HS

Bldr-2022-9871

CHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625

SEPTIC: IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM

PERMIT # OSWP-2022-3195

PIN # 4646-64-3765

OWNER: Cost Plus Construction

APPLICANT ADDRESS: PO BOX 3481, MOORESVILLE, NC 28115

SITE ADDRESS: 320 BRIDGEWATER LN, MOORESVILLE, NC 28117

SITE DIRECTIONS: S Williamson -> L Bridgewater -> lot on R, offsite on L

PHONE: (704) 965-1149 ALT. PHONE: 7043610047

SUBDIVISION: Hager Point SECTION: LOT #: 2 LOT AREA: 0.46 SAP CONTROLLED: YES ☐ NO ☑

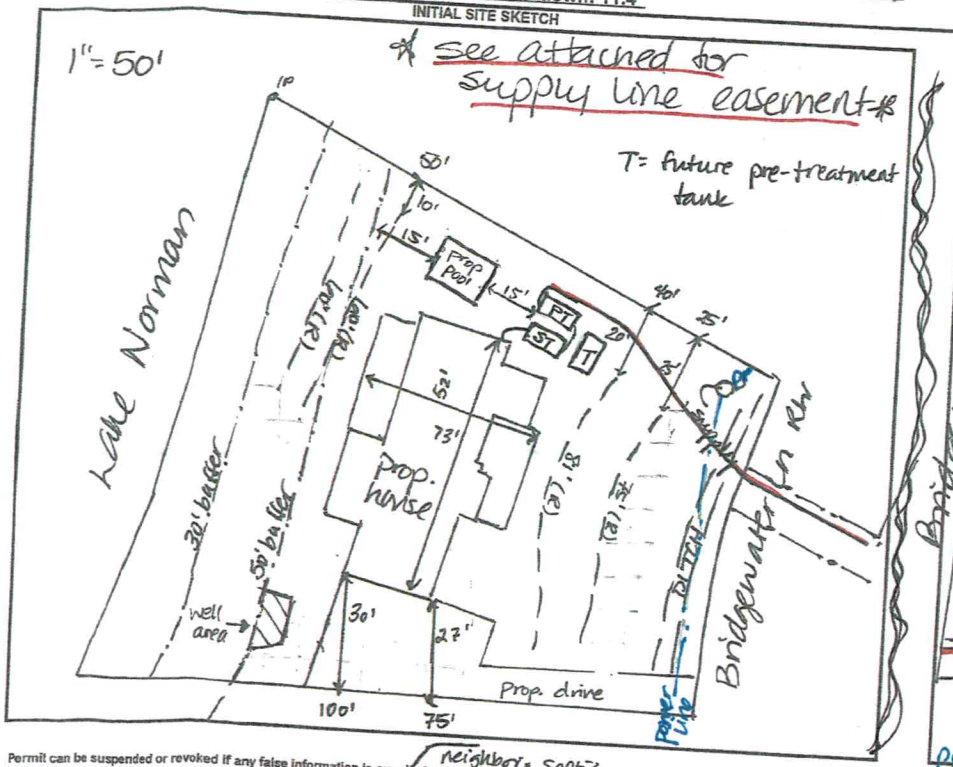
DESIGN FLOW: 480 L.T.A.R.: 0.275

Septic Tank: 1000 (gal)	STB: 760	Date: 5/19/23	☑ New System ☐ Repair ☐ Expansion	System Type: IV	☑ Residence	No. Bedrooms: 4	Water Supply: New Well
Pump Tank: 1000 (gal)	PT: 363	Date: 6/5/23	System Description: 50% Reduction - VPPBPS		☐ Business	No. Persons: 8	
Pump Make: LIBERTY	Model:	Serial #:	Repair System Description: Pre-treated 50% Red - LPHPPBPS		☐ Other	No. Employees:	
# Nitrification Fields: 1	# Lines: 4	Linear Ft.: 291	Maintenance Agreement Required: ☒ YES ☐ NO		☑ Slab	☐ Crawl Space	
Trench Width: 24	Trench Bottom Depth (Low side): 30		Gravel Depth: 0	☐ GRAVITY ☑ PRESSURE	☐ Basement w/ Plumbing	☐ Basement w/o Plumbing	

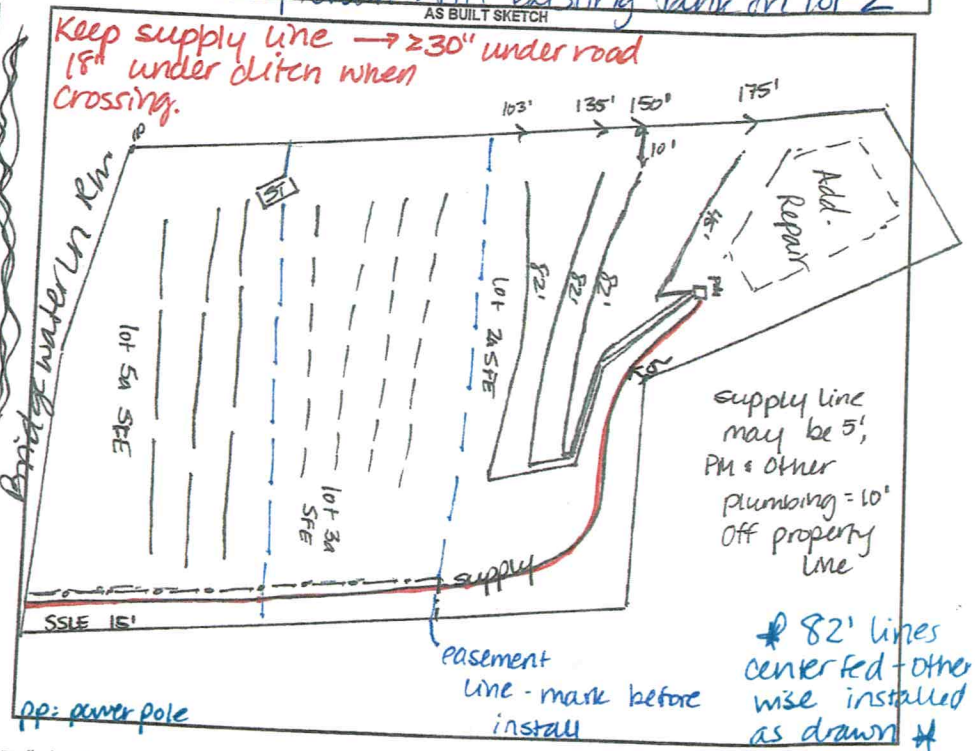
Comments / Conditions: Do not pave, grade, park, drive, or bury utilities in drainfield. Install on contour. Pressure manifold: 2" Supply. 2' pressure head
Lines 1, 2, & 3 = 19 panels each: 3/4" SCH 80 tap each line Line 4= 10 panels: 1/2" SCH 80 tap
Dose: 241.2 Flow: 35.78 Run Time: 6.7 min Drawdown: 11.4"

Pump, crush & fill existing tank on lot 2

INITIAL SITE SKETCH



AS BUILT SKETCH



Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system. CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION

☐ IMPROVEMENT PERMIT with plat valid without expiration. ☑ IMPROVEMENT PERMIT with site plan valid for 60 mos. ☑ AUTHORIZATION TO CONSTRUCT valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.

