

Please Make Checks Payable to:



P.O Box 790379  
St. Louis MO 63179

ACCOUNT NAME	[REDACTED]
SERVICE ADDRESS	[REDACTED]
ACCOUNT #	[REDACTED]
DATE	[REDACTED]
SECURITY CODE	[REDACTED]
SYSTEM	[REDACTED]
SERVICE PERIOD	06/01/20 - 06/19/20

OFFICIAL COPY

Prior Read Date	Prior Read	Current Read Date	Current Read	Usage
05/26/20	190,610	06/19/20	205,430	14,820

Please visit our website: [REDACTED], and use the Security Code found in the upper right corner of your invoice to register your online account.

Through your customer portal, you may view your account history, pay your bill by Credit, Debit Card or ECheck, sign up for AutoPay, and even go paperless by enrolling in "Ebill" to receive an e-mail notification that a new bill is available. All Online payments are subject to processing fees.

PLEASE NOTE: When signing up for AutoPay, please pay the ENTIRE balance outstanding on your account. Failure to do so may result in a late penalty. AutoPay will take effect beginning the following invoice after successfully enrolling. AutoPay is drafted from your registered payment method 5 days prior to the due date. We recommend logging in, paying your current invoice due, and activating AutoPay for your next billing.

WATER CUSTOMERS: YOUR CURRENT CCR IS AVAILABLE AT THE SITE LISTED BELOW. CALL 855-643-8152 FOR A PAPER COPY.



MESSAGES

Due to Covid-19 and our commitment to the community, we are suspending all late fees, late notices and disconnections. Please be aware that balances are still accumulating; keeping current on your account will help to avoid large balances in the future.

If mailing payment, please be sure to use correct mailing address:  
P.O. Box 790379  
St. Louis, MO 63179

ACCOUNT ACTIVITY

Description	Amount
Previous Balance	\$12.56
Payment Received	(\$12.56)
Balance	\$0.00
<b>Current Billing</b>	
Water	\$45.36
<b>Total Current Billing Charges</b>	\$45.36
<b>TOTAL DUE</b>	<b>\$45.36</b>

Feb 16 2024

GENERAL INFORMATION

For billing inquiries, call (855) 643-8152 Monday-Friday, 8am-5pm CST or email: [REDACTED].

**YOUR PROMPT PAYMENT IS APPRECIATED!**

\*\*\*\*\*SEPARATE AND RETURN BELOW STUB WITH PAYMENT\*\*\*\*\*

**Red Bird Water UOC, LLC**  
P.O Box 790379  
St. Louis MO 63179

NAME	[REDACTED]
SERVICE ADDRESS	[REDACTED]
ACCOUNT #	[REDACTED]
DUE DATE <small>**Previous Balance Due Immediately</small>	07/31/20
TOTAL DUE	\$45.36
Amount Paid	\$

Payment must be received by due date to avoid late fees.

**Red Bird Water UOC, LLC**  
P.O Box 790379  
St. Louis MO 63179



## Attachment B

### Page 2, Item 6(b):

Red Bird Water will implement operational changes to improve and enhance customer service. Customers will have access to a 24-hour phone line to report any utility service issues. Red Bird Water will ensure customers served by the system have access to customer service representatives during normal business hours to talk about any customer concerns. Red Bird Water will also offer online bill paying options to customers including e-checks, debit card, and credit cards. Red Bird has no current plans to establish offices where bills can be paid in person, but if the Commission concludes an in-person payment option is necessary the company will attempt to engage one or more local payment agents for that purpose.

### Page 2, Item 6(c):

Red Bird Water will use contractors for billing and to provide emergency answering services for customer calls.

For complaints or billing, Red Bird intends to use Nitor Billing Services. Nitor's address is 100 Chesterfield Business PKWY, Suite 256, Chesterfield, MO 63005, and its telephone number is 314-540-3803. Customers will be able to contact Nitor by calling a toll-free customer service telephone number or via email. The customer service telephone number and the email box are available 24/7/365. For engineering operations and emergency service, customers would contact Nitor as indicated in the preceding sentence. If the customer's call requires an emergency response, Nitor will route the call to a third-party operations and maintenance contractor Red Bird will engage prior to closing, who is responsible for responding to the emergency call in accordance with standards established by Red Bird. Outside of regular business hours, the customer's call goes to a live operator who will then dispatch field staff in the case of an emergency. Nitor also will be responsible for computing, printing, and sending monthly bills to customers and for collecting payments. Nitor's staff will field and process customer bill inquiries, make bill adjustments, deal with customer requests for payment plans, and interact with Commission Staff regarding billing issues, and also will be trained to route customer service complaints and inquiries to the service contractor.

For accounting services, CSWR, LLC, can be contacted by mail at 1650 Des Peres Road, Suite 303, St. Louis MO 63131 or by telephone at 314-380-8544.



## **Josiah Cox – President**

Mr. Cox is President of Red Bird Utility Operating Company, LLC, Red Bird Utility Holding Company, LLC, and also of, CSWR, LLC, (“CSWR”) and Central States Water Resources, Inc. All those companies are part of an affiliated group that provides water and/or wastewater utility services to approximately 150,000 customers in 11 states.

Mr. Cox received a Bachelor of Science degree with a major in Environmental Science from the University of Kansas where he was also a student-athlete. Professionally he has worked at the Kansas state biological survey, where he performed a wildlife habitat study. He then worked at a civil engineering firm where he was involved in various facets of the land development process including permitting, entitlement, civil design, project management, and construction management. He focused mainly on the water and wastewater side of the civil engineering business and participated in every aspect of that business from waste-load allocation studies (now known as the anti-degradation processes), to design, permitting, project management, and construction management. He also ran the firm's environmental consulting division and was the second private consultant to submit a Water Quality Impact Assessment in the state of Missouri in 2003. He later joined the engineering firm's executive leadership team and helped run all the firm's operations.

Beginning in 2005, he formed a full-service civil engineering, environmental consulting, general contracting, and construction management firm. He gained extensive experience with rural communities in every facet of the water and wastewater compliance process, including environmental assessment, permitting, design, construction, operation and community administration of the actual water and wastewater (sewerage) systems. The firm performed stream sampling and built waste- load allocation models to determine receiving water-body protective permit-able effluent pollutant loads. They did full engineering design of multiple whole community water and wastewater infrastructure systems including wells, water distribution, water treatment, water storage, wastewater conveyance, and wastewater treatment plants and delivered these designs through federal and state administered permitting processes in Missouri. The engineering firm also administered the construction of these water and wastewater systems from green field site selection all the way through system startup and final engineering sign-off. During this time, Mr. Cox also began the Master of Business Administration (MBA) program at Washington University in St. Louis, from which he earned his advanced degree and graduated in 2007.

Additionally, beginning in 2008, Mr. Cox took over the operations of a rural sewer district where he managed the functioning, testing, and maintenance of this system. In that capacity, he also acted as the administrator for the system, performing all the billing, emergency response, accounts payable/accounts receivable, collections, budgeting, customer service, and public town meetings required to service the community. He no longer has any responsibilities for that system.

In late 2010, after working on several small, distressed water and wastewater systems, Mr. Cox created a business plan to acquire and recapitalize failing systems as investor-owned, regulated water and wastewater utility companies. In early 2011, he went to the capital markets to raise money to implement his plan, and over a period of approximately three years met with more than fifty- two infrastructure investment groups in an attempt to raise necessary financing. In February 2014, he was able to raise sufficient debt and equity capital to start CSWR. In 2018, he attracted an additional large institutional private equity investor, which allowed CSWR to expand

the scope of its business plan. Since its formation, CSWR has acquired, and is currently operating more than 800 water and/or wastewater systems in Arizona, Arkansas, Florida, Kentucky, Louisiana, Missouri, Mississippi, North Carolina, South Carolina, Tennessee, and Texas.

### **Marty Moore – Chief Financial Officer**

Marty Moore is the Chief Financial Officer of CSWR, LLC, and has held this position since April 2020. As CFO, Mr. Moore provides leadership, direction, and oversight of the finance and accounting teams, managing the process for financial forecasting, budgeting, and reporting in addition to overseeing the human resources and risk management functions.

After receiving a Bachelor of Business Administration in Accounting from Abilene Christian University, Mr. Moore gained a wide range of financial management experience. Moore's extensive senior-level finance and operational expertise includes serving as CFO of international automation equipment manufacturer Baldwin Technology Co., a company he helped Barry- Wehmiller/Forsyth Capital take private in 2012. Prior to that, Mr. Moore held senior leadership positions with Summit Marketing, Consolidated Terminals, Barnhill's Buffet Inc., and Global Materials Services. He began his career at Arthur Andersen. Moore most recently led finance and corporate services as CFO of Gardner Capital, a national affordable housing and renewable energy developer, investor, and tax credit syndicator. He has an extensive background in mergers and acquisitions and works alongside Mr. Cox in accelerating the company's already rapid growth trajectory.

### **Todd Thomas – Senior Vice President**

Todd Thomas holds the office of Senior Vice President of CSWR. Mr. Thomas received his Bachelor of Science in Civil Engineering from The Missouri University of Science and Technology, and a Master of Business Administration from Washington University in St. Louis.

Before joining CSWR, Mr. Thomas was President of Brotcke Well and Pump, Vice President of Operations and Business Development of the Midwest for American Water Contract Operations, and General Manager of Midwest Operations for Environmental Management Corporation. Mr. Thomas currently serves on the Technical Advisory Team for the Public Water Supply District 2 of St. Charles County, MO.

Mr. Thomas's past positions in related industries has provided him with extensive experience in water and sewer utilities. He has in depth, firsthand knowledge about the amount of damage resulting from the lack of maintenance on a well system, and he understands how much money and effort are required to restore a well system after neglect.

In his position as Senior Vice President at CSWR, Mr. Thomas's primary responsibilities include utility operations along with the acquisition, development, and rate stabilization of CSWR-affiliated utilities. Those duties include operations, maintenance, capital planning, and regulatory compliance for all affiliate-owned facilities. He is responsible for the management of all operations and maintenance service providers, and engineering firms.

**Mike Duncan – Vice President**

Mike Duncan is the Vice President of CSWR and was promoted to that position in October 2020. As Vice President, he has played an integral role in researching, preparing, filing, and processing acquisition applications in Missouri, Kentucky, Tennessee, Louisiana, Texas, North Carolina, and Mississippi. He also has taken a leading role in preparing and filing rate cases in Missouri, Kentucky, and Louisiana.

After receiving his Bachelor of Arts degree from Washington University in St. Louis, the first eleven years of his career were spent as an administrator and later director at a non-profit organization in St. Louis, Missouri. As Executive Director, Mr. Duncan oversaw accounting, finance, human resources, IT, and communications for the organization. During his employment he earned his Master of Business Administration from the Olin School of Business at Washington University. Prior to joining CSWR, he spent two years as Director of Operations with NAPA Auto Tire & Parts, a partner-owned chain of auto parts stores, overseeing projects related to distribution, logistics, IT, and general management.

**Jake Freeman – Director of Engineering**

Jake Freeman is the Director of Engineering of CSWR and has held this position since January 2019. As Director of Engineering, he oversees the engineering, surveying, and facility construction upgrades for all newly acquired CSWR water and wastewater utilities including those in Arizona, Arkansas, Florida, Kentucky, Louisiana, Missouri, Mississippi, North Carolina, South Carolina, Tennessee, and Texas. He also oversees ongoing capital upgrade projects on all CSWR affiliated and operated facilities.

After receiving a Bachelor of Science degree in Mechanical Engineering from the University of Missouri – Columbia, Mr. Freeman spent the first two years of his career working for Corrigan Mechanical, a design-build mechanical contractor in St. Louis, where he designed, estimated, and managed plumbing, HVAC and process piping construction projects in Missouri and southern Illinois. He then spent eleven years performing similar tasks for Brotcke Well & Pump, a well and pump service contractor servicing water wells and water treatment equipment throughout Missouri, Illinois, Kentucky, and Kansas. Prior to his employment with CSWR, he held the position of Vice President of Brotcke Well & Pump and Principal for their engineering services and managed their newly opened office in Kansas City.

