



**Howard County
Health Department**

Maura J. Rossman, M.D., Health Officer

Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

RECEIPT DATE: 9/28/2023 **ONSITE SEWAGE DISPOSAL SYSTEM** P 75048

APPROVAL DATE: 10/10/2023 **PERMIT:** Tank UPDATE
Replacement A _____

PROPERTY ADDRESS: 4268 Maisel Farm Road

SUBDIVISION: Buckskin Woods LOT: 51 TAX ID: 1405391237

CONTRACTOR: South Carroll Backhoe EMAIL: _____

CONTRACTOR ADDRESS: 440 Salem Bottom Rd. Westminster MD PHONE: 410 875 4197

PROPERTY OWNER: Hong Tao Ma & Xiao Hong Li EMAIL: _____

OWNER ADDRESS: 4268 Maisel Farm Road, Ellicott City, MD 21042 PHONE: 410 493 4950

SEPTIC TANK SIZE (GALLONS): 1000 GAL TANK MANUFACTURER: Back River Precast

PUMP MODEL: N/A PUMP SIZE: N/A PUMP TANK CAPACITY: N/A

DISTRIBUTION SYSTEM: GRAVITY PRESSURE DOSED BEDROOMS: - APPLICATION RATE: -

TRENCHES:	LINEAR FEET REQUIRED: <u>-</u>	INLET DEPTH: <u>-</u>
	TRENCH WIDTH: <u>-</u>	MAXIMUM BOTTOM DEPTH: <u>-</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>-</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>-</u>
LOCATION:	PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND TANK LOCATIONS MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.	
NOTES:	Add tank between existing 2000-gal tank and 1250-gal pump tank. Health Department is not certifying the condition of existing drain field as part of this permit. Existing drain field is sized to serve 9 bedrooms per as built record.	

ISSUED BY: JE Williams ISSUE DATE: 10-5-23 EXPIRATION DATE: 10-28-24

- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.
- NOTE: WATERTIGHT TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRAIENT FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS
- NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM
 ELECTRICAL PERMIT ISSUED E N/A
- NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.
CALL 410-313-1771 TO SCHEDULE INSPECTIONS.**

NOT TO SCALE

See Attached
Sheet For
As-built

ROAD NAME

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
_____	_____	_____
NUMBER OF TRENCHES _____		
TOTAL LENGTH _____		
ABSORPTION AREA _____		
DISTRIBUTION BOX LEVEL _____		
DISTRIBUTION BOX BAFFLE _____		
DISTRIBUTION BOX PORT _____		

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL yes

MANUFACTURER Ataylor

CAPACITY 1000 GAL

SEAM LOC top

TANK LID DEPTH 2.5'

