

**Request for Proposals
Construction of Pavilion/Bathrooms
States Landing Beach Facility
Moultonborough, NH
Proposals Due 2:00 p.m. April 10, 2025**



Kevin D. Quinlan, Chairman
Board of Selectmen



TOWN OF MOULTONBOROUGH REQUEST FOR PROPOSALS Construction of Pavilion/Bathrooms States Landing Beach Facility

The Town of Moultonborough is seeking proposals from qualified companies for the construction of the Pavilion/Bathrooms, to be located at States Landing Beach Facility, States Landing Road, Moultonborough, NH. The proposals will be accepted until 2:00 p.m. on Thursday, April 10, 2025, in the Offices of the Select Board, 6 Holland Street, PO Box 139, Moultonborough, NH 03254 at which time they will be opened and publicly read aloud.

A detailed package with information on the services to be provided or items to be supplied by the vendor, the conditions thereof, and bid forms, is available at www.moultonboroughnh.gov (Request for Proposals) or said Select Board offices during normal business hours.

The work includes providing all labor, equipment and materials necessary to complete a full-service installation, including all carpentry, electrical, plumbing, and finish work necessary to house a Clivus Multrum Model M12 Waterless Composting Toilet System. Site work and foundation/slab to be completed by others.

A pre-bid conference and site inspection will be held at 10:00 a.m. on Friday, April 4, 2025 in the Ernest Davis Meeting Room at Town Hall at 6 Holland St. A site visit will follow the pre-bid conference. Any questions with regard to this invitation must be expressed orally by the conclusion of the site visit - or received in writing by Noon of that day - by Mr. Carter Terenzini, Interim Town Administrator, at cterenzini@moultonboroughnh.gov. The answers and any changes or supplements to this document, will be emailed to those who attend and posted on the Town's website as an Addendum no later than 4:00 p.m. on that same Friday, April 4, 2025 (www.moultonboroughnh.gov Request for Proposals). It is the bidder's responsibility to check and verify any such changes in order to account for them in their bid.

Your bid envelope must be marked with the project, item or service being sought by the Town, and the date the bids are due. Bids submitted by mail should be placed in a separate sealed envelope, marked as required, inside the mailing envelope to safeguard against it being opened in error.

The Town reserves the right to reject any and all bids, and waive any minor or non-material informalities, if deemed to be in its best interests.

Kevin D. Quinlan, Chairman/s/
Board of Selectmen

Posted: Town Bulletin Boards (7)
Advertised: N/A
Mailed: Bidders List
Web: Town Web Site

Mail: March 28, 2025
Pre-Bid: April 4, 2025
Questions Due: April 4, 2025
Addendum Out: April 4, 2025
Proposals Due: April 10, 2025

REQUEST FOR PROPOSALS
Construction of Pavilion/Bathrooms
States Landing Beach Facility

REQUIREMENTS & ADVISORIES:

1. A pre-bid conference will be held at 10:00 a.m. on Friday April 4, 2025 in the Ernest Davis Meeting Room at the Moultonborough Town Hall on 6 Holland Street, Moultonborough, NH 03254. A site visit will occur immediately thereafter. **Attendance is NOT mandatory.**
2. Any questions with respect to this invitation must be received by the Town, either orally or in writing, by the end of this site visit. The answers and any changes or supplements to this document, will be emailed to those who attend and posted on the Town's website as an Addendum no later than 4:00 p.m. on that same Friday, April 4, 2025 (www.moultonboroughnh.gov Request for Proposals). It is the bidder's responsibility to check and verify any such changes in order to account for them in their bid.
3. Contractor shall provide all material, labor and equipment required to complete a full-service installation, including all carpentry, electrical, plumbing, venting, and finish work necessary to house and install a Clivus Multrum Model M12 Waterless Composting Toilet System (Note: M12 System to be furnished by Owner and installed by Contractor).
4. Contractor shall complete field reconnaissance of the work areas to become fully familiar with the existing conditions.
5. All preparatory and finish site work, foundation, slab and the installation of the Clivus water "holding tank" will be completed *by others*. However, the Contractor shall be responsible for coordinating with *the others*.
6. Contractor shall obtain the required permits from the Office of Land Use.
7. Contractor shall construct the pavilion/bathroom building in accordance with the latest Building Codes.
8. Contractor shall perform all electrical work in accordance with the latest Electrical Codes.
9. Contractor shall perform all plumbing work in accordance with the latest Plumbing Codes.
10. Contractor shall perform all work in accordance with the requirements of the Town of Moultonborough ordinances and regulations.
11. Contractor shall clean up the site daily, receiving prior approval from the Town for any staging area of materials, dumpsters and the like. Disposal of materials is permissible at the Town's Solid Waste Facility at no charge to contractor during normal hours of Facility operation or by prior arrangement with the Town of Moultonborough.
12. Materials, equipment, and construction requirements shall be per Exhibit A and the posted plans, schematics, and specifications, or approved equivalent.
13. Contractor shall submit for approval a stamped/engineered beam design for the roof truss support over the open pavilion section. The spacing of the posts shall be 6'-8" on the side walls and 7'-2" on the gable end.
14. Contractor shall submit for approval a stamped/engineered roof truss design for the structure. The Boise Cascade Roof Truss Design provided in the RFP is an example for *reference only*.
15. Basement will span the full width/length of the enclosed portion of the structure.
16. All DES permit requirements must be adhered to.

PROPOSAL SUBMISSION:

- 1.) Completed Town of Moultonborough Bid Form (attached).
- 2.) A description of the firm and qualifications, and references of the individual who will be completing the work.

INSURANCE & HOLD HARMLESS:

Prior to commencing work, and throughout the term of this contract, the Contractor shall obtain, and maintain, in the limits and under the conditions set forth below, insurance coverage naming the Town, its officers, employees and assigns, as Certificate Holder and additionally Named Insured, for the following types and levels of coverage:

- Workers Compensation	Statutory
- Automobile and Equipment	\$1 Million/\$2 Million
- Property Damage	\$1 Million/\$2 Million
- General Liability	\$1 Million/\$2 Million

If a sub-Contractor is used for any portion of the work, the Contractor will provide to the Town a similar certificate, in similar amounts and under similar conditions, from the Subcontractor.

Should the Contractor fail to maintain such Workers' Compensation insurance, and should the Town be found liable to principals, officers, employees and agents of the Contractor, the Town may recover from the Contractor the amount of any medical costs and compensation paid to or on behalf of the principals, officers, employees and agents of the Contractor and any expenses relating to claims filed under the provisions of Workers' Compensation.

The Contractor shall indemnify, defend and save harmless the Town, and its officers, agents and employees from and against any suit, action or claim of loss or expenses because of bodily injury, including death at any time there from, sustained by any person or persons or on account of damages to property, including loss thereof to the extent caused by the Contractor's negligent acts, errors, or omissions, in the performance of services under this Contract. The Town agrees that the Contractor will not be responsible for any suit, action or claim of loss or expenses because of bodily injury, or damages, caused by the Town, its officers, agents and employees due to the negligence or omission of the Town. This covenant shall survive the termination of this Contract.

PROPOSAL DUE DATE AND METHODS OF DELIVERY:

Sealed Proposals will be accepted until 2:00 p.m. on Thursday April 10, 2025 in the in the Offices of the Select Board, 6 Holland Street, PO Box 139, Moultonborough, NH 03254 at which time they will be opened and publicly read aloud. Each submission should be in a sealed envelope marked, Town of Moultonborough, Construction of Pavilion/Bathrooms Proposal with the due date clearly marked. If mailed, the proposal should be in a separate sealed envelope with the outer envelope marked similarly to prevent the bid from being opened in error.

It is the Contractor's responsibility to ensure that the proposal is received in the Town Administrator's office by the due date and time irrespective of whatever means of delivery chosen. Any submission received after the due date and time will be returned to you unopened.

ANTICIPATED TIMELINE:

Pre-Bid Meeting	April 4, 2025
Opening of Proposals	April 10, 2025
Anticipated Award of Contract	May 6, 2025 (Possibly April 15, 2025)
Contract Execution	Fourteen Days Thereafter
Contract Start & Completion	To Be Determined
Contract Completion	May 23, 2025

BONDING & PAYMENT PROCEDURE:

No bid bond is required!

Progress payments will be made on a periodic basis as justified by the percentage of completion.

We do not anticipate that the project needs to be bonded unless the value of your proposal exceeds \$125,000. [RSA 447:16 requires that “Officers... agents or other persons who contract in behalf of... any political subdivision thereof for the construction, repair or rebuilding of public buildings... shall if said contract involves an expenditure of... \$125,000 in behalf of a political subdivision... obtain as a condition precedent to the execution of the contract, sufficient security, by bond or otherwise, in an amount equal to at least 100 percent of the contract price...”.] A 2:
Should bonding be required, we will hold a retainage of 5% on each progress payment, and certificates of payment received from each subcontractor for work due under that progress payment, until such time as the work is complete and we have issued a Certificate of Completion.

In the alternative, if bonding is not required, we will hold a retainage of 10% on each progress payment, and certificates of payment received from each subcontractor for work due under that progress payment, until such time as the work is complete and we have issued a Certificate of Completion

Payment will be made within twenty-one (21) days of the acceptance of the work.

Town of Moultonborough
Construction of Pavilion/Bathrooms
States Landing Beach Facility
Bid Form
(Please Print in Ink or Type)

Name of Bidder: _____

Address: _____

Contact Person: _____

_____ Telephone

_____ Fax

_____ Email

ATTENTION: Board of Selectmen
 PO Box 139
 Moultonborough, NH 03254

Dear Honorable Selectmen:

Having examined the documentation provided with the subject Request for Proposals the undersigned proposes to furnish the requested item or materials as requested in accordance with the subject documents.

Bidder acknowledges receipt of the following Addenda (List Addenda by Addendum Number and Date):

Number	Date

1. BASE BID:

I propose to provide the total work required for the lump sum price of:

In Words: _____

In Numbers: \$ _____

Bid Form

Construction of Pavilion/Bathrooms – States Landing Beach Facility

April 10, 2025

Note: In the event there is a discrepancy between the written bid amount and the numerical bid amount, the written amount will be the bid amount recorded.

I understand that the Town may hold my bid for forty-five (45) days of the bids having been opened. If I am notified my proposal is accepted within said time period, I will execute a contract for the work within fourteen (14) days thereafter.

Time for Delivery: I will complete all work within _____ days (In Figures) of your notice to proceed.

I understand that the Town reserves the right to reject any and all bids, and waive any minor or non-material informalities, if deemed to be in its best interests.

I certify, under the penalties of perjury, that (1) I have had an opportunity to view the full bid package and am aware it was my responsibility to perform my own due diligence appropriate to submitting this proposal, (2) I am fully authorized to submit this bid, (3) I have not engaged in discussions, negotiations, or collusion with any person to determine what my bid will be and (4) that I, to the best of my knowledge and belief, have paid all taxes, fees, assessments, betterments or other municipal charges that I owe to the Town of Moultonborough or have payment agreement in place or have filed an appeal over the same.

Signature of Bidder

Corporate

Title of Bidder

Seal

Signed this _____ day of _____, _____.

STATEMENT OF BIDDERS QUALIFICATIONS

GENERAL INFORMATION:

A. Name: _____

Principal Office Address: _____

Telephone: _____

B. If a Corporation, answer the following:

When incorporated: _____

In what State: _____

Director's names (s) _____

President's Name: _____

Vice President's Name: _____

Secretary's Name: _____

Treasurer's Name: _____

C. If a partnership, answer the following:

Date of Organization: _____

State whether partnership is general or limited: _____

Name and Address of Partners: _____

EXPERIENCE:

A. How many years has your organization been in business as contractor under your present business name? _____

B. What are the prior names of your organization? _____

C. How many years of experience does your organization have as a prime contractor in the type of work specified in the Contract Documents? _____
As a sub-contractor? _____

D. List below the largest projects your organization has completed.

<u>Contract Amount</u>	<u>Project Title</u>	<u>Owner</u>	<u>When Completed</u>
1. _____			
2. _____			
3. _____			

Name and address of references for respective projects listed above:

1. _____
2. _____
3. _____

E. List other references: _____

F. List below two (2) completed projects which agree most similar to the proposed work.

<u>Contract Amount</u>	<u>Project Title</u>	<u>Owner</u>	<u>When Completed</u>
1. _____			
2. _____			

G. Have you ever failed to complete any work awarded to you? If yes, give name of Owner, name of Bonding Company and circumstances: _____

H. State the largest dollar volume of work your organization has completed in any one year and the year that it was completed in: _____

FINANCIAL REFERENCES

A. Name one (1) banking institution reference:

Name: _____

Address: _____

B. Name two (2) credit references other than the bank listed above.

1. Name: _____

Address: _____

2. Name: _____

Address: _____

CERTIFICATION

I hereby certify that the information submitted herewith, including any attachment, is true to the best of my knowledge and belief.

