HS

ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # OSWP-2022-9702

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

PIN # 4646-65-2039.000

APPLICANT / OWNER: Cost Plus Construction | APPLICANT ADDRESS: PO BOX 3481, MOORESVILLE, NC 28115

SITE ADDRESS: 309-336 Bridgewater Rd, Mooresville NC 28117 | PHONE: (704) 965-1149 | ALT. PHONE: 7043610047

SITE DIRECTIONS: S Williamson -> L Bridgewater -> lots on both sides | SAP CONTROLLED: YES ☐ NO ☒

SUBDIVISION: Hager Point | SECTION: | LOT #: 2-8 | LOT AREA: | DESIGN FLOW: 0 | L.T.A.R.: N/A

Septic Tank: (gal)	STB:	Date:	☑ New System ☐ Repair ☐ Expansion	System Type: IV	☑ Residence	No. Bedrooms: 0	Water Supply: Other Public Water
Pump Tank: (gal)	PT:	Date:	System Description: Offsite Pump Lines		☐ Business	No. Persons: 0	
Pump Make:	Model:	Serial #:	Repair System Description: Offsite Pump Lines		☐ Other	No. Employees:	
# Nitrification Fields: 5	# Lines: N/A	Linear Ft.: N/A	Maintenance Agreement Required: ☒ YES ☐ NO		☑ Slab	☐ Crawl Space	
Trench Width: N/A	Trench Bottom Depth (Low side): N/A		Gravel Depth: N/A	☐ GRAVITY ☑ PRESSURE	☐ Basement w/ Plumbing	☐ Basement w/o Plumbing	

Comments / Conditions: See attached plat showing the easements and road crossings. Maintain 30" or greater depth under roads & driveways OR sleeve as required. Follow all IWWS-2016-01 specifications.

INITIAL SITE SKETCH

Supply line

permit only

AS BUILT SKETCH

Duke Encroachment: Bk 2960, P 489
Plat: Bk 17, P 82
DOT: 2967, P 1166

- lines installed, marked correctly & to correct depths, tracer wires included > 5/4/23 DW
- Still need pressure test, POA & maintenance agreement received
- Markers present, lines checked 8/30/23