BAFFLES 4" front & 4" back

BAFFLE FILTER _____

MANHOLE LOC front & back

6" PORT LOC _____

WATERTIGHT TEST _____

SLOTTED _____

DATE ON LID 9/6/2023

PUMP/SEPTIC TANK LEVEL

MANUFACTURER _____

CAPACITY _____ GAL

SEAM LOC _____

TANK LID DEPTH _____

BAFFLES _____

BAFFLE FILTER _____

MANHOLE LOC _____

6" PORT LOC _____

WATERTIGHT TEST _____

SLOTTED _____

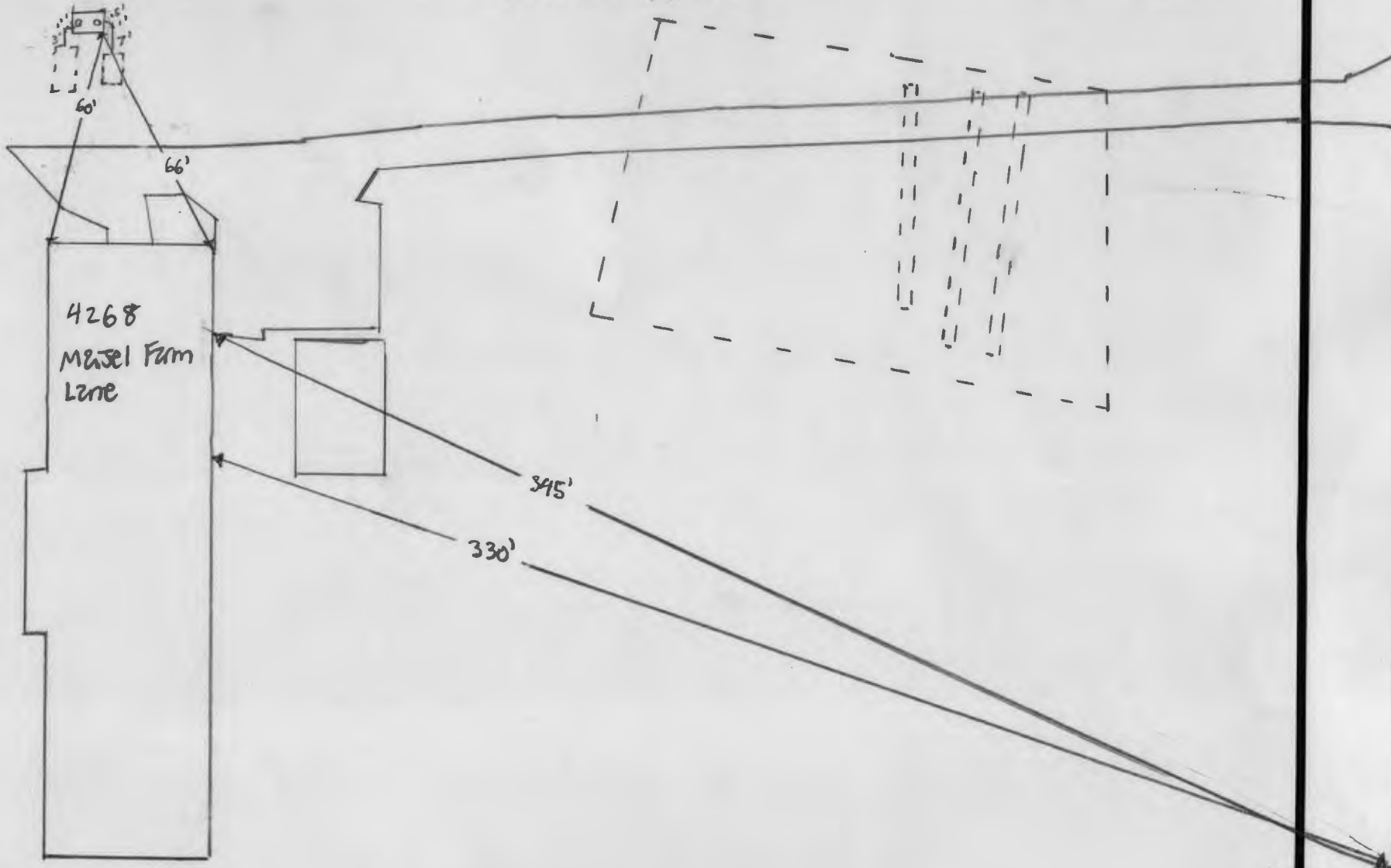
DATE ON LID _____

PRE-CONSTRUCTION:

INSTALLATION: 10/10/2023 - Tank was less than 3' of cover. DUE is 9/6/2023. Saw 4" baffle @ back + front. Tank is 1000 gal 1 compartment. OK to backfill. Located nearby well. @

FINAL INSPECTOR S. Page DATE OF APPROVAL 10/10/2023

NOT TO SCALE 1" = 40'



HO-44-1546

Williams, Jeffrey

From: Williams, Jeffrey
Sent: Thursday, July 6, 2023 1:10 PM
To: Luke Groom; Silvast, Zackary
Cc: Paul Cavanaugh
Subject: RE: 61260-6004 - 4268 Maisel Farm Lane Plan Review Status

Hello. Sorry for the delay. Zack sent it up to me for my comments and it was delayed with me. I do have a couple comments and a couple questions:

- Are the existing tank invert elevations field run?
- The existing trenches should have observation pipes per our as-built drawings, those should be on the plan
- The new tank should be a two compartment tank
- The plan states system B existing, but we have no record of installation and the notes from the installation of system A indicate that the installer wanted to combine them both together at that time.

Jeff

From: Luke Groom <L.groom@fcc-eng.com>
Sent: Thursday, July 6, 2023 11:55 AM
To: Silvast, Zackary <zsilvast@howardcountymd.gov>
Cc: Williams, Jeffrey <jewilliams@howardcountymd.gov>; Paul Cavanaugh <PaulC@fcc-eng.com>
Subject: 61260-6004 - 4268 Maisel Farm Lane Plan Review Status

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Zack,

We submitted an initial submission Septic Installation Plan for 4268 Maisel Farm Lane on May 19th that also included some email correspondence between Jeff and the property owner, Hong Tao Ma, for design direction.

Do you know the status of the review?

Thanks,
Luke

Luke A. Groom, P.E.
Project Manager
Fisher, Collins and Carter, Inc.
10272 Baltimore National Pike - Ellicott City, MD 21042
Office: 410.461.2855 x555

LAYOUT 9/27/2011 INSP 4 11/2/11 12/2/2011
 INSP 2 10/26/2011 INSP 5 11/3/11
 INSP 3 10/27/2011 INSP 6 11/21/11

ISSUE DATE:

8-11-10

PERMIT

P 533961

APPROVAL DATE:

12/5/2011

A UPGRADE

Tax ID # 1403292339

**ON-SITE SEWAGE DISPOSAL SYSTEM
 HOWARD COUNTY HEALTH DEPARTMENT
 BUREAU OF ENVIRONMENTAL HEALTH**

4M

AM Contracting LLC

IS PERMITTED TO INSTALL ALTER

ADDRESS:

PHONE NUMBER:

443.277.7526

SUBDIVISION:

BUCKSKIN WOODS

LOT NUMBER:

51

ADDRESS:

4268 MAISEL FARM LANE

PROPERTY OWNER:

HONG TAO MA

SEPTIC TANK CAPACITY (GALLONS):