Owner / Applicant Signature: Date:

IMPROVEMENT PERMIT by: D. Meberg Date: 11/16/22

AUTHORIZATION TO CONSTRUCT by: D. Meberg Date: 12/28/22

Installed By: Greenway

OPERATION PERMIT by: Bryant E. Miller Date: 3-17-2023

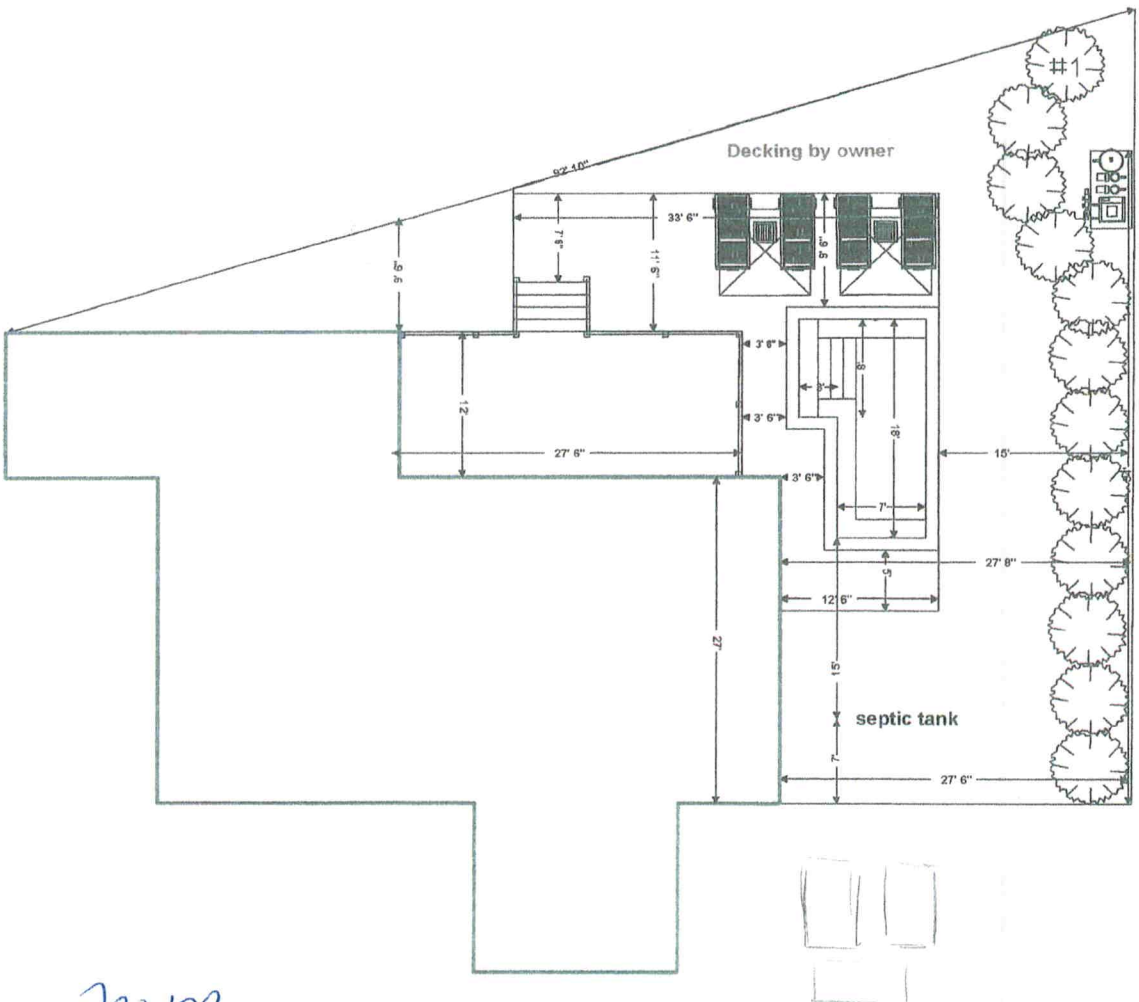
Existing System Inspected By: Date:

FOR SEPTIC FINAL INSPECTION CALL: 704-664-3703 BETWEEN 8am-9am the day the inspection is needed.

