

PROPOSED LOT 2

SOIL EVALUATION REPORT

Wis. Dept. of Safety and Professional Services
Division of Safety and Buildings

in accordance with SPS 385, Wis. Adm. Code

Page 1 of 5

Attach complete site plan on paper not less than 8 1/2 x 11 inches in size. Plan must include, but not limited to: vertical and horizontal reference point (BM), direction and percent slope, scale or dimensions, north arrow, and location and distance to nearest road.

Please print all information.

Personal information you provide may be used for secondary purposes (Privacy Law, s. 15.04 (1) (m)).

County	DANE
Parcel I.D.	Part of 0906-224-9770-1
Reviewed by	Date

Property Owner Amy & Thomas Vils		Property Location SE 1/4 SE 1/4 S 22 T 9 N R 6 E (or) W ☒ ☐	
Property Owner's Mailing Address 10078 County Highway Y		Lot # 2	Block # Subd. Name or CSM# Proposed CSM
City Mazomanie	State WI	Zip Code 53560	Phone Number () () ()
☐ City ☐ Village ☒ Town		Nearest Road Mazomanie CTH "Y"	

☒ New Construction Use ☒ Residential / Number of bedrooms 3 Code derived design flow rate 450 GPD

☐ Replacement ☒ Public or commercial - Describe: _____

Parent material Glacial Outwash Flood Plain elevation if applicable N/A ft.

General comments and recommendations: Install AT-GRADE SYSTEM as shown. Soil Loading Rate = 0.7. Protect system site from soil compaction, disturbance, excavation, filling and vehicular traffic.

1 Boring # ☐ Boring ☒ Pit Ground surface elev. 99.0 ft. Depth to limiting factor 42 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									*Eff#1	*Eff#2
1	0-6	10YR 3/2	none	ls	2fgr	mvfr	cs	2f	0.7	
2	6-18	10YR 4/3	none	ls	0sg	ml	cs	1f	0.7	1.6
3	18-42	10YR 5/4	none	ls	0sg	ml	cs	--	0.7	1.6
4	42-59	10YR 5/4	c2d 10YR 5/8	ls	0sg	ml	cs	--	0.7	1.6
5	59-70	10YR 6/4	c2d 10YR 5/8 & 6/2	fs	0sg	ml	--	--	0.5	1.0

2 Boring # ☐ Boring ☒ Pit Ground surface elev. 99.2 ft. Depth to limiting factor 42 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									*Eff#1	*Eff#2
1	0-4	10YR 3/2	none	ls	2fgr	mvfr	cs	2f	0.7	1.6
2	4-13	10YR 4/3	none	ls	0sg	ml	cs	1f	0.7	1.6
3	13-42	10YR 6/4	none	fs	0sg	ml	cs	--	0.5	1.0
4	42-60	10YR 6/4	c2d 10YR 5/8 & 6/2	fs	0sg	ml	--	--	0.5	1.0

* Effluent #1 = BOD $\leq 30 \leq 220$ mg/L and TSS $> 30 \leq 150$ mg/L

* Effluent #2 = BOD ≤ 30 mg/L and TSS ≤ 30 mg/L

CST Name (Please Print) Richard C. Herro-Rick Herro Soil Testing, LLC	Signature <i>Richard C. Herro</i>	CST Number 71536
Address 603 N. Dewey Avenue, Jefferson, WI. 53549	Date Evaluation Conducted 5-29-2025	Telephone Number 920-650-6788

Property Owner VILS Parcel ID # Part of 0906-224-0770-1 Page 2 of 5

☒ Boring # 3 ☐ Pit Ground surface elev. 97.4 ft. Depth to limiting factor 38 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft ²	
									*Eff#1	*Eff#2
1	0-9	10YR 3/2	none	ls	2fgr	mvfr	cs	2f	0.7	1.6
2	9-16	10YR 4/3	none	ls	0sg	ml	cs	1f	0.7	1.6
3	16-38	10YR 6/4	none	fs	0sg	ml	cs	--	0.5	1.6
4	38-40	10YR 6/4	c2d 10YR 5/8 & 6/2	fs	0sg	ml	--	--	0.5	1.0

☐ Boring # ☐ Pit Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft ²	
									*Eff#1	*Eff#2

☐ Boring # ☐ Pit Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft ²	
									*Eff#1	*Eff#2

* Effluent #1 = BOD₅ > 30 ≤ 220 mg/L and TSS >30 ≤ 150 mg/L

* Effluent #2 = BOD₅ ≤ 30 mg/L and TSS ≤ 30 mg/L

The Dept. of Safety and Professional Services is an equal opportunity service provider and employer. If you need assistance to access services or need material in an alternate format, contact the department at 608-266-3151 or TTY through Relay.