2000

OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS):

1250
1000

COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS:

4

APPLICATION RATE: 1.2

SQUARE FOOTAGE OF HOUSE:

>3,500

LINEAR FEET OF TRENCH REQUIRED:

180'

TRENCHES:	Trenches to be 3 feet wide. Inlet 2 feet below original grade. Bottom maximum depth 4 feet below grade. Effective area begins at 2 feet below original grade with 2 feet of stone below distribution pipe.
LOCATION:	Pump, fill & collapse existing septic tank. Set septic tank & pump tank per Proposed System "B" shown on plan. Run 3 x 60' trenches on contour. Forest Con disturbance for force main OK w/ DPZ.
NOTES:	Do not order the septic tank until after layout inspection and Sanitarian approval. Stake septic easement corners. Call for layout inspection. Mark utilities. Gravel tickets must be available for Environmental Sanitarians. Stone must be approved by the Howard County Health Department. A written variance request is required for tanks deeper than 3 feet. A traffic bearing lid is required for tanks deeper than 4 feet.

PLANS APPROVED:

HEIDI SCOTT

DATE:

7/19/2010

NOTE: PERMIT VOID AFTER 2 YEARS

NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS

NOTE: WATERTIGHT SEPTIC TANKS REQUIRED

NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL

NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

**NEITHER THE HOWARD COUNTY COUNCIL OR THE HEALTH DEPARTMENT IS
 RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM
 PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT
 CALL 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM**

NOT TO SCALE

11/21/2011 -

Need tank baffles. Need to cement on distribution box port. Need pump and alarm test. Need to pump out and abandon any necessary parts of existing septic system. (BB)

12/2/2011 Pump and alarm working. Homeowner has decided that he wants to add a trench. Installer had been telling him that there

See As-Built Drawing On Separate Sheet

was more than 140' of trench. He had paid for at least 180' of trench. O.K. to install a 60' trench below the 70' trenches. (BB)

12/5/2011 Homeowner still complaining. Told installer that he could install a short trench at the end of the existing trenches to connect them. Decided to let homeowner keep the old septic system in use since he can't move into barn until he gets approval from DILP. He agreed to abandon septic system and connect to well (see his letter). No ICOP until done. (BB)

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
3'	2'	4'
NUMBER OF TRENCHES		2
TOTAL LENGTH		200+
ABSORPTION AREA		600+ and Sidewall
DISTRIBUTION BOX LEVEL		Levelers
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA

SEPTIC TANK I LEVEL	
MANUFACTURER	Maryland Concrete
CAPACITY	2000 GAL
SEAM LOC	Top
TANK LID DEPTH	1.5-2.5'
BAFFLES	Yes
BAFFLE FILTER	No
MANHOLE LOC	Front + Rear
6" PORT LOC	None
WATERTIGHT TEST	No
SLOTTED	Yes
DATE ON LID	10/17/2011
PUMP/SEPTIC TANK LEVEL	
MANUFACTURER	Maryland Concrete
CAPACITY	1000 GAL
SEAM LOC	Top
TANK LID DEPTH	3-3.5'
BAFFLES	No
BAFFLE FILTER	No
MANHOLE LOC	Rear
6" PORT LOC	None
WATERTIGHT TEST	No
SLOTTED	No
DATE ON LID	7/19/2011

PRE-CONSTRUCTION:

9/27/2011 Contractor wanted to install an at-grade system. Told him to just stick to trenches. Easement not staked. Installer wants to connect all plumbing together and run out of side of barn like in "proposed system A". Pump chamber upgraded to 1250 gallons (BB)

INSTALLATION:

10/20/2011 Laid out trenches (BB)

10/27/2011 Trenches dug but not gravelled. Some clay has washed into trench bottoms because of rain. Not much rock at 4' and above. (BB) 11/2/2011 Finishing trenches.

Installing pump line. (BB) 11/3/2011 Tanks set. Tank holes over dug. Told installer to put gravel under tank connections. Water in bottom of tank holes. (BB)

