. Tap or saddle onto 10" line.

Use 10" irrigation force main. Isolate at each end from rest of irrigation line

Isolate existing above ground 10" HDPE irrigation line

Isolate existing buried 10" HDPE line

Connect & extend to trees

Measure distance
Click on the map to add to your path
Total distance: 1,463.84 ft (446.18 m)

Detention Ponds

200.00 ft

300.00 ft

400.00 ft

500.00 ft

600.00 ft

700.00 ft

800.00 ft

900.00 ft

Layers