**Jo Anna McMahon - Vice President of Government Affairs**

Jo Anna McMahon is the Vice President of Government Affairs for CSWR. Ms. McMahon holds several top water and wastewater certifications throughout the country. She received her Bachelor of Business Administration degree from the University of Arkansas at Little Rock, and will be graduating in May 2023 with a Master of Business Administration degree from Washington University in St. Louis, Missouri.

Before joining CSWR, Ms. McMahon worked for both public and private utilities, respectively serving a both municipality and military installations. Ms. McMahon has extensive experience as both an Operations Coordinator and as a Specification Specialist.

In her previous position as Director for Environmental Health and Safety at CSWR, her responsibilities included managing daily operations of wastewater and water treatment facilities of various sizes ranging from 3,600 gallons per day (gpd) to 64,000,000 gpd. Throughout that time, Ms. McMahon led teams of operators in creating and executing infrastructure improvement plans, managing and developing employees, and providing a standard of excellence in customer service while keeping facilities and operations within regulatory compliance.

Ms. McMahon's previous employment equipped her with invaluable experience in water and sewer utilities. She has a wide range of firsthand experience in managing water and wastewater treatment facilities safely and in a financially and operationally sound manner.

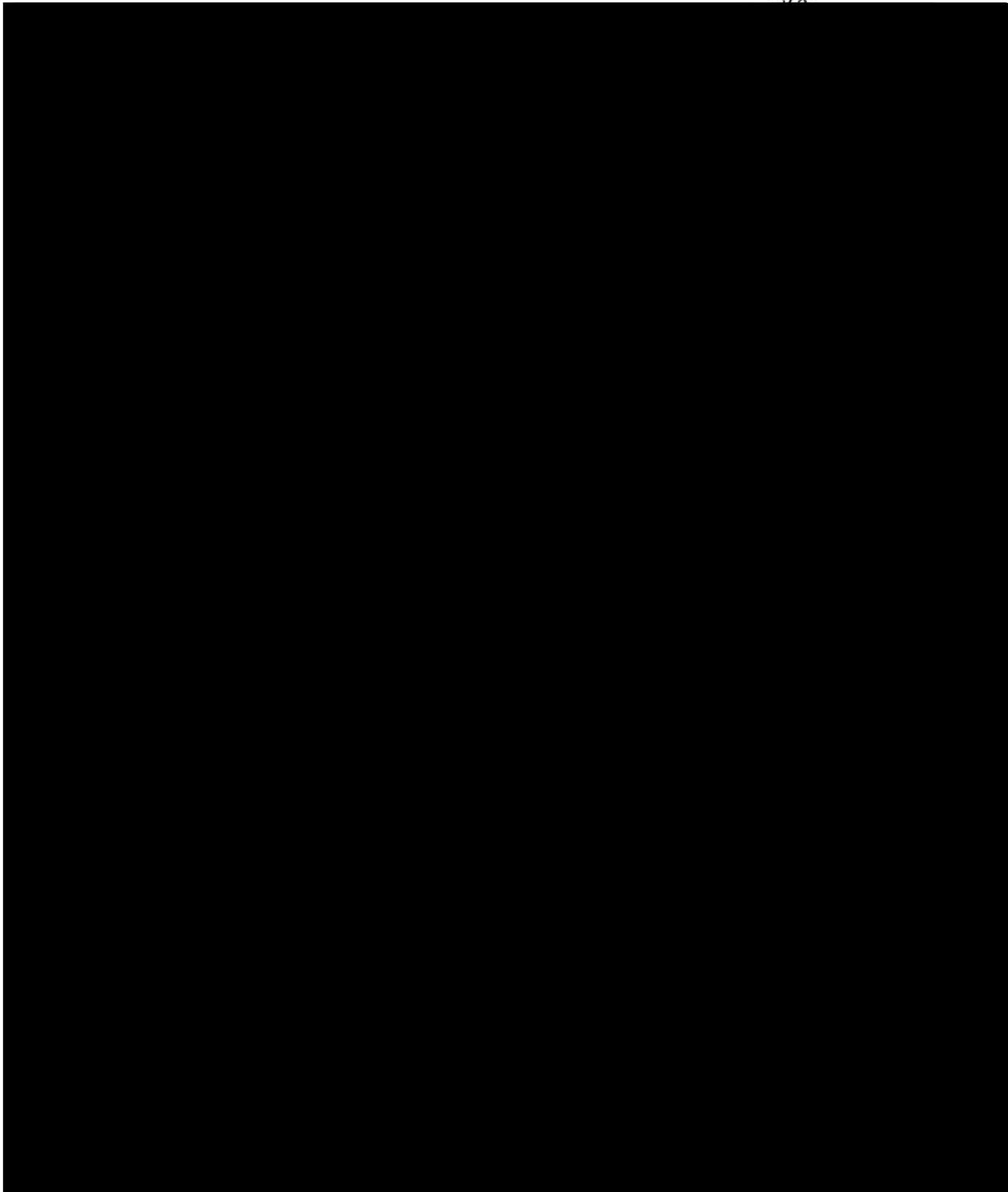
### **Chelsie Carter - Director of Customer Experience**

Chelsie Carter is the Director of Customer Experience at CSWR. Ms. Carter joined CSWR in 2021 as Customer Experience Manager and was promoted to Director level within seven months, leading an overhaul of the CSWR's customer service functions during a period of dramatic growth.

Ms. Carter first earned a Bachelor of Science degree followed by her Master of Business Administration from Lindenwood University. She has a strong background in training and management as well as extensive experience with utility providers. Prior to joining CSWR, she led the Accounts Receivable division at the St. Louis Metropolitan Sewer District, where she also served as the point of contact for dozens of major accounts. Areas of oversight included billing \$34M per month in customer invoices, customer service for 430k customers, processing an average of \$1M in payment remittance per day and collecting more than \$92M in delinquent accounts. Ms. Carter also spent 16 years with American Water, starting as the supervisor for the Customer Call Center and working her way up to Business Services Specialist. In this role she was the point of contact for the Public Service Commission on customer-related issues and resolutions. She has provided direction and support for several rate cases, acquisitions, and software implementations.

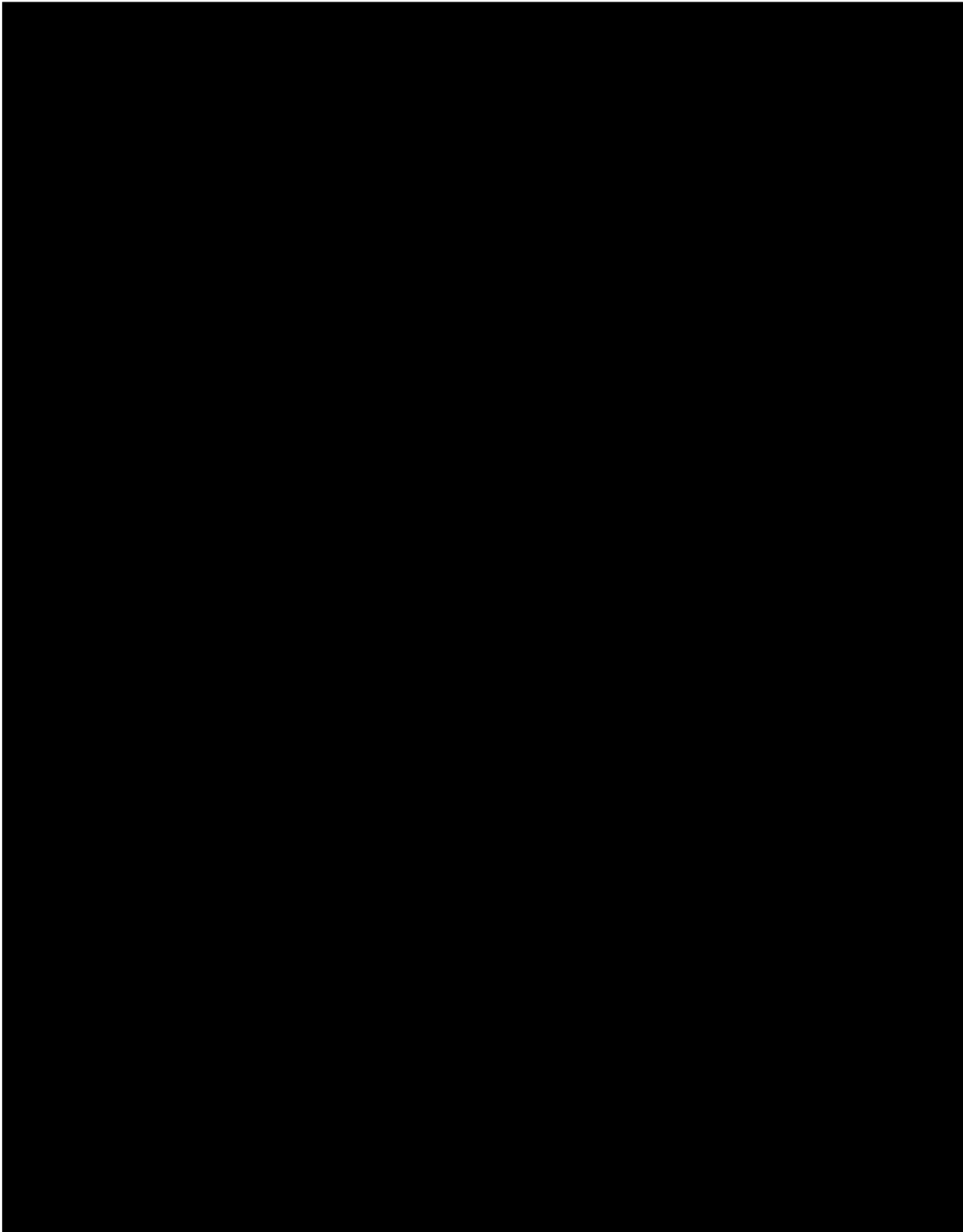
Since joining CSWR, Ms. Carter continues to oversee the entire customer life cycle, focusing on improving the customer experience in the areas of self-service, software systems and processes.