FINAL INSPECTOR

B. Baker

DATE OF APPROVAL

12/5/2011

2500y

Well → HO-94-1546

1324.8

8.839

9 Boards → If in fact
30' Trench
238.5

$11 \times 150 = 1650$

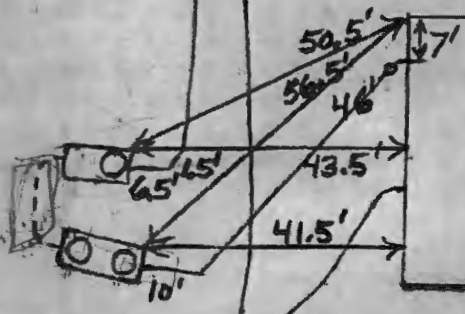
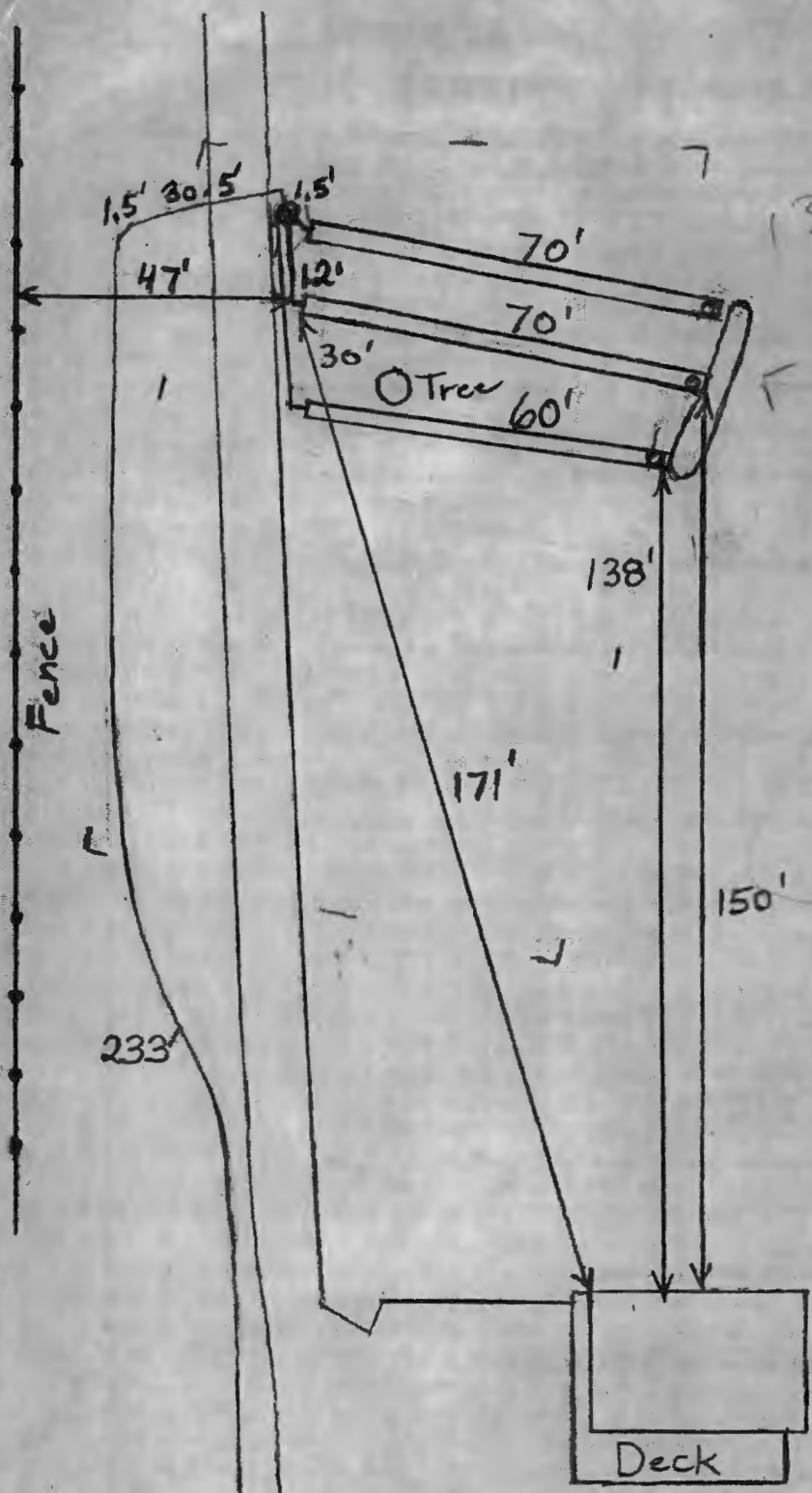
$1650 / 1.2 = 1375$

$1375 / 3 = 458$

$458 \times .62 = 284$

$7 \text{ BR } (185) / 1.2 = 875 / 3 = 291 (.62) = 180$

$8 \text{ OR } (200) / 1.2 = 1000 / 3 = 333 (.62) = 206$



4268 Maisel Farm Ln. or
12935 Folly Quarter Rd.

FREEDOM SEPTIC SERVICE, INC.

24 Hour Service
2809 Liberty Road
Eldersburg, Maryland 21784
(410) 795-2947

JOB WORK ORDER

041949

DATE OF ORDER

PHONE
BILL TO <u>Hospital Ma</u>
ADDRESS <u>42608 Maisel Farm Rd</u>
CITY <u>Ellicott City, MD 21042</u>
LOCATION OF SEPTIC <u>Back</u>
LAST PUMPED
NEW CUSTOMER

DESCRIPTION OF WORK

Pump Septic PR. LIC# 108
11-23-12
16m

Fri 11/23/12

A 15% Late Charge will be assessed 30 days after date of service.

NOTICE TO CUSTOMERS

I understand that Freedom Septic Service, Inc. is not responsible for any damage to driveway or lawn while rendering services on the above property.