e Encroachment: BZ960, P489 DOT:
t: B17, P82 BL2960 DOS 11/16- 11/19

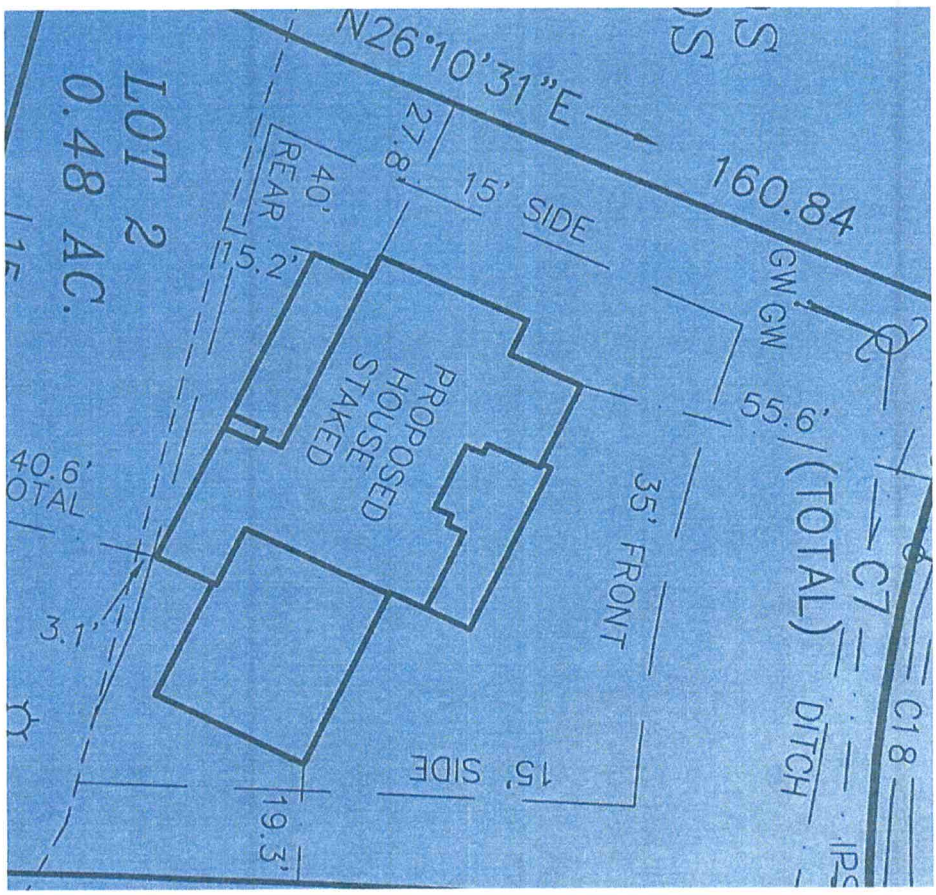
	Date	Initials
Drain Lines Checked	7/15/23	DW
Tanks Checked	7/18/23	DW
Pressure Manifold or Valve Box Checked	7/25/23	DW
Pressure Head Set	8-17-2023	BCW
Electrical Checked	8-17-2023	BCW
Floats Set	8-17-2023	BCW
Alarm Checked	8-17-2023	BCW
Maintenance Contract (Y) / N	8-18-2023	BCW
Supply Line	7/20/23	STH

DocuSign Envelope ID: 348FE2EE-8C03-46C8-BD23-F8E4A6B7FC8B



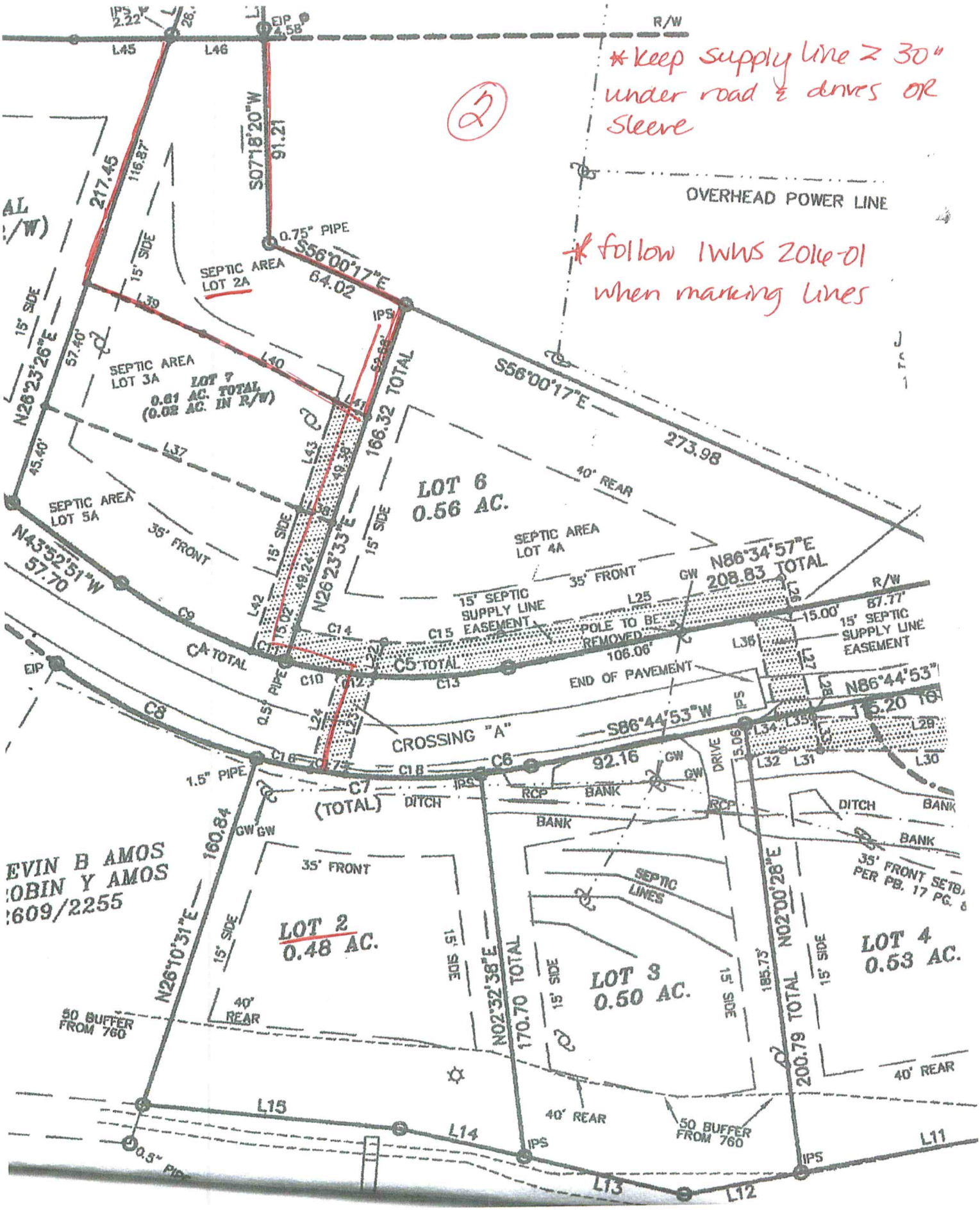
pool plan approved -
house has plat
must verify mar
mar

