



Minnesota Pollution Control Agency

520 Lafayette Road North
St. Paul, MN 55155-4194

Compliance Inspection Form
Existing Subsurface Sewage Treatment Systems (SSTs)

Doc Type: Compliance and Enforcement

Inspection results based on Minnesota Pollution Control Agency (MPCA) requirements and attached forms – additional local requirements may also apply.

Submit completed form to Local Unit of Government (LUG) and system owner within 15 days

For local tracking purposes:

System Status

System status on date (mm/dd/yyyy): 6/5/2019

[X] Compliant – Certificate of Compliance
(Valid for 3 years from report date, unless shorter time frame outlined in Local Ordinance.)

[] Noncompliant – Notice of Noncompliance
(See Upgrade Requirements on page 3.)

Reason(s) for noncompliance (check all applicable)

- [] Impact on Public Health (Compliance Component #1) – Imminent threat to public health and safety
[] Other Compliance Conditions (Compliance Component #3) – Imminent threat to public health and safety
[] Tank Integrity (Compliance Component #2) – Failing to protect groundwater
[] Other Compliance Conditions (Compliance Component #3) – Failing to protect groundwater
[] Soil Separation (Compliance Component #4) – Failing to protect groundwater
[] Operating permit/monitoring plan requirements (Compliance Component #5) – Noncompliant

Property Information

Parcel ID# or Sec/Twp/Range: 2102921130016

Property address: 8605 27th St N Lake Elmo, MN 55042 Reason for inspection: Property Transfer

Property owner: Dan Marsella Owner's phone: 612-209-6312

Owner's representative: Representative phone:

Local regulatory authority: Washington County Regulatory authority phone: 651-430-6655

Brief system description: 2 Septic Tanks to Gravity Drainfield

Comments or recommendations:

Certification

I hereby certify that all the necessary information has been gathered to determine the compliance status of this system. No determination of future system performance has been nor can be made due to unknown conditions during system construction, possible abuse of the system, inadequate maintenance, or future water usage.

Inspector name: Dave Brown Certification number: 9370

Business name: David R Brown License number: 3649

Inspector signature: [Signature] Phone number: 651-788-3296

Necessary or Locally Required Attachments

- [X] Soil boring logs [X] System/As-built drawing [] Forms per local ordinance
[] Other information (list):

1. Impact on Public Health – Compliance component #1 of 5

Compliance criteria:

System discharges sewage to the ground surface.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
System discharges sewage to drain tile or surface waters.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
System causes sewage backup into dwelling or establishment.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Any “yes” answer above indicates the system is an imminent threat to public health and safety.

Comments/Explanation:

Verification method(s):

- Searched for surface outlet
- Searched for seeping in yard/backup in home
- Excessive ponding in soil system/D-boxes
- Homeowner testimony (See Comments/Explanation)
- “Black soil” above soil dispersal system
- System requires “emergency” pumping
- Performed dye test
- Unable to verify (See Comments/Explanation)
- Other methods not listed (See Comments/Explanation)

2. Tank Integrity – Compliance component #2 of 5

Compliance criteria:

System consists of a seepage pit, cesspool, drywell, or leaching pit. <i>Seepage pits meeting 7080.2550 may be compliant if allowed in local ordinance.</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Sewage tank(s) leak below their designed operating depth. If yes, which sewage tank(s) leaks:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Any “yes” answer above indicates the system is failing to protect groundwater.

Comments/Explanation:

Verification method(s):

- Probed tank(s) bottom
- Examined construction records
- Examined Tank Integrity Form (Attach)
- Observed liquid level below operating depth
- Examined empty (pumped) tanks(s)
- Probed outside tank(s) for “black soil”
- Unable to verify (See Comments/Explanation)
- Other methods not listed (See Comments/Explanation)

3. Other Compliance Conditions – Compliance component #3 of 5

- a. Maintenance hole covers are damaged, cracked, unsecured, or appear to be structurally unsound. Yes* No Unknown
- b. Other issues (electrical hazards, etc.) to immediately and adversely impact public health or safety. Yes* No Unknown
***System is an imminent threat to public health and safety.**

Explain:

- c. System is non-protective of ground water for other conditions as determined by inspector. Yes* No
***System is failing to protect groundwater.**

Explain:

4. Soil Separation – Compliance component #4 of 5

Date of installation: _____ Unknown
(mm/dd/yyyy)

Shoreland/Wellhead protection/Food beverage lodging? Yes No

Compliance criteria:

For systems built prior to April 1, 1996, and not located in Shoreland or Wellhead Protection Area or not serving a food, beverage or lodging establishment: Yes No

Drainfield has at least a two-foot vertical separation distance from periodically saturated soil or bedrock.