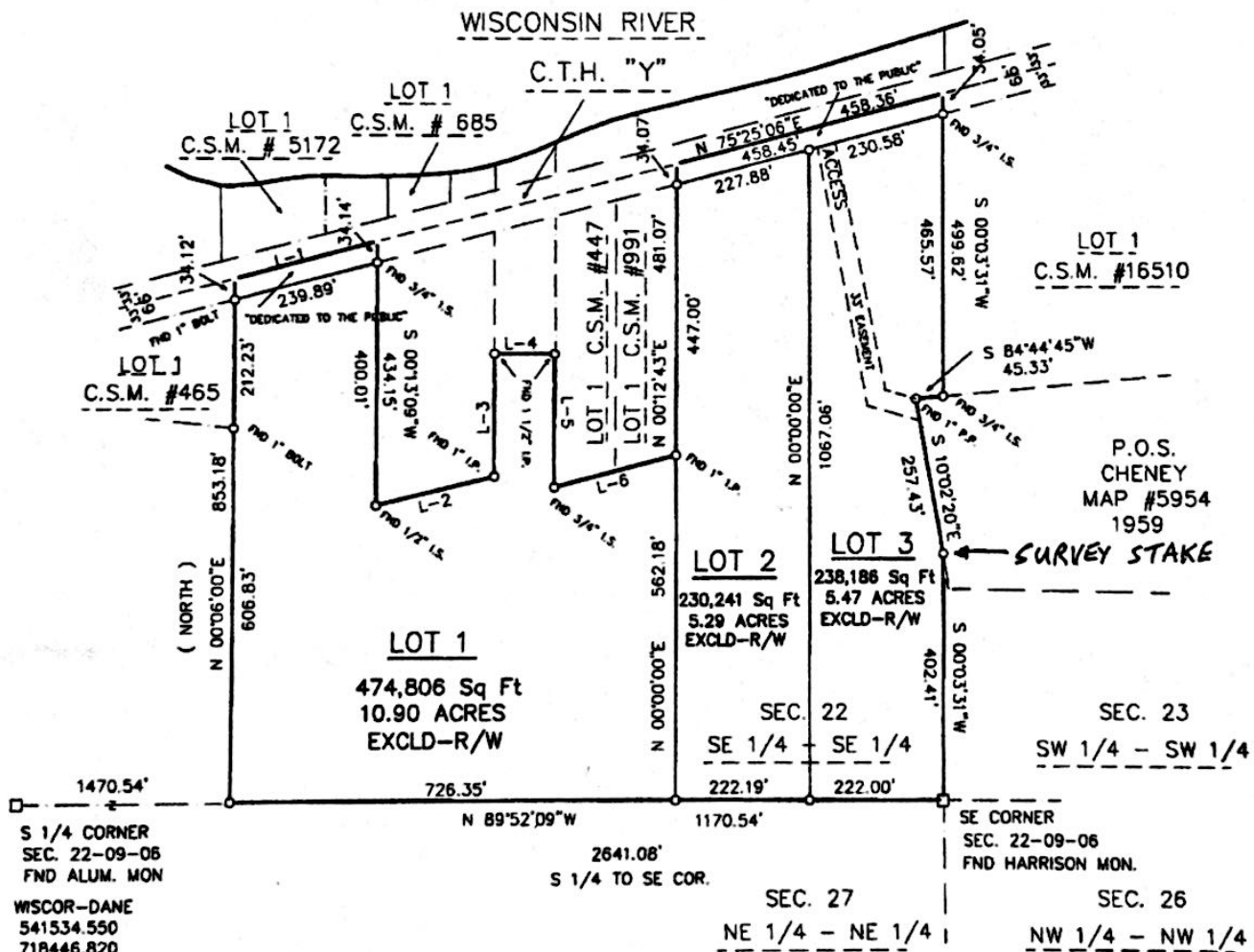
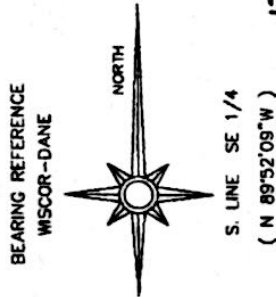
300 0 300 600 900

GRAPHIC SCALE - FEET SCALE 1" = 300 Ft

PROPOSED CERTIFIED SURVEY MAP

SURVEYED FOR:
TOM & AMY VLS
10086 HWY Y
MAZOMANIE, WI 53560

- O = 3/4" x 24" SOLID IRON ROD SET
1.50 LBS./FT. MINIMUM WEIGHT
UNLESS OTHERWISE STATED
() = RECORDED INFORMATION
I.P. = IRON PIPE
I.S. = IRON STAKE
P.P. = PINCHED PIPE



COURSE	BEARING	DISTANCE
L-1	N 75°28'18"E	239.96'
L-2	N 76°20'46"E	199.97'
L-3	N 00°00'50"W	203.00'
L-4	S 89°45'08"E	100.11'
L-5	S 00°08'37"W	220.37'
L-6	N 75°29'01"E	207.02'

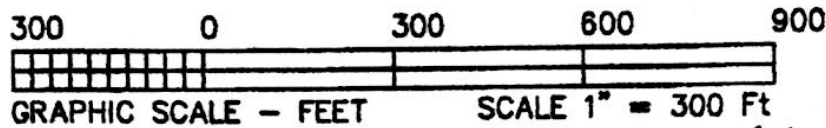
{ NORTH }
{ EAST 100.00"}
{ SOUTH }
{ N 75°18'00"W 206.71'}

NOTES:
WETLANDS, IF PRESENT, HAVE NOT BEEN DELINEATED, THIS SURVEY IS SUBJECT TO ANY AND ALL EASEMENTS AND AGREEMENTS, RECORDED AND UNRECORDED, REFER TO BUILDING SITE INFORMATION CONTAINED IN THE DANE COUNTY SOIL SURVEY.