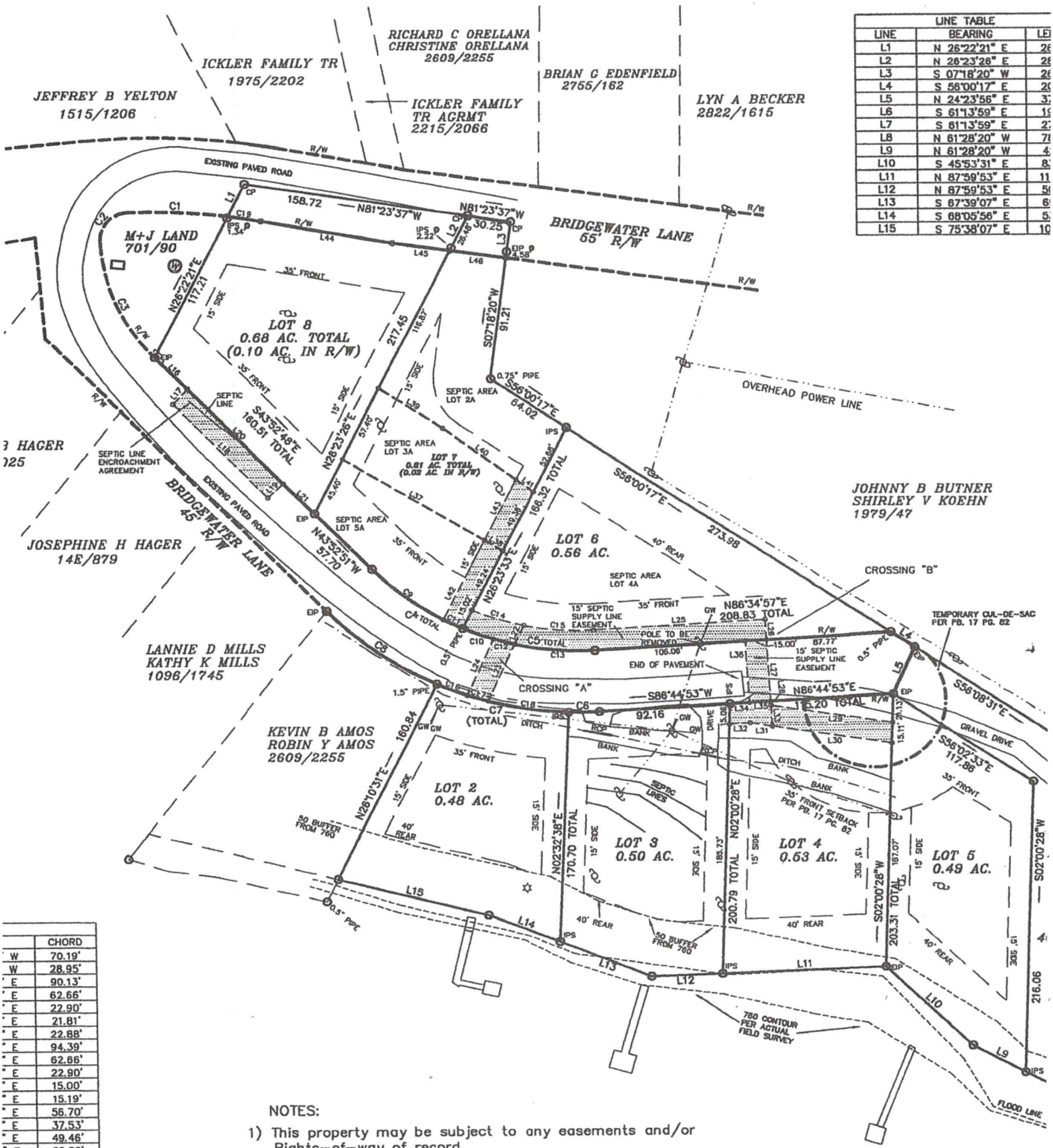
APPROVED MAR 3 0 2023



APPROVED MAR 3 0 2023

Must verify
well data


* keep supply line ≥ 30" under road & drives OR sleeve
* follow IWWS 2016-01 when marking lines
OVERHEAD POWER LINE
R/W
IPS 2.22"
EIP 4.58
L45
L46
S07°18'20"W 91.21
217.45
116.87'
0.75" PIPE
S56°00'17"E 64.02
SEPTIC AREA LOT 2A
15' SIDE
L39
SEPTIC AREA LOT 3A
LOT 7 0.61 AC. TOTAL (0.02 AC. IN R/W)
L40
IPS
52.66'
166.32 TOTAL
S56°00'17"E 273.98
N26°23'26"E 57.40'
45.40'
L37
L43
49.38'
LOT 6 0.56 AC.
40' REAR
SEPTIC AREA LOT 4A
SEPTIC AREA LOT 5A
35' FRONT
N43°52'51"W 57.70
C9
C14
C15
15' SEPTIC SUPPLY LINE EASEMENT
POLE TO BE REMOVED
L25
GW
N86°34'57"E 208.83 TOTAL
R/W 67.77'
15.00'
15' SEPTIC SUPPLY LINE EASEMENT
L36
L27
C4 TOTAL
C5 TOTAL
106.06'
END OF PAVEMENT
EIP
C8
C10
C12
0.5" PIPE
L24
L23
CROSSING "A"
S86°44'53"W
IPS
N86°44'53"
115.20
L34
L35
L29
L28
C16
C18
C6
92.16
GW
DRIVE
15.06
L32
L31
L30
1.5" PIPE
C7 (TOTAL)
DITCH
RCP
BANK
GW
160.84
N26°10'31"E
35' FRONT
LOT 2 0.48 AC.
15' SIDE
SEPTIC LINES
LOT 3 0.50 AC.
LOT 4 0.53 AC.
N02°32'38"E 170.70 TOTAL
N02°00'28"E 200.79 TOTAL
185.73'
50 BUFFER FROM 760
40' REAR
L15
L14
L13
L12
L11
IPS
0.5" PIPE
EVIN B AMOS
OBIN Y AMOS
609/2255