Non-performance systems built April 1, 1996, or later or for non-performance systems located in Shoreland or Wellhead Protection Areas or serving a food, beverage, or lodging establishment: Yes No

Drainfield has a three-foot vertical separation distance from periodically saturated soil or bedrock.*

“Experimental”, “Other”, or “Performance” systems built under pre-2008 Rules; Type IV or V systems built under 2008 Rules (7080.2350 or 7080.2400 (Advanced Inspector License required) Yes No

Drainfield meets the designed vertical separation distance from periodically saturated soil or bedrock.

Any “no” answer above indicates the system is failing to protect groundwater.

Verification method(s):

Soil observation does not expire. Previous soil observations by two independent parties are sufficient, unless site conditions have been altered or local requirements differ.

- Conducted soil observation(s) (Attach boring logs)
- Two previous verifications (Attach boring logs)
- Not applicable (Holding tank(s), no drainfield)
- Unable to verify (See Comments/Explanation)
- Other (See Comments/Explanation)

Comments/Explanation:

Indicate depths or elevations

A. Bottom of distribution media	35"
B. Periodically saturated soil/bedrock	80"
C. System separation	45"
D. Required compliance separation*	36"

*May be reduced up to 15 percent if allowed by Local Ordinance.

5. Operating Permit and Nitrogen BMP* – Compliance component #5 of 5 Not applicable

Is the system operated under an Operating Permit? Yes No If “yes”, A below is required

Is the system required to employ a Nitrogen BMP? Yes No If “yes”, B below is required

BMP = Best Management Practice(s) specified in the system design

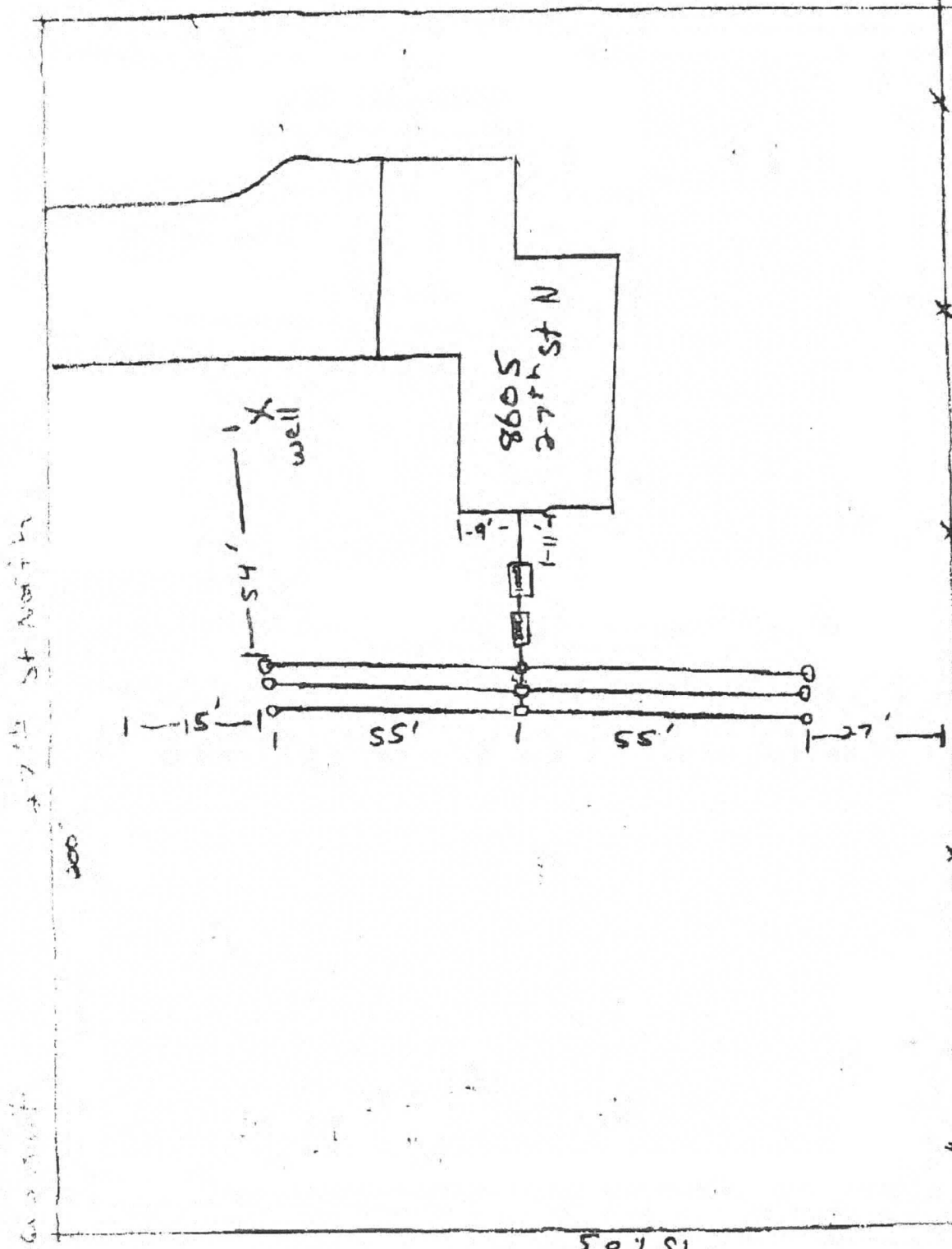
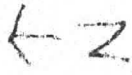
If the answer to both questions is “no”, this section does not need to be completed.