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.miebey Date: 12/9/22

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

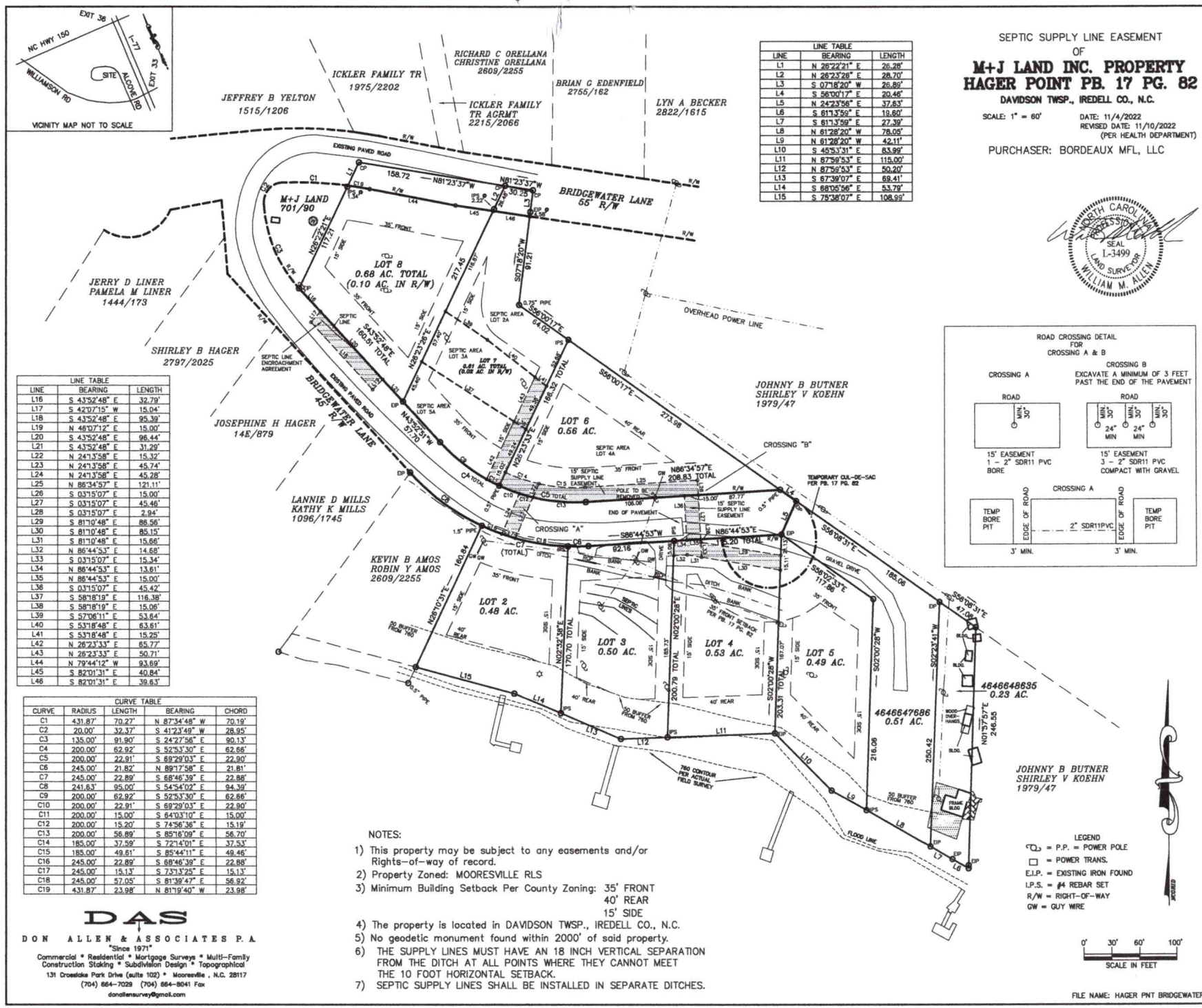
Installed By: Greenway Solutions

OPERATION PERMIT by: ☒ D.miebey Date: 8/31/23

Existing System Inspected By: Date:

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

BL 2960
PGS 1166 - 1169



LINE TABLE		
LINE	BEARING	LENGTH
L1	N 26°22'21" E	26.28'
L2	N 26°23'26" E	28.70'
L3	S 07°18'20" 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 67°39'07" E	69.41'
L14	S 68°05'56" E	53.79'
L15	S 75°38'07" E	108.99'

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	15.66'
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	63.61'
L41	S 53°18'48" E	15.25'
L42	N 26°23'33" E	65.77'
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 69°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	241.63'	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 69°29'03" E	22.90'
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'

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 REGISTERED SEAL L-3499 LAND SURVEYOR WILLIAM M. ALLEN

ROAD CROSSING DETAIL
FOR
CROSSING A & B

CROSSING A

ROAD

MIN. 30'

15' EASEMENT
1 – 2" SDR11 PVC
BORE

CROSSING B

EXCAVATE A MINIMUM OF 3 FEET PAST THE END OF THE PAVEMENT

ROAD

MIN. 30' MIN. 30' MIN. 30'

24" MIN 24" MIN

15' EASEMENT
3 – 2" SDR11 PVC
COMPACT WITH GRAVEL

CROSSING A

TEMP BORE PIT | EDGE OF ROAD | 2" SDR11PVC | EDGE OF ROAD | TEMP BORE PIT

3' MIN. 3' MIN.

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.

LEGEND
P.P. = POWER POLE
□ = POWER TRANS.
E.I.P. = EXISTING IRON FOUND
I.P.S. = #4 REBAR SET
R/W = RIGHT-OF-WAY
GW = GUY WIRE

0' 30' 60' 100'
SCALE IN FEET

DAS
DON ALLEN & ASSOCIATES P.A.
"Since 1971"
Commercial * Residential * Mortgage Surveys * Multi-Family
Construction Staking * Subdivision Design * Topographical
131 Crosslake Park Drive (suite 102) * Mooresville, N.C. 28117
(704) 664-7029 (704) 664-8041 Fax
donallensurvey@gmail.com

FILE NAME: HAGER PNT BRIDGEWATER.DWG

4646-65-2039

IREDELL COUNTY HEALTH DEPARTMENT

STATESVILLE 704-878-5305 MOORESVILLE 704-664-5281

IMPROVEMENT PERMIT / ~~CERTIFICATE OF COMPLETION~~ / OPERATION PERMIT / EXISTING SYSTEM INSPECTION

PROPERTY DESCRIPTION NO. 25083 DATE 9/30/96 TAX MAP NO. 2T & B 8 Watershed: X Yes ☐ No

OWNER OR CONTRACTOR Sonja B Bradshaw PHONE: Business _____ Home 664-1896

ADDRESS 757 Alcove Rd. Mooresville, NC. 28115

LOCATION 21 S TR on Alcove Rd, 4th cul-de-sac TR, 1st trailer on (L)