**AGREEMENT FOR SALE OF UTILITY SYSTEM**

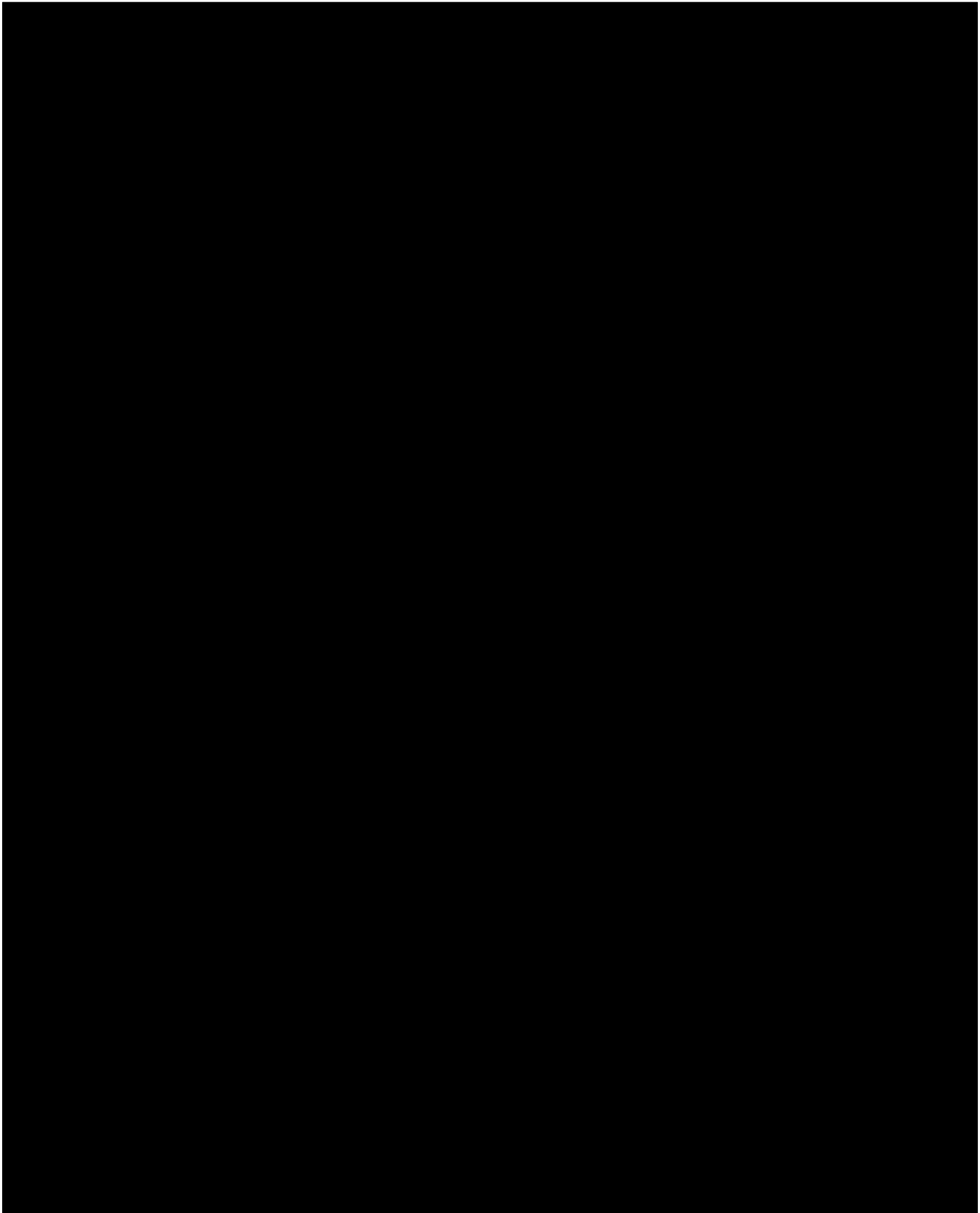


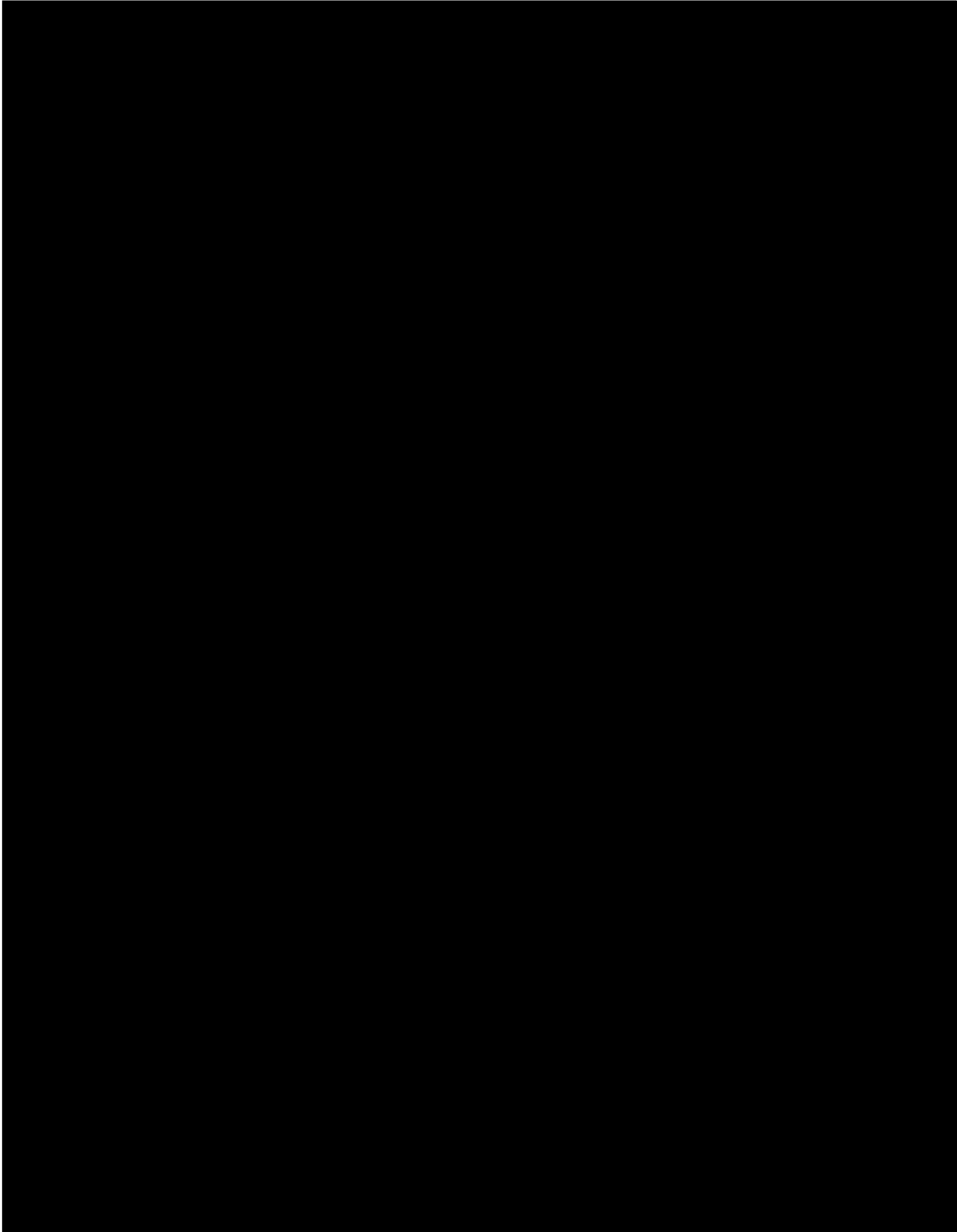
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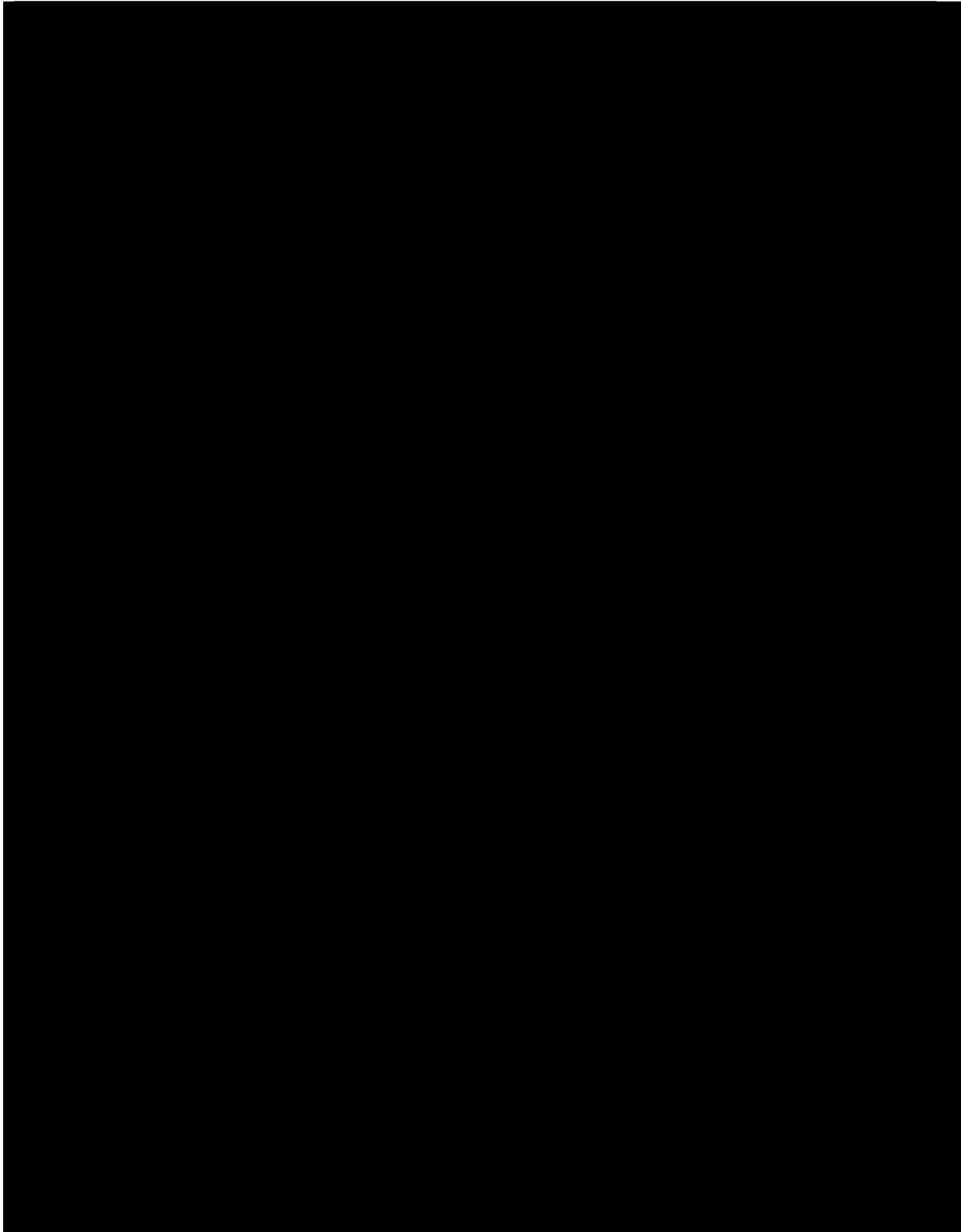
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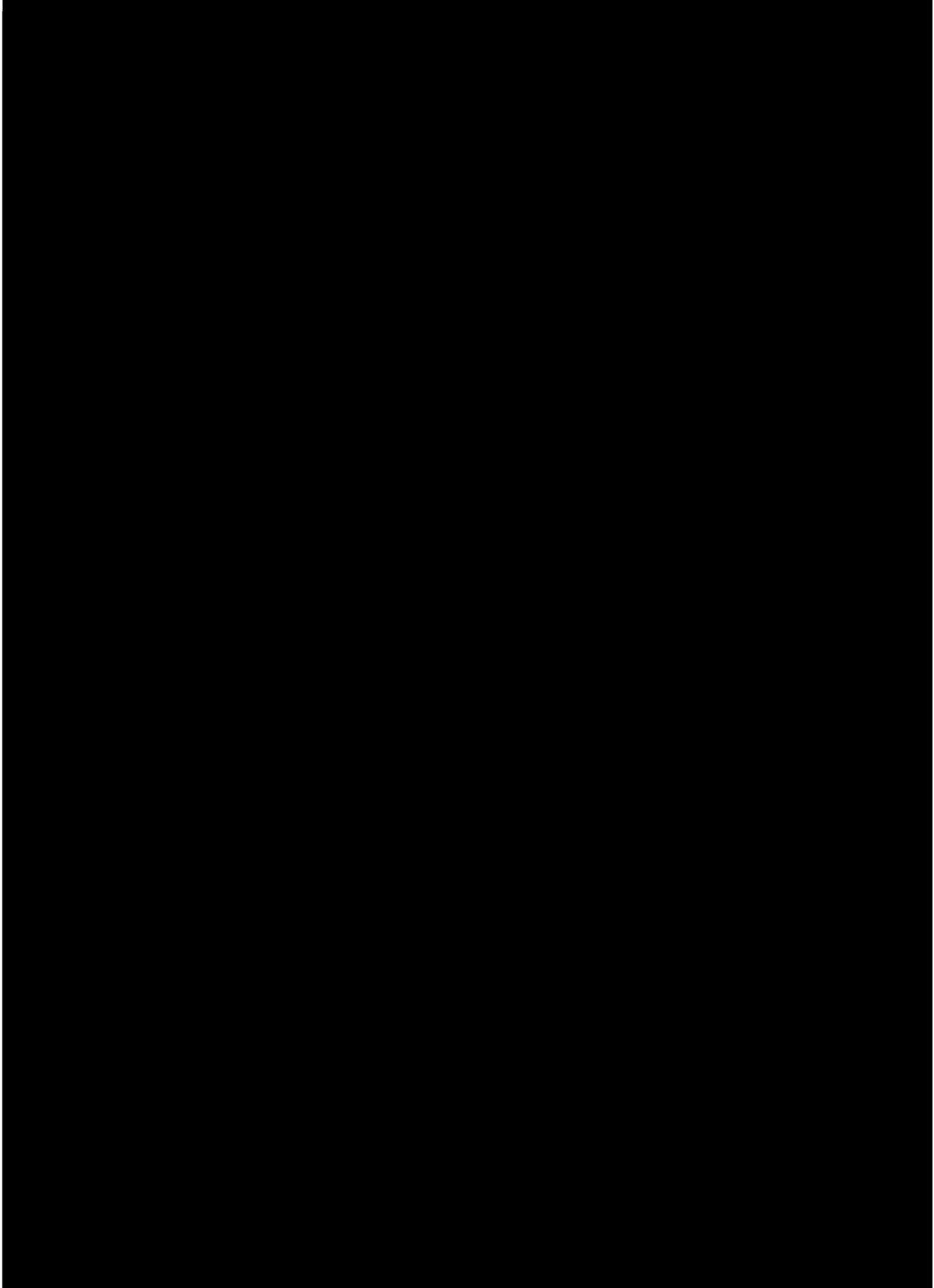