Firm Name

By: _____

Signature

Title: _____

Date: _____

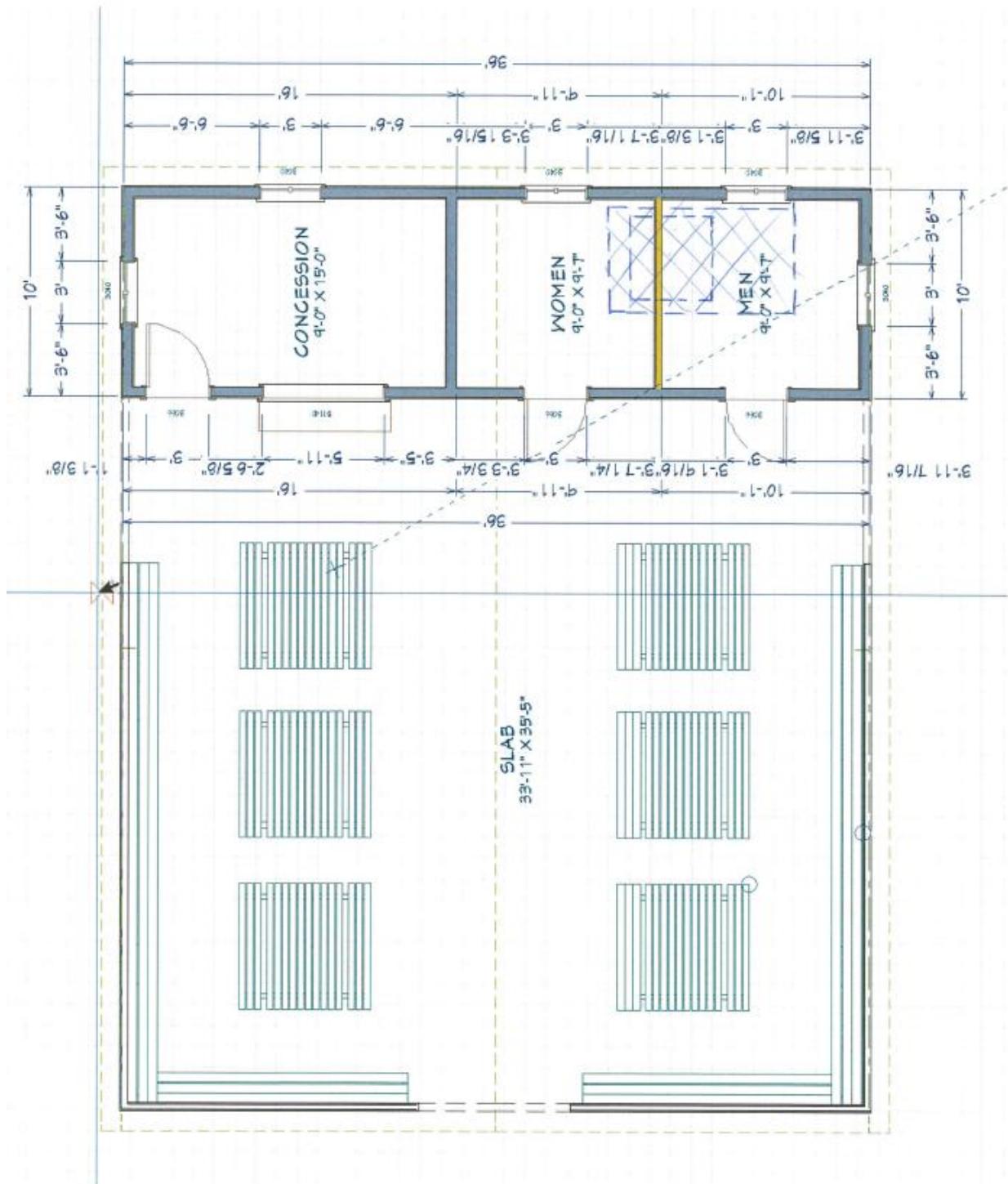
EXHIBIT A

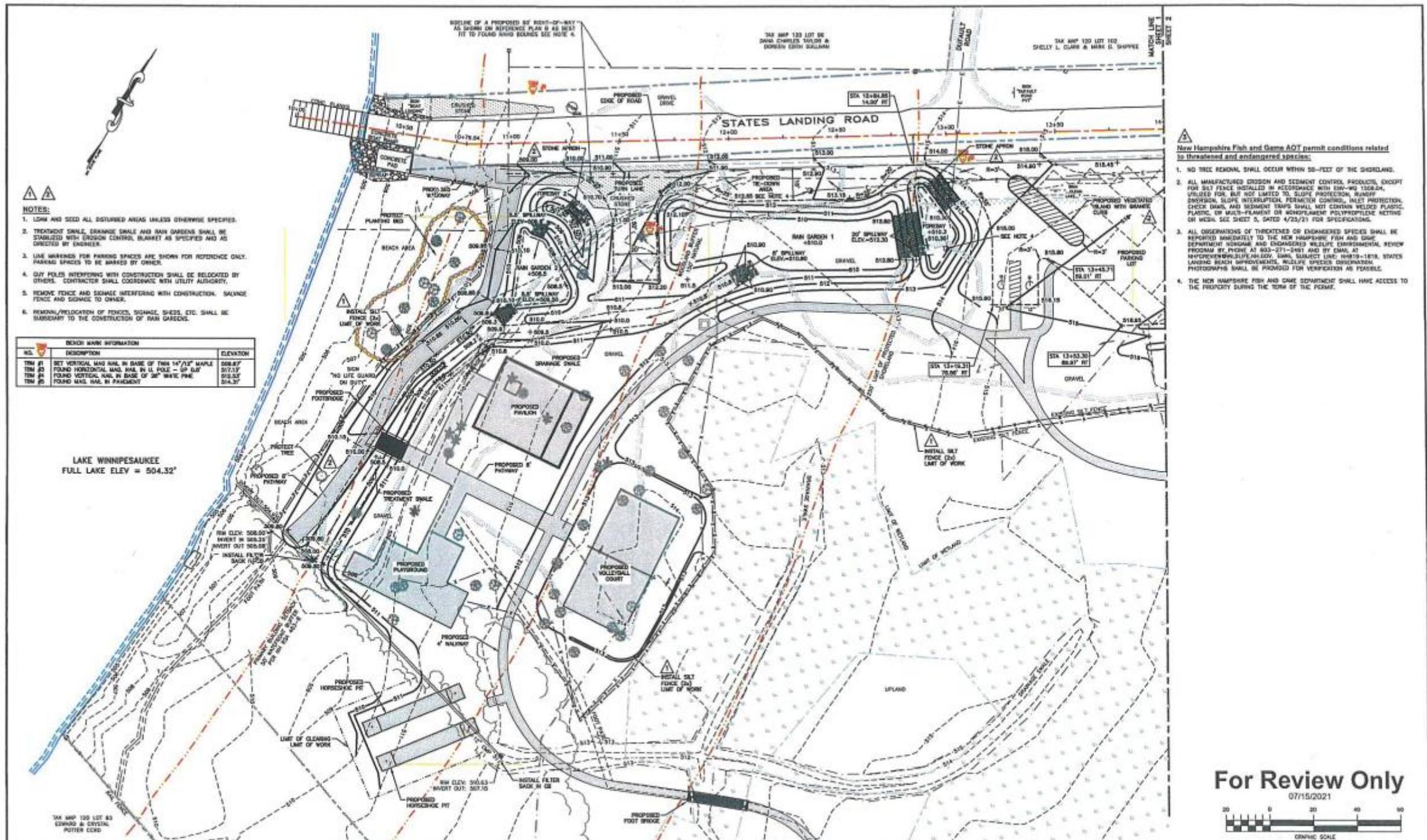
Compliance			Construction of Pavilion/Bathrooms
Item #	Yes	No	<u>Specifications:</u>
1			Flooring:
2			PT Sill
3			2x8 KD, 16" O.C.
4			¾" Advantech Subfloor
5			VCT covering, Color: Blue-Gray
6			Walls:
7			2X6 KD, 16" O.C.
8			Exterior: ½" ZIP System, Vinyl Siding, Color: Hampton Red or similar to match existing buildings.
9			Interior: ½" Greenboard, FRP finish
10			Pavilion: 6x6 PT Posts, Trimmed with full White PVC trim board, 2x4 KD partition walls (3' high, 6" above slab), 16" O.C., Capped w/1x8 PVC trim, ½" ZIP System, Vinyl Siding, Color: Hampton Red or similar to match existing buildings.
11			Ceiling: ½" Greenboard, Painted White (excluding pavilion)
12			Roof:
13			Truss System, as specified.
14			Ice & Water Shield, 25-Year Architectural Roof Shingles, Color: Timberline HD Charcoal
15			All exposed trim to be wrapped with PVC trim
16			Windows:
17			(5) Vinyl Awning Windows w/screens
18			Doors:
19			ADA Compliant, Fiberglass Flat Panel, Composite Jams and Trim,
20			Bulkhead with Stairs
21			Electrical:
22			Interior and exterior motion lights at doorways/entrances
23			Ceiling fans in Pavilion Area
24			Basement outlets and lights
25			Interior Outlets: (1) in each bathroom, (5) in Concession
26			Exterior Outlets: (4) in Pavilion Area and (2) on Building
27			Plumbing:
28			Piping and appurtenances as required by manufacturer of composting toilet system

This list is a general specification for the project and may not be all inclusive. Contractor is responsible for providing all necessary materials and equipment for a full-service operating installation meeting all applicable codes, ordinances, and regulations.

Please Refer to the Posted Specification Materials

1) Moultonborough Field House Schematic
2) Figure 1: States Landing Beach Pavilion and Bathrooms Site Plan
3) Interior Basement Requirements (Restroom and Composter Layout)
4) Boise Cascade Roof Truss Design
5) Clivus Multrum Model M12 Specification Sheet
6) Clivus Multrum AC Liquid Removal System Specification Sheet
7) Clivus Multrum Model M12 Installation Manual
8) Clivus New England Letter, Dated March 13, 2025, for reference to installation requirements.
9) DES Shoreline Permit





REVISIONS			
NUMBER	DATE	BY	DESCRIPTION
3	07/12/21	RHK	NHF&C COMMENTS
2	07/05/21	RHK	FINAL DESIGN
1	06/25/21	RHK	MINDED COMMENTS



KV Partners
CONSULTING ENGINEERS

PO BOX 7725
GILFORD, NH 03247
TEL: (603) 533-1909

PO BOX 432
NEW BOSTON, NH 03370
TEL: (603) 413-6556

www.kvpartners.com

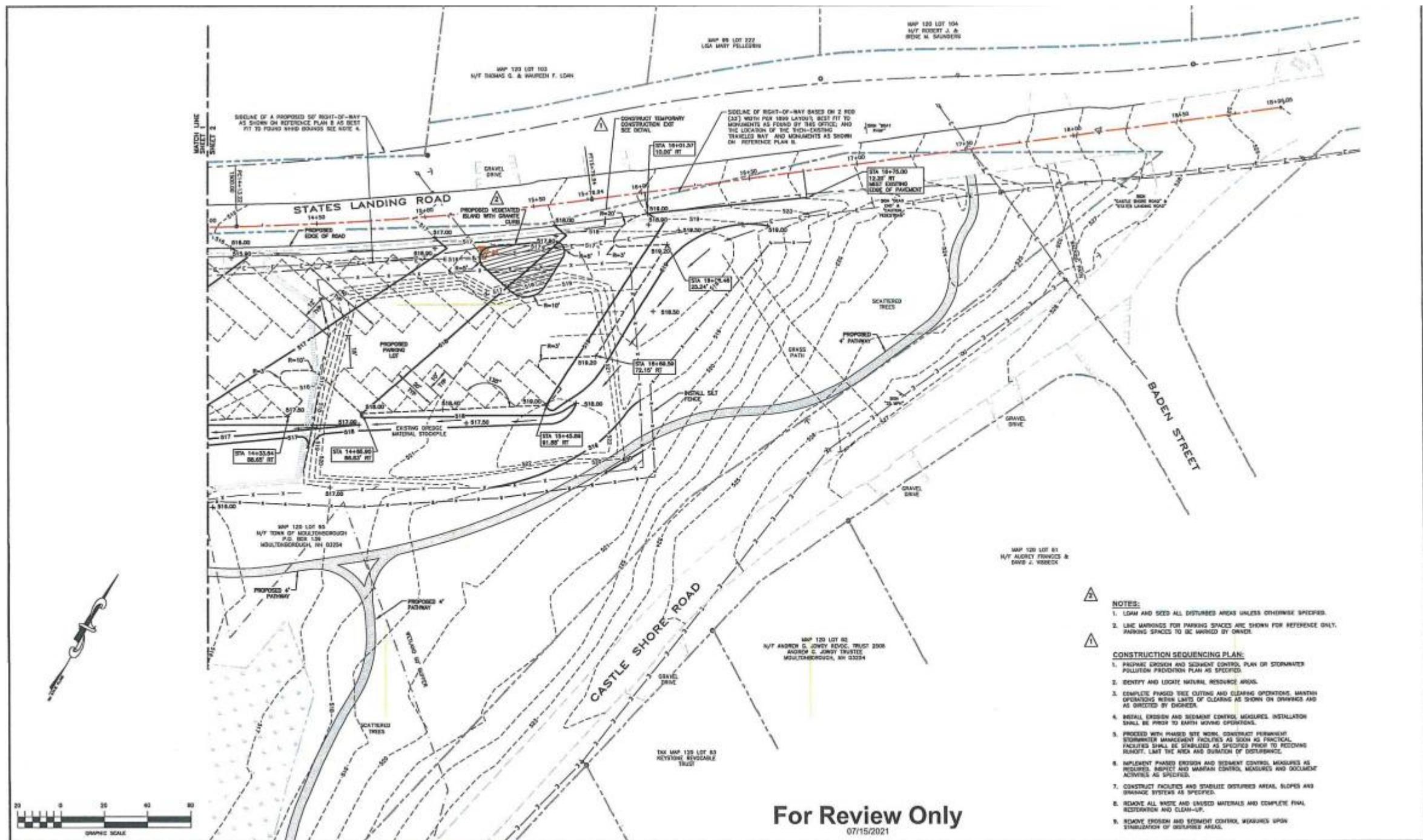
DATE: 02/05/21
SCALE: AS NOTED
DESIGNED BY: RGR
DRAWN BY: NMF
CHECKED BY: RHK
APPROVED BY: RHK

STATES LANDING BEACH
LANDSIDE IMPROVEMENTS PROJECT
MOULTONBOROUGH, NEW HAMPSHIRE

SHEET NO. 1

SITE PLAN

SHEET 1 OF 5



NUMBER	DATE	BY	
2	07/08/21	RHK	FINA
1	04/23/21	RHK	NHD



KVP₂
CONSULTING

KV Partners
CONSULTING ENGINEERS

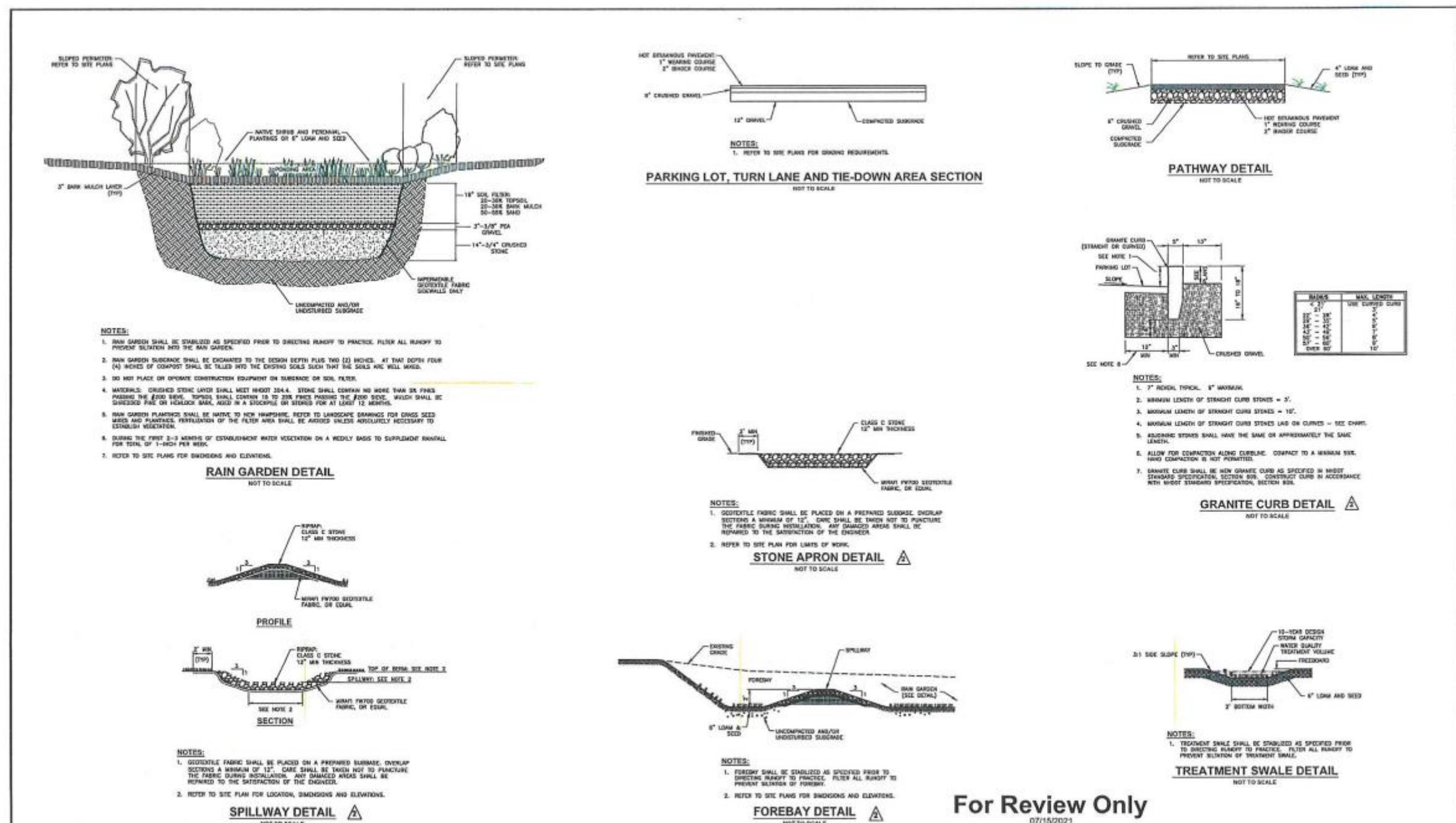
www.bu.edu

DATE:	02/08/21
SCALE:	AS NOTED
DESIGNED BY:	RGR
DRAWN BY:	MKT
CHECKED BY:	RHK
APPROVED BY:	RHK

STATES LANDING BEACH
LANDSIDE IMPROVEMENTS PROJECT
MOULTONBOROUGH, NEW HAMPSHIRE

SITE PLAN

SHEET NO.



For Review Only

07/15/2021

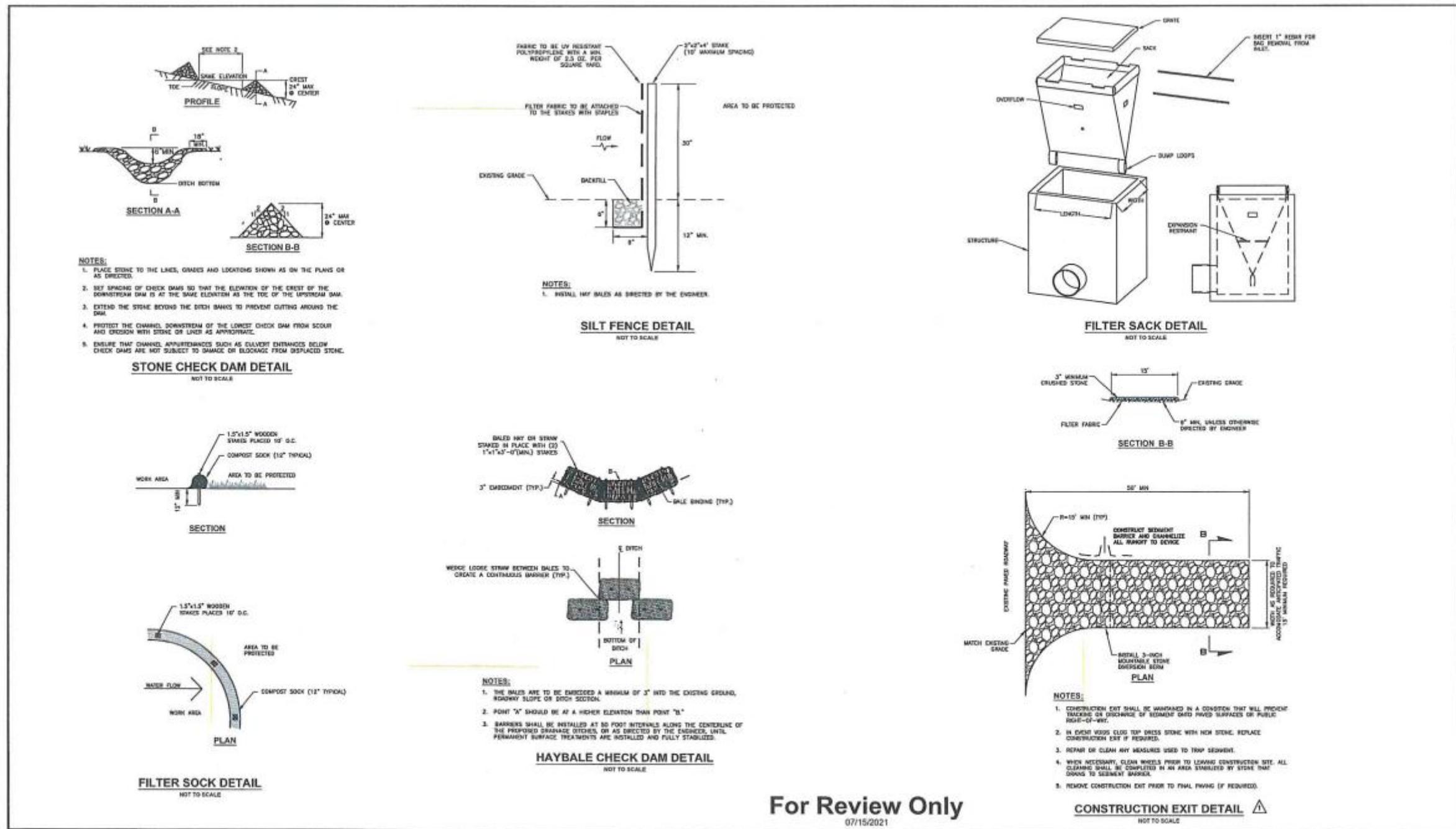
NUMBER	DATE	REVISIONS	DESCRIPTION	DATE	02/08/21	STATE: LANDSLIDE BEACH	STATE: LANDSLIDE BEACH	SHEET NO.
2	07/05/21	RHK	FINAL DESIGN	SCALE:	AS NOTED	LANDSIDE IMPROVEMENTS PROJECT	MOULTONBOROUGH, NH	3
1	04/23/21	RHK	NRHES COMMENTS	DESIGNED BY:	RHK			CIVIL DETAILS
				DRAWN BY:	RHK			SHEET 3 OF 5
				CHECKED BY:	RHK			
				APPROVED BY:	RHK			