Compliance criteria

- a. Operating Permit number: _____ Yes No
Have the Operating Permit requirements been met?
- b. Is the required nitrogen BMP in place and properly functioning? Yes No

Any “no” answer indicates Noncompliance.

Upgrade Requirements (Minn. Stat. § 115.55) An imminent threat to public health and safety (ITPHS) must be upgraded, replaced, or its use discontinued within ten months of receipt of this notice or within a shorter period if required by local ordinance. If the system is failing to protect ground water, the system must be upgraded, replaced, or its use discontinued within the time required by local ordinance. If an existing system is not failing as defined in law, and has at least two feet of design soil separation, then the system need not be upgraded, repaired, replaced, or its use discontinued, notwithstanding any local ordinance that is more strict. This provision does not apply to systems in shoreland areas, Wellhead Protection Areas, or those used in connection with food, beverage, and lodging establishments as defined in law.



2-1000 gal septic tanks supplied by Superior concrete

*M. A. Schmidt Reg. # 4996
T.A. Schmidt & Sons Exc. Inc Lic # 2013

15103

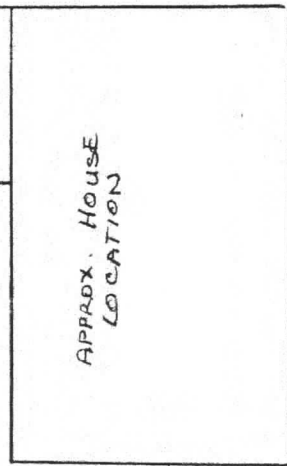
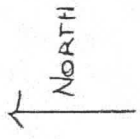
CHRIS NITZBARDY
LOT 2
CARLONE ADDITION
LAKE ELMO

151.49

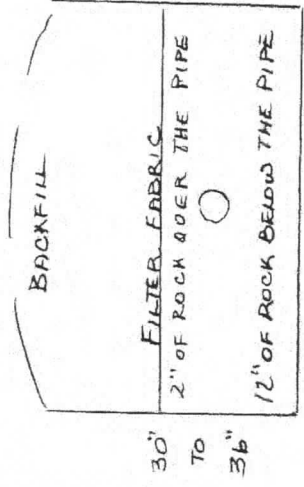
27 TH STREET NORTH
200'

SCALE: 1" = APPROX. 20'