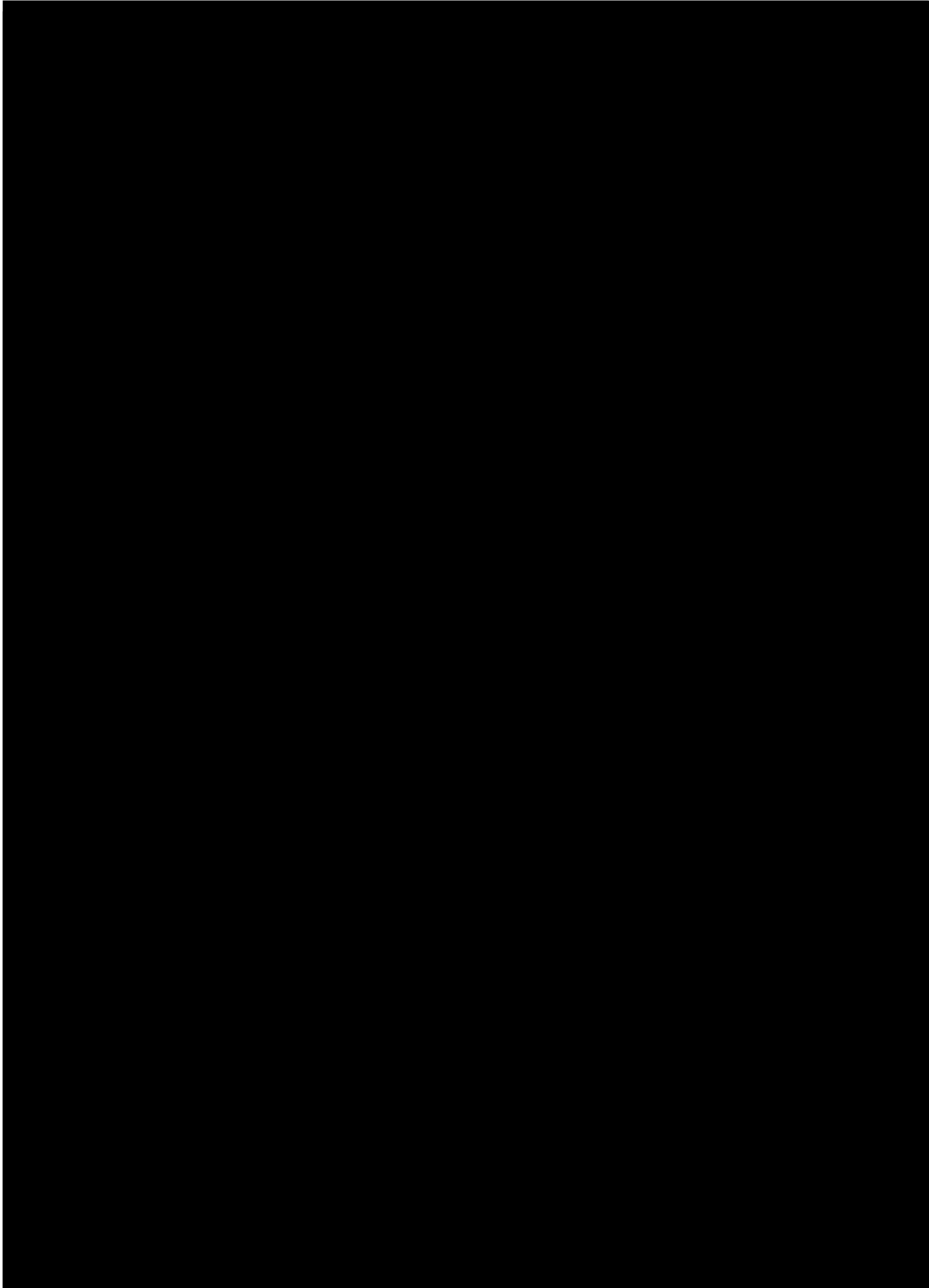


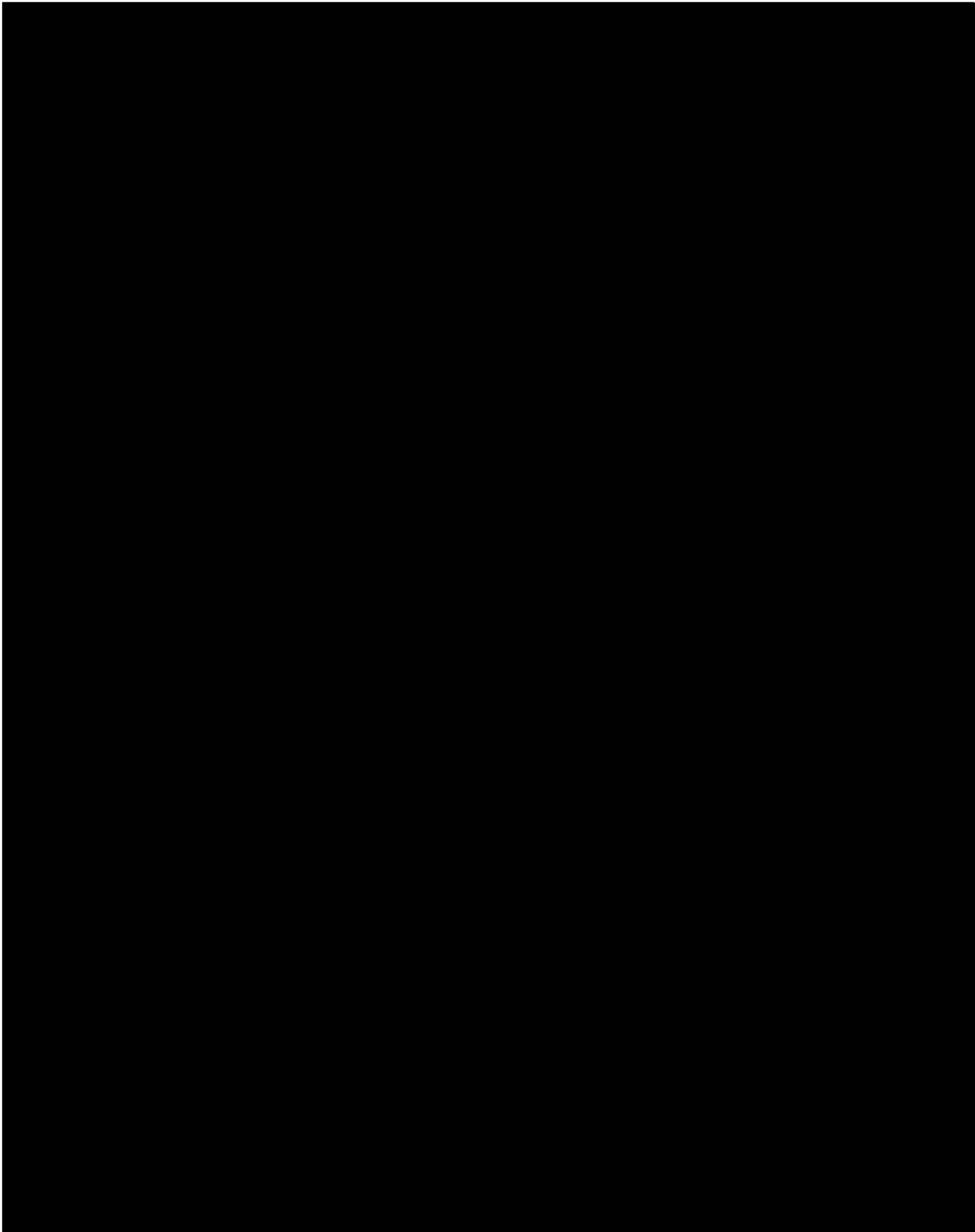




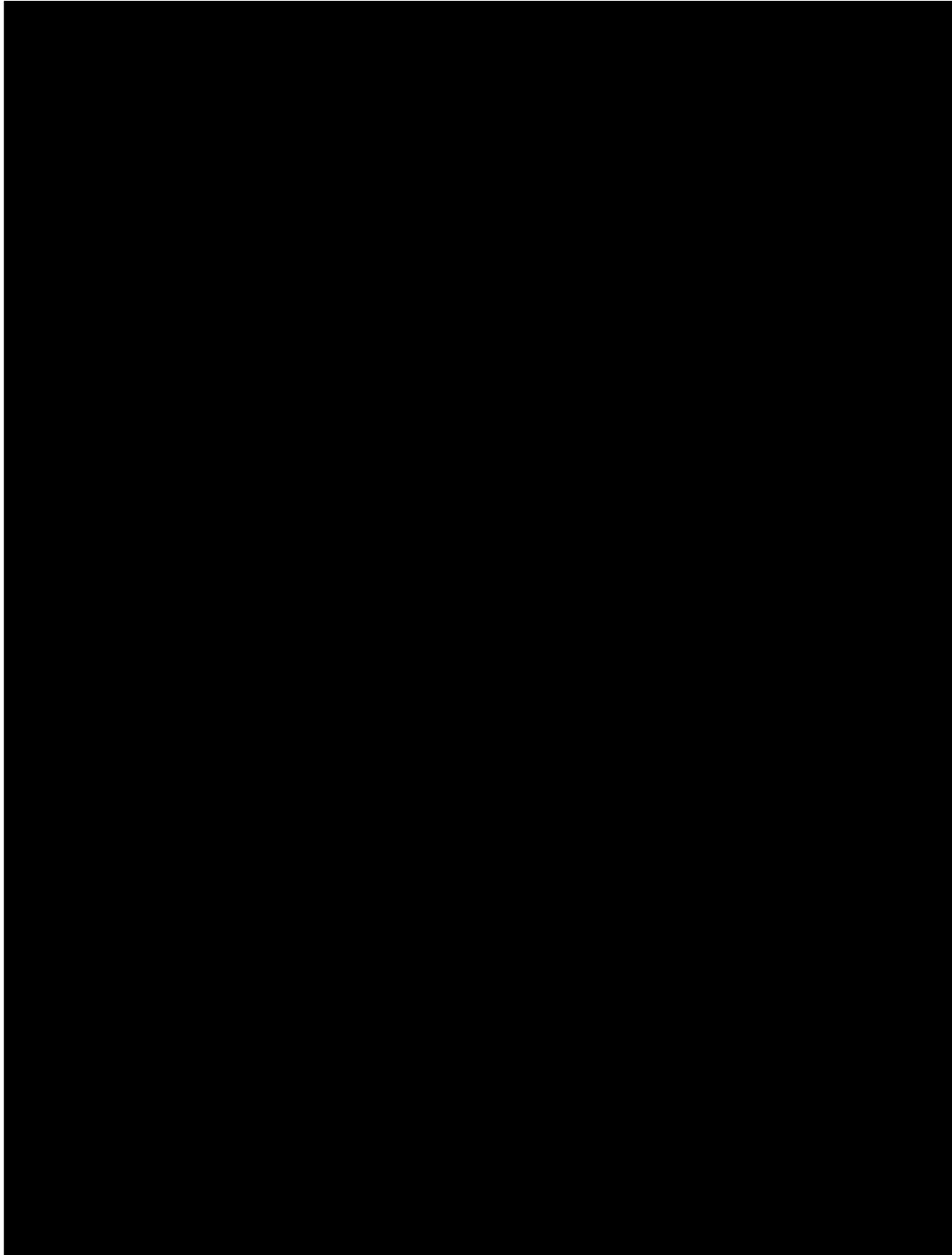


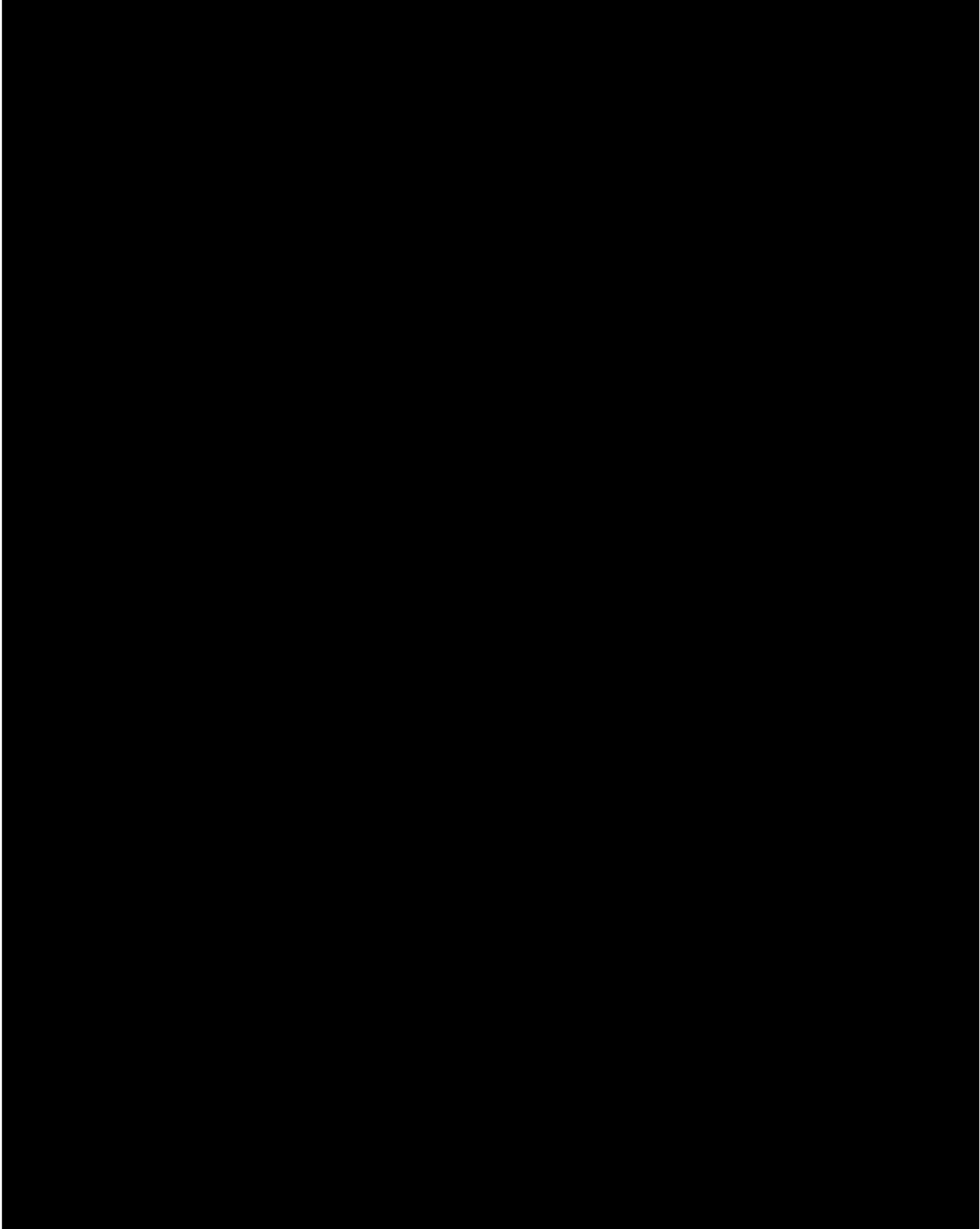


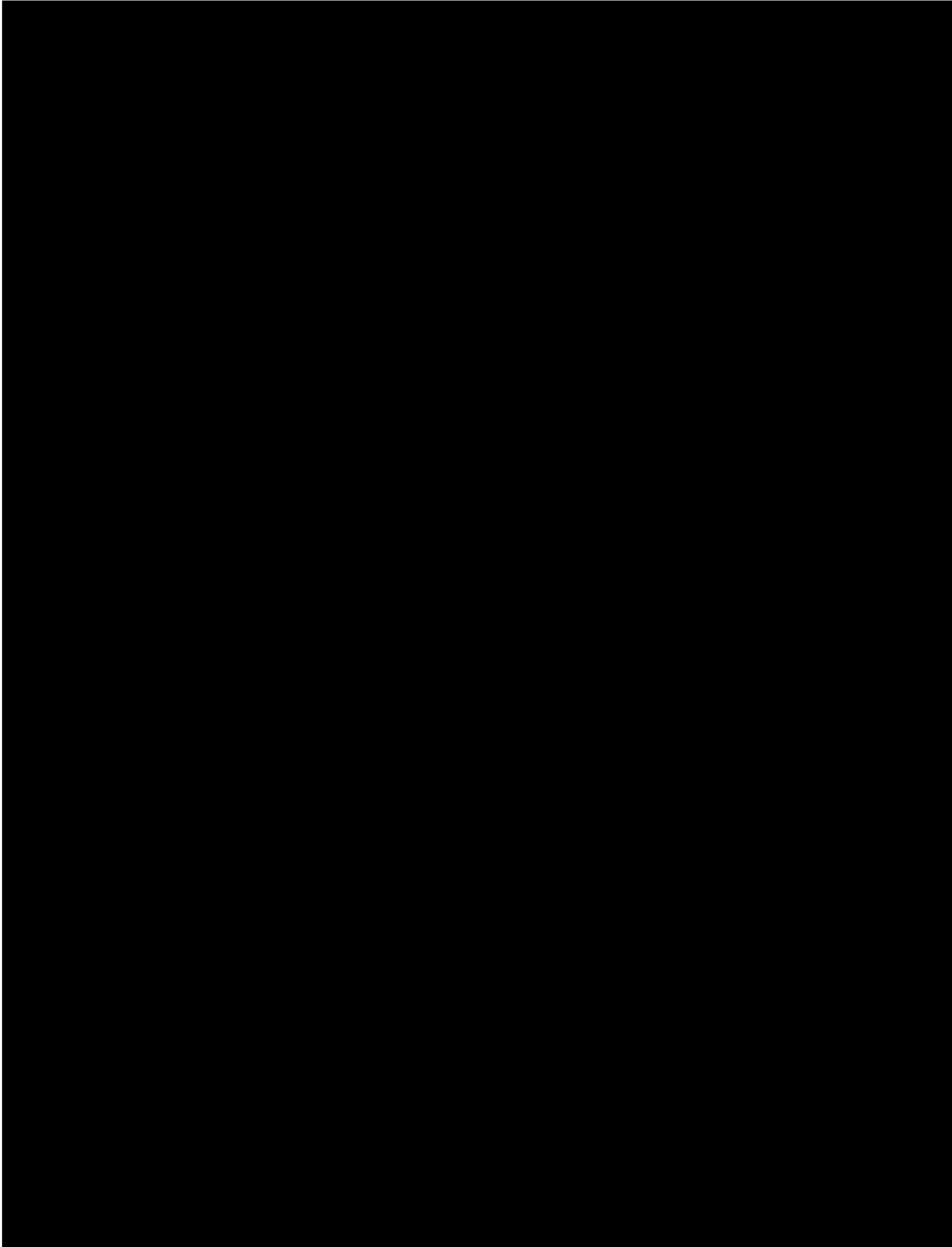


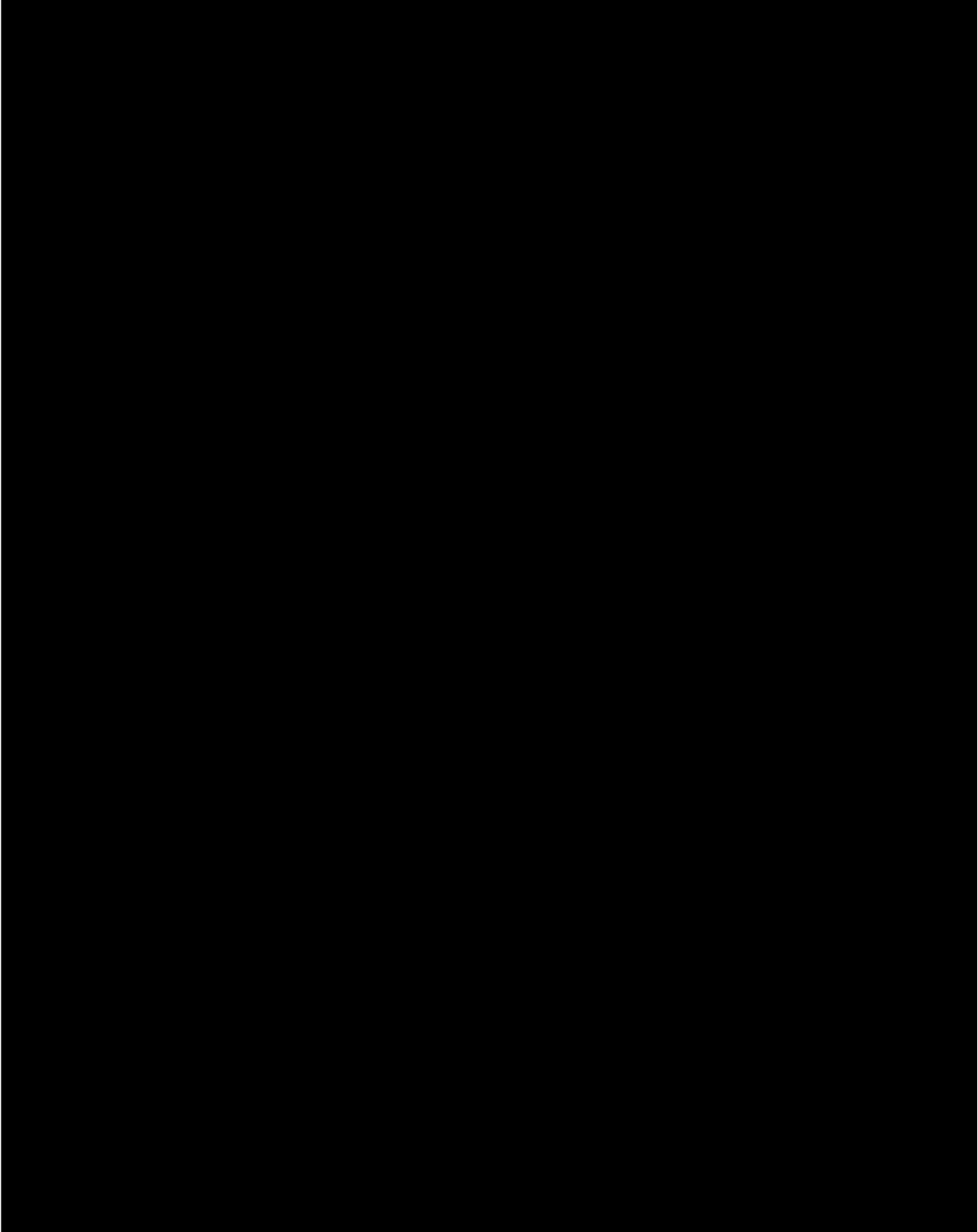