Date Completed

TOTAL MATERIALS	
TOTAL LABOR	
TAX	
TOTAL AMOUNT	<u>190.00</u>

- NO ONE AT HOME
- TOTAL AMOUNT DUE FOR ABOVE WORK; OR
- TOTAL BILLING TO BE MAILED AFTER COMPLETION OF THE WORK

Signature _____
I hereby acknowledge the satisfactory completion of the above described work

PROPOSAL

PROPOSAL NO. 111
SHEET NO.
DATE

PROPOSAL SUBMITTED TO:

WORK TO BE PERFORMED AT:

NAME Hong Tao Ma
ADDRESS 4268 Maisel Farm Lane Ellicott City MD 21042
PHONE NO. 410 493 4950

ADDRESS
DATE OF PLANS 11/23/12
ARCHITECT

We hereby propose to furnish the materials and perform the labor necessary for the completion of _____

Old septic tank abandon:

10 ton dirt \$ 400.⁰⁰

Labor to fill out tank \$ 400.⁰⁰

paid

total \$ 800.⁰⁰

All material is guaranteed to be as specified, and the above work to be performed in accordance with the drawings and specifications submitted for above work, and completed in a substantial workmanlike manner for the sum of _____

Dollars (\$ _____)

with payments to be made as follows:

paid in full

Respectfully submitted _____

Per _____

Any alteration or deviation from above specifications involving extra costs will be executed only upon written order, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents, or delays beyond our control.

Note - This proposal may be withdrawn by us if not accepted within _____ days.

ACCEPTANCE OF PROPOSAL

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payments will be made as outlined above.

Signature _____

Date

11/23/12

Signature _____

B & B SPECIALIST, LLC

4333 MAISEL FARM LANE, ELLICOTT CITY, MD 20142



October 23, 2012

Hong-Tao Ma
TO: 4268 Maisel Farm Lane
Ellicott City, MD 20142

PROJECT: Residence - Well Pump -

We propose to furnish all labor and material according to plans and specifications consisting of the following:

PLUMBING

Permit - Pit-less adapter
3/4 horse power 3 wire pump 10 gallon minute
Extrol Water Tank - WX-255 Tank
Piping from Well to Residence (300')
Wiring from well to Extrol tank
wiring & piping in well (250 ft deep well)
Set Tank
NOTE: by others - wiring from electrical panel to water tank

WE propose to furnish all of the above material and labor necessary to complete the job in accordance with drawings for the sum of **\$5,200.00**.