DISTANCES MEASURED TO THE NEAREST HUNDRETH OF A FOOT
BEARINGS MEASURED TO THE NEAREST 5"

ALL PLSS WITNESS MONUMENTS HAVE BEEN FOUND AND VERIFIED
PER THE MOST CURRENT MONUMENT RECORD ON FILE

PART OF THE SE 1/4 OF THE SE 1/4, SECTION 22, T09N R06E, TOWN OF MAZOMANIE, DANE COUNTY, WISCONSIN.



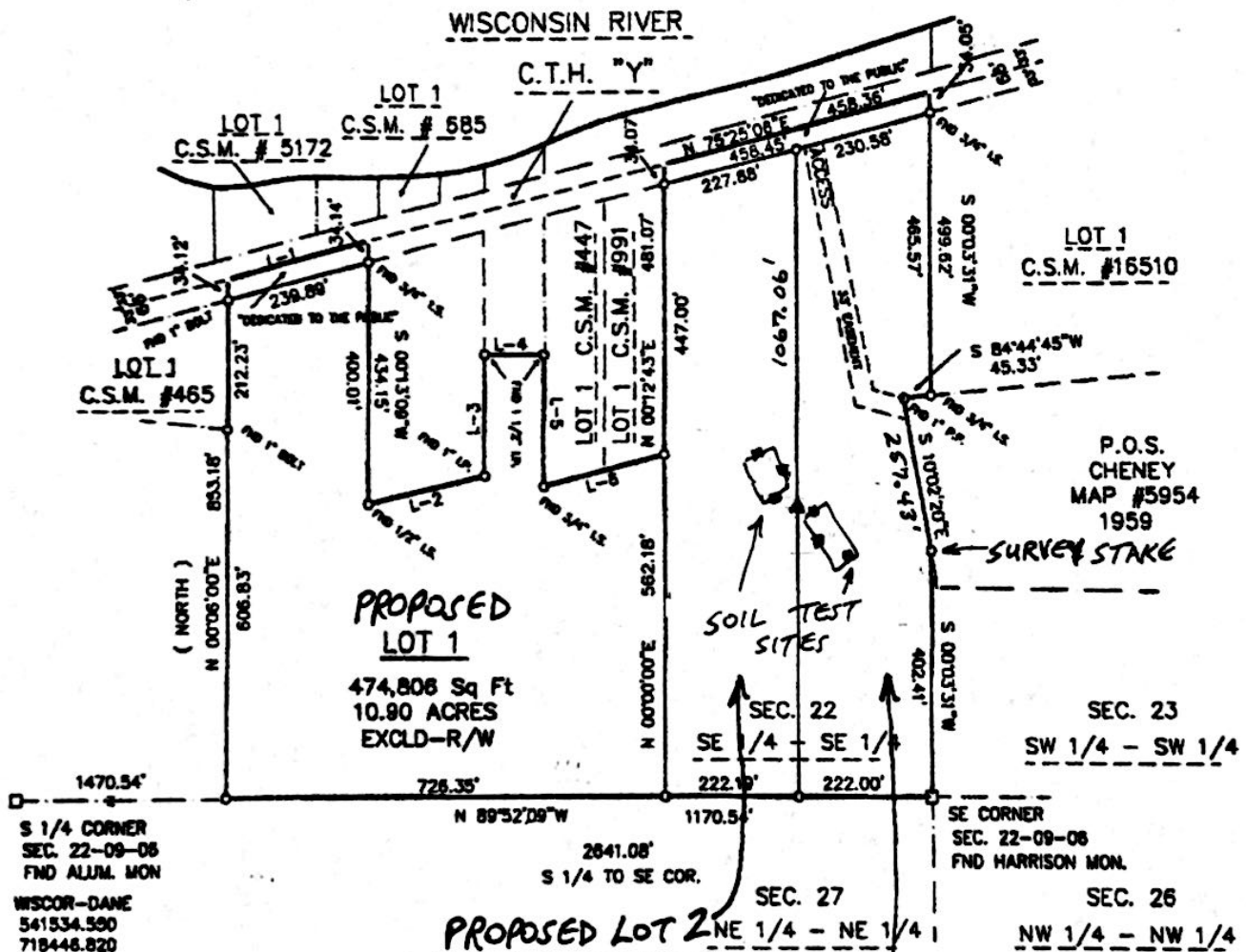
PROPOSED CERTIFIED SURVEY MAP



LEGEND

- O = 3/4" x 24" SOLID IRON ROD SET
- 1.50 LBS./FT. MINIMUM WEIGHT UNLESS OTHERWISE STATED
- () = RECORDED INFORMATION
- LP. = IRON PIPE
- LS. = IRON STAKE
- P.P. = PINCHED PIPE

SURVEYED FOR:
TOM & AMY VLS
10088 HWY Y
MAZOMANIE, WI 53560



COURSE	BEARING	DISTANCE
L-1	N 75°28'18"E	239.96'
L-2	N 76°20'46"E	199.97'
L-3	N 00°00'50"W	203.00'
L-4	S 89°45'08"E	100.11'
L-5	S 00°08'37"W	220.37'
L-6	N 75°29'01"E	207.02'

(NORTH)
(EAST 100.00')
(SOUTH)
(N 75°18'00"W 208.71')

NOTES:
WETLANDS, IF PRESENT, HAVE NOT BEEN DELINEATED. THIS SURVEY IS SUBJECT TO ANY AND ALL EASEMENTS AND AGREEMENTS, RECORDED AND UNRECORDED, REFER TO BUILDING SITE INFORMATION CONTAINED IN THE DANE COUNTY SOIL SURVEY.