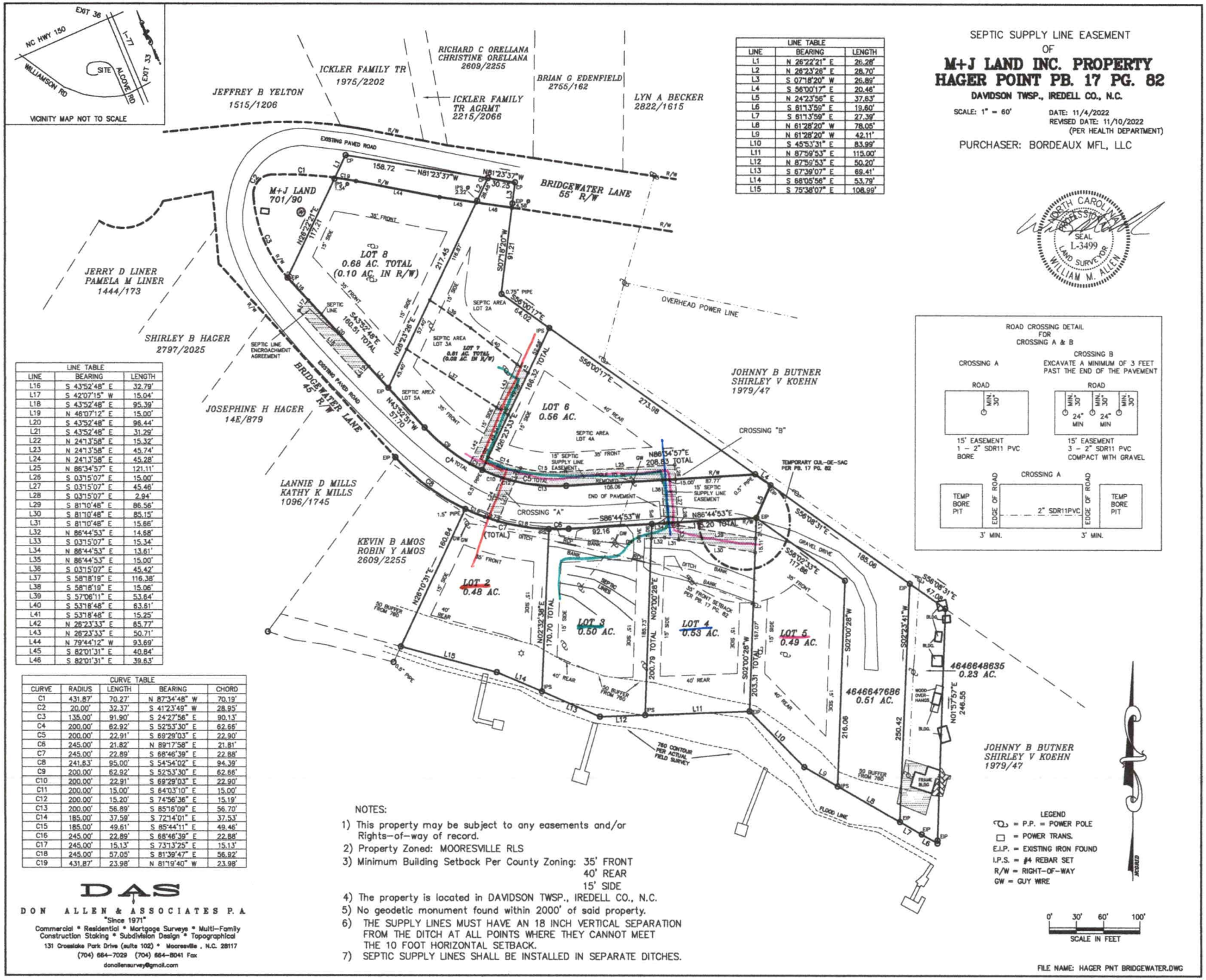


LINE TABLE		
LINE	BEARING	LE
L1	N 26°22'21" E	26
L2	N 26°23'26" E	26
L3	S 07°18'20" W	26
L4	S 56°00'17" E	20
L5	N 24°23'56" E	3
L6	S 61°13'59" E	19
L7	S 61°13'59" E	2
L8	N 61°28'20" W	7
L9	N 61°28'20" W	4
L10	S 45°53'31" E	8
L11	N 87°59'53" E	11
L12	N 87°59'53" E	5
L13	S 67°39'07" E	6
L14	S 68°05'56" E	5
L15	S 75°38'07" E	10

	CHORD
W	70.19'
W	28.95'
E	90.13'
E	62.66'
E	22.90'
E	21.81'
E	22.88'
E	94.39'
E	62.66'
E	22.90'
E	15.00'
E	15.19'
E	56.70'
E	37.53'
E	49.46'
E	22.88'
E	15.13'
E	56.92'
W	23.98'

NOTES:

1) This property may be subject to any easements and/or Rights-of-way of record.
2) Property Zoned: MOORESVILLE RLS
3) Minimum Building Setback Per County Zoning: 35' FRONT
   40' REAR
   15' SIDE
4) The property is located in DAVIDSON TWSP., IREDELL CO., N.C.



LINE TABLE		
LINE	BEARING	LENGTH
L1	N 26°22'21" E	26.28'
L2	N 26°23'26" E	28.70'
L3	S 07°16'20" W	26.89'
L4	S 56°00'17" E	20.46'
L5	N 24°23'56" E	37.63'
L6	S 61°13'59" E	19.60'
L7	S 61°13'59" E	27.39'
L8	N 61°28'20" W	78.05'
L9	N 61°28'20" W	42.11'
L10	S 45°53'31" E	83.99'
L11	N 87°59'53" E	115.00'
L12	N 87°59'53" E	50.20'
L13	S 87°39'07" E	69.41'
L14	S 88°05'56" E	53.79'
L15	S 75°38'07" E	106.99'

LINE TABLE		
LINE	BEARING	LENGTH
L16	S 43°52'48" E	32.79'
L17	S 42°07'15" W	15.04'
L18	S 43°52'48" E	95.39'
L19	N 46°07'12" E	15.00'
L20	S 43°52'48" E	96.44'
L21	S 43°52'48" E	31.29'
L22	N 24°13'58" E	15.32'
L23	N 24°13'58" E	45.74'
L24	N 24°13'58" E	45.28'
L25	N 86°34'57" E	121.11'
L26	S 03°15'07" E	15.00'
L27	S 03°15'07" E	45.46'
L28	S 03°15'07" E	2.94'
L29	S 81°10'48" E	86.56'
L30	S 81°10'48" E	85.15'
L31	S 81°10'48" E	15.86'
L32	N 86°44'53" E	14.68'
L33	S 03°15'07" E	15.34'
L34	N 86°44'53" E	13.61'
L35	N 86°44'53" E	15.00'
L36	S 03°15'07" E	45.42'
L37	S 58°18'19" E	116.38'
L38	S 58°18'19" E	15.06'
L39	S 57°06'11" E	53.64'
L40	S 53°18'48" E	83.61'
L41	S 53°18'48" E	15.25'
L42	N 26°23'33" E	85.77'
L43	N 26°23'33" E	50.71'
L44	N 79°44'12" W	93.69'
L45	S 82°01'31" E	40.84'
L46	S 82°01'31" E	39.63'