KV Partners
CONSULTING ENGINEERS

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www.kvpc.com

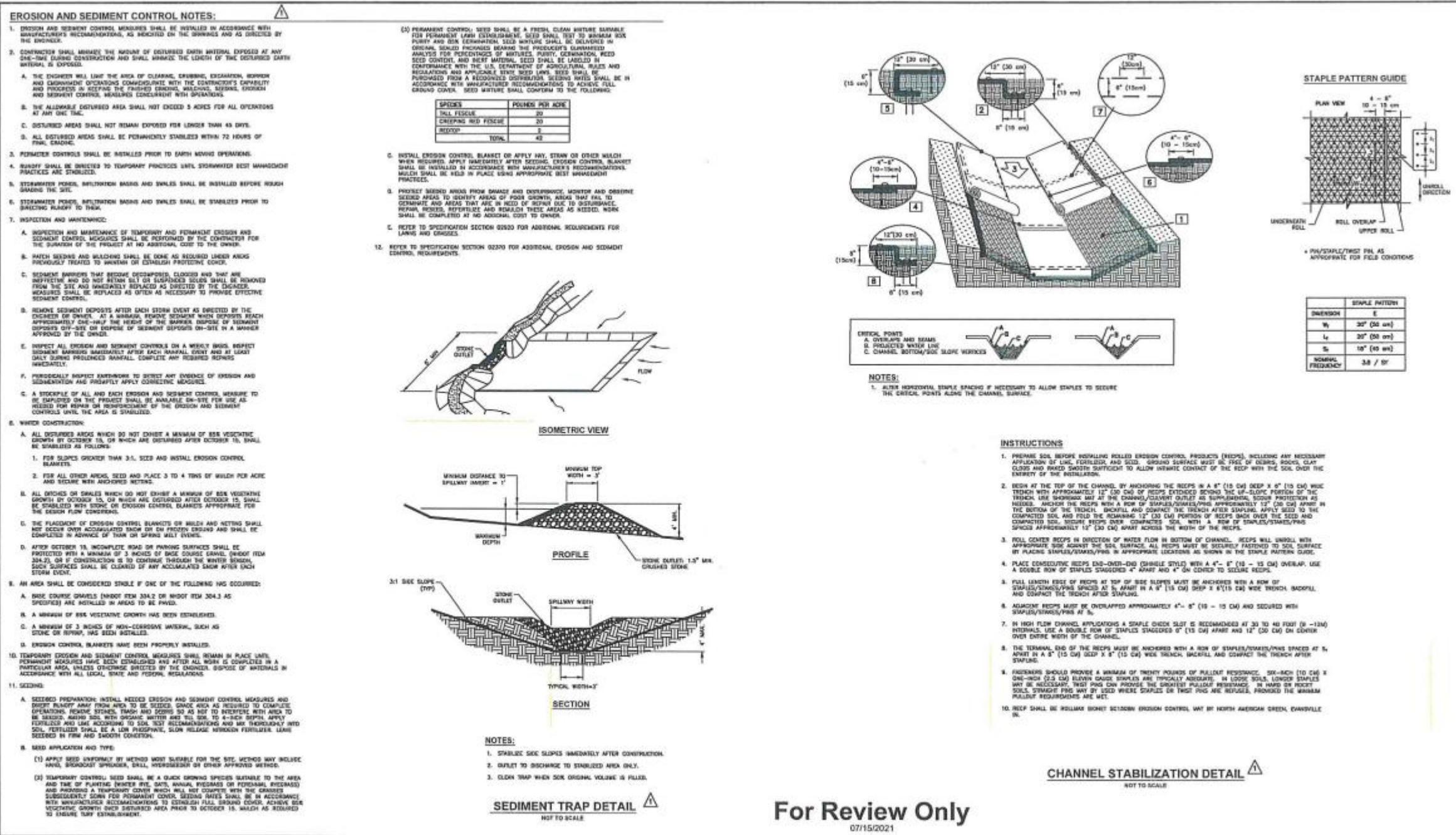
17



For Review Only

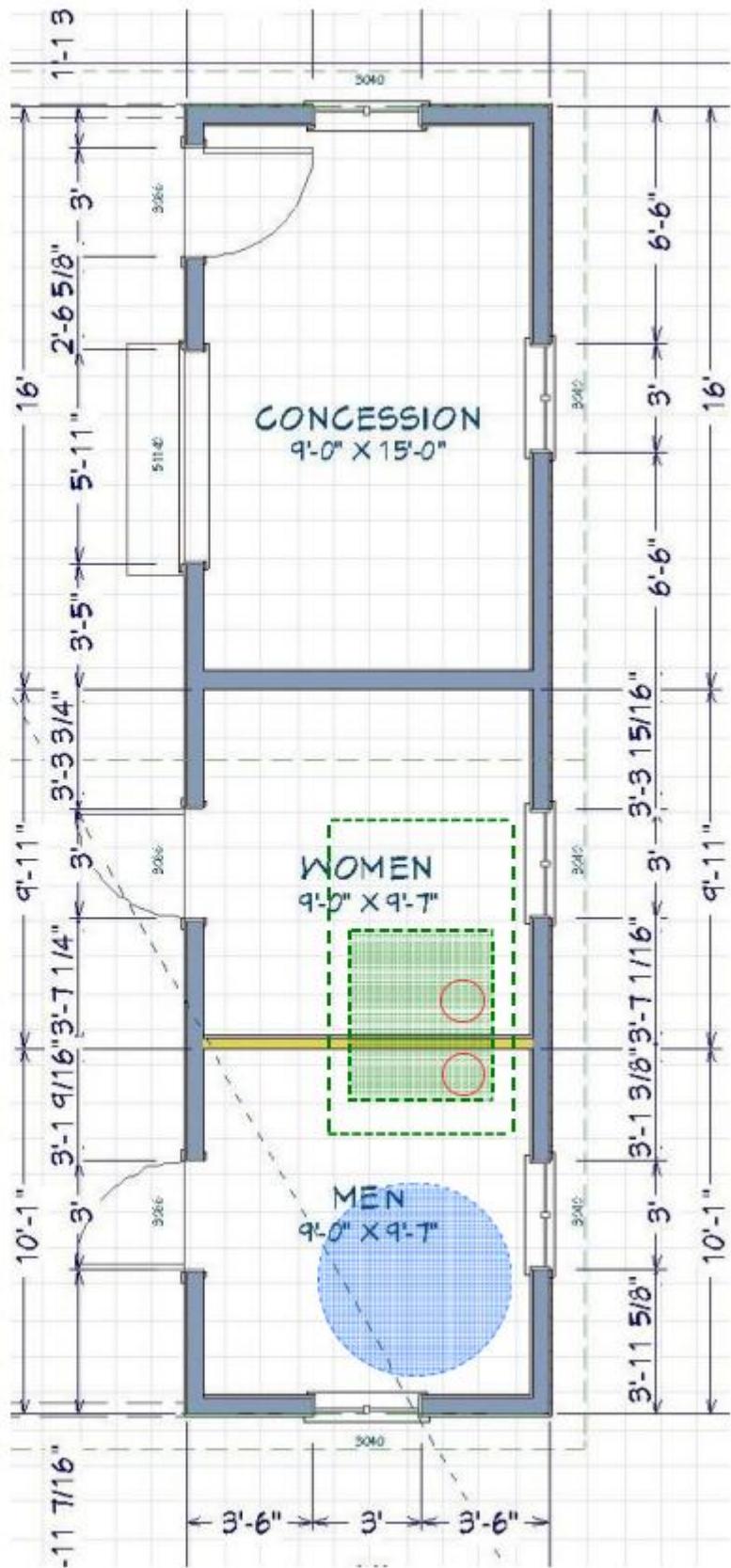
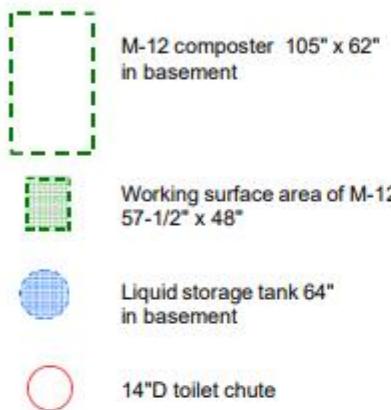
07/15/2021

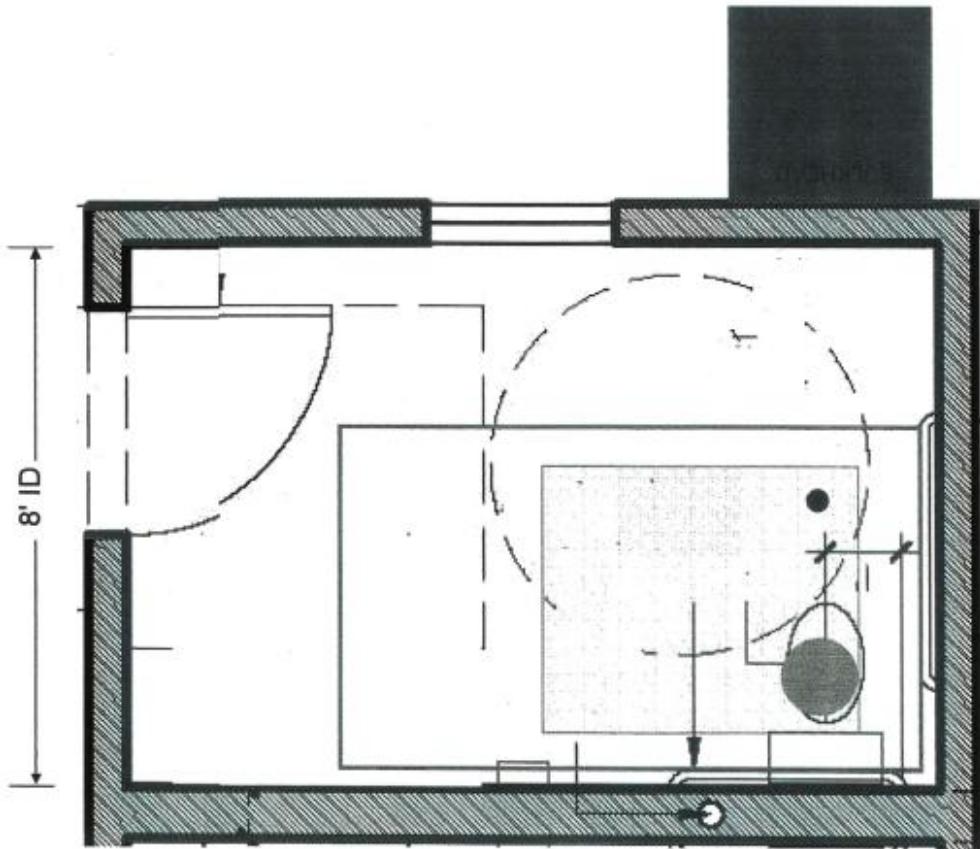
NUMBER	DATE	1-	DESCRIPTION	REVISIONS	KV Partners CONSULTING ENGINEERS	DATE: 02/06/21 SCALE: AS NOTED DESIGNED BY: RHK DRAWN BY: NMT CHECKED BY: RHK APPROVED BY: RHK	STATES LANDING BEACH LANDSIDE IMPROVEMENTS PROJECT MOULTONBOROUGH, NH	SHEET NO. 4 EROSION AND SEDIMENT CONTROL DETAILS SHEET 4 OF 5
1	04/25/21	RHK	NHDES COMMENTS			PO BOX 7721 GILFORD, NH 03247 TEL: (603) 913-1909	PO BOX 433 NEW HAVEN, NH 03870 TEL: (603) 415-8550 www.kvpc.com	



REVISIONS			KV Partners CONSULTING ENGINEERS	PO BOX 432 NEW BOSTON, NH 03060 TEL: (603) 413-0599 www.kvpc.com	DATE: 04/25/21 SCALE: AS NOTED DESIGNED BY: RHK DRAWN BY: MWT CHECKED BY: RHK APPROVED BY: RHK	STATES LANDING BEACH LANDSIDE IMPROVEMENTS PROJECT MOULTONBOROUGH, NH	SHEET NO. 5
NUMBER	DATE	DESCRIPTION					
1	04/25/21	RHK NIDES COMMENTS					

STATES LANDING BEACH FACILITY restroom and composter layout





● 4"D ventilation pipe

14"D waste chute from waterless toilet
NOTE: toilet must be positioned to allow the chute to land within the working surface area of the composter. C/L of toilet must be at least 12-1/2" off back finished wall and 18" off the side wall. This assumes that the basement interior walls and the finished bathroom walls are on the same plane.

● Bulkhead with 36" minimum doorway into basement

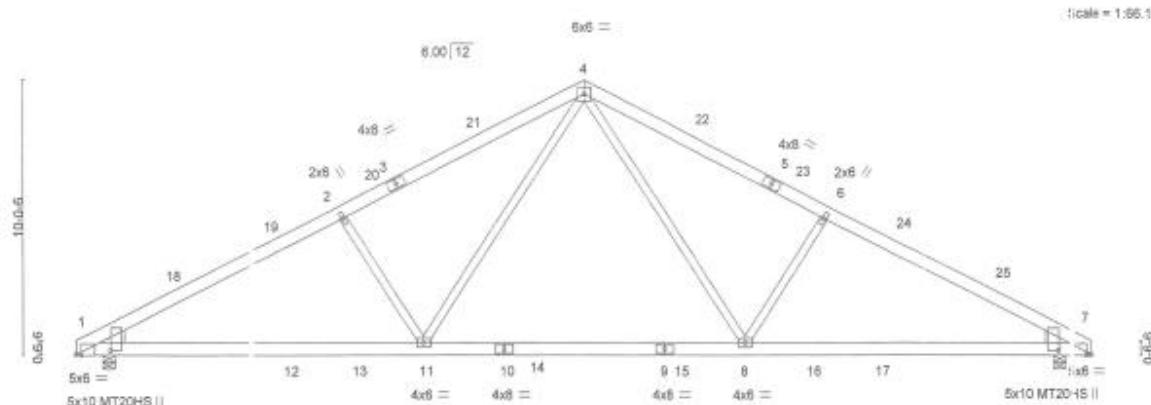
● M-18 composter
105" L x 62" W x 63" H

● Working surface area of
M-12 composter
48" W x 57-1/2" L

**ALL EQUIPMENT MUST BE PLACED IN
BASEMENT PRIOR TO "CAPPING OFF" OF
BASEMENT CEILING**

**INTERIOR BASEMENT DIMENSIONS:
8'W X 12'L X 8'H**

Job 694803	Truss 001	Truss Type FINK	Qty 25	Ply 1	Job Reference (optional)
Boise Structural Solutions, Saco, ME 04072, Sirantha Turbine					
9-11-4	9-11-4	19-0-0	28-0-12	38-0-0	8 200 2 Feb 13 2018 MTek Industries, Inc. En Mar 30 13:45:21 2018 Page 1 ID:sRdmIXHMxnb8juOfLCyKtch-RpiQNIKhrObu80wes7AT1z0bkzCuhkVMzVhrC
9-11-4	9-11-4	9-0-12	9-0-12	9-11-4	



1-0-0	12-11-8	25-0-8	37-0-0	31-0-0
1-0-0	1-11-8	12-1-0	11-11-8	1-0-0

Plate Offsets (X, Y) - [1:0-2-4, Edge], [1:0-1-12, 1-3-5], [7:0-2-4, Edge], [7:0-1-12, 1-3-5]

LOADING (psf)	SPACING-	1-4-0	CSI.	DEFL.	in (loc)	ldef	L/d	PLATES	GRIP
TCLL (Ground Snow=80.0)	Plate Grip DOL	1.15	TC 0.77	Vert(LL)	-0.24	1-11	>999	240	MT20
TCDL 10.0	Lumber DOL	1.15	BC 0.63	Vert(TL)	-0.47	1-11	>995	180	MT20H-S
BCLL 0.0 *	Rep Stress Incr YES		WB 0.77	Horz(TL)	0.11	7	n/a	n/a	
BCDL 10.0	Code IBC2009/TP12007		Matrix-SH					Weight: 180 lb	FT = 0%