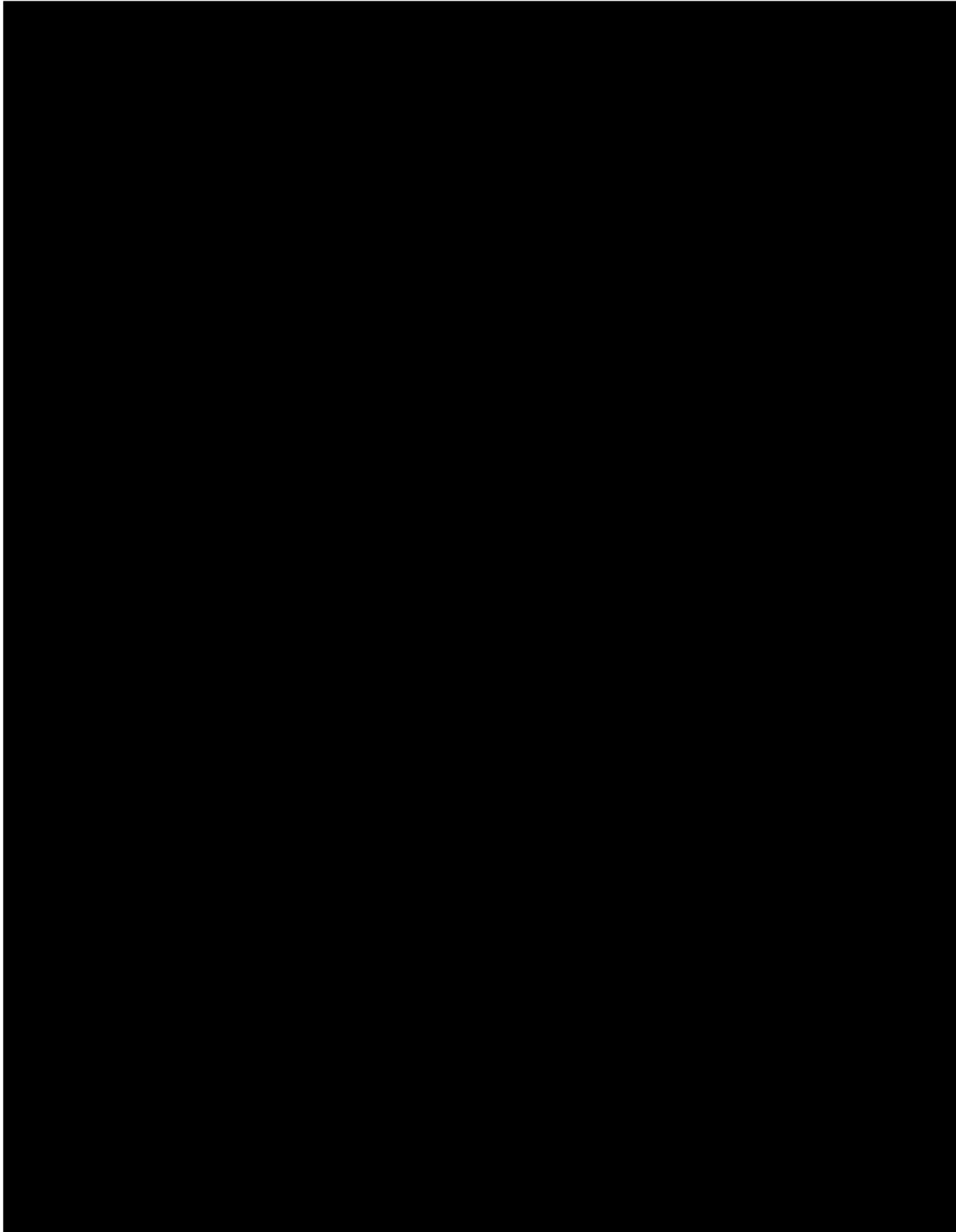


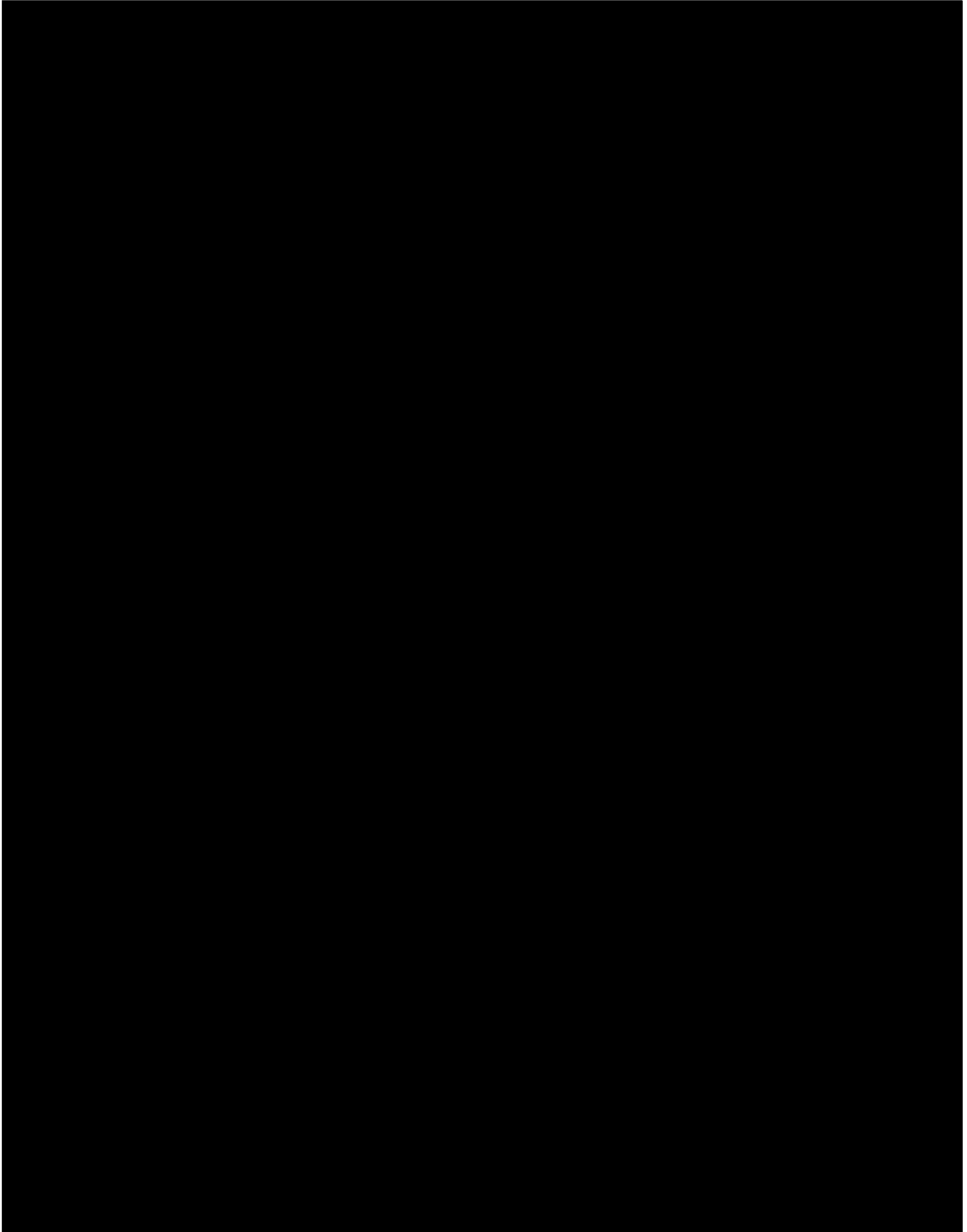




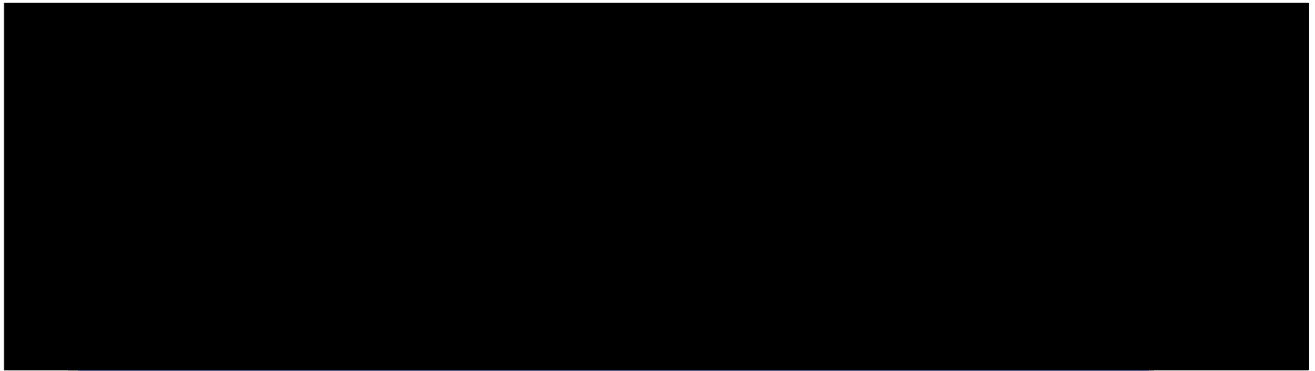













**SELLER:**

PINE MOUNTAIN PROPERTY OWNERS  
ASSOCIATION, INC.

By:   
Edith Stitt, President