DISTANCES MEASURED TO THE NEAREST HUNDREDTH OF A FOOT
BEARINGS MEASURED TO THE NEAREST 5"

ALL PLUS WITNESS MONUMENTS HAVE BEEN FOUND AND VERIFIED
PER THE MOST CURRENT MONUMENT RECORD ON FILE

☒ SOIL EVALUATION
SITE MAP

PROJECT NAME:

AMY & THOMAS VILS

PROJECT ADDRESS: CTH "Y"

BM Symbol:

BM Elevation: 100.0 FT

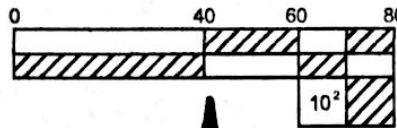
BM Description: NAIL SET IN OAK TREE AS SHOWN

**Slope Gradient (%)
of Tested Area:**

2-4%

Well Symbol (if applicable):

Scale: 1" = 40'



Indicate north by drawing an arrow on the appropriate line.

CHECK BOX AS APPLICABLE.

☐ SYSTEM
PLOT PLAN

PAGE 5 OF 5

DESIGN FLOW: 450 GPD

Attach design flow calculations for commercial plans.

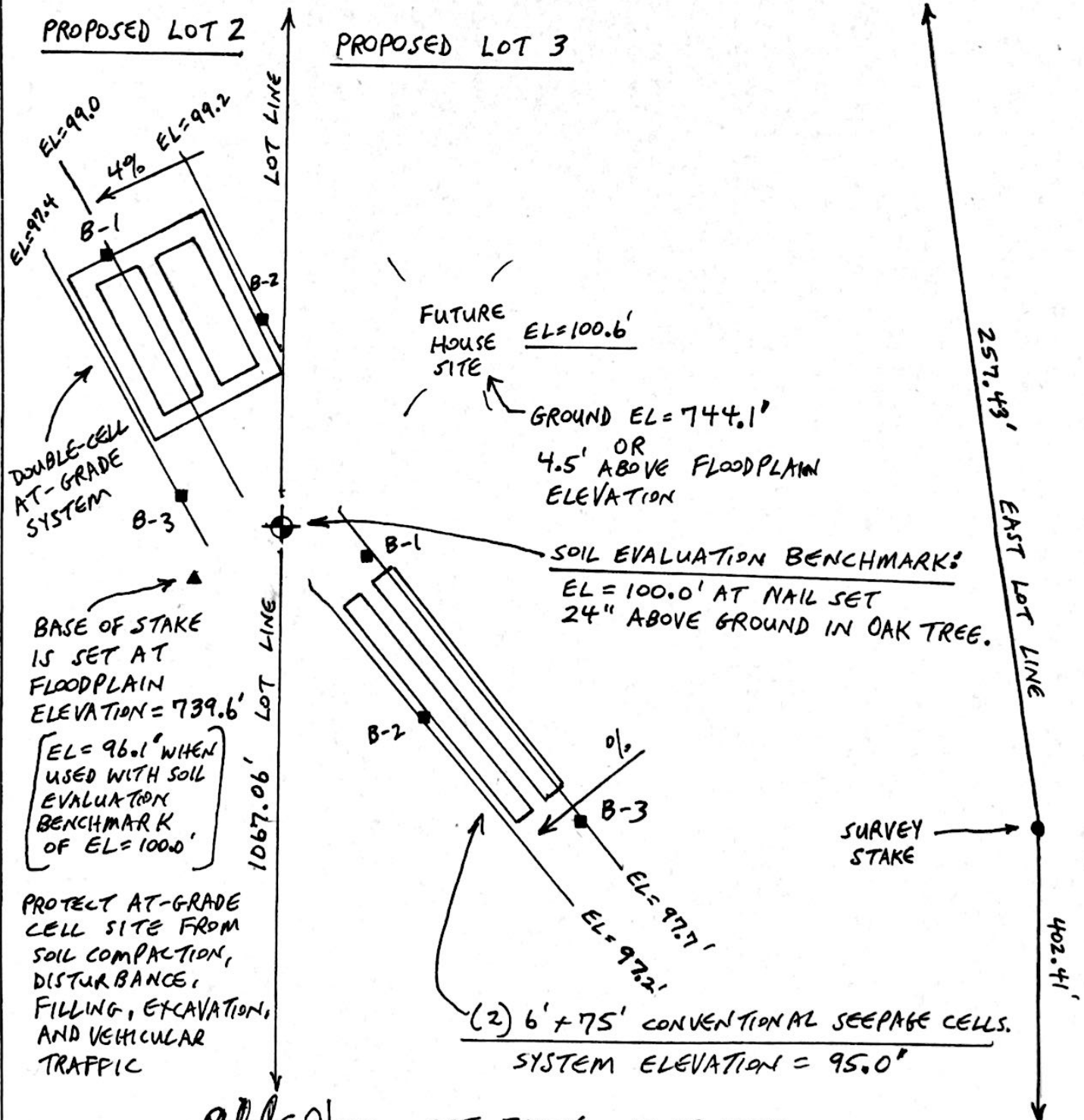
Pipe Material / ASTM Standard (Tables 384.30-3 & 384.30-5)