SUBDIVISION Tyger Point BLOCK / SECTION _____ LOT 8 LOT AREA Exist. SITE CLASS. _____ DESIGN FLOW _____ L.T.A.R. _____

Septic Tank: 1000 Gallons; STB _____ Date _____

Pump Tank: _____ Gallons; PT _____ Date _____

Pump Make: _____ Model _____ Serial No. _____

Nitrification Field: No Fields ____ Square Feet Existing Linear Feet _____

No Lines _____ Trench Width _____ Max Trench Bottom Depth _____ Gravel Depth _____

☐ New System ☐ Repair System Type: I, II, III, IV, V, VI

System Description: Existing System

Repair System Description: _____

Maintenance Agreement Required: ☐ Yes X No

☐ House/Mod. Home No. Bedrooms 3

X Mobile Home No. Bathrooms 2

☐ Business No. Employees ____

☐ Other _____

☐ Slab ☐ Crawl Space ☐ Basement w/plumbing ☐ Basement wo/plumbing

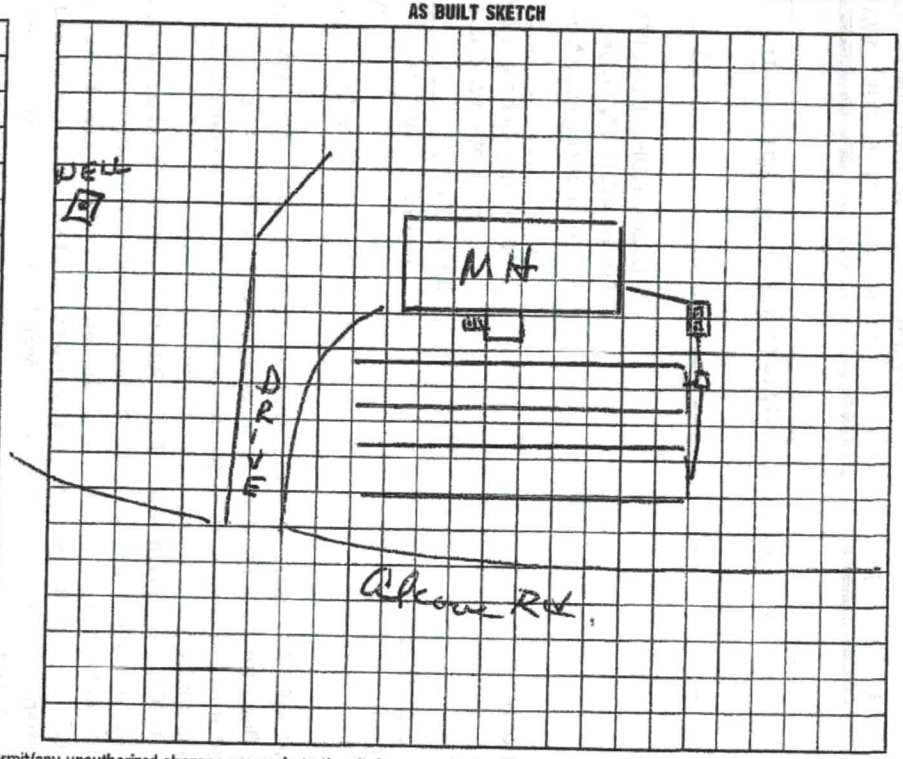
Water Supply:
☐ Individual
X Community
☐ Public

Comments:

Comments:

INITIAL SITE SKETCH

AS BUILT SKETCH



I understand that this 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.

Signed: _____

Improvement Permit by: _____ date _____

Existing System Inspection by: _____ date _____

Installed by: _____

~~Certificate of Completion by:~~ Existing System Wesley Sparks R.S. date 9/30/96

Operation Permit by: _____ date _____

HEALTH DEPT. COPY: WHITE INSPECTION COPY (FINAL): GREEN OWNER COPY (FINAL): YELLOW INSPECTION COPY (INITIAL): PINK OWNER COPY (INITIAL): GOLD

PERFORMANCE AND INDEMNITY BOND
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION – HIGHWAY ENCROACHMENT INSTALLATION

_____
PRINCIPAL (Contractor for second party to encroachment agreement)

_____
SURETY

_____
Amount of Bond

_____
Date of Bond

DESCRIPTION OF ENCROACHMENT AGREEMENT:
ENCROACHMENT NUMBER _____
Route(s) or Highway No(s).____
County _____
Date of Encroachment Agreement _____
Specific Location of Encroachment:
Between_____ & _____
Type of Encroachment _____
(Water, sewer, gas, etc.)
Second Party to Encroachment Agreement _____