**BUYER:**

CENTRAL STATES WATER  
RESOURCES, INC.

By:   
Josiah Cox, President



Shaping Communities Together

## ENGINEERING MEMORANDUM

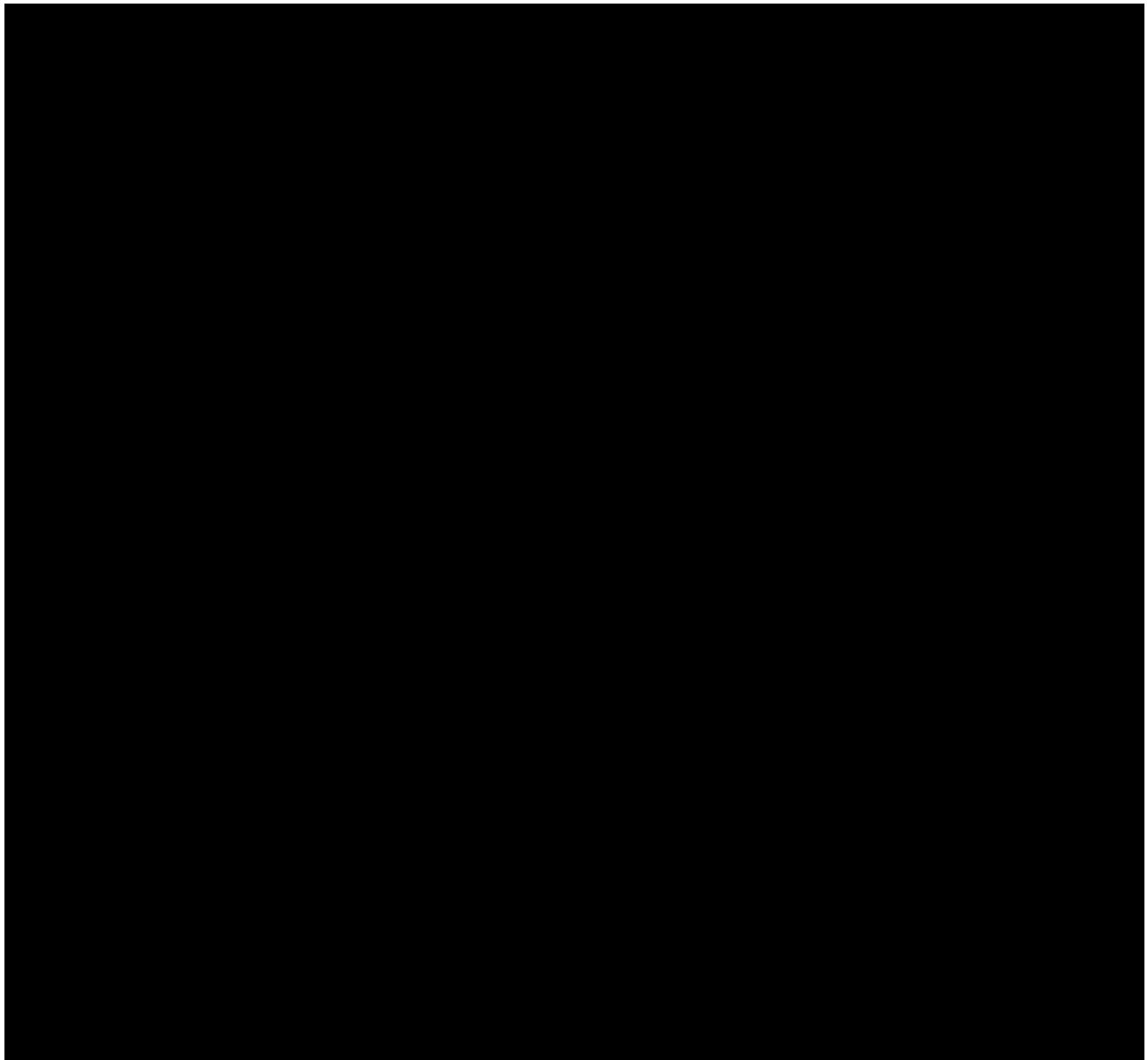
Pine Mountain Property Owners Association, Inc.