LUMBER-	BRACING-	Structural wood sheathing directly applied or 4-0-3 oc pur lins.
TOP CHORD 2x8 SPF 1650F 1.5E	TOP CHORD	Rigid ceiling directly applied or 10-0-0 oc bracing.
BOT CHORD 2x6 SPF 1650F 1.5E	BOT CHORD	
WEBS 2x4 SPF-S No.2		MTek recommends that Stabilizers and required cross bracing be installed during truss erection, in accordance with Stabilizer Installation guide.
WEDGE Left: 2x6 SPF 1650F 1.5E, Right: 2x6 SPF 1650F 1.5E		

REACTIONS. (lb/size): 1=2042/0-5-6 (min. 0-3-3), 7=2042/0-5-8 (min. 0-3-3)
Max Horz 1=111(LC 8)
Max Uplift 1=-253(LC 9, 7=-253(LC 10)

FORCES. (lb)	1 - Maximum Compression/Maximum Tension	2 - Maximum Compression/Maximum Tension	3 - Maximum Compression/Maximum Tension	4 - Maximum Compression/Maximum Tension	5 - Maximum Compression/Maximum Tension	6 - Maximum Compression/Maximum Tension	7 - Maximum Compression/Maximum Tension	8 - Maximum Compression/Maximum Tension	9 - Maximum Compression/Maximum Tension	10 - Maximum Compression/Maximum Tension	11 - Maximum Compression/Maximum Tension	12 - Maximum Compression/Maximum Tension	13 - Maximum Compression/Maximum Tension	14 - Maximum Compression/Maximum Tension	15 - Maximum Compression/Maximum Tension	16 - Maximum Compression/Maximum Tension	17 - Maximum Compression/Maximum Tension	18 - Maximum Compression/Maximum Tension	19 - Maximum Compression/Maximum Tension	20 - Maximum Compression/Maximum Tension	21 - Maximum Compression/Maximum Tension	22 - Maximum Compression/Maximum Tension	23 - Maximum Compression/Maximum Tension	24 - Maximum Compression/Maximum Tension	25 - Maximum Compression/Maximum Tension
TOP CHORD	1-18=3663/563, 18-19=3483/564, 2-19=3285/564, 2-20=3181/562, 3-20=3093/564, 3-21=2940/578, 4-21=2931/591, 4-22=2931/591, 5-22=2940/578, 5-23=3093/564, 6-23=3181/562, 6-24=3285/564,																								
BOT CHORD	1-12=417/3094, 12-13=417/3094, 11-13=417/3094, 11-14=-184/2041, 10-14=-184/2041, 9-10=-184/2041, 1-12=417/3094, 12-13=417/3094, 11-13=417/3094, 11-14=-184/2041, 10-14=-184/2041, 9-10=-184/2041, 1-15=-184/2041, 8-15=-184/2041, 8-16=417/3094, 16-17=-417/3094, 7-17=417/3094																								
WEBS	2-11=1046/272, 4-11=163/1278, 4-6=163/1278, 6-6=-1046/272																								

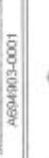
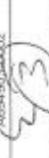
NOTES- (10-11)

- Wind: ASCE 7-05; 100mph; TCDL=5.0psf, BCDL=6.0psf, h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) 0-2-12 to 4-0-6, Interior(1) 4-0-6 to 15-2-6, Exterior(2) 15-2-6 to 19-0-0, Interior(1) 22-9-10 to 33-11-10 zone; can/lever left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- TCLL: ASCE 7-05; Pg= 80.0 psf (ground snow); Pf=61.8 psf (flat roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
- Unbalanced snow loads have been considered for this design.
- This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
- All plates are MT20 plates unless otherwise indicated.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 253 lb uplift at joint 1 and 253 lb uplift at joint 7.
- This truss is designed in accordance with the 2009 International Building Code section 2306.1 and referenced standard ANSI/TP1 1.
- Dimensions are in feet-inches-sixteenths
- Drawing prepared exclusively for manufacturing by Boise Cascade.

LOAD CASE(S)	Standard

 <p>68 Industrial Park Rd Saco Me, 04072</p> <p>Boise Cascade Building Materials Distribution Boise Structural Solutions</p>		<p>Job Name: TOWN OF MOULTONBOROUGH MOULTONBOROUGH, NH</p>	
<p>Prepared By:</p>		<p>Date Quoted:</p>	<p>Delivery Date:</p>
<p>Designed per: IBC2009/TPI2007 Code.</p>		<p>Last Revised:</p>	

<p>ROOF TRUSSES</p>		<p>Price Protected Until:</p>	
----------------------------	--	-------------------------------	--

PROFILE	LBL	Q'TY PLY	OVERALL LGTH	NET SPAN	PITCH TOP BOT	TYPE	SPC	OVERHANG LEFT	RIGHT	C	LOADING	CANTILEVER	BRG SIZE	
											U			
	001	24	38'-00"-00	36'-00"-00	6.00	0.00	FINK	16	00'-00"-00	00'-00"-00	P	61'-6-10'-0-10	LEFT	RIGHT
	002	3	38'-00"-00	38'-00"-00	6.00	0.00	GESI	16	00'-00"-00	00'-00"-00	P	61'-6-10'-0-10	LEFT	RIGHT
	003	1	226 lbs								Grnd Snow=80	01'-00"-00	01'-00"-00	00'-05"-08
											Grnd Snow=80	00'-06"-06	00'-06"-06	00'-05"-08
											Grnd Snow=80	00'-06"-06	00'-06"-06	00'-05"-08
											Grnd Snow=80	00'-06"-06	00'-06"-06	00'-05"-08

<p>Quote Source: VERBAL INFORMATION FROM CUSTOMER</p> <p>Job Notes To Customer: 36 X 34 BUILDING AT 16" O.C., 36'-0 SPAN</p>	<p>Plan Date: _____</p> <p>Special Instructions For Design: _____</p>	<p>SUB-TOTAL:</p>
		<p>DISCOUNTS:</p>
		<p>GRAND TOTAL:</p>

*** QUANTITY CHANGES WILL EFFECT PRICES* MAXIMUM UNLOADING TIME IS 1 HOUR*
 *** TRUSS SYMBOLS CONCEPTUAL ONLY NOT FOR DESIGN
 *** ALL TRUSSES ARE CUSTOM BUILT AND CANNOT BE RETURNED
 UNLESS SPECIFICALLY NOTED ON THIS QUOTE PRICE DOES NOT INCLUDE:
 TREATED LUMBER, SEALED LAYOUTS, BRACING AND / OR HANDLING DRAWINGS
 METAL HARDWARE, ENGINEERED LUMBER (LVL-JOISTS, ETC.)

POSTED ROADS, POSTED ROADS!!!! THE SPRING CHALLENGE IN
 MAINE AND NEW HAMPSHIRE! BEWARE DELIVERIES COULD BE
 AFFECTED

NSF Certification

The Clivus Model M12 is certified by the National Sanitation Foundation under Standard 41 (day-use, park).

Capacity

M12 VOLUME

Solids storage capacity: 132 cubic feet; 987 US gallons

Daily capacity at average temp. >65°F: 80 visits

Annual capacity at average temp. >65°F: 30,000 visits

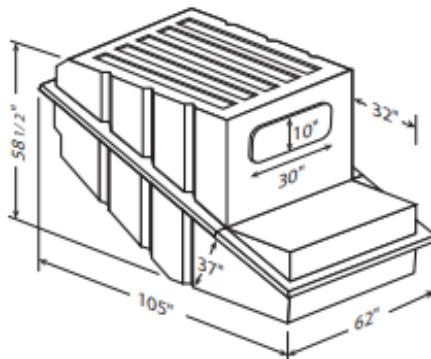


Figure 1. | M12 Composter

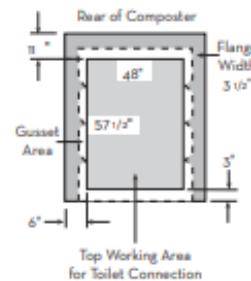


Figure 2. | M12 Composter, Top View

Specifications and Materials

DIMENSIONS

Installation: Length: 105"; Width: 62"; Height: 58.5"

Weight: 365 lbs

Working Area on Top of Composter: 48"x57.5"

Waste Access Door: 10"x30" (composter front)

Compost Access Lid: 32"x62" (composter front)

Polyethylene Wall Thickness: 0.375" nominal

MATERIALS

The M12 Composter is rotationally molded high-density linear polyethylene resin that conforms with the following specifications:

- Density (ASTM TEST 4883): 0.942 g/cm³
- Tensile Strength at Yield (ASTM D 638): 2,950 psi
- Dart Impact (-40°C, 250 mils thickness): 108 ft-lbs
- Envt. Stress Crack Resistance, 100% Igepal (D1693): 550 hrs

VENTILATION

AC: 120V, 60 Hz, 71W, .67 amp fan with 264 cfm at free air. Fan made of GE Noryl plastic, totally enclosed, ball-bearing motor, in-line, direct drive. UL & CSA approved. Energy Star rated. Diameter: 11.75"; Inlet/Outlet Diameter: 6"; Length: 9.625". The fan is mounted in-line near the composter, with 4" PVC or ABS ducting (not included). 12V DC available.

LIQUID REMOVAL PUMP

AC: Submersible, 115V, 5 amp, with 18', 3-conductor, oil-resistant cord. UL & CSA approved. 1" NPT liquid discharge outlet. Capacity is 20.4 gallons per minute at 1' with a maximum pumping height of 26.3'. 12V DC available.

TANK ALARM

Automatic tank alarm responds to liquid level and air flow sensors.

AC: 120 VAC, 50/60 Hz, 7 watts max. Alarm Horn: 82 decibels at 10 feet; meets Type 3R water-tight standard as installed by factory. Alarm Beacon: meets Type 3R water-tight standard as installed by factory. CSA certified.

AUTOMATIC MOISTENING SYSTEM

An automatic control device monitors daily compost mass moistening. Timer is housed in water-resistant NEMA box. Spray time is preset at factory.

Components

Solenoid: 120VAC, 50/60Hz, UL & CSA listed.

Timer: Synchronous motor, 48 max. on-off cycles, 120VAC, 0.1 watts. 12V DC available.

COMPOSTER WOOD SUPPORT CRADLE KIT

Supports the M12 Composter. Made from pressure treated lumber.

TOILET OPTIONS

Waterless Toilet

Waterless toilets constructed of impact resistant fiberglass with sanitary white finish. Seat and lid are made of plastic; the liner is rotationally molded polyethylene. The toilet must be located directly over the composter, which is situated in a space or room below. The toilet is connected with a 14" diameter straight chute.

Toilet Height: Standard: 14"; ADA Compliant: 18"

Width: 18.5"; Length: 24.25"

Foam-flush Toilet

The Foam-flush toilet is constructed of vitreous ceramic. The seat and lid are made of plastic. The toilet connects to the composting unit with a 4" plastic pipe. The drain may slope up to 45 degrees from vertical. A water connection and a power connection (AC) are required.

Toilet height: Standard: 16"; ADA compliant: 17.5"

Width: 15"; Length: 29"



AC Liquid Removal System

Specification Sheet

Purpose

The Clivus AL101, AC Liquid Removal System, is designed to automatically keep the contents of the compost tank free of liquid end-product in situations where traditional AC electric service is available. This provides the best environment for decomposition to take place.

Operation

The Clivus AC Liquid Removal System consists of a pump and float switch, pump isolation chamber (PIC) with screened inlet, double union ball check valve and tank adapter.

The pump and float switch are housed in the PIC to keep them free of compost debris. They are wired through the wall of the composter to an AC power source.

The liquid end-product enters the bottom of the PIC. When sufficient liquid has accumulated, the float switch engages and activates the pump. The liquid is pumped out via the drain line and thru-hull fitting to the appropriate distribution site or auxiliary storage vessel. The check valve prevents liquid from siphoning back into the composter.

Specifications and Materials

COMPONENTS

AC pump: 115V, 5 amps, 60 Hz, single phase, 20.8 gal/min at full flow

Float switch: 115V, 10 amps, 1/3 hp

Drain line: 1" PVC or ABS

Installation

1. Position pump assembly in the front-left or front-right corner of composter, on the side closest to external drain line.
2. Mount ball check-valve above pump chamber lid. Plumb to drain line, exiting through side wall of composter.
3. Bring pump and float switch power lines through chamber lid and through a grommet.

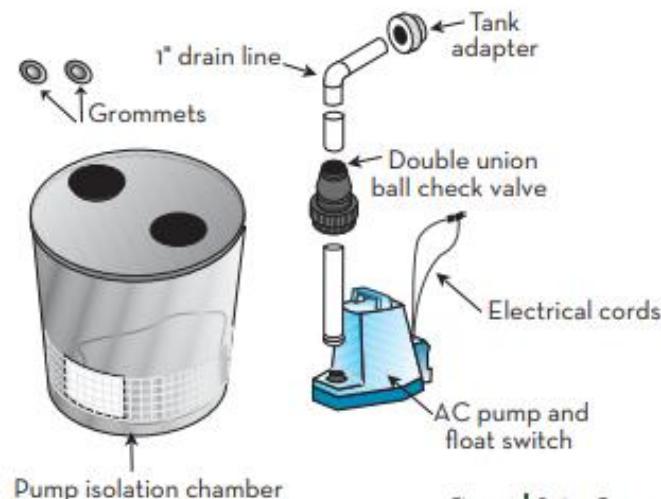


Figure 1. | System Components

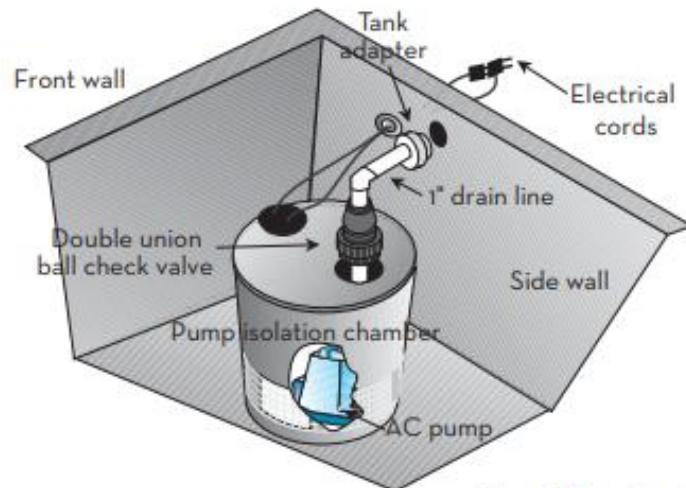


Figure 2. | System Assembly

Fit grommet into lid. Pass power lines through the second grommet, then through composter side wall. Fit grommet into hole in side wall.