NOT A SURVEY
VERIFY LOT LINES



WELL



36"
DRAINFIELD CROSS SECTION
NO SCALE

TWO 1000 GAL.
SEPTIC TANKS - 24"
MANHOLES + 4"
CLEAN OUTS TO
GRADE

1000 SQ. FT. DRAINFIELD

6 RUNS - 60' LONG

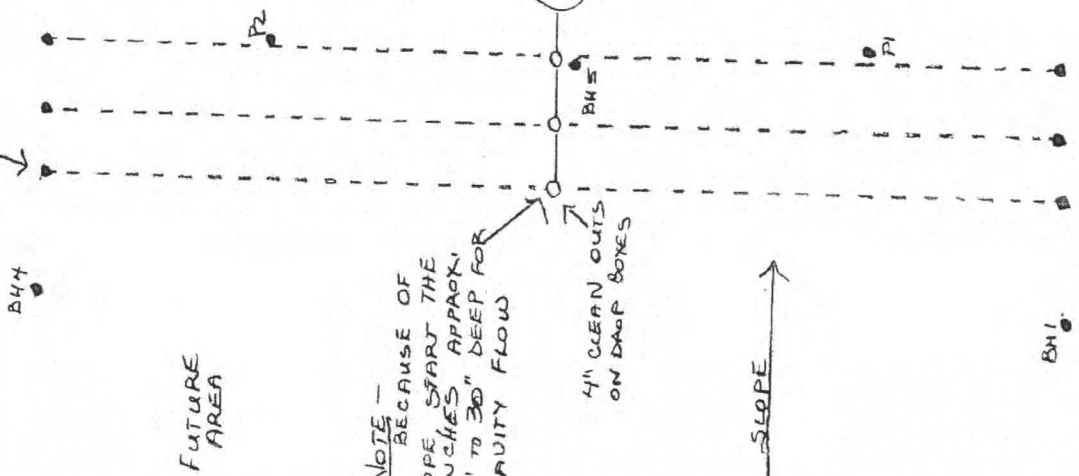
36" WIDE - 30" TO 36" DEEP

7' L" CENTER TO CENTER
TRENCH SPACING

FOLLOW THE CONTOURS

KEEP BOTTOM OF
TRENCH LEVEL

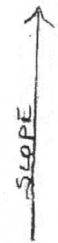
4" INSP.
PIPES



FUTURE
AREA

NOTE -
BECAUSE OF
SLOPE START THE
TRENCHES APPROX.
24" TO 30" DEEP FOR
GRAVITY FLOW

4" CLEAN OUTS
ON DROP BOXES



BH3

BH4

BH3

BH1

BH2

151.03

LOT 2, 27TH ST. N.
BUX LAKE 54000

BORING LOG

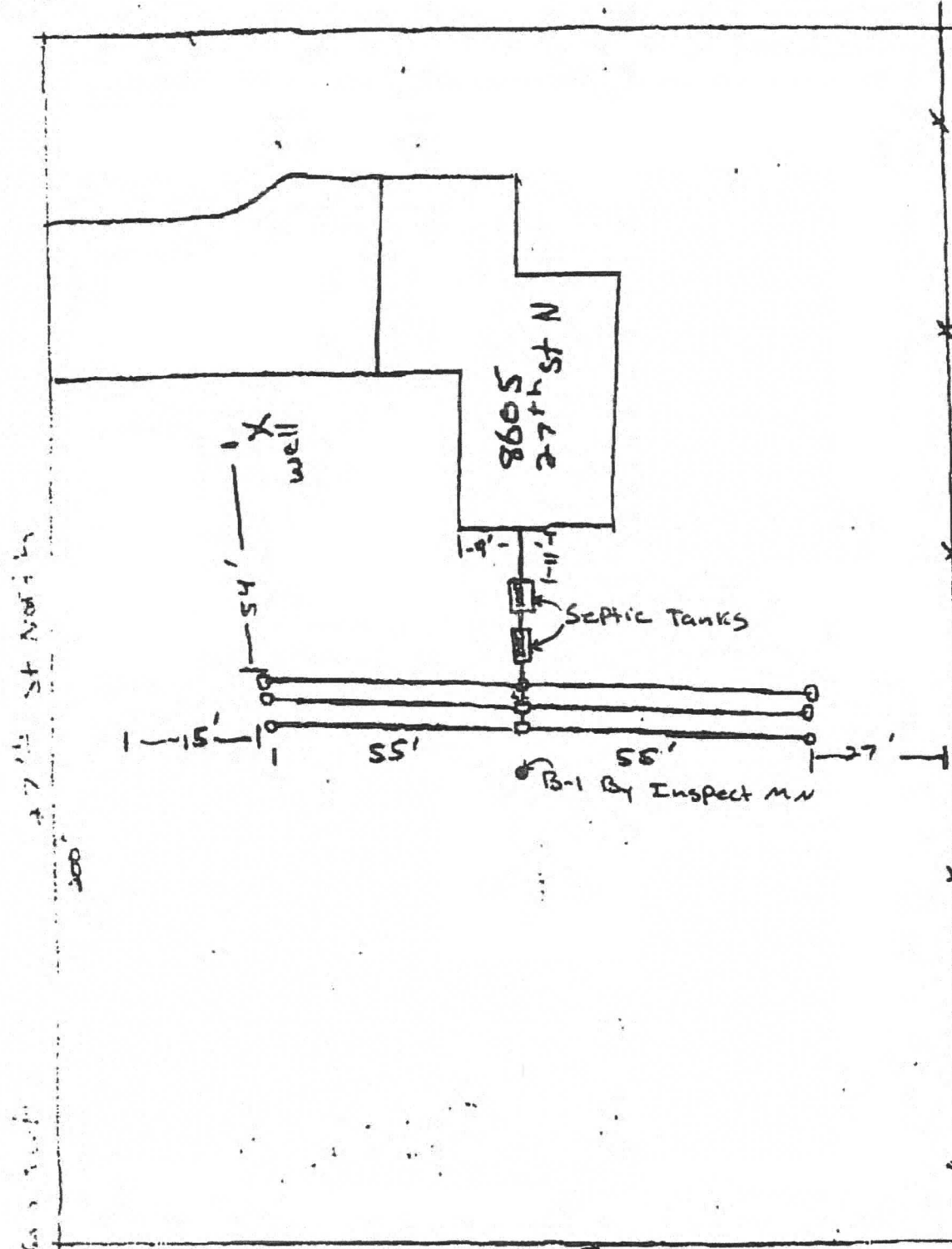
WAS LOTS 3 & 4

DATE 5-8-01

BOREHOLE DIAMETER 4" 3/8" - 2 1/8" HAND AUGER

DEPTH FEET	HOLE #1	HOLE #2	HOLE #3	HOLE #4	HOLE #5	SOIL CLASSIFICATION
1	TOP SOIL	TOP SOIL	TOP SOIL	TOP SOIL	TOP SOIL	YELLOWISH BROWN LOAM 10YR 5/8
2	YELLOWISH BROWN LOAM	YELLOWISH BROWN LOAM	YELLOWISH BROWN LOAM	BROWN, SANDY LOAM	BROWN, SANDY LOAM	BROWN LOAM 7.5YR 4/4
3	BROWN, SANDY LOAM	BROWN, SANDY LOAM	DARK BROWN LOAM	BROWN, SANDY LOAM	BROWN, SANDY LOAM	DARK BROWN LOAM 7.5YR 3/4
4			YELLOWISH BROWN LOAM			
5			BROWN, SANDY LOAM			