Wastewater System

NPDES NC0036935

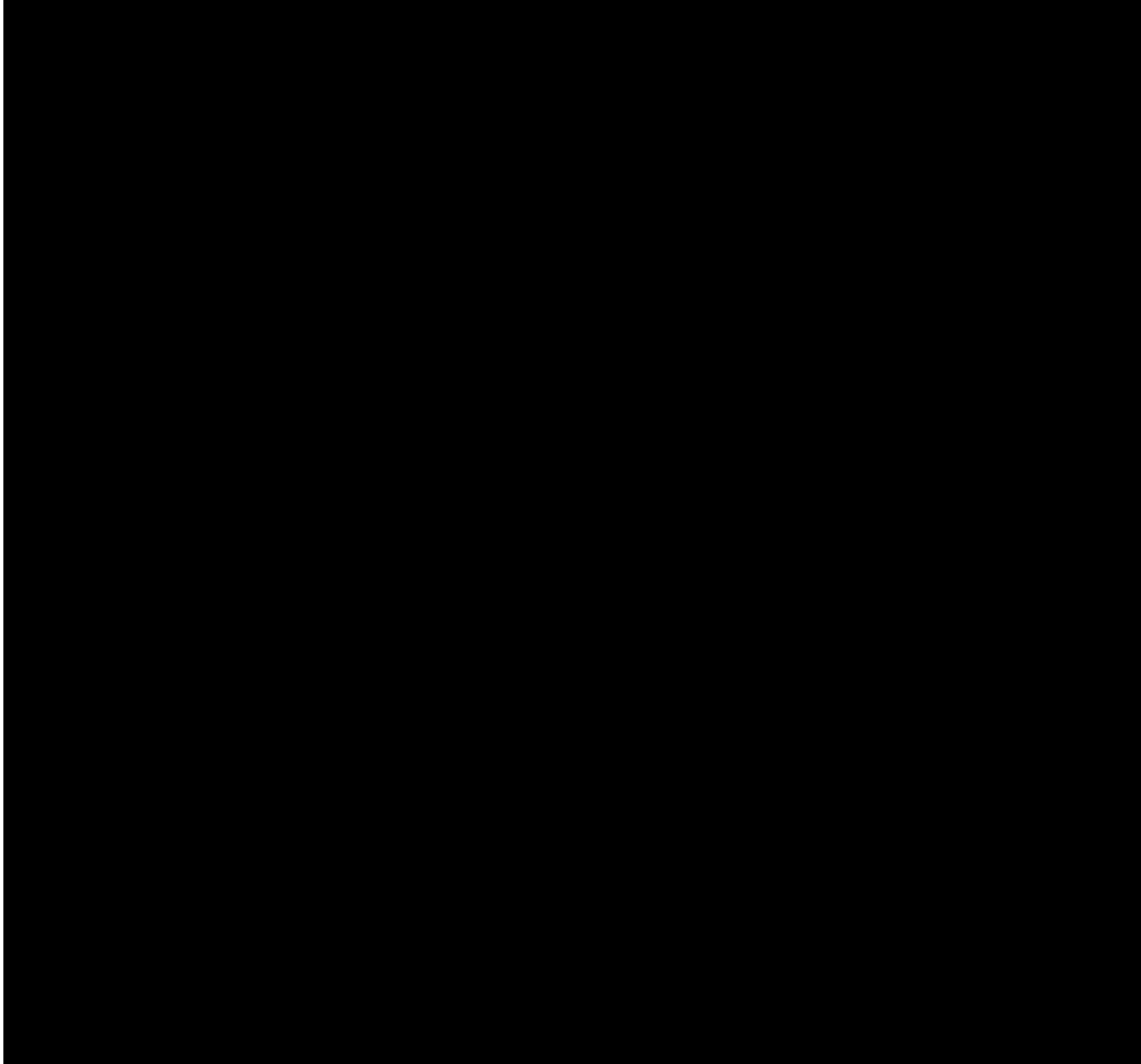
Connelly Springs, Burke County, NC

May 2021



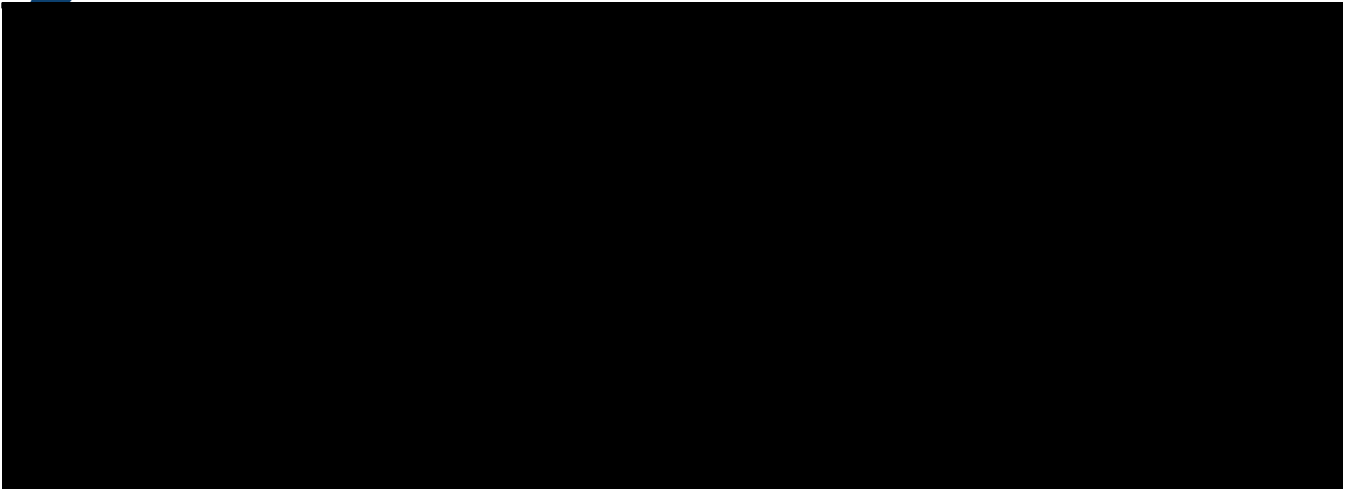
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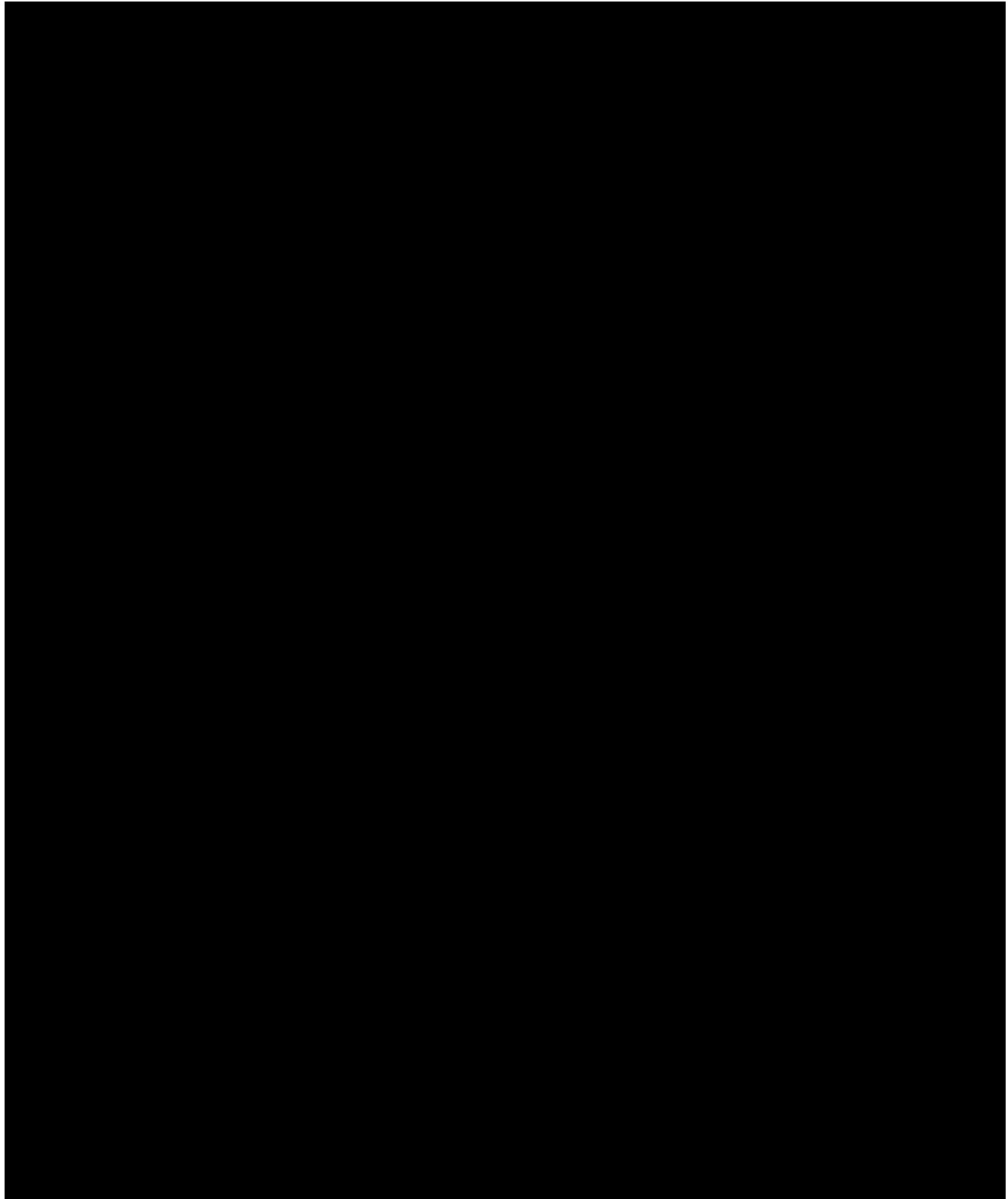