Industrial

5-MSP Series



Applications

- For commercial, industrial, and home applications where water must be transferred or recirculated

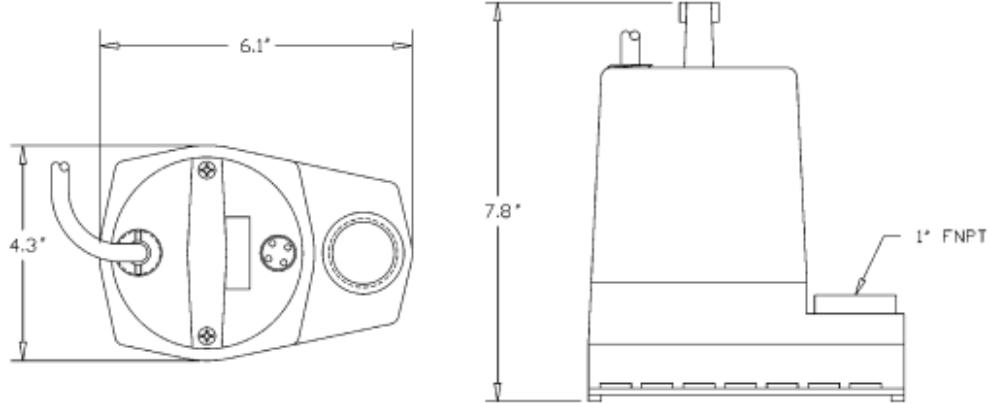
Features

- 1/6 hp oil-filled motor
- Epoxy-coated die cast aluminum housing
- 1" FNPT discharge
- Screened intake
- Intermittent liquid temperate up to 120 °F
- Thermal overload protection
- 26.3' maximum lift
- For submersible use only

Construction

- Housing – Epoxy-coated cast aluminum
- Cover – Epoxy-coated cast aluminum
- Volute – Nylon
- Impeller – Nylon
- Shaft Seal – Fluoroelastomer (FKM)
- Screen – Nylon

Engineering Data



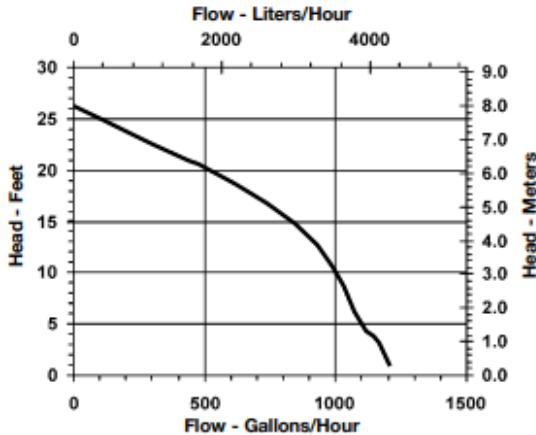
Specifications

Item No.	Model No.	Listing(s)	HP	Volts	Hz	Amps	Watts	Discharge	Performance (GPH @ Head)					Shut Off	Cord Length (ft)	Weight (lbs)	Dimensions H x L x W (in)	
									1'	3'	5'	10'	20'	Ft	PSI			
505000	5-MSP	cCSAus	1/6	115	60	5.0	380	1" FNPT	1200	1170	1100	1000	520	26.3	11.4	10	8.25	7.8" x 6.1" x 4.3"
505176	5-MSP	cCSAus	1/6	115	60	5.0	380	1" FNPT	1200	1170	1100	1000	520	26.3	11.4	18	8.50	7.8" x 6.1" x 4.3"
505025	5-MSP	cCSAus	1/6	115	60	5.0	380	1" FNPT	1200	1170	1100	1000	520	26.3	11.4	25	8.75	7.8" x 6.1" x 4.3"
505500	5-MSP	—	1/6	127	60	5.8	380	1" FNPT	1200	1170	1100	1000	520	26.3	11.4	10	8.25	7.8" x 6.1" x 4.3"
505501	5-MSP	—	1/6	127	60	5.8	380	1" FNPT	1200	1170	1100	1000	520	26.3	11.4	18	8.50	7.8" x 6.1" x 4.3"
505202	5-MSP	—	1/6	230	60	2.5	380	1" FNPT	1200	1170	1100	1000	520	26.3	11.4	12	8.25	7.8" x 6.1" x 4.3"

Replacement Parts

Volute	105375
Screen	105376
Impeller	105310
Handle	105918
Adapter (GH)	599030
Seal Ring (volute)	928024

Performance Data



P.O. Box 12010
Oklahoma City, OK 73157-2010
Phone: 1.800.701.7894
Fax: 1.800.678.7867
www.LittleGiantPump.com

Form 995117 — 01/13

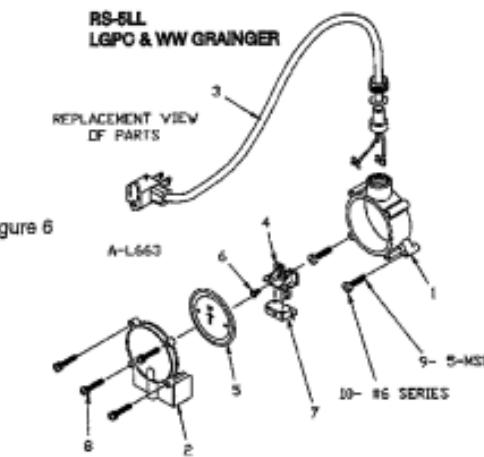


Figure 6

REPLACEMENT PARTS • PIÈCES DE RECHANGE • LISTA DE PARTES			
ITEM	P/N	DESCRIPTION • NOMENCLATURE • DESCRIPCIÓN	QTY.
1	105902	Switch Housing/Boîtier du contacteur/Caja del interruptor	1
2	105903	Switch Housing Cover/Couvercle, Boîtier du contacteur/Cubierta de la caja del interruptor	1
3	951080	Wiring Harness/Faisceau de câblage/Conjunto de cables (18' 115V)	1
3	951086	Wiring Harness/Faisceau de câblage/Conjunto de cables (28' 115V)	1
4	108202	Bracket/Patte D'attache/Soporte	1
5	108125	Diaphragm Assembly/L'assemblée de Diaphragme/La Asamblea de Diafragma	1
6	902404	Screw/Vis/Tornillo, #8 x 3/8"	1
7	950324	Switch/contacteur/interruptor	1
8	902512	Screw/Vis/Tornillo, #10 x 3/4"	4
9	902513	Screws/Vis/Tornillo #10 x 1-1/8"	2
10	901513	Screws/Vis/Tornillo #10 x 1"	2
11	960803	Ty-Wrap Nylon Fastener*/Attache en Nylon*/Abrazadera de Nylon*	2

*Not shown/Non illustré/No se muestra.

TROUBLESHOOTING • INFORMATION SUR LA RELÈVE DES DÉRANGEMENTS • INFORMACION DE INVESTIGACION DE AVERIAS

PROBLEM • Fonctionnement défectueux • PROBLEMA	PROBABLE CAUSES • Causes probables • CAUSAS PROBABLES	CORRECTIVE ACTIONS • SOLUTIONS • SOLUCION
Pump does not start off. NOTE: Before troubleshooting automatic control, check to see if the pump operates on manual control. If so, create a slight vacuum on breather tube (near plug), then close off tube with thumb, plug into wall outlet. If pump works, proceed to check switch; if not, fault is in pump or power supply.	Diaphragm failed. • C'est le commutateur de diaphragme. • Interruptor del diafragma. Weak or hardened rubber diaphragm. • Le caoutchouc de diaphragme est faible ou dur. • Diaphragma de caucho debilitado o endurecido. Plugged vent tube. • Le tuyau de purge est bouché. • Tubería de expulsión estancada. Dirt or sediment lodged between retaining ring and rubber diaphragm causing contact to remain closed. • Bous or restos legos entre la junta y el diafragma de diaphragma impiden los contactos de abrir. • El suelo o sedimento atrapado entre el anillo de retención y el diafragma de caucho causa que los contactos permanezcan cerrados.	Replace switch. • Remplacer le commutateur. • Cambiar el interruptor. Replace rubber diaphragm. • Remplacer le caoutchouc du diaphragme. • Cambiar el diafragma de caucho. Clear vent tube of any obstruction. • Nettoyer le tuyau de purge. • Despeje el tubo de expulsión de cualquier obstrucción. Clean area around rubber diaphragm. • Nettoyer la ceinture de caoutchouc du diaphragme. • Limpie el área que rodea el diafragma de caucho.
The motor of the pump does not start. NOTE: Avoid de-energizing the command automatic, to assure that the pump functions under manual control. Prior to this, enter a bubble into the tube vented (prior to the plug), then turn the tube with the pump, proceed to check switch; if not, fault is in pump or power supply.		Shut power off for approximately 1 minute, then restart. Repeat several times to clear air from pump. If system includes a check valve, a 3/16" hole should be drilled in discharge pipe approximately 2" above discharge connections. • Couper le courant pendant 1 minute environ puis rebrancher. Répéter cette opération plusieurs fois pour évacuer l'air de la pompe. S'il y a une soupape d'arrêt, percer un trou de 3/16 po dans tuyau d'évacuation, à environ 2 po au-dessus des connexions d'évacuation. • Desconecte la electricidad durante un minuto, aproximadamente. Luego, vuelvala a conectar. Repita varias veces, para purgar el aire de la bomba. Si el sistema tiene un válvula de retención, debe perforarse un orificio de ventilación en el tubo de descarga, aproximadamente 2 pulgadas por encima de las conexiones de descarga.
The motor of the pump does not start. NOTE: Avoid de-energizing the command automatic, to assure that the pump functions under manual control. Prior to this, enter a bubble into the tube vented (prior to the plug), then turn the tube with the pump, proceed to check switch; if not, fault is in pump or power supply.		
The pump does not start. NOTE: Avoid de-energizing the command automatic, to assure that the pump functions under manual control. Prior to this, enter a bubble into the tube vented (prior to the plug), then turn the tube with the pump, proceed to check switch; if not, fault is in pump or power supply.		
The pump does not start. • Pump is not drawing liquid.	Low air intake matches pump capacity. • Réflux de liquide correspondant au volume de la pompe. • El caudal que entra es igual a la capacidad de la bomba.	Large pump required. • Une pompe plus puissante est nécessaire. • Se requiere una bomba mayor.
The pump does not start. • Pump is not drawing liquid.	Unstable switch. • Commutateur instable. • Interruptor defectuoso	Disconnect switch, check resistance, close-closed. • Débrancher le interrupteur, vérifier avec un ohmmètre. Ouvrir-résistance instable, fermé-cerrado. • Desconecte el interruptor e inspeccione con el ohmmetro: abierto, resistencia inferior; cerrado, cero.
The pump does not start. • Pump is not drawing liquid.	Loose connection in level control wiring. • Connexion des fils électriques du niveau de contrôle dé松散. • Conexiones flojas en los cables del regulador de nivel.	Check control wiring. • Vérifier le circuit électrique. • Inspeccione los cables del regulador.
The pump does not start. • Pump is not drawing liquid.	Check valve installed backwards. • Montage à l'envers de la soupape d'arrêt. • Válvula de retención montada u oculta.	Check valve indicating arrow on check valve body to insure it is installed properly. • Vérifier la flèche indiquant l'écoulement pour s'assurer que la soupape d'arrêt est bien montée. • Inspeccione la flecha indicadora del flujo en el cuerpo de la válvula de retención, para cerciorarse de que se encuentra instalada correctamente.
The pump does not start. • Pump is not drawing liquid.	Check valve stuck or plugged. • Soupape d'arrêt bloquée ou obstruée. • Válvula de retención atascada o obstruida.	Remove check valve and inspect for proper operation. • Désassembler et vérifier la soupape d'arrêt pour un bon fonctionnement. • Quite la válvula de retención, y verifique que funcione debidamente.
The pump does not start. • Pump is not drawing liquid.	Impellor too high for pump. • Aspiration trop puissante pour la pompe. • Altura de impulsión excesiva para la bomba.	Check rating table. • Vérifier le tableau d'évaluation. • Estudie la tabla de capacidad.
The pump does not start. • Pump is not drawing liquid.	Impellor or discharge pipe is clogged. • Obstruction de la roue à aubes ou du tuyau d'écoulement. • La rueda móvil en el tubo de descarga está obstruida.	Pull pump and clean. • Tirer la pompe pour la nettoyer. • Saque la bomba y limpíela.
The pump does not start. • Pump is not drawing liquid.	Impellor wear due to abrasion. • Usure de la roue à aubes due aux abrasifs. • Desgaste de la rueda móvil, debido a abrasivos.	[See corrective action above.] • [Voir ci-dessus la solution.] • [Consulte a la solución anterior.]
The pump does not start. • Pump is not drawing liquid.	Impellor wear due to abrasion. • Usure de la roue à aubes due aux abrasifs. • Desgaste de la rueda móvil, debido a abrasivos.	Check rated pump performance. • Vérifiez les caractéristiques techniques de la pompe. • Verifique el rendimiento normal de la bomba.
The pump does not start. • Pump is not drawing liquid.	Low voltage, speed too slow. • Voltage et vitesse pas assez puissants. • Voltage demasiado bajo, velocidad demasiado baja.	Check for proper supply voltage to make certain it corresponds to nameplate voltage. • S'assurer que le voltage correspond bien à celui mentionné sur la plaque. • Verifique que el suministro de electricidad sea adecuado, para cerciorarse de que corresponde al voltage indicado en la placa del fabricante.
The pump does not start. • Pump is not drawing liquid.	Impellor or discharge pipe is clogged. • Obstruction de la roue à aubes ou du tuyau d'écoulement. • La rueda móvil en el tubo de descarga está obstruida.	Pull pump and clean. • Tirer la pompe pour la nettoyer. Verifier la présence de débris ou de corrosion dans les tuyaux. • Saque la bomba y limpíela. Inspeccione el tubo, en busca de capas de óxido o corrosión.
The pump does not start. • Pump is not drawing liquid.	Impellor wear due to abrasion. • Usure de la roue à aubes due aux abrasifs. • Desgaste de la rueda móvil, debido a abrasivos.	Replace worn impellor. • Remplacez la roue à aubes usée. • Cambie la rueda móvil gastada.
The pump cycles continually. • La pompe redémarre son cycle sans s'arrêter.	No check valve in long discharge pipe allowing liquid to drain back into sump. • Absence de soupape d'arrêt dans le grand tuyau d'évacuation autorisant l'évacuation du liquide dans le bac de réception. • Falta de válvula de retención en el tubo de descarga largo, lo cual permite que el líquido regrese a la sonda.	Install a check valve in discharge line. • Installer une soupape d'arrêt sur le tuyau d'évacuation. • Instale una válvula de retención en la tubería de descarga.
The pump cycles continually. • La bomba se enciende y apaga continuamente.	Check valve leaking. • Fuite à la soupape d'arrêt. • Escapa en la válvula de retención.	Inspect check valve for correct operation. • Vérifier la soupape d'arrêt pour obtenir un bon fonctionnement. • Verifique que la válvula de retención funcione correctamente.
The pump cycles continually. • La bomba se enciende y apaga continuamente.	Basin too small for float. • Bassin de réception trop petit pour l'flot. • El fondo del sumidero es muy pequeño o está inundado.	Install larger basin. • Installer une bassin de réception plus grand. • Instale un sumidero con un fondo mayor.

LIMITED WARRANTY

Your Little Giant product is guaranteed to be in perfect condition when it leaves our Factory. It is warranted against defective materials and workmanship for a period of 12 months (90 day warranty on Models: 1-AA-OM, GKPK-SC, PP-1, PPS-1, PP-12, PPS-12, PP-230 and Cooler King) from date of purchase by the user. No warranty on brush wear in Model 35-OM and Impeller or cam in Models PP-1, PP-12, and PP-230. Any product that should fail for either of the above two reasons and is still within the warranty period will be repaired or replaced at the option of Little Giant as the sole remedy of buyer. For our customers in the CONTINENTAL UNITED STATES: Please return the defective unit, postage paid, to the factory at 301 N. MacArthur, Oklahoma City, OK 73127-6616. All defective product returned under warranty will be fully inspected to determine the cause of failure before warranty is approved. For our customers located elsewhere; it is not economical, due to duties and freight, to return the pump to the factory for inspection. Please return the defective unit to any authorized distributor or dealer with a brief written explanation of the problem. If there are no apparent signs of customer abuse, unit will be repaired or replaced. If dispute arises over replacement of the pump, the distributor or dealer is to segregate such items and hold for inspection by a representative of Little Giant Pump Company or notify factory with details of the problem for factory disposition and settlement of warranty claim.

DISCLAIMER: THE FOREGOING WARRANTY IS AN EXCLUSIVE WARRANTY IN LIEU OF ANY OTHER EXPRESS WARRANTIES, ANY IMPLIED WARRANTIES (INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) TO THE EXTENT EITHER APPLIES TO A PUMP SHALL BE LIMITED IN DURATION TO THE PERIODS OF THE EXPRESS WARRANTIES GIVEN ABOVE. Warranty will be VOID if any of the following conditions are found:

1. Sealed motor housing opened
2. Product connected to voltage other than indicated on nameplate
3. Cord cut off to a length less than three feet
4. Pump allowed to operate dry (fluid supply cut off)
5. Pump used to circulate anything other than fresh water, light oils, or other mild liquids at approximately room temperature
6. Product abuse by customer

Any oral statements about the product made by the seller, the manufacturer, the representatives or any other parties, do not constitute warranties, shall not be relied upon by the user and are not part of the contract for sale. Seller's and manufacturer's only obligation, and buyer's only remedy, shall be the replacement and/or repair by the manufacturer of the product as described above. NEITHER SELLER NOR THE MANUFACTURER SHALL BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE, DIRECT, INCIDENTAL OR CONSEQUENTIAL (INCLUDING, BUT NOT LIMITED TO INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY, OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS), ARISING OUT OF THE USE OR THE INABILITY TO USE THE PRODUCT AND THE USER AGREES THAT NO OTHER REMEDY SHALL BE AVAILABLE TO IT. Before using, the user shall determine the suitability of the product for the intended use, and user assumes all risk and liability whatsoever in connection therewith.

Some states and countries do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state and country to country.

The National Electric Code (in the USA) and similar codes in other countries require a Ground Fault Circuit Interrupter (GFCI) to be installed in the branch circuit supplying fountain equipment rated above 15 volts, 115 volt GFCI's (with various cord lengths) are in stock, and we recommend each pump be used with a GFCI.

GARANTIE LIMITÉE

La présente garantie que votre pompe Little Giant est en parfaite condition à sa sortie de l'usine. La pompe est garantie contre tout défaut de matériau ou de fabrication pendant une période de 12 mois (90 jours pour les Modèles: 1-AA-OM, GKPK-SC, PP-1, PPS-1, PP-12, PPS-12, PP-230 et Cooler King) à partir de la date d'achat initial. L'usure des bâtons sur le modèle 35-OM ainsi que les dommages au rotor ou à la came sur les modèles PP-1, PP-12 et PP-230 ne sont pas couverts par la présente garantie. Tout produit encore garantit qui serait défectueux pour l'une des deux raisons sus-mentionnées sera réparé ou remplacé à la discrétion du fabricant. L'acheteur n'aura pas d'autre recours. Pour nos clients aux ÉTATS-UNIS (territoire continental seulement) : Veuillez retourner l'article défectueux suffisamment affranchi à l'usine à l'adresse suivante : 301 N. MacArthur Blvd., Oklahoma City, OK 73127-6616. Tous les produits garantis retournés feront l'objet d'une inspection détaillée afin de déterminer si la défectuosité est couverte par la garantie. Pour les clients à l'extérieur des États-Unis : éteignez donc les frais de douane et de transport. Il n'est pas économique de retourner la pompe à l'usine pour inspection. Expédier la pompe ainsi qu'une brève description du problème à tout distributeur ou détaillant autorisé. Si elle ne présente aucun signe apparent d'une mauvaise utilisation, elle sera remplacée ou réparée. S'il y a conflit sur la nécessité de remplacer la pompe, le distributeur ou le détaillant devra garder celle-ci et, soit la fera inspecter par un représentant de Little Giant Pump Company, soit avertira l'usine du problème afin de connaître la décision de celle-ci et le règlement de la réclamation.