DEPOSIT: \$2,200.00 RECEIVED 10/23/12

BOB 443-472-0949

BRENT 443-745-8094

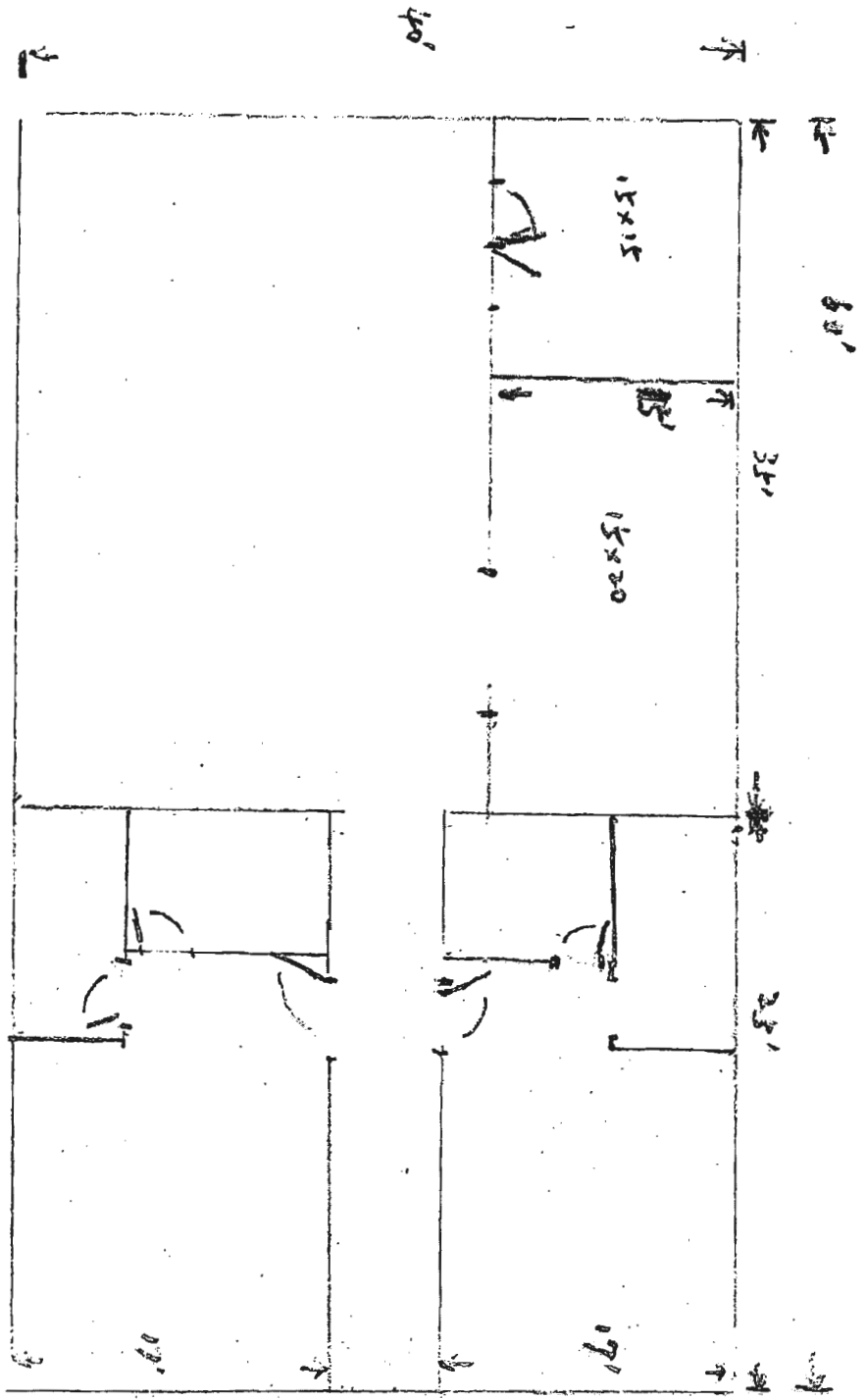
FAX 410-531-1940

December 2, 2011

I, Hong Tao Ma, the owner of property
4268 Maisel Farm Ln, will finish the renovation
work in one year after Building Permit is
issued from County. When renovation work is finished
the old septic tank will be abandoned immediately.
Also, the water will be connect to new well
during the renovation.
The existing house will have no plumbing.

Hong Tao Ma





4268 Maisel Farm Lane
 Ellwood City 21042
 Ma's property

$$11 \times 150 = 1650 \text{ gals per day}$$

$$1650 / 1.2 = 1375$$

$$1375 / 3 = 458.3 \quad 200' \text{ Existing}$$

$$458.3 \times .62 (2' \text{ sue}) = 284.1 \text{ ~~Rq~~ (Upgrade)}$$

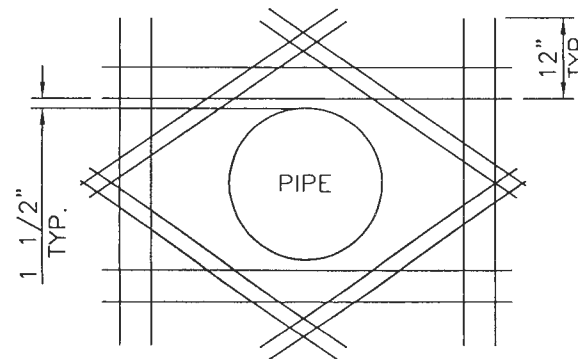
Septic Tank 2000 gal (Upgrade?)

Pump Tank 1250 gal (Upgrade)

NOTES:

1. CONCRETE SHALL BE 5,000 PSI @ 28 DAYS, TYPE II CEMENT.
2. STEEL REINFORCEMENT TO ASTM A 615 GRADE 60. WELDED WIRE FABRIC TO ASTM A-185 GRADE 65. 1 1/2" CLEARANCE TYP..
3. LIFT HOLES (IF APPLICABLE) & ANNULAR SPACE BETWEEN PIPE & HOLE TO BE FILLED.
4. BUTYL RUBBER SEALANT TO BE USED IN ALL JOINTS. ALL JOINTS TO BE GROUTED INSIDE & OUT W/ NON-SHRINK GROUT.
5. STRUCTURE TO BE WATERTIGHT, WATERSTOP TO BE USED BETWEEN BASE SLAB & WALLS..
6. JOINT LOCATION, IF APPLICABLE TO BE DETERMINED BY THE MANUFACTURER, JOINTS CANNOT BE LOCATED WITHIN 6" OF ANY OPENING.
7. TRIM ALL OPENINGS OVER 10" DIAMETER W/ #5 BARS AS SHOWN BELOW.
8. ALL REBAR LAPS 32 DIAMETERS MINIMUM.
9. CONCRETE DESIGN TO BE IN CONFORMANCE WITH THE LATEST EDITION AND ADDENDA OF THE ASTM C857 AND ACI 318.
10. CONCRETE FABRICATION TO BE IN CONFORMANCE WITH THE LATEST EDITION AND ADDENDA OF THE ASTM C858.