Sanitary Sewer: _____ / _____

Force Main: _____ / _____

IMPORTANT:

Show ground elevation contours at suitable intervals.



Rubel C Hays CST-71536 5-29-2025

PROPOSED LOT 3

SOIL EVALUATION REPORT

Wis. Dept. of Safety and Professional Services
Division of Safety and Buildings

Page 1 of 5

in accordance with SPS 385, Wis. Adm. Code

Attach complete site plan on paper not less than 8 1/2 x 11 inches in size. Plan must include, but not limited to: vertical and horizontal reference point (BM), direction and percent slope, scale or dimensions, north arrow, and location and distance to nearest road.

Please print all information.

Personal information you provide may be used for secondary purposes (Privacy Law, s. 15.04 (1) (m)).

Property Owner Amy & Thomas Vils		Property Location Govt. Lot SE 1/4 SE 1/4 S 22^T 9^N R 6^E (or) W	
Property Owner's Mailing Address 10078 County Highway Y		Lot # 3	Block # 3
City Mazomanie		Subd. Name or CSM# Proposed CSM	
State WI	Zip Code 53560	City ☐ City	Village ☐ Village
Phone Number () () ()		Town Mazomanie	
		Nearest Road CTH "Y"	

☒ New Construction	Use ☒ Residential / Number of bedrooms 3	Code derived design flow rate 450 GPD
☐ Replacement	☒ Public or commercial - Describe: Glacial Outwash	
Parent material Glacial Outwash		Flood Plain elevation if applicable N/A ft.
General comments and recommendations: Install Conventional Seepage Cells as shown. Soil Loading Rate = 0.5. System Elevation = 95.0'.		

1 Boring # ☐ Boring ☒ Pit Ground surface elev. **97.7** ft. Depth to limiting factor **80** in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ft ²	
1	0-12	10YR 3/2	none	ls	2fgr	mvfr	cs	2m	0.7	1.6
2	12-40	7.5YR 4/4	none	ls	0sg	ml	cs	2f	0.7	1.6
3	40-80	10YR 6/4	none	fs	0sg	ml	--	--	0.5	1.0

2 Boring # ☐ Boring ☒ Pit Ground surface elev. **97.2** ft. Depth to limiting factor **76** in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ft ²	
1	0-11	10YR 3/2	none	ls	2fgr	mvfr	cs	2f	0.7	1.6
2	11-48	7.5YR 4/4	none	ls	0sg	ml	cs	1f	0.7	1.6
3	48-76	10YR 6/4	none	fs	0sg	ml	--	--	0.5	1.0

* Effluent #1 = BOD₅ > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L

* Effluent #2 = BOD₅ ≤ 30 mg/L and TSS ≤ 30 mg/L

CST Name (Please Print) Richard C. Herro-Rick Herro Soil Testing, LLC		Signature <i>Richard C. Herro</i>	CST Number 71536
Address 603 N. Dewey Avenue, Jefferson, WI. 53549		Date Evaluation Conducted 5-29-2025	Telephone Number 920-650-6788

Property Owner VILS Parcel ID # Part of 0906-224-0770-1 Page 2 of 5

Boring # 3 ☐ Boring ☒ Pit Ground surface elev. 97.7 ft. Depth to limiting factor 72 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ft ²	
									*Eff#1	*Eff#2
1	0-9	10YR 3/2	none	ls	2fgr	mvfr	cs	2f	0.7	1.6
2	9-43	7.5YR 4/4	none	ls	0sg	ml	cs	1f	0.7	1.6
3	43-72	10YR 6/4	none	fs	0sg	ml	--	--	0.5	1.6

☐ Boring # ☐ Boring ☒ Pit Ground surface elev. _____ ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ft ²	
									*Eff#1	*Eff#2

☐ Boring # ☐ Boring ☒ Pit Ground surface elev. _____ ft. Depth to limiting factor _____ in.

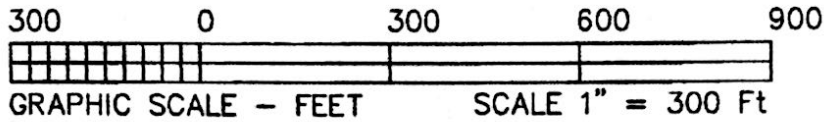
Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ft ²	
									*Eff#1	*Eff#2

* Effluent #1 = BOD₅ > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L

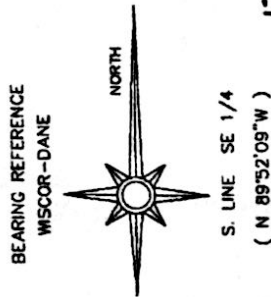
* Effluent #2 = BOD₅ ≤ 30 mg/L and TSS ≤ 30 mg/L

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PART OF THE SE 1/4 OF THE SE 1/4, SECTION 22, T09N R06E, TOWN OF MAZOMANIE, DANE COUNTY, WISCONSIN.