CURVE TABLE				
CURVE	RADIUS	LENGTH	BEARING	CHORD
C1	431.87'	70.27'	N 87°34'48" W	70.19'
C2	20.00'	32.37'	S 41°23'49" W	28.95'
C3	135.00'	91.90'	S 24°27'56" E	90.13'
C4	200.00'	62.92'	S 52°53'30" E	62.66'
C5	200.00'	22.91'	S 89°29'03" E	22.90'
C6	245.00'	21.82'	N 89°17'58" E	21.81'
C7	245.00'	22.89'	S 68°46'39" E	22.88'
C8	241.83'	95.00'	S 54°54'02" E	94.39'
C9	200.00'	62.92'	S 52°53'30" E	62.66'
C10	200.00'	22.91'	S 89°29'03" E	22.90'
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C12	200.00'	15.20'	S 74°56'36" E	15.19'
C13	200.00'	56.89'	S 85°16'09" E	56.70'
C14	185.00'	37.59'	S 72°14'01" E	37.53'
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C18	245.00'	57.05'	S 81°39'47" E	56.92'
C19	431.87'	23.98'	N 81°19'40" W	23.98'

SEPTIC SUPPLY LINE EASEMENT
OF
M+J LAND INC. PROPERTY
HAGER POINT PB. 17 PG. 82
DAVIDSON TWSP., IREDELL CO., N.C.

SCALE: 1" = 60'
DATE: 11/4/2022
REVISED DATE: 11/10/2022
(PER HEALTH DEPARTMENT)

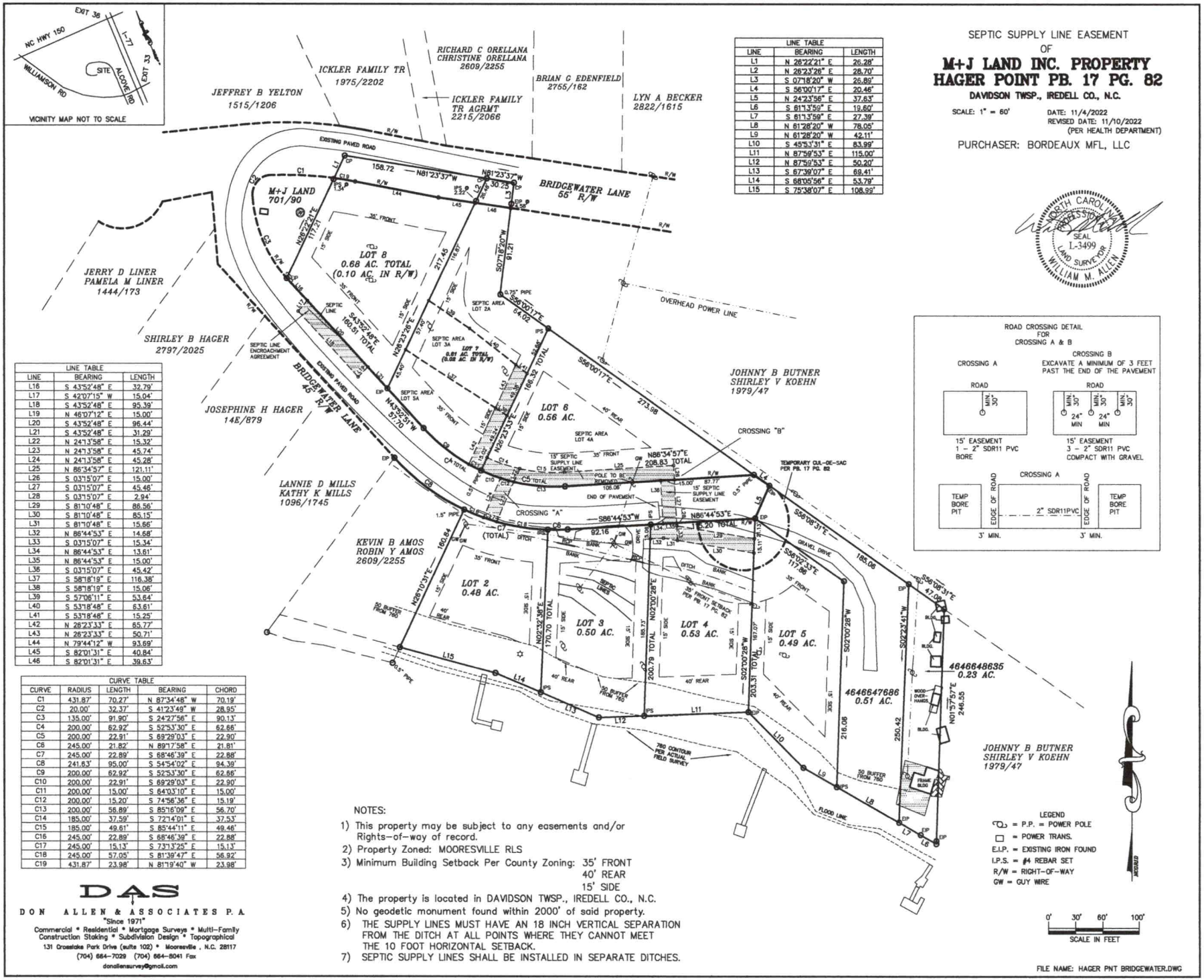
PURCHASER: BORDEAUX MFL, LLC

NORTH CAROLINA
PROFESSIONAL
SEAL
L-3499
LAND SURVEYOR
WILLIAM M. ALLEN

NOTES:
1) This property may be subject to any easements and/or Rights-of-way of record.
2) Property Zoned: MOORESVILLE RLS
3) Minimum Building Setback Per County Zoning: 35' FRONT
40' REAR
15' SIDE
4) The property is located in DAVIDSON TWSP., IREDELL CO., N.C.
5) No geodetic monument found within 2000' of said property.
6) THE SUPPLY LINES MUST HAVE AN 18 INCH VERTICAL SEPARATION FROM THE DITCH AT ALL POINTS WHERE THEY CANNOT MEET THE 10 FOOT HORIZONTAL SETBACK.
7) SEPTIC SUPPLY LINES SHALL BE INSTALLED IN SEPARATE DITCHES.