DRAWING SCHEDULE			
SHEET NO.	DESCRIPTION	REVISIONS	
		REV. NO.	DATE
1	COVER SHEET		
2-3	1000 GALLON TRAFFIC RATED DETAILS		

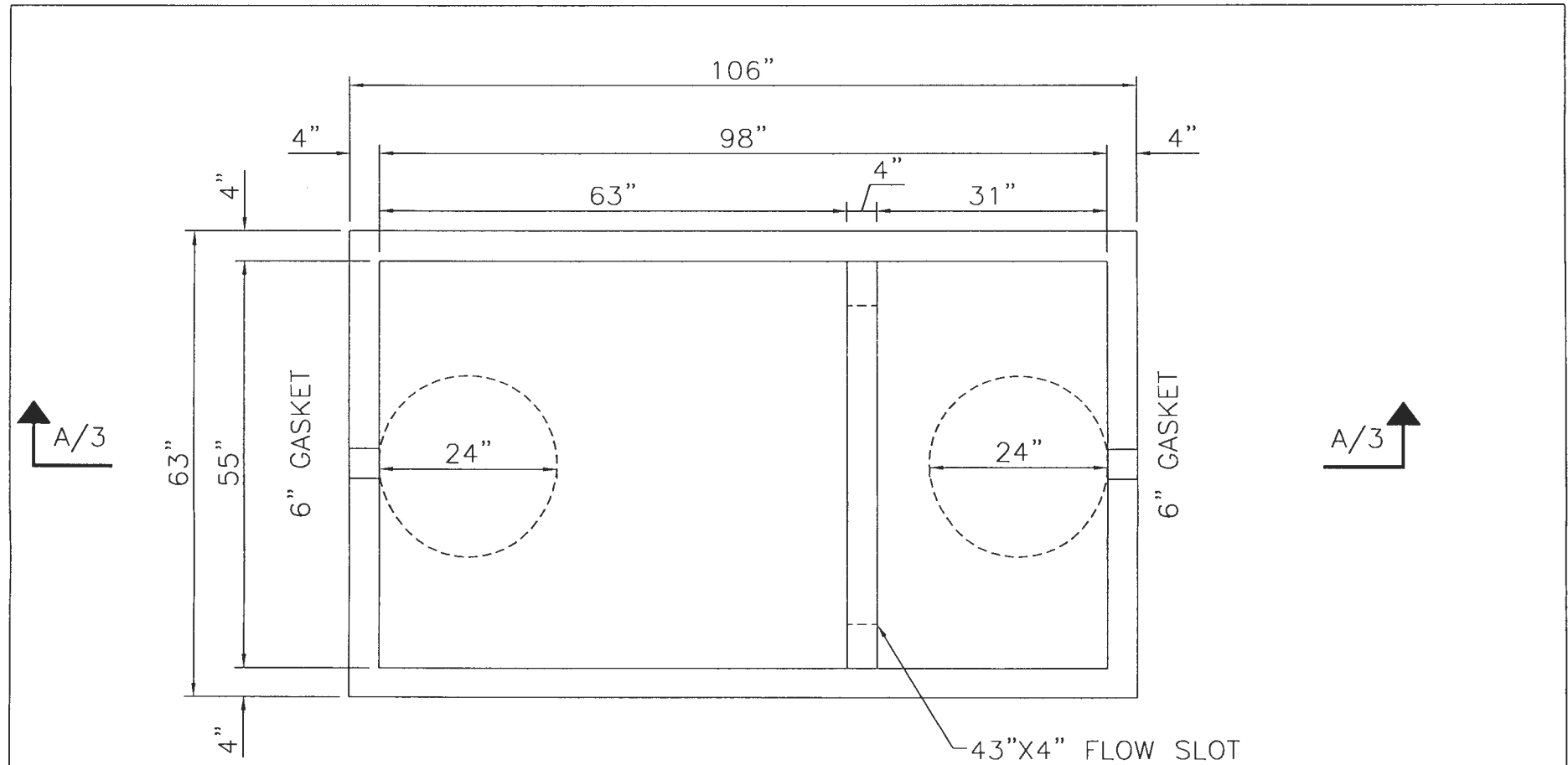


ADDITIONAL REINFORCEMENT
AROUND PIPE OPENING

PROJECT:

FAIRFAX CO HELLIPORT

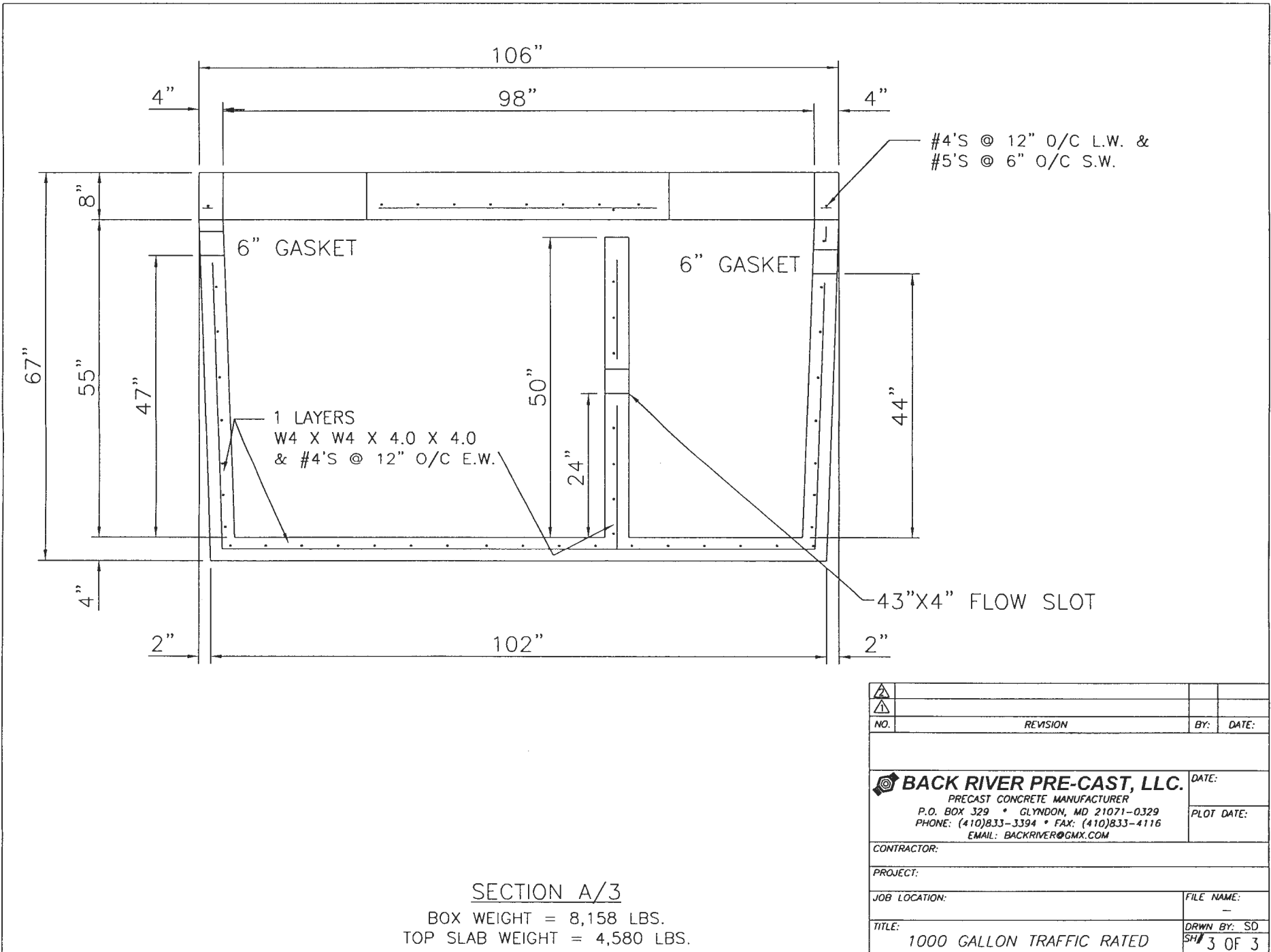
▲				
▲				
NO.	REVISION	BY:	DATE:	
		DATE:		
BACK RIVER PRE-CAST, LLC.		PLOT DATE:		
<small>PRECAST CONCRETE MANUFACTURER</small>				
<small>P.O. BOX 329 * GLYNDON, MD 21071-0329</small>				
<small>PHONE: (410)833-3394 * FAX: (410)833-4116</small>				
<small>EMAIL: BACKRIVER@GMX.COM</small>				
<small>CONTRACTOR:</small>				
- - - -				
<small>PROJECT:</small>				
<small>JOB LOCATION:</small>				<small>FILE NAME:</small>
				-
<small>TITLE:</small>				<small>DRWN BY: SD</small>
COVER SHEET				SH# 1 OF 3



PLAN VIEW [W/ TOP SLAB]

BOX WEIGHT = 8,158 LBS.
 TOP SLAB WEIGHT = 4,580 LBS.

△			
△			
NO.	REVISION	BY:	DATE:
BACK RIVER PRE-CAST, LLC. DATE: _____ PRECAST CONCRETE MANUFACTURER P.O. BOX 329 • GLYNDON, MD 21071-0329 PLOT DATE: _____ PHONE: (410)833-3394 • FAX: (410)833-4116 EMAIL: BACKRIVER@GMX.COM			
CONTRACTOR:			
PROJECT:			
JOB LOCATION:		FILE NAME:	
TITLE:		DRWN BY: SD	
1000 GALLON TRAFFIC RATED		SH# 2 OF 3	



#4'S @ 12" O/C L.W. &
#5'S @ 6" O/C S.W.

6" GASKET

6" GASKET

1 LAYERS
W4 X W4 X 4.0 X 4.0
& #4'S @ 12" O/C E.W.

43"X4" FLOW SLOT

SECTION A/3
BOX WEIGHT = 8,158 LBS.
TOP SLAB WEIGHT = 4,580 LBS.

NO.	REVISION	BY:	DATE:
<p>BACK RIVER PRE-CAST, LLC. DATE:</p> <p>PRECAST CONCRETE MANUFACTURER</p> <p>P.O. BOX 329 • GLYNDON, MD 21071-0329 PLOT DATE:</p> <p>PHONE: (410)833-3394 • FAX: (410)833-4116</p> <p>EMAIL: BACKRIVER@GMX.COM</p>			
CONTRACTOR:			
PROJECT:			
JOB LOCATION:		FILE NAME:	
TITLE:		DRAWN BY: SD	
1000 GALLON TRAFFIC RATED		SH# 3 OF 3	