6	STOP	STOP	STOP	STOP	OBSTRUCTION STOP	
7						
8	OKAY 6'±	OKAY 6'±	OKAY 6'±	OKAY 6'±	OKAY 5'6"±	
9						
10						

← N



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Log Of Soil Borings

Location of Project:		8605 27th St N, Lake Elmo, MN 55042	
Borings Made By:		Inspect Minnesota	Date: 8/9/10
Auger Used:		Hand/Bucket	Classification System: USDA
Boring Number:		1	Boring Number:
Surface Elevation of Boring	Same ground surface at last drop box inspection pipe		Surface Elevation of Boring
Depth In Inches	<u>Soils Encountered</u>		Depth In Inches
0-6	10YR 3/3 Silt Loam		
6-40	7.5YR 4/4 Sandy Clay Loam		
40-58	7.5YR 4/4 Sandy Loam		
58-80	7.5YR 4/4 Loamy Sand And Trace Gravel		
80"	Depth To End Of Boring Or Mottled Soils		Depth To End Of Boring Or Mottled Soils
Same	Elevation Of Boring Relative To System		Elevation Of Boring Relative To System
-35"	Depth To Bottom Of System		Depth To Bottom Of System
≥45"	Of Separation		Of Separation
End Of Boring At:		80"	End Of Boring At:
Mottled Soil Present At:		None	Mottled Soil Present At:
Standing Water Present At:		None	Standing Water Present At:

Bottom Of Distribution Medium At: 35 Inches