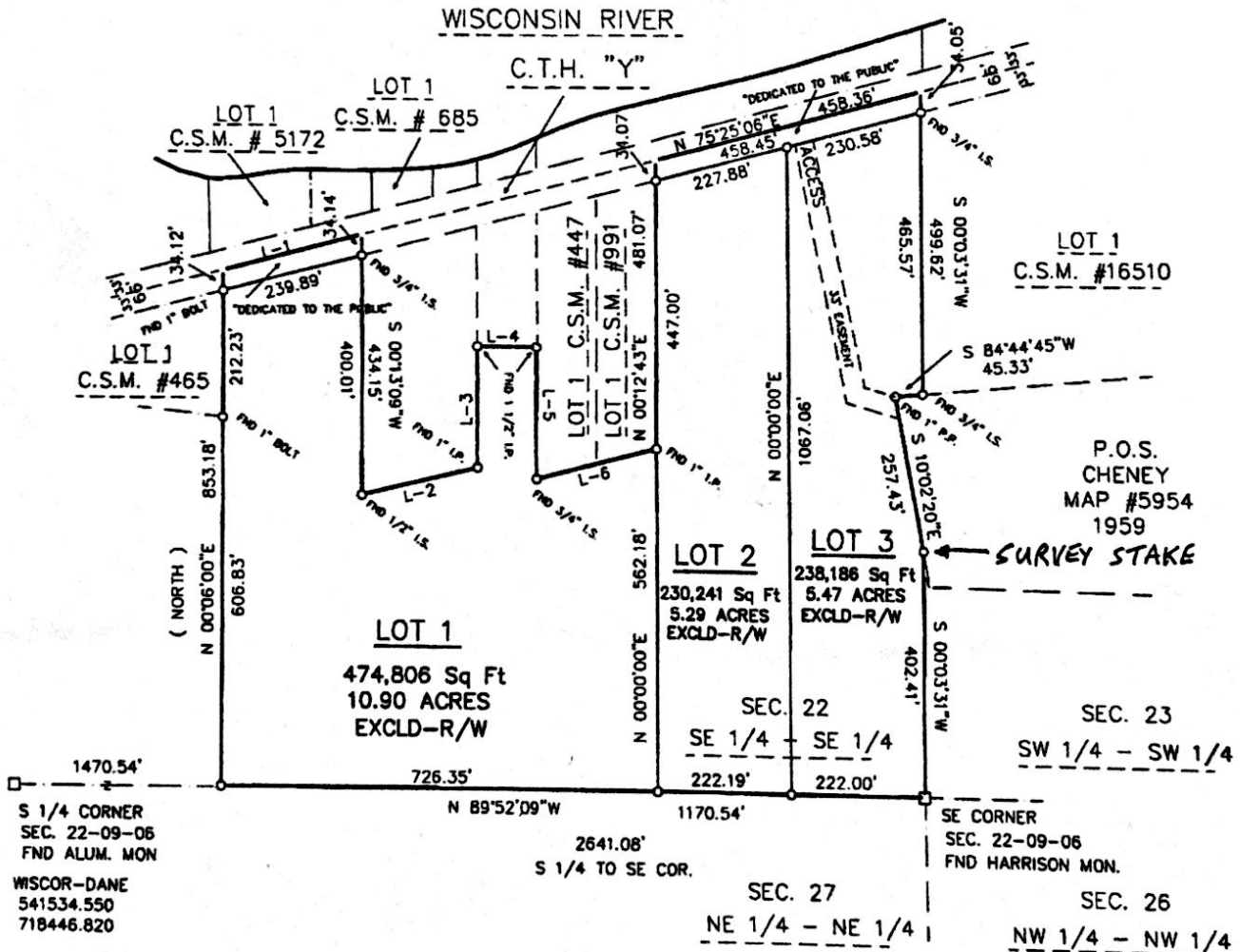
PROPOSED CERTIFIED SURVEY MAP



LEGEND

- O = 3/4" * 24" SOLID IRON ROD SET
- 1.50 LBS./FT. MINIMUM WEIGHT
- UNLESS OTHERWISE STATED
- () = RECORDED INFORMATION
- I.P. = IRON PIPE
- I.S. = IRON STAKE
- P.P. = PINCHED PIPE

SURVEYED FOR:
TOM & AMY VILS
10086 HWY Y
MAZOMANIE, WI 53560



COURSE	BEARING	DISTANCE
L-1	N 75°28'18"E	239.96'
L-2	N 76°20'46"E	199.97'
L-3	N 00°00'50"W	203.00'
L-4	S 89°45'08"E	100.11'
L-5	S 00°08'37"W	220.37'
L-6	N 75°29'01"E	207.02'