DÉNÉGATION : LA GARANTIE ÉNONCÉE DANS LES PRÉSENTES EST EXCLUSIVE ET REMPLACE TOUTE AUTRE GARANTIE EXPRESSE OU IMPLICITE; CELA COMporte, MAIS NON EXCLUSIVEMENT, TOUTE GARANTIE IMPLICITE D'APTITUDE À LA COMMERCIALISATION OU D'APTITUDE PARTICULIÈRE, POUVANT S'APPLIQUER À UNE POMPE LITTLE GIANT. DE PLUS, ELLE NE S'APPLIQUE QUE DURANT LA PÉRIODE DE COUVERTURE PRÉCISEE CI-DESSAVANT. La présente garantie sera ANNULÉE si :

1. Le boîtier scellé du moteur a été ouvert
2. Le branchement à une tension autre que celle indiquée sur la plaque du fabricant a été effectué
3. Le fil d'alimentation a été coupé à une longueur inférieure à 0,91 m (trois pieds)
4. La pompe a tourné à vide (l'alimentation en liquide a été coupée)
5. La pompe a été utilisée pour faire circuler des liquides autres que de l'eau fraîche, des huiles légères ou d'autres liquides non corrosifs et ce, à la température ambiante
6. La pompe a été mal utilisée

Toute déclaration sur la pompe faite seulement par le vendeur, le fabricant, le représentant ou par toute autre partie ne constitue pas une garantie et, par conséquent, ne peut servir à l'utilisateur. De plus, une telle déclaration ne peut, en aucun cas, faire partie du contrat de vente. L'unique obligation du vendeur et du fabricant, et l'unique recours de l'acheteur, est la remplacement ou la réparation de la pompe selon les modalités décrites précédemment. NI LE VENDEUR NI LE FABRICANT NE PEUVENT ÊTRE TENUS RESPONSABLES DE TOUTE BLESSURE, TOUTE PERTE, OU TOUT DOMMAGE DIRECT, INDIRECT OU ACCESSOIRE (INCLANT, MAIS NON EXCLUSIVEMENT, LES VENTES OU PROFITS PERDUS, LES ATTEINTES AUX PERSONNES OU À LA PROPRIÉTÉ OU TOUTE AUTRE Perte INDIRECTE OU ACCESSOIRE) RÉSULTANT DE L'UTILISATION OU DE L'INCAPACITÉ D'UTILISATION DE LA POMPE, ET L'ACHETEUR CONVENT QU'IL NE DISPOSE D'AUCUN AUTRE RECOURS. L'acheteur doit s'assurer que la pompe convient à l'usage projeté; il assume aussi tout risque et toute responsabilité relativement à cet usage.

Certaines juridictions ne permettent pas la limitation de la durée d'une garantie ou l'exclusion ou la limitation de responsabilité pour des dommages indirects ou accessoires. Par conséquent, il est possible que la limitation ou l'exclusion indiquée précédemment ne puisse pas être applicable. Cette garantie vous donne des droits particuliers et peut-être d'autres, dépendamment des juridictions en vigueur.

Le code national de l'électricité et autres codes similaires d'autres pays exigent l'installation d'un interrupteur avec mise à la terre (GFI) sur le circuit d'alimentation de la fontaine pour toute installation dont la tension est supérieure à 15 volts. Nous offrons de tels interrupteurs (avec différentes longueurs de fil) et nous recommandons que chaque pompe soit reliée à un interrupteur de ce type.

GARANTIA LIMITADA

El producto que Little Giant le ofrece está garantizado a estar en perfectas condiciones al momento de salir de la fábrica. El producto está garantizado contra materiales y fabricación defectuosa por un período de 12 meses (una garantía de 90 días para los Modelos: 1-AA-OM, GKPK-SC, PP-1, PPS-1, PP-12, PP-230 y Cooler King) desde la fecha en la cual fue comprado por el usuario. No hay garantía contra el gasto del cepillo del Modelo 35-OM y impulsor o cam en los Modelos PP-1, PP-12 y PP-230.

Cualquier producto que falle por alguna de las dos razones anteriores y que esté dentro del período de garantía será reparado o reemplazado a opción de Little Giant y ésta será el único remedio del comprador. Para nuestros clientes en los ESTADOS UNIDOS CONTINENTALES: Por favor, devolver la unidad defectuosa, con el porte pagado, a la fábrica en P. O. Box 12010, Oklahoma City, OK 73127-6616. Todo producto defectuoso devuelto bajo la garantía será cuidadosamente inspeccionado para determinar la causa de la falla antes de aprobar la garantía. Para nuestros clientes ubicados en otros lugares; no es económico devolver la bomba a la fábrica para que ésta sea inspeccionada, debido a los impuestos y al flete. Por favor, devuelva la unidad defectuosa a cualquier distribuidor o vendedor autorizado con una breve explicación por escrito del problema. Si no existen señales aparentes de abuso por parte del cliente, la unidad será reemplazada o reparada. Si se produce una disputa sobre el reemplazo de la bomba, el distribuidor o vendedor debe separar los artículos y reteners para que sean inspeccionados por un representante de Little Giant Pump Company o avisarse a la fábrica de los detalles del problema para que la fábrica disponga de las acciones necesarias y resuelva el reclamo de la garantía.

DESAUTORIZACION: LA GARANTIA ANTERIOR ES UNA GARANTIA EXCLUSIVA EN LUGAR DE CUALQUIER OTRA GARANTIA EXPRESA, CUALQUIER GARANTIA IMPLICADA (INCLUYENDO PERO NO LIMITADO A CUALQUIER GARANTIA IMPLICADA DE COMERCIALIZACION O APTITUD PARA PROPOSITO PARTICULAR) EN LA MEDIDA EN QUE SE PUEDE APLICAR A UNA BOMBA. QUEDARA LIMITADA EN DURACION A LOS PERIODOS DE GARANTIAS PROPORCIONADOS ANTERIORMENTE.

La garantía será declarada NULA si se encuentran cualesquier de las siguientes condiciones:

1. El alojamiento sellado del motor abierto
2. El producto conectado a un voltaje que no es el indicado en la placa principal
3. El cable cortado a menos de tres pies (0,91 m.)
4. Se permitió que la bomba operara en seco (arrivo de fluido cortado)
5. La bomba empleada para hacer circular otra sustancia que no sea agua fresca, aceites líquidos u otros líquidos tóxicos/proximamente a temperatura ambiente
6. Abuso del producto por parte del cliente</



M12

Installation Manual

Clivus Multrum, Inc.
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Lawrence, MA 01840

Distributed by:
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A Maintenance Manual is available from your local Clivus Multrum representative.

Introduction

Welcome

Congratulations on your purchase of a Clivus Multrum Composting Toilet System. You have purchased a system that represents the leading edge in composting technology today. Clivus composters are manufactured to be efficient, durable and easy to maintain. With proper installation and regular maintenance the Clivus composter will give you years of trouble-free service.

The M12 Composter can be installed by anyone with basic carpentry skills. However, it is recommended that the services of a licensed plumber and electrician be obtained, as required by state or local codes, for plumbing and electrical hook-ups. The basic tools and materials required are listed in the instructions. The average installation time is approximately 40 worker-hours for each M12 unit.

If you have any questions, please contact your local representative or Clivus Multrum, Inc.

Before Starting

Read all instructions before assembly.

Clivus recommends that two people work together when installing the composter portion of this system.

Receiving the Shipment

Check for Damage

Examine the Clivus composter and its contents carefully for evidence of damage or rough handling.

Minor Damage: Do not sign the shipping receipt until the carrier has noted the damage on the Bill of Lading.

Significant damage: DO NOT SIGN the shipping receipt. Refuse the shipment and immediately call Clivus Multrum, Inc. at 1-800-425-4887.

Check Parts Immediately

Most of the Clivus system components are packed inside the composter for shipping. If the shipment is accepted, immediately cut the strapping, open the package, and remove the components packed inside.

Check item numbers on kit boxes against the packing list, but do not open individual kits until needed for assembly. Identify the parts and check them against the packing list. Damage, shortages, and discrepancies must be reported to your local authorized representative or Clivus Multrum, Inc. within 5 working days. **If the composter will not be installed immediately, secure all components in a safe location which is protected from the weather.**

FOR REPLACEMENT CLAIMS, CLIVUS MULTRUM®, INC. MUST BE NOTIFIED OF ANY CONCEALED DAMAGE OR MISSING PARTS WITHIN 5 WORKING DAYS FROM RECEIPT OF GOODS. AFTER THIS PERIOD, ANY ADDITIONAL PARTS REQUIRED MUST BE PURCHASED AT THE CUSTOMER'S EXPENSE.

Materials

An installation kit is provided with each composter that includes sealant, pine shavings, screws, nuts and washers. You will also need to obtain the following materials locally:

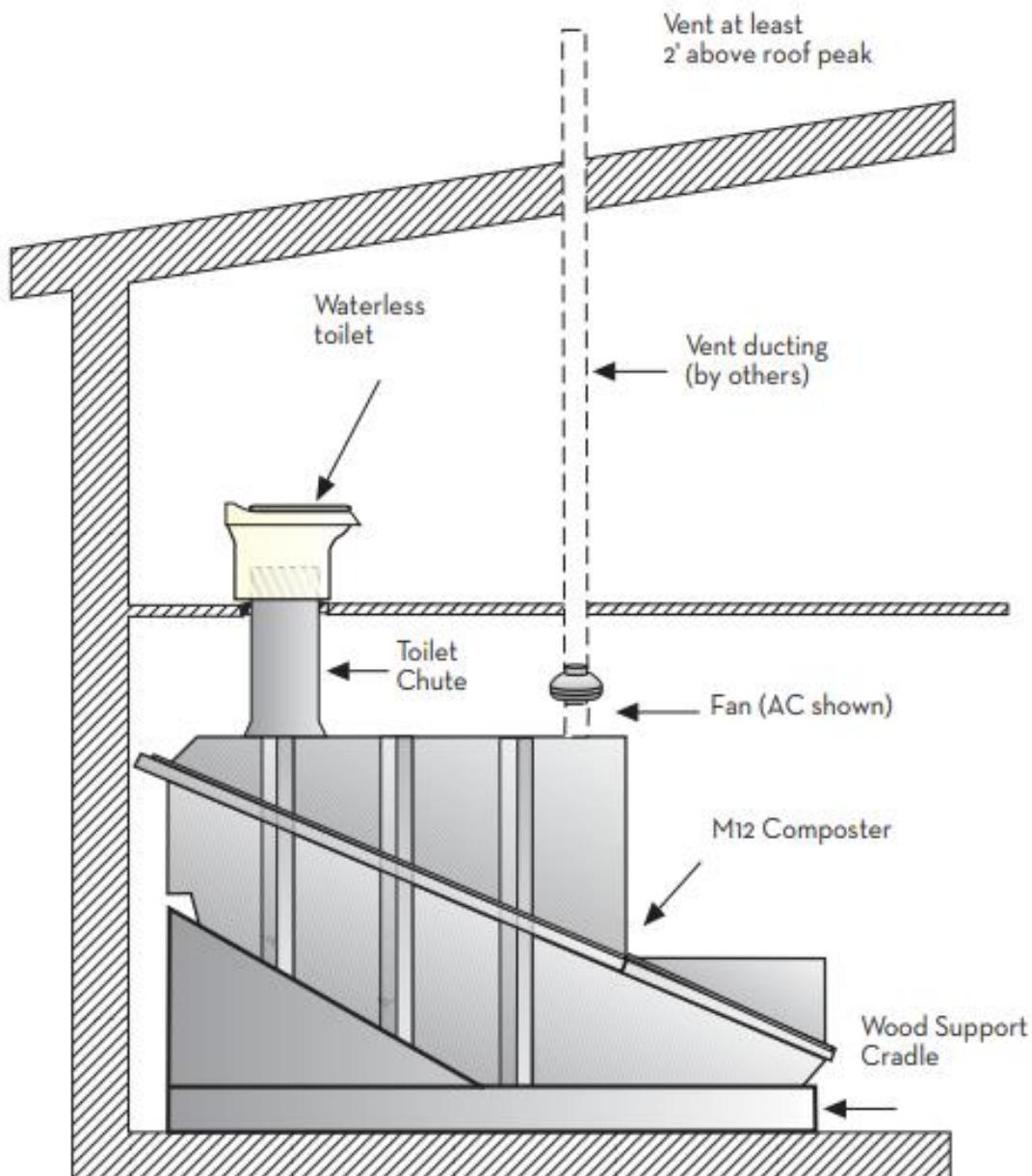
- PVC electrical junction boxes, electrical wiring and all other necessary electrical connections supplied by installing electrician.
- All necessary plumbing connections supplied by installing plumber.
- 3" galvanized nails
- 4" Schedule 40 plastic pipe for vent system

Tools

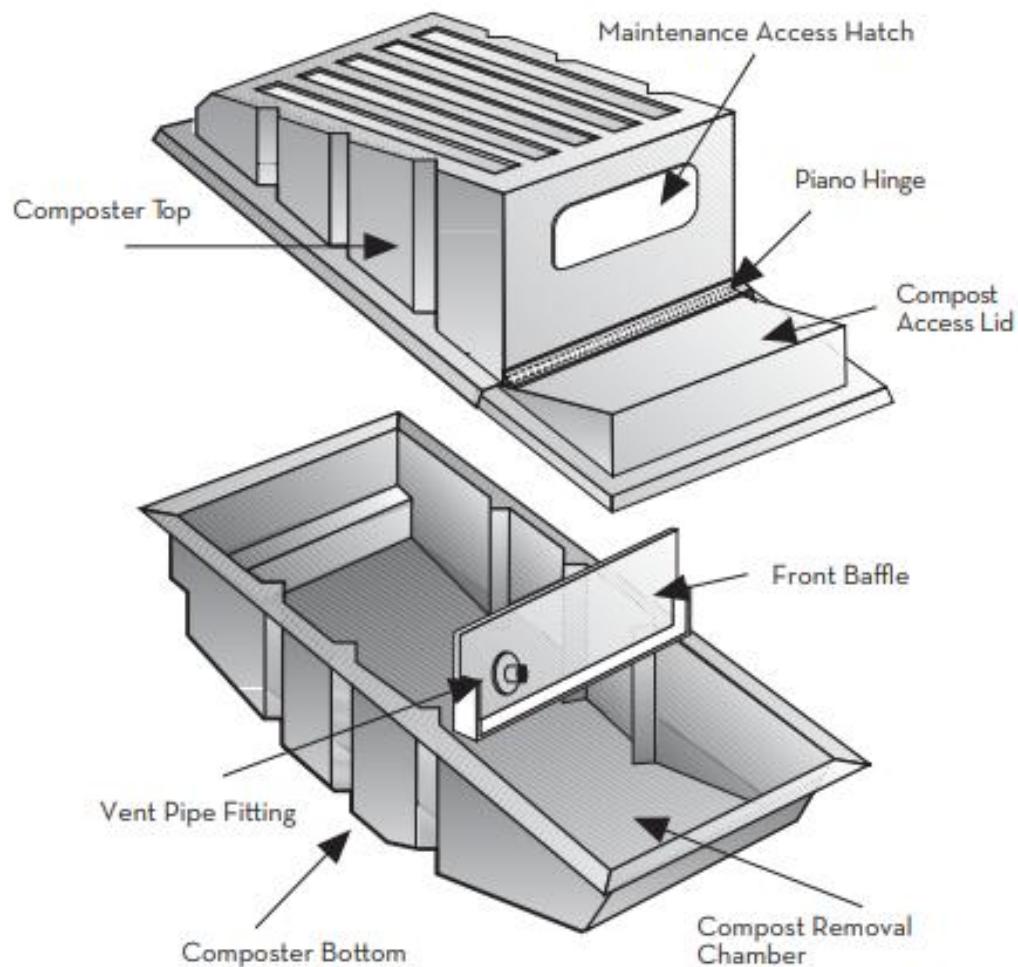
hammer
plumb bob
square
standard & Phillips screwdrivers
compass
hand saw
adjustable hole saw
caulking gun
two wrenches 7/16"
level
drill bits (1/8", 3/16", 5/16")
drill
tape measure
jig saw, reciprocating saw
metal & wood-cutting saw blades

KEEP THIS MANUAL HANDY FOR FUTURE REFERENCE OR SERVICE.

Typical Configuration



Exploded View



Installation and Assembly Instructions

Composter Support Cradle

Materials List

2-2X6X92 1/2 (Part A)

1-2X6X54 (Part B)

1-rear support

1-angled support

2-plywood triangle

3" decking screws

2" decking screws

Rear Support

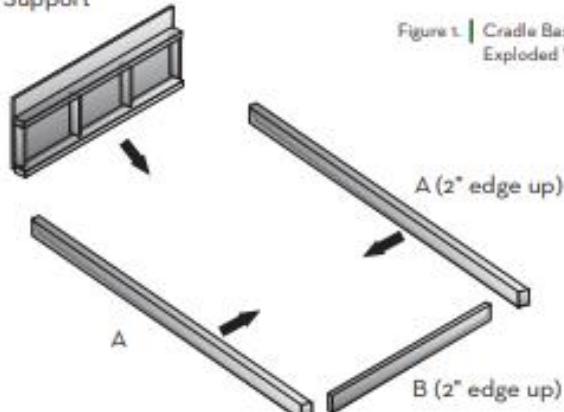


Figure 1. | Cradle Base Exploded View

1. Construct base rectangle: screw Rear Support inside 2X6's (Part A) with screws in each corner. Screw short 2x6 (Part B) inside parts A with screws in each corner.