DAS
DON ALLEN & ASSOCIATES P.A
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Commercial * Residential * Mortgage Surveys * Multi-Family
Construction Staking * Subdivision Design * Topographical
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(704) 664-7029 (704) 664-8041 Fax
donallensurvey@gmail.com

FILE NAME: HAGER PNT BRIDGEWATER.DWG



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L33	S 03°15'07" E	15.34'
L34	N 86°44'53" E	13.61'
L35	N 86°44'53" E	15.00'
L36	S 03°15'07" E	45.42'
L37	S 58°18'19" E	116.38'
L38	S 58°18'19" E	15.06'
L39	S 57°06'11" E	53.64'
L40	S 53°18'48" E	63.61'
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C11	200.00'	15.00'	S 64°03'10" E	15.00'
C12	200.00'	15.20'	S 74°56'36" E	15.19'
C13	200.00'	56.89'	S 85°16'09" E	56.70'
C14	185.00'	37.59'	S 72°14'01" E	37.53'
C15	185.00'	49.61'	S 85°44'11" E	49.46'
C16	245.00'	22.89'	S 68°46'39" E	22.88'
C17	245.00'	15.13'	S 73°13'25" E	15.13'
C18	245.00'	57.05'	S 81°39'47" E	56.92'
C19	431.87'	23.98'	N 81°19'40" W	23.98'

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DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

Sheet 1 of 2
PROPERTY ID #: 4644646437
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
(Complete all fields in full)

LOT 2

OWNER: Cost Plus Construction — APPLICATION DATE 8/31/22
ADDRESS: PO Box 348 Mooresville 28117 — DATE EVALUATED: 10/4/22
PROPOSED FACILITY: 4BR — PROPOSED DESIGN FLOW (.1949): 480 gpd — PROPERTY SIZE:
LOCATION OF SITE: 320 Bridgewater — PROPERTY RECORDED: Y
WATER SUPPLY: ☐ Private ☐ Public ☒ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut — TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	18%	0-8	SCL/SBK	SSSP-FR-SE-VP	Mn staining Y/B common 38"+ Litho/YB/Grey @ 52"+	55"	N/A	N/A	P.S .25
		8-52	C/CL/SBK	↓					
		52-55	CL/SBK	↓					
2	10%	0-6	SCL/SBK	SSSP-FR-SE-VP	Mn stains thruout Y/B Few to Common 36"+	54"	— Minor Lateral water movement 36"+	—	P.S .275? TB@24"
		6-36	C/SBK	↓					
		36-54	CL/SBK	↓					
3	18%	0-36	Stump Hole	SSSP-FR-SE-VP	Mn staining Y/B common Litho/YB/Grey @ Bottom	54"	N/A	N/A	P.S .25
		36-46	C/CL-SBK	↓					
		46-54	SCL/CL-SBK	↓					
4		0-14	SCL-SBK	SSSP-FR-SE-VP	Minor Mn staining Y/B 48"+	54"	N/A	N/A	P.S .275
		14-48	C-SBK	↓					
		48-54	CL-SBK	↓					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	290'	320
System Type(s)	Conv. 50%	50%
Site LTAR	0.275	0.25

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: D. Meberg
OTHER(S) PRESENT: J. Holland

COMMENTS: 4" rain 2 days prior

SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH
ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

LOT 2

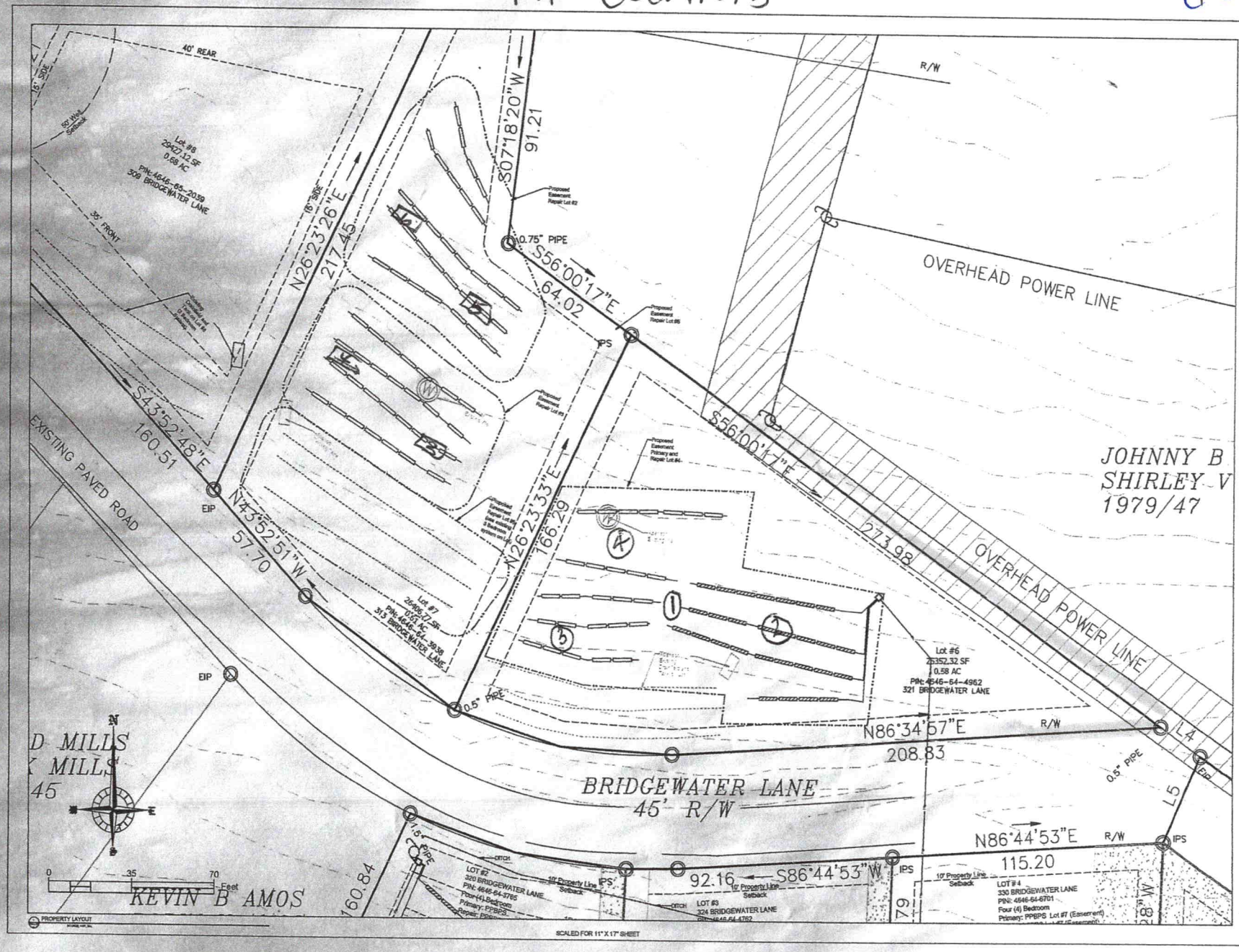
PROPERTY ID #: #646643765
DATE OF EVALUATION: 10/4/22
COUNTY: Iredell