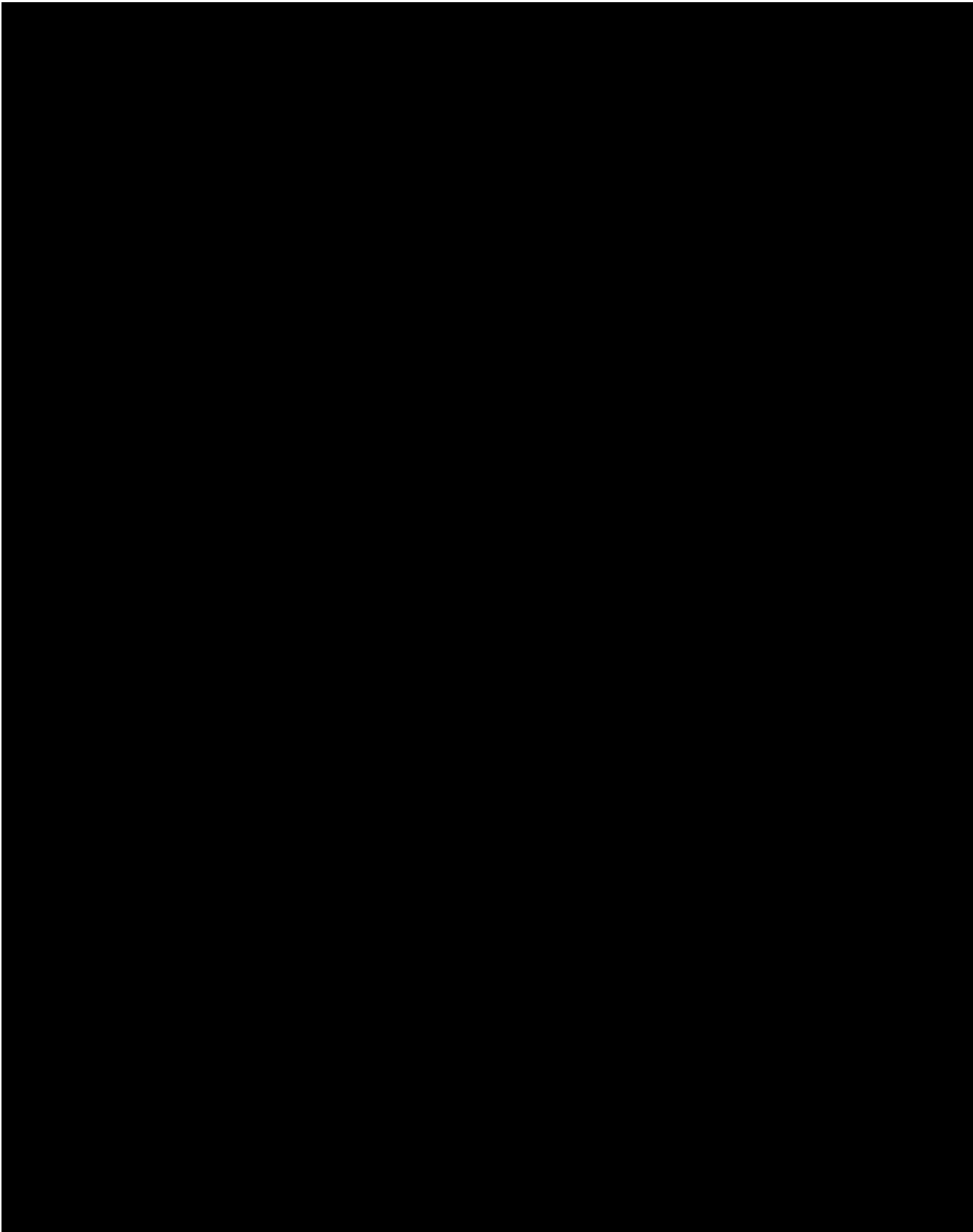
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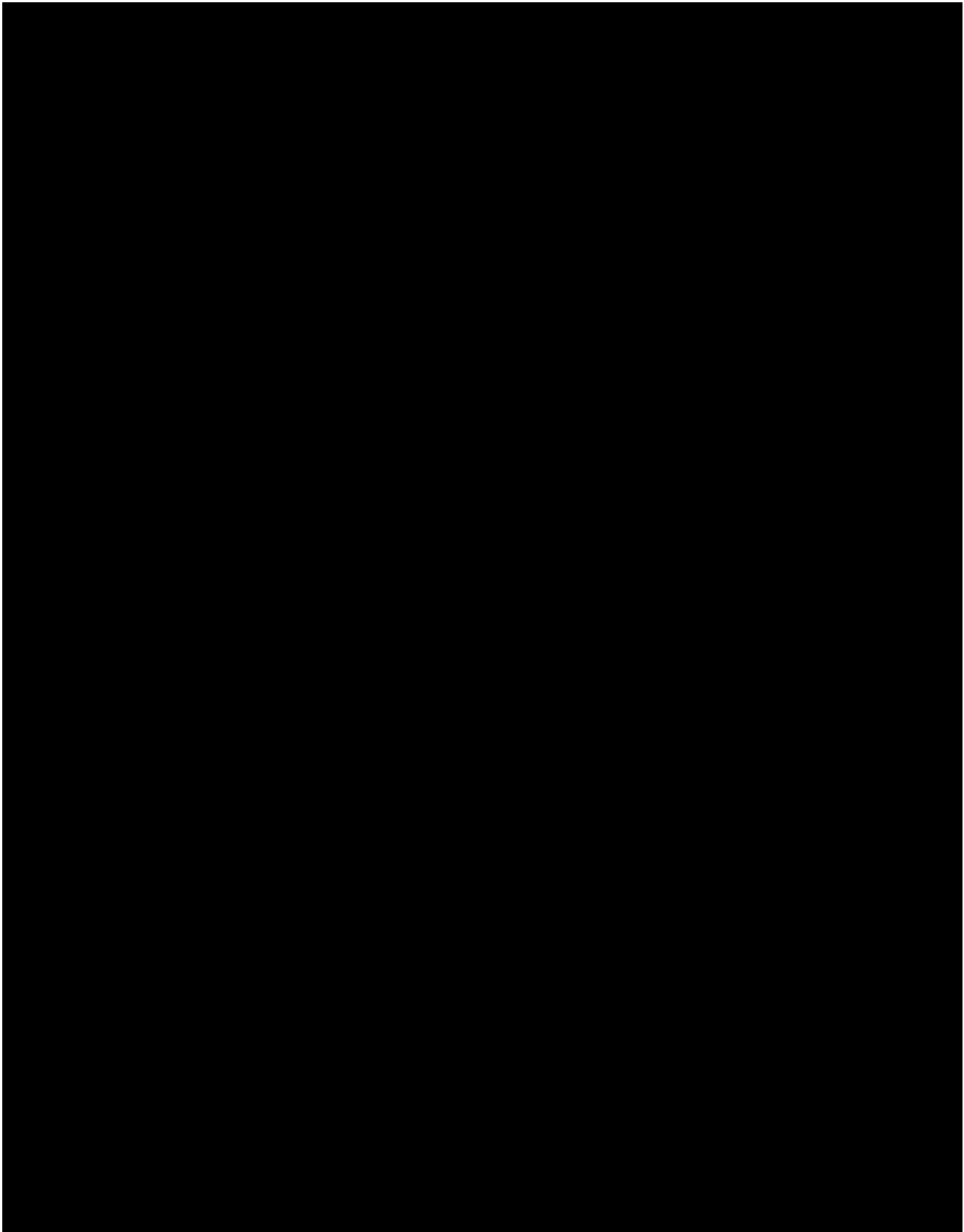
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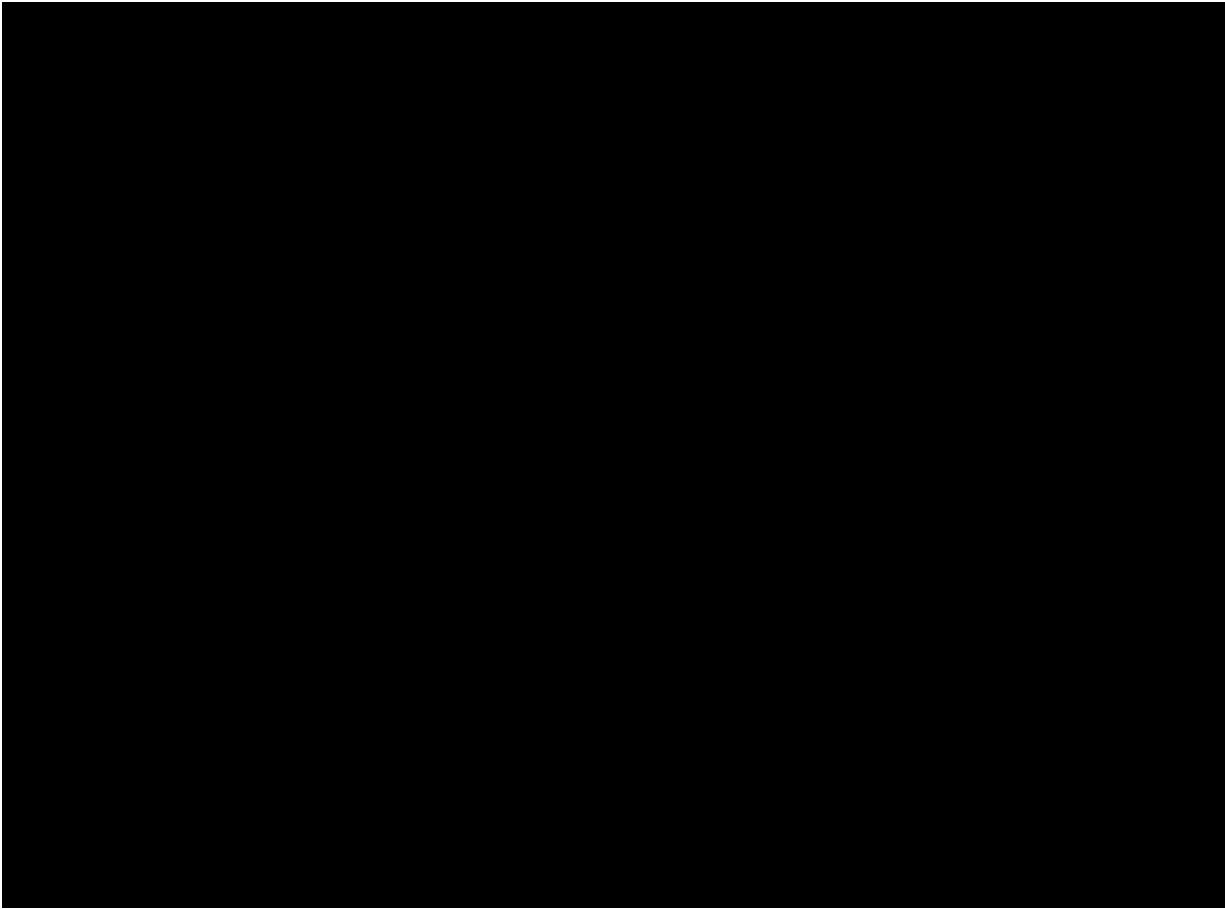
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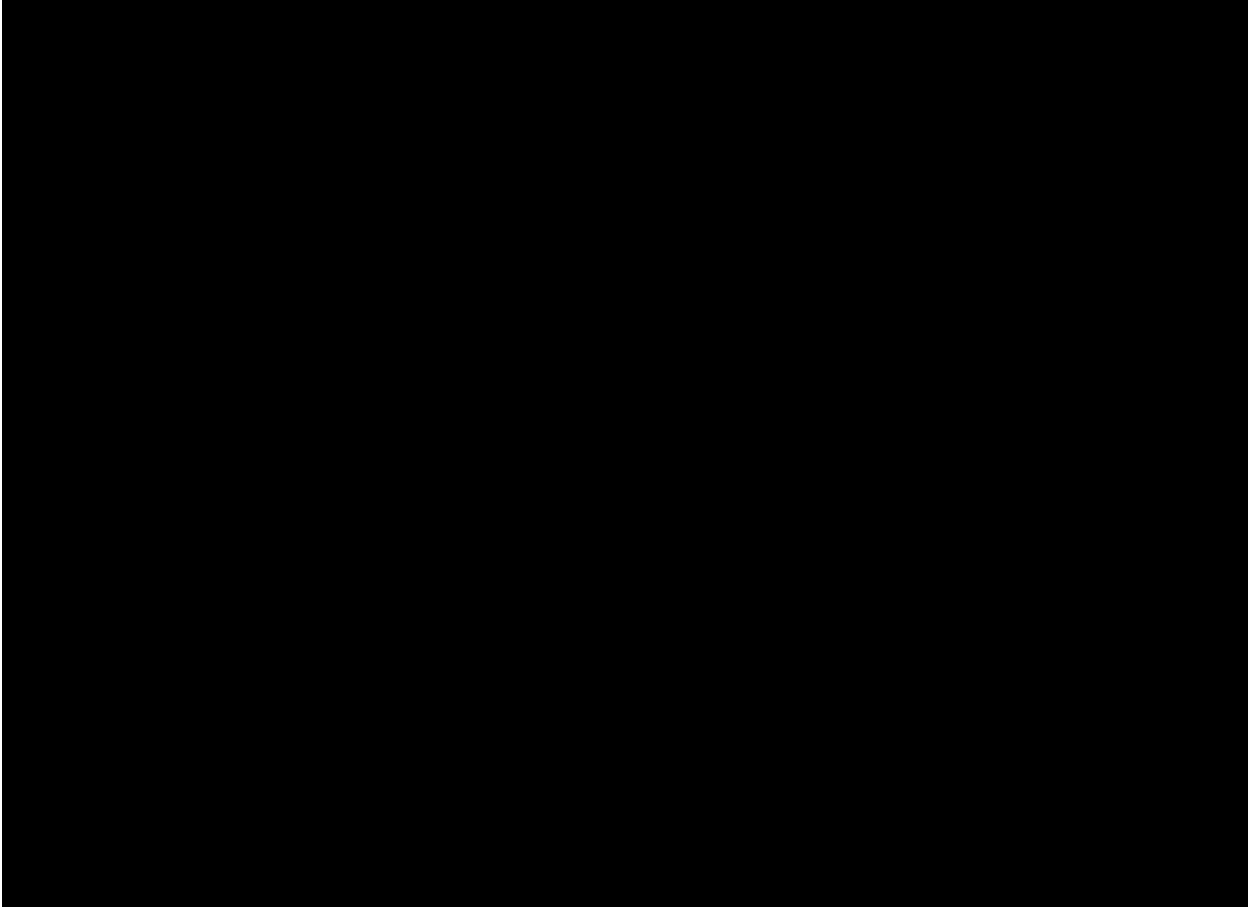