2. Place notched end of angled support on top edge of rear support and screw through the 1/2" plywood into each 2X6.

3. Screw through the 2x6 into the bottom of the Angled Support on both sides.

4. Set plywood triangle on 2X6 and attach using 2" screws.

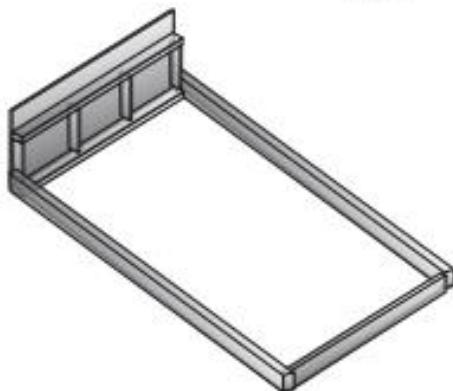


Figure 2. | Constructed Base

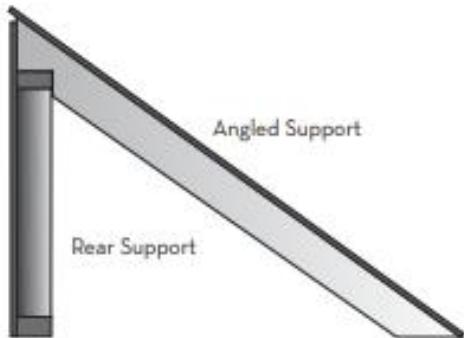


Figure 3. | Cradle, Side View

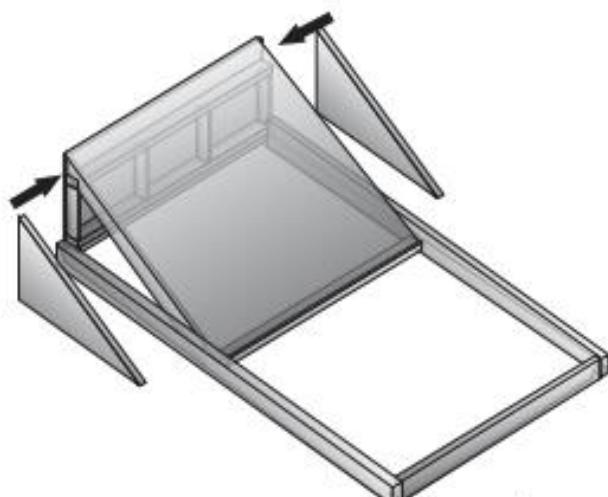


Figure 4. | Attaching Side Triangles

Installation and Assembly Instructions (continued)

Composter Assembly

1. Place front baffle into position, flange forward, and loosely attach using a bolt, nut and two washers (1 inside and 1 outside) in each of the three holes per side.
2. Apply a liberal bead of sealant between baffle flange and tank sides and tighten bolts.
3. Place composter top onto base, aligning pre-drilled holes. Place a bolt and washer into each hole from above. Loosely attach a washer and nut onto each bolt from below.
4. Use several screw drivers or other implements to raise composter top slightly. Squeeze a liberal amount of sealant into gap all around. Remove screwdrivers. Tighten bolts on flange.
5. Set access door in place on front of base and attach from the hinge side using bolts provided. Washers are on inside only. Attach nuts loosely.
6. From inside the base, apply a liberal bead of sealant between the front baffle and tank top. Tighten bolts.
7. From inside the tank, apply a liberal bead of sealant around all joints (i.e., bottom/top, baffle/side/top).
8. From inside of tank, glue PVC pipe onto Vent Pipe Fitting (to vent front area of composter). Pipe must be in a vertical position.

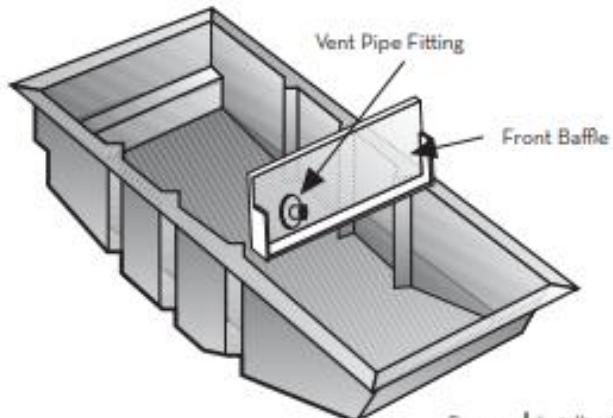


Figure 5. | Installing Baffle

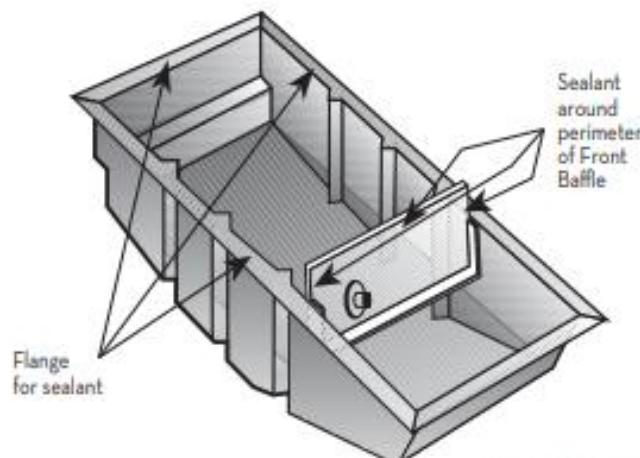


Figure 6. | Applying Sealant

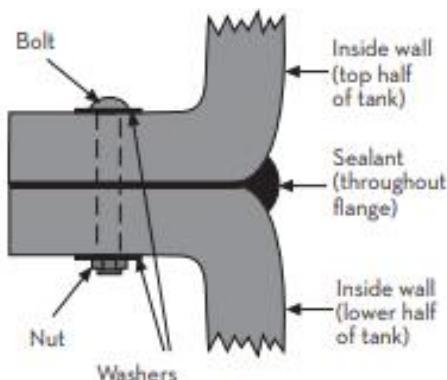


Figure 7. | Flange Detail

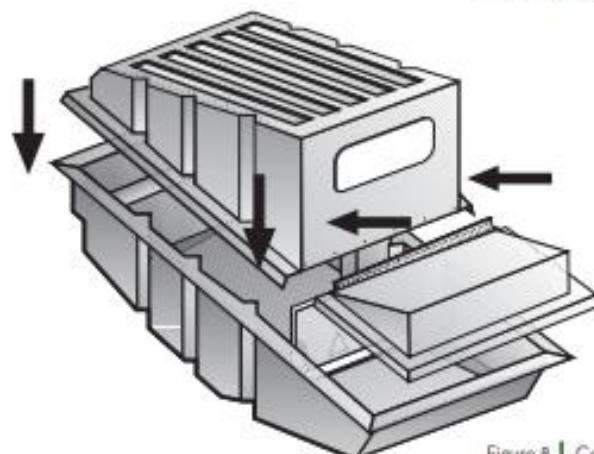


Figure 8. | Composter Top and Access Door Installation

Installation and Assembly Instructions (continued)

Fixture Location & Installation

Note: For M12 systems using the Foam-flush toilet fixture, see [Foam-flush Installation Manual](#).

Toilet Chute Location (Waterless toilet)

1. Locate center point of chute on toilet room floor and drill small hole for plumb bob.

2. Using plumb bob, locate center point of chute on composter top as per plan, or as far to rear of tank top working area as possible.

Note: For concrete toilet room floors, use plans for placement and sleeve out a 14 1/2" diameter hole for each chute before pouring floor.

3. Scribe and cut a circle with 7 1/4" radius (14 1/2" hole) through toilet room floor and composter top, using plumb bob point as center point of circle.

4. Place flanged chute into composter top. Add any needed extension chutes. Cut top-most chute to proper length.

5. From inside composter, caulk around flanged chute. Duct tape all chute joints.

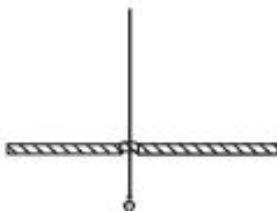
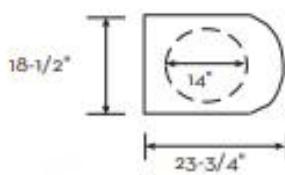
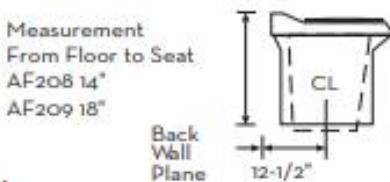


Figure 9. | Toilet Measurements

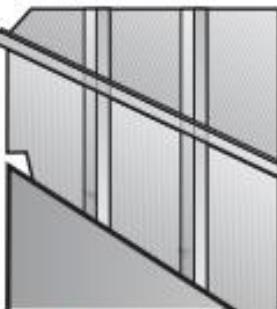
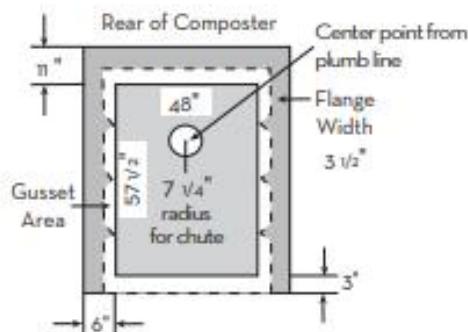


Figure 10. | Plumb Bob

Figure 11. | Top Working Area



Figure 12. | Chute Height

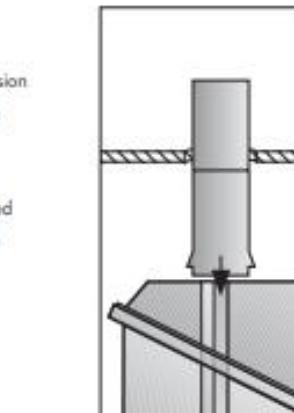
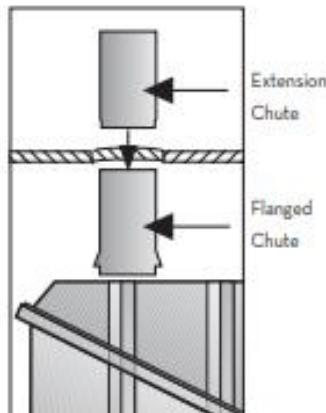


Figure 13. | Chute Installation

Installation and Assembly Instructions (continued)

Adding Starter Bed

Add approximately 35 cu. ft. of pine shavings (supplied with unit).

1. Add starter bed. (For systems using the waterless toilet, starter bed may be added down toilet chute. For systems using the Foam-flush fixture, add starter bed through Maintenance Access hatch.)
2. Spread out as shown.

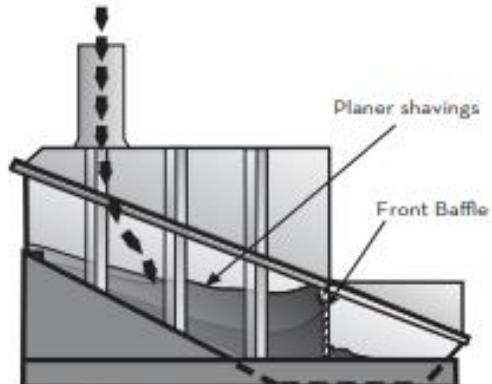


Figure 14. | Adding Starter Bed

Waterless Toilet Installation

1. Remove toilet top from toilet base by removing screw in front and lifting front to back.
2. Position base over toilet chute and secure to floor with hardware provided.
3. Replace toilet top, inserting liner into chute and re-attach toilet top to base.
4. Run a small bead of caulk around the base of the toilet using the white caulking provided.
5. Attach Clivus "123" sign in toilet stall.

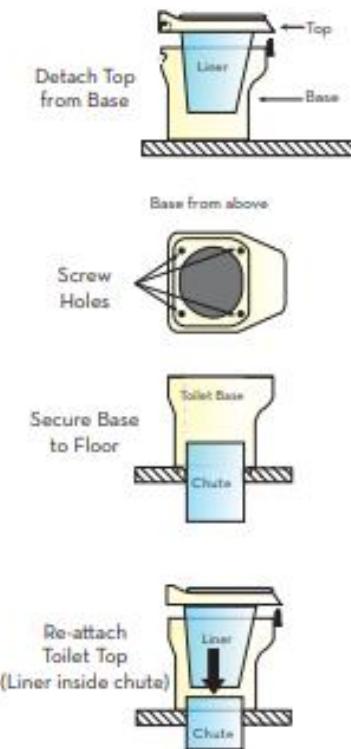


Figure 15. | Toilet Installation

You are using a recycling toilet by **Clivus®**

1 This toilet uses no water or chemicals.

2 Waste is being composted in the equipment below this building.

3 Do not throw cigarettes, plastics, bottles or cans into this recycling toilet.

THANK YOU FOR HELPING US PRESERVE THE ENVIRONMENT

Clivus Multrum®, Inc.
15 Union Street
Lawrence, MA 01840

1-800-4-Clivus

Installation and Assembly Instructions (continued)

Urinal Installation

1. Hang the urinal at height specified in plans or at height specified by governing codes.
2. Plumb into rear top working surface of composter using 2" drain pipe. Do not install in-line trap. Use as steep a slope as possible. Use clean-out at every elbow.
3. Caulk around pipe where it enters composter.
4. Caulk around pipe where it passes through finished floor.
5. Attach Clivus "123" sign in urinal stall.

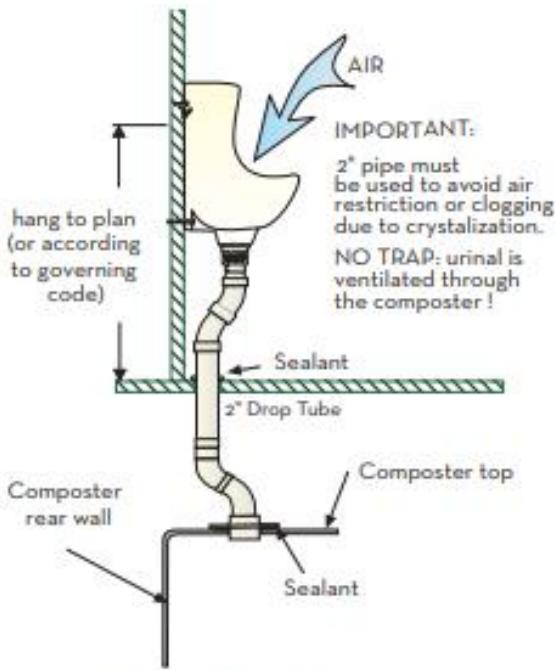


Figure 16. Urinal Installation

Ventilation Installation

AC or DC Fan

1. Position mounting flange as far to front of top surface and as far from toilet connections as possible, centering it on a raised rib.
2. Trace inside of flange onto composter top. Move flange and cut out hole.
3. Position flange over hole and drill bolt holes.
4. Apply sealant to bottom of flange and attach to composter using bolts provided, washers inside and out, nuts on the inside.
5. Consult plan for location of vent run, ending at least 2' above roof peak. Hang pipe using standard plumbing practice. Fan should be installed in-line as close to tank as possible using mounting hardware provided.

Note: fan should be accessible to electrician for wiring and to maintenance personnel for servicing.

6. Fan can now be wired by a licensed electrician. A vent cap is recommended.

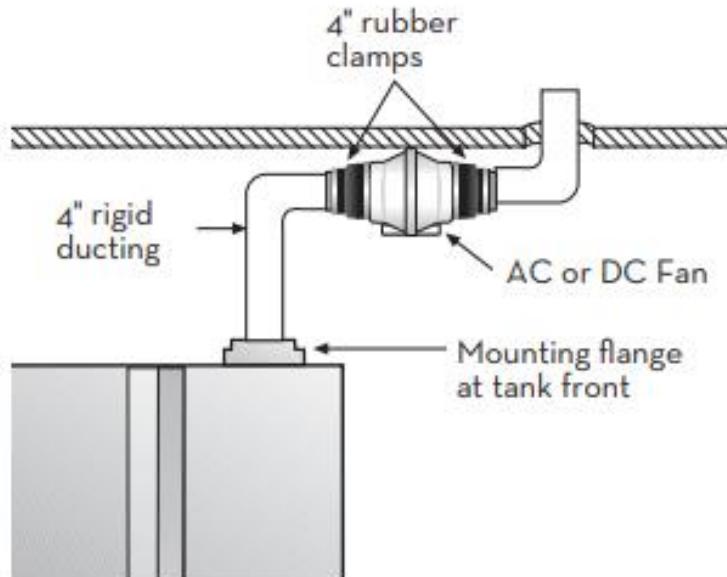


Figure 17. Fan Installation

Installation and Assembly Instructions (continued)

Liquid Removal System

AC Pump

1. Position pump assembly in the front-left or front-right corner of composter, on the side closest to external drain line.
2. Mount ball check-valve above pump chamber lid. Plumb to drain line, exiting through side wall of composter using 1" tank adapter.
3. Bring pump and float switch power lines through grommet in isolation chamber lid, then through composter side wall.