KNOW ALL MEN BY THESE PRESENTS, That we the PRINCIPAL and SURETY above named, are held and firmly bound unto the Department of Transportation, an agency of the State of North Carolina, hereinafter called the DEPARTMENT, in amount stated above for the payment for which sum we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the above indicated second party to an Encroachment Agreement named above entered into an Encroachment Agreement with the DEPARTMENT, and the PRINCIPAL (contractor) entered into a contract with the said second party to an Encroachment Agreement named above to perform certain work, including the installation or relocation of certain encroachments described in a certain Encroachment Agreement with the DEPARTMENT hereinabove described and incorporated herein by reference;

NOW, THEREFORE, if the PRINCIPAL shall well and truly install the said encroaching facilities on and along the highway in accordance the "Utilities Accommodations Manual" and any supplements thereto and in accordance with the other provisions of the said Encroachment Agreement, then, this obligation to be void; otherwise to remain in full force and effect.

IN WITNESS THEREOF, the above-bounden parties have executed this instrument under their several seals on the date indicated above, then name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

(Seal of Principal)

_____
PRINCIPAL (Type Name of Principal)

ATTEST:

_____
Clerk or Secretary

BY: _____
President or Vice President
(Cross out Inappropriate Title)

_____
(Name of SURETY)

(Seal of Surety)

BY: _____
Attorney-in-Fact

NOTE: Attach Power of Attorney and Certificate of Authority of Attorney-in-Fact.
FORM R/W 16A (This form to be used only by Contractor for second party to encroachment agreement.)
Revised April 2021 (Previously revised July 1978)

PERFORMANCE AND INDEMNITY BOND

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION - HIGHWAY ENCROACHMENT INSTALLATION

PRINCIPAL (Second Party to encroachment agreement)

SURETY

AMOUNT OF BOND

DATE OF BOND

DESCRIPTION OF ENCROACHMENT AGREEMENT:

Encroachment Number

Route or Highway No. _____

County _____

Date of Encroachment Agreement _____

Specific Location of Encroachment:

Between _____ & _____

Type of Encroachment _____
(Water, Sewer, Gas, etc.)

KNOW ALL MEN BY THESE PRESENTS, That we the PRINCIPAL and SURETY above named, are held and firmly bound unto the Department of Transportation, an agency of the State of North Carolina, hereinafter called the DEPARTMENT, in the amount stated above for the payment for which sum we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the PRINCIPAL entered into a certain Encroachment Agreement with the DEPARTMENT hereinabove described and incorporated herein by reference;

NOW, THEREFORE, if the PRINCIPAL shall well and truly install the said encroaching facilities on and along the highway in accordance with the "Utilities Accommodations Manual" and any supplements thereto and in accordance with the other provisions of the said Encroachment Agreement and shall indemnify the DEPARTMENT for the failure to install the encroachments in accordance with the foregoing manual and provisions of the said Encroachment Agreement, then, this obligation to be void; otherwise to remain in full force and effect.

IN WITNESS WHEREOF, the above-bounden parties have executed this instrument under their several seals on the date indicated above, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative pursuant to authority of its governing body.

(Seal of Principal)

_____
PRINCIPAL (Type Name of Principal)

Attest:

_____
Clerk or Secretary

BY: _____
Mayor or Corporate Officer

(Seal of Surety)