(NORTH)
(EAST 100.00")
(SOUTH)
(N 75°18'00"W 206.71")

NOTES:
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DISTANCES MEASURED TO THE NEAREST HUNDRETH OF A FOOT BEARINGS MEASURED TO THE NEAREST 5"

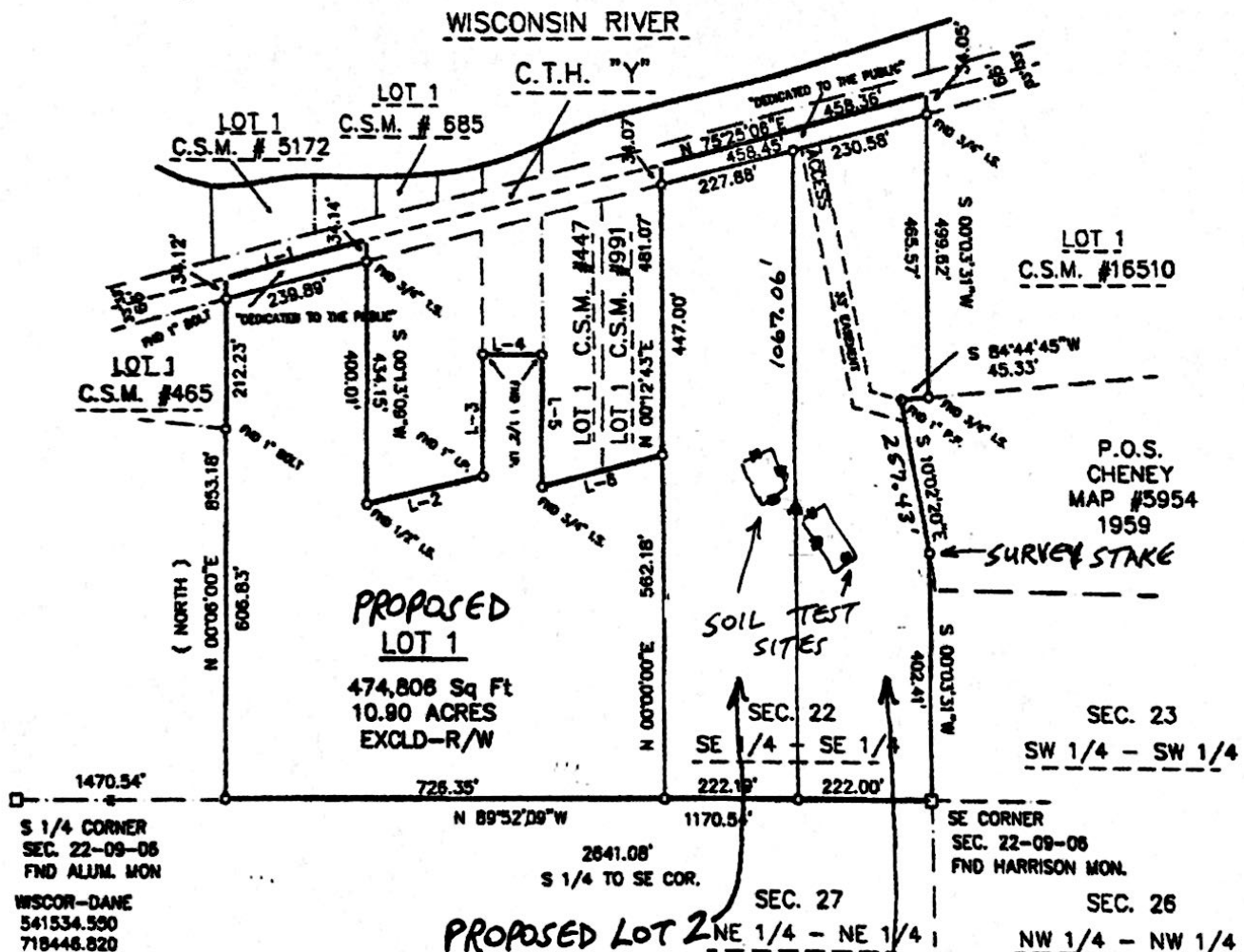
ALL PLSS WITNESS MONUMENTS HAVE BEEN FOUND AND VERIFIED PER THE MOST CURRENT MONUMENT RECORD ON FILE

300 0 300 600 900

GRAPHIC SCALE - FEET SCALE 1" = 300 Ft

LEGEND

- SURVEYED FOR:
TOM & AMY VILS
10088 HWY Y
MAZOMANIE, WI 53560**



COURSE	BEARING	DISTANCE
L-1	N 75°28'18"E	239.96'
L-2	N 76°20'48"E	199.97'
L-3	N 00°00'50"W	203.00'
L-4	S 89°45'08"E	100.11'
L-5	S 00°08'37"W	220.37'
L-6	N 75°29'01"E	207.02'

{ NORTH }
{ EAST 100.00"}
{ SOUTH }
{ N 75°18'00"W 206.71' }

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DISTANCES MEASURED TO THE NEAREST HUNDRETH OF A FOOT
BEARINGS MEASURED TO THE NEAREST 5°

ALL PLS WITNESS MONUMENTS HAVE BEEN FOUND AND VERIFIED
PER THE MOST CURRENT MONUMENT RECORD ON FILE

CHECK BOX AS APPLICABLE.