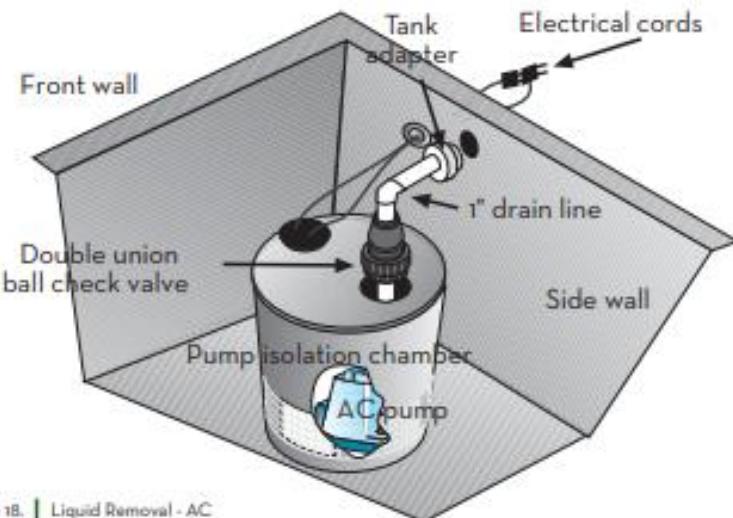


Figure 18. | Liquid Removal - AC

DC Pump

1. Position pump assembly in the front left or front right corner of composter, on the side closest to the external drain line.
2. Use SS bolt and nut to mount pedal float to bottom of pump chamber. Bring bolt from underside of chamber.
3. Wire pedal float and pump inside junction box with positive and negative leads from DC power source.
4. Mount ball check-valve above pump chamber lid. Plumb to drain line, exiting through side wall of composter using 1" tank adapter.

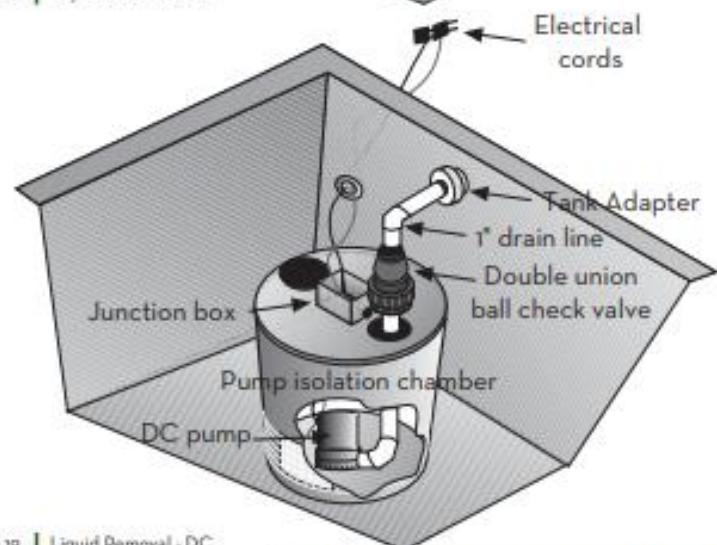


Figure 19. | Liquid Removal - DC

Final Drain Connection

If plan calls for compost liquid storage tank, run 1 1/2" line from top of composter to top of storage tank to liquid storage tank.

NOTE: Liquid removal system and storage tank set-up are site specific. Please see system plan associated with your system for pipe size, etc.

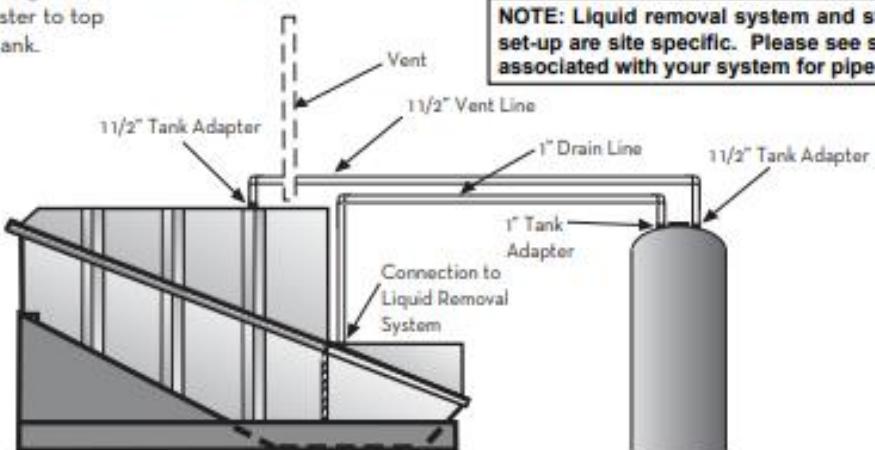


Figure 20. | Liquid Removal Final Drain Connection

Installation and Assembly Instructions (continued)

Moistening System

Pressurized

1. Install solenoid valve. Include union for future removal. Check with local code for back-flow prevention requirement.
2. Wire coil to relay terminal in 6x6 timer box as shown below. Mount coil to valve.
3. Mount timer box near composter. Factory preset is for four spray intervals of ten seconds each per 24-hour period.

Moistening Starter Bed

1. Run moistening system several times until starter bed is thoroughly damp. (See Maintenance Manual for moistening system timer operation.)
2. Remove any liquid that drains into compost access chamber.
3. Be sure the moistened starter bed is still shaped as in the diagram under Adding Starter Bed on page 11. Adjust if necessary.

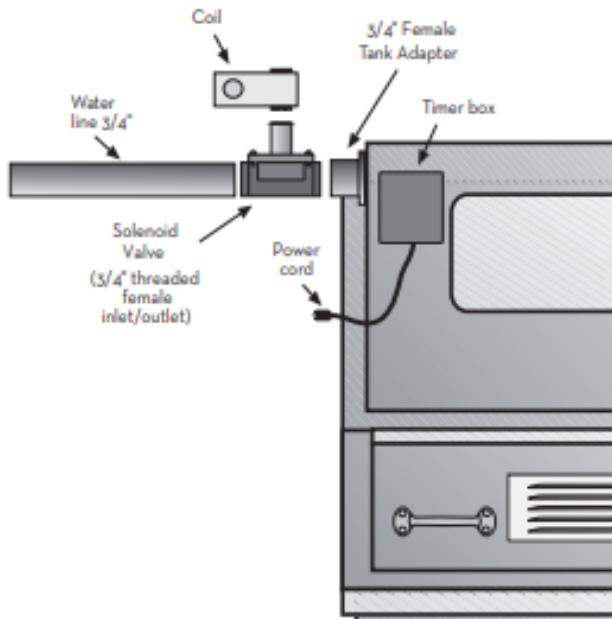
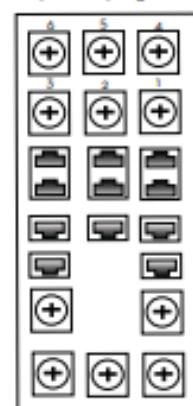


Figure 21. | Moistening System - AC

Wire leads to terminals 4 and 6. Connect ground to power input ground.



terminal block inside timer box with relay removed

Figure 22. | Moistening System - Coil Wiring

Installation and Assembly Instructions (continued)

Alarms & Sensors

Level and Air-flow Sensors/Alarms

The alarm is equipped to receive two switches. The level alarm should be wired to the "flashing mode" alarm option, and the air-flow sensor should be wired to the "continuous mode" option. (See alarm instructions for proper wiring.)

Compost Liquid Level Sensor/Alarm

Mount the alarm on top of the compost tank using screws provided. Drill a hole on either side of the front area of the tank for the power cord, about one foot from the front corner of the tank. Position the ball float-sensor so that it suspends about 2" from the bottom of the tank and attach with 1/2" stainless steel screws provided. Wire power cord to alarm for "flashing mode" according to enclosed instruction.

Air-flow Sensor/Alarm

Air-flow sensor must be oriented in a vertical position on either a horizontal or vertical run of the vent duct. Drill a hole on the vent duct for the 1/4" plastic tube. Bend the feet on the sensor to make contact on the ducting and attach with 3/4" stainless steel screws provided. Connect the tube to the "low" side of the sensor using enclosed compression fittings. Insert the tip of the tube into the vent ducting. Wire from the switch to the alarm for "continuous" light mode according to enclosed alarm instructions.

This completes the installation of the M12 composter. For general care of the system, consult the M12 Maintenance Manual.

QUESTIONS ABOUT THE INSTALLATION OR OPERATION OF THIS DEVICE SHOULD BE DIRECTED TO YOUR LOCAL CLIVUS MULTRUM REPRESENTATIVE OR TO CLIVUS MULTRUM, INC.

Clivus New England, Inc.
P.O. Box 127
North Andover, MA 01845
(978) 794-9400
Fax: (978) 794-9444
E-mail: 123CNE@clivusne.com



DATE: July 25, 2024
TO: Dan Sturgeon, Dir. of Recreation CC: Lisa Truchon, Clivus New England
FROM: Joseph A. Ducharme
RE: State's Landing boat ramp, Moultonborough, NH

Based on your projected usage of the boat ramp falling below the usage of Kraine Meadow Park, the M12 system will work well at this seasonal facility. The budgetary estimate for the composting toilet system is **\$24,350** and includes:

- 1 M-12 composter with wooden cradle support
- 1 Liquid removal assembly
- 1 Fantech AC FR150 ventilation fan assembly
- 2 AF209 handicapped waterless toilet fixtures with connecting chutes
- 1 500-gallon liquid storage tank with high-level alert
- All necessary internal composter components for proper operation

Please allow Clivus New England to review all building plans to ensure proper layout and installation of the system.

This estimate also includes freight, installation instruction to your installing plumber, system certification, and a maintenance training session. Others will be responsible for offloading of freight and system installation.

This estimate does not include the 4" PVC ventilation pipe which must run from the top of the composter up above the roof line, or any PVC piping associated with the liquid storage tank.

A receptacle with four outlets will be needed for the liquid removal pump and to provide extra service outlets, and should be placed within 5' 10" of the composter location. The liquid removal pump situated in the bottom of the composter will pump the liquid end-product to the storage tank. The high-level alert should be plugged into a grounded receptacle on a separate circuit than the liquid removal pump. When hard wiring the ventilation fan, a variable speed switch should be installed; this will allow for site specific adjustments and eliminate the need for any dampers in the ventilation system.

Starter material for the M-12 consists of 3 bales of planer shavings provided by Clivus, plus 2 bales of peat moss to be supplied by your installer.

Site specific service and maintenance options are available to minimize costs and maximize operational efficiency. Let us know how our service department can fulfill your needs; or we can discuss service options at a time when we are on site.

Currently there is a ten-week lead-time for the composting toilet equipment. We require a 50% deposit at the time of order, with balance due prior to delivery. This quotation is valid for 10 days.

Please review the enclosed materials to be acquainted with all the aspects of installation. We can then discuss the most efficient way for us all to complete this project. Look forward to hearing from you.

Best regards.

JAD/lmt
Enclosures

- M-12 spec sheet
- M-12 installation and maintenance manuals
- PC12 wooden support cradle spec
- Fantech FR150 ventilation fan spec sheet
- Liquid removal assembly spec sheet
- 500-gallon liquid storage tank spec sheet
- Composter maintenance
- Waterless toilet spec sheet
- Warranty



The State of New Hampshire
Department of Environmental Services

Robert R. Scott, Commissioner



AMENDED SHORELAND IMPACT PERMIT 2019-02008

NOTE CONDITIONS

PERMITTEE: TOWN OF MOULTONBOROUGH
PO BOX 139
MOULTONBOROUGH NH 03254

PROJECT LOCATION: STATES LANDING BEACH RD, MOULTONBOROUGH
Tax Map/Block/Lot(s): 120/no block/95

WATERBODY: LAKE WINNIPESAUKEE

AMENDMENT DATE: MAY 04, 2021

TIME EXTENSION DATE: JUNE 10, 2024

APPROVAL DATE: JULY 30, 2019

EXPIRATION DATE: JULY 30, 2029

Shoreland Permit Application 2019-02008 has been found to meet or exceed the requirements of RSA 483-B as required per RSA 483-B:6, II. The New Hampshire Department of Environmental Services (NHDES) hereby issues this Shoreland Impact Permit with conditions pursuant to RSA 483-B:6, II.

AMENDED PERMIT DESCRIPTION:

Impact 52,900 square feet of protected shoreland in order to modify the municipal beach and park facilities including paving a walking trail with timber bridge, construction of 5 rain garden sections, a volleyball pit, horseshoes pits, and play area, installation of a shelter with 2 patios, relocation of guard shack, and boat trailer management areas.

AMENDMENT DESCRIPTION: Plans revised in order to include the impact to 52,900 square feet of protected shoreland in order to remove a shed, modify the municipal beach facilities including the parking facilities, ramp access road, walkways, and 2 pedestrian bridges, construction of a volleyball pit, horseshoes pits, a play area, a pavilion, a boat trailer management area, stormwater management, and regrading and landscaping.

Impervious Surface Percentage Approved: Reduced to 9.0%

Natural Woodland Area Required per RSA 483-B:9,V, (b): 9,725 square feet

THE FOLLOWING AMENDED PROJECT-SPECIFIC CONDITIONS HAVE BEEN APPLIED TO THE PERMIT PURSUANT TO ENV-WQ 1406.15(c):

1. All work shall be in accordance with plans by David M. Dolan dated June 30, 2015 and KV Partners dated March 25, 2016 and then amended by KV Partners LLC on February 8, 2021 as received by the NH Department of Environmental Services (NHDES) on May 4, 2021 pursuant to 483-B:5-b Permit Required; Exemption, I, (a).
2. Within three days of final grading or temporary suspension of work in an area that is in or adjacent to wetlands or surface waters, all exposed soil areas shall be stabilized by seeding and mulching during the growing season, or if not within the growing season, by mulching with tack or netting and pinning on slopes steeper than 3:1 as required pursuant to RSA 483-B:9, V, (d) Erosion and Siltation, (1).
3. This permit shall not be interpreted as acceptance or approval of any impact that will occur within wetlands jurisdiction regulated under RSA 482-A including all wetlands, surface waters and their banks, the tidal-buffer zone, and sand dunes. The owner is responsible for maintaining compliance with RSA 482-A and Administrative Rules Env-

www.des.nh.gov

29 Hazen Drive • PO Box 95 • Concord, NH 03302-0095

NHDES Main Line: (603) 271-3503 • Subsurface Fax: (603) 271-6683 • Wetlands Fax: (603) 271-6588
TDD Access: Relay NH 1 (800) 735-2964

Wt 100 - 900 and obtaining any Wetland Impact Permit that may be required prior to construction, excavation or fill that will occur within Wetlands jurisdiction as required pursuant to RSA 483-B:6, I, (c).

4. This permit shall not preclude NHDES from taking any enforcement or revocation action as authorized pursuant to 483-B:5, I. If NHDES later determines that any of the structures depicted as "existing" on the plans submitted by the applicant were not previously permitted or grandfathered.

THE FOLLOWING STANDARD PROJECT CONDITIONS SHALL BE MET PURSUANT TO ENV-WQ 1406.20:

1. Erosion and siltation control measures shall be installed prior to the start of work, be maintained throughout the project, and remain in place until all disturbed surfaces are stabilized.
2. Erosion and siltation controls shall be appropriate to the size and nature of the project and to the physical characteristics of the site, including slope, soil type, vegetative cover, and proximity to wetlands or surface waters.
3. No person undertaking any activity in the protected shoreland shall cause or contribute to, or allow the activity to cause or contribute to, any violations of the surface water quality standards established in Env-Wq 1700, and the requirements in Env-Wq 1404.01(a) and(b).
4. Any fill used shall be clean sand, gravel, rock, or other suitable material.
5. For any project where mechanized equipment will be used, orange construction fence shall be installed prior to the start of work at the limits of the temporary impact area as shown on the approved plans; be maintained throughout the project; and remain in place until all mechanized equipment has been removed from the site.

ANY INDIVIDUAL CONDUCTING WORK UNDER THIS PERMIT IS ADVISED OF THE FOLLOWING:

1. During construction, a copy of this permit should be posted on site in a prominent location visible to inspecting personnel.
2. This permit does not convey a property right, nor authorize any injury to property of others, nor invasion of rights of others.
3. Pursuant to Env-Wq 1406.21, transfer of this permit to a new owner requires notification to, and approval of, NHDES.
4. This project has been screened for potential impact to **known** occurrences of protected species and exemplary natural communities in the immediate area. Since many areas have never been surveyed, or only cursory surveys have been performed, unidentified sensitive species or communities may be present. This permit does not absolve the permittee from due diligence in regard to state, local or federal laws regarding such communities or species. This permit does not authorize in any way the take of threatened or endangered species, as defined by RSA 212-A:2, or of any protected species or exemplary natural communities, as defined in RSA 217-A:3.

APPROVED:



Rosemary E. Aures
Shoreland/Shoreline Specialist, Shoreland Program
Wetlands Bureau, Land Resources Management
Water Division

THIS PERMIT IS NOT VALID UNTIL SIGNED BY THE PARTIES BELOW (Env-Wq 1406.21(c))

PERMITTEE SIGNATURE (required)

PRINCIPAL CONTRACTOR SIGNATURE (required, if any)