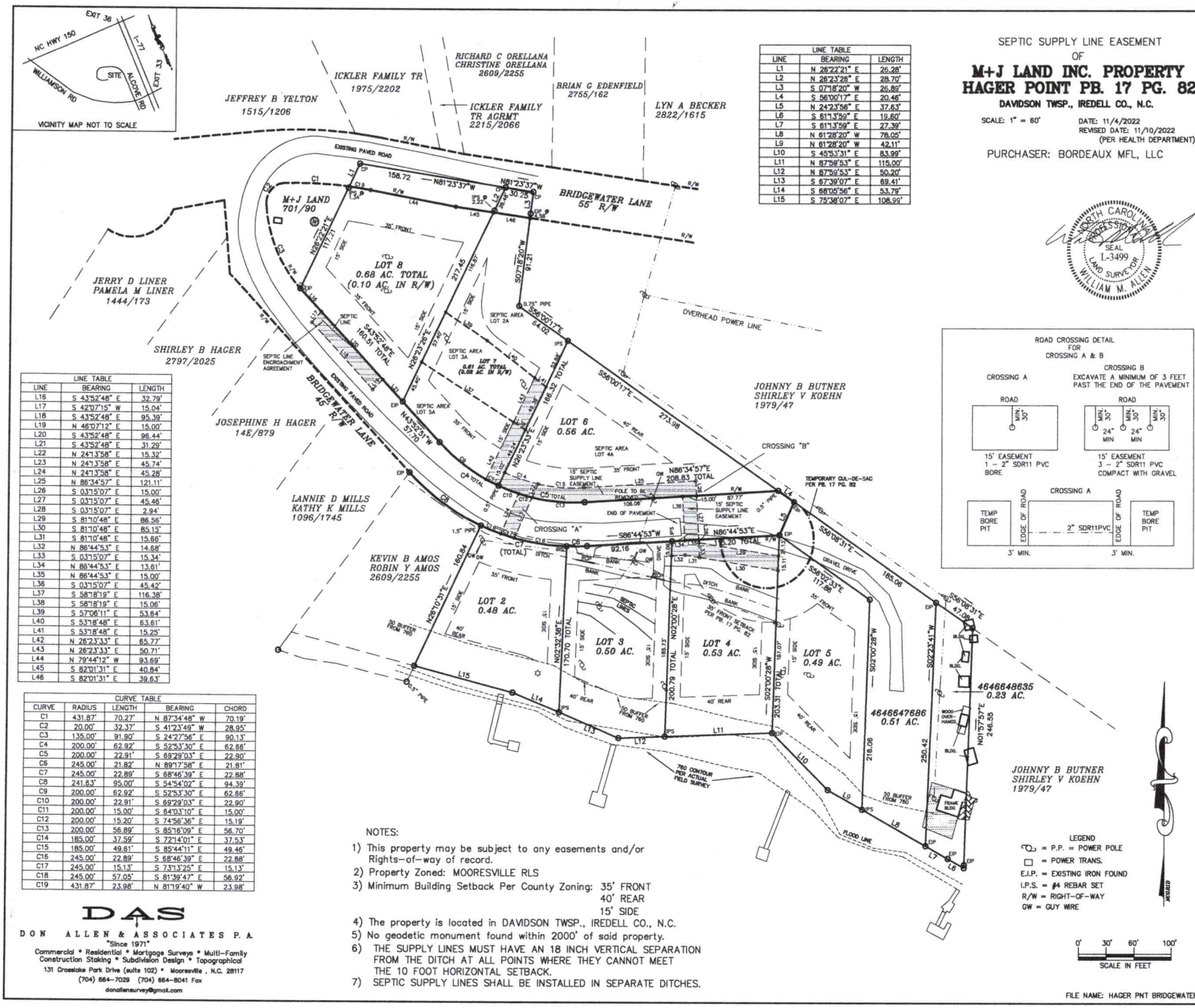
_____
(Name of SURETY or Bond Company)

BY: _____
Attorney-in-Fact

NOTE: Attach Power of Attorney and Certificate of Authority of Attorney-in-Fact.

This form to be used only by second party to encroachment agreement.

R/W (16) : Party of the Second Part certifies that this agreement is true and accurate copy of the form R/W (16) incorporating all revisions to date. Revised April 2021



LINE TABLE		
LINE	BEARING	LENGTH
L1	N 26°22'21" E	26.28'
L2	N 26°23'26" E	28.70'
L3	S 07°18'20" 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 67°39'07" E	69.41'
L14	S 68°05'56" E	53.79'
L15	S 75°38'07" E	108.99'

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	15.66'
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	63.61'
L41	S 53°18'48" E	15.25'
L42	N 26°23'33" E	65.77'
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 69°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 69°29'03" E	22.90'
C11	200.00'	15.00'	S 84°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'

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

ROAD CROSSING DETAIL
FOR
CROSSING A & B

CROSSING A

ROAD

MIN. 30"

15' EASEMENT
1 – 2" SDR11 PVC
BORE

CROSSING B
EXCAVATE A MINIMUM OF 3 FEET
PAST THE END OF THE PAVEMENT

ROAD

MIN. 30" MIN. 30" MIN. 30"

24" MIN 24" MIN

15' EASEMENT
3 – 2" SDR11 PVC
COMPACT WITH GRAVEL

CROSSING A

TEMP BORE PIT | EDGE OF ROAD | 2" SDR11PVC | EDGE OF ROAD | TEMP BORE PIT

3' MIN. 3' MIN.

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.
"Since 1971"
Commercial * Residential * Mortgage Surveys * Multi-Family
Construction Staking * Subdivision Design * Topographical
131 Crosslake Park Drive (suite 102) * Mooresville, N.C. 28117
(704) 664-7029 (704) 664-8041 Fax
donallensurvey@gmail.com

FILE NAME: HAGER PNT BRIDGEWATER.DWG