☒ **SOIL EVALUATION
SITE MAP**

PROJECT NAME:

AMY & THOMAS VILS

PROJECT ADDRESS:

CTH "Y"

BM Symbol:

BM Elevation:

100.0

FT

BM Description:

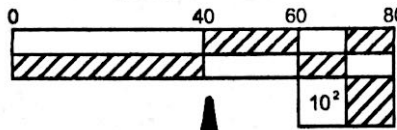
NAIL SET IN OAK TREE AS SHOWN

Slope Gradient (%)

2-4%

Well Symbol (if applicable):

Scale: 1" = 40'

Indicate north by
drawing an arrow
on the appropriate line.

CHECK BOX AS APPLICABLE.

☐ **SYSTEM
PLOT PLAN**

PAGE 5 OF 5

DESIGN FLOW:

450

GPD

Attach design flow calculations for commercial plans.

Pipe Material / ASTM Standard (Tables 384.30-3 & 384.30-5)

Sanitary Sewer:

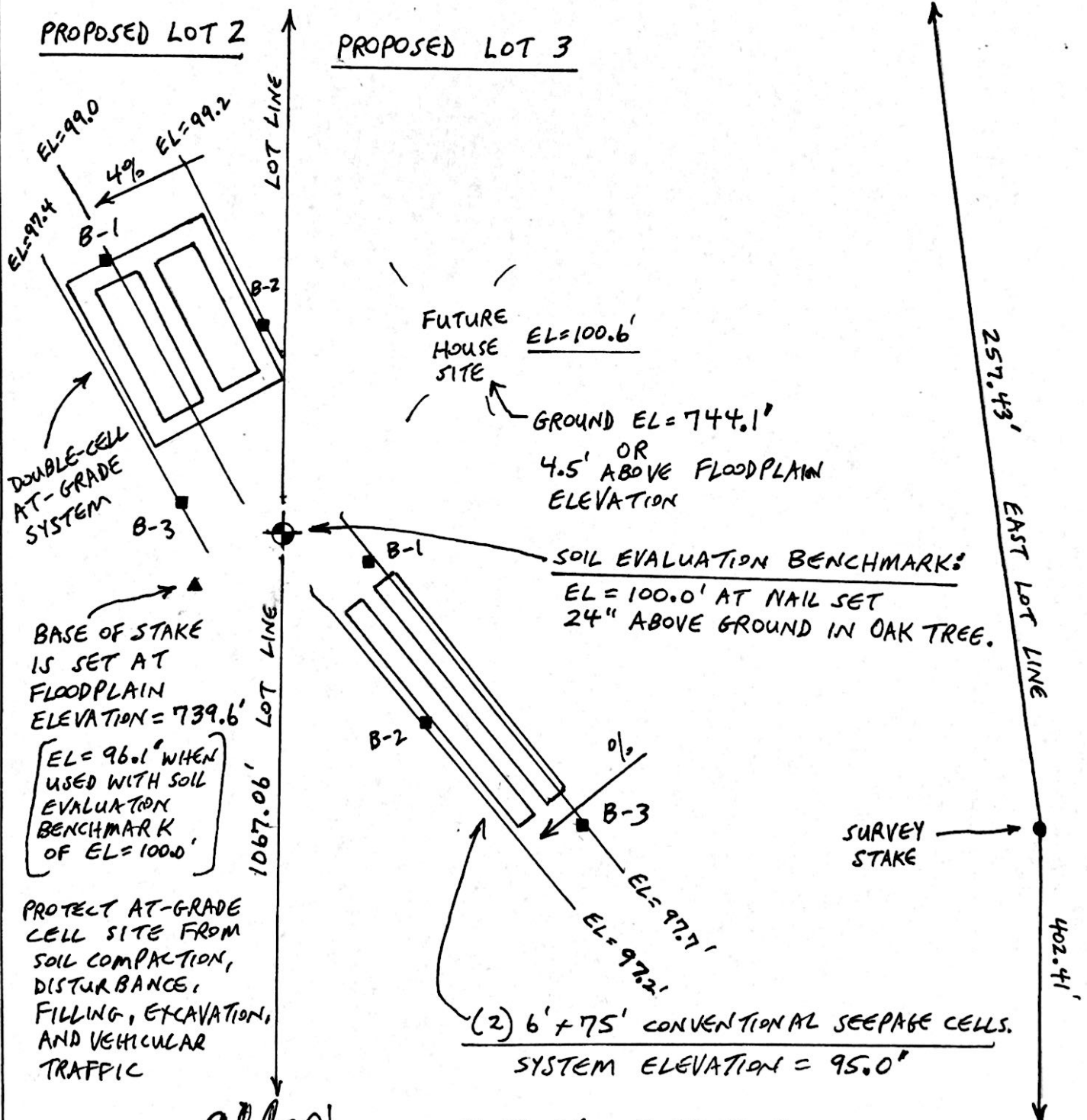
/

Force Main:

/

IMPORTANT:

Show ground elevation contours at suitable intervals.



Rafael C. Hower CST-71536 5-29-2025