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
5	20% REPAIR	0-5	SCL/SBK	SSSP-FR SE vP	Some Mn Stains Large C veins 27"+ heavy sap conti	57"	N/A	N/A	P.S .275
		5-27	C/SBK	↓					
		27-57	CL/SBK	↓					
6	20% REPAIR	0-5	SCL - SBK	SSSP-FR-SE vP	heavy sap inc C veins 24"+ (really Large C veins)	~~55~~"	N/A	N/A	P.S .275
		5-24	C - SBK	↓					
		24-55	CL - SBK	↓					

COMMENTS:

Pit Locations

#2



AWT
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Apex, North Carolina 27502
919-859-0969
www.agriwaste.com

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burkebuildersnc@gmail.com
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Property Information:
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Mooresville, NC 28117
Iredell County

For Review Only

GENERAL NOTES

1)BOUNDARY INFORMATION TAKEN FROM SURVEY BY OTHERS.

2)THIS PLANNING DOCUMENT IS ONLY MEANT FOR SEPTIC PERMITTING PURPOSES AND DOES NOT REPRESENT A PLOT PLAN OR SURVEY PRODUCT.

SHEET TITLE

Property Layout

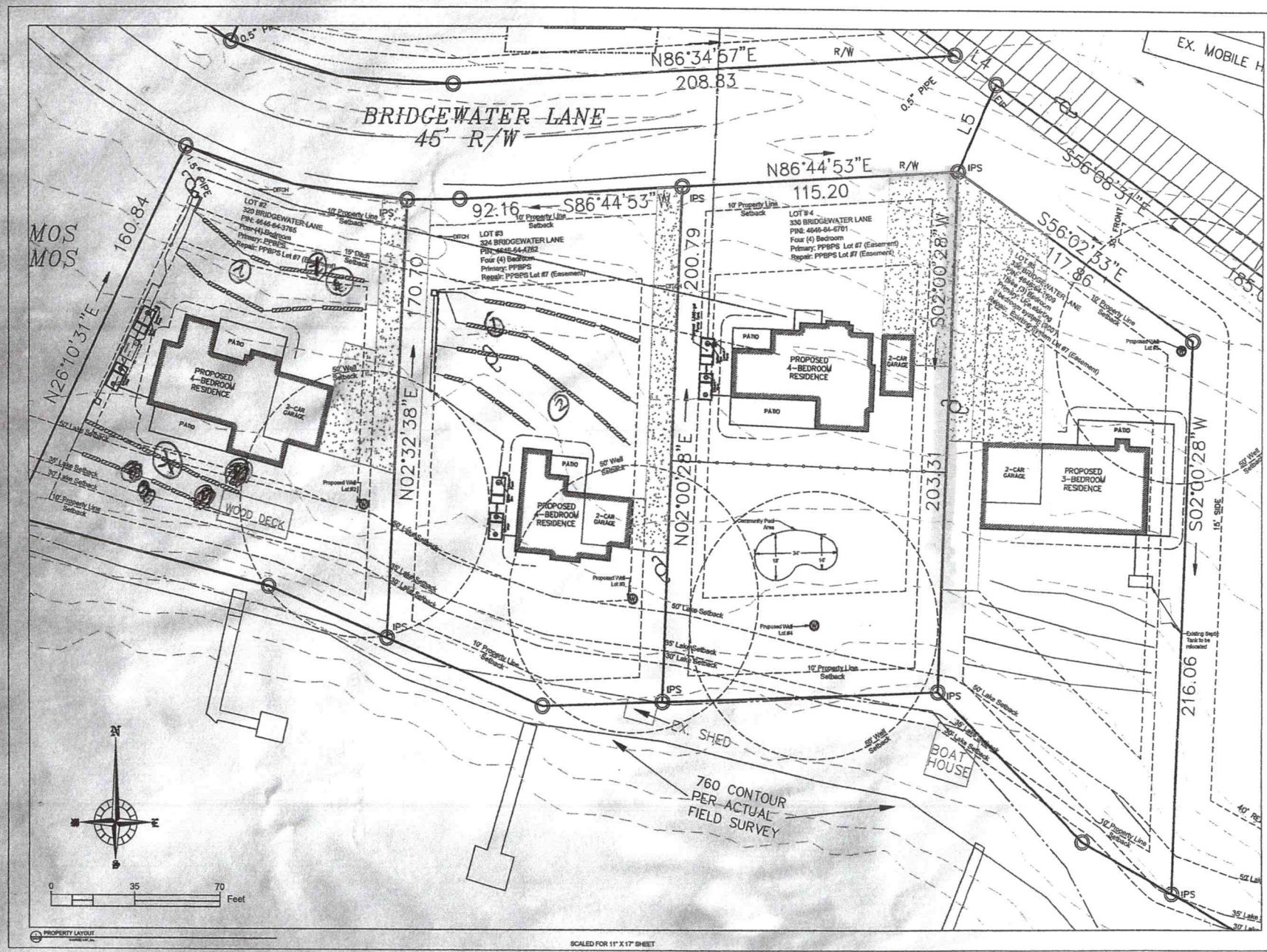
PROJECT CONTACT:	
A. Hudson	919-367-6314
DRAWN BY: A. Hudson	CREATED ON: 05/12/2022
REVISED BY:	REVISED ON:
RELEASED BY:	RELEASED ON:

DRAWING NUMBER

WW-1c

Pit Locations

#02



AWT
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SHEET TITLE

Property Layout

PROJECT CONTACT:	
A. Hudson	919-367-6314
DRAWN BY: A. Hudson	CREATED ON: 09/12/2022
REVISED BY:	REVISED ON:
RELEASED BY:	RELEASED ON:

DRAWING NUMBER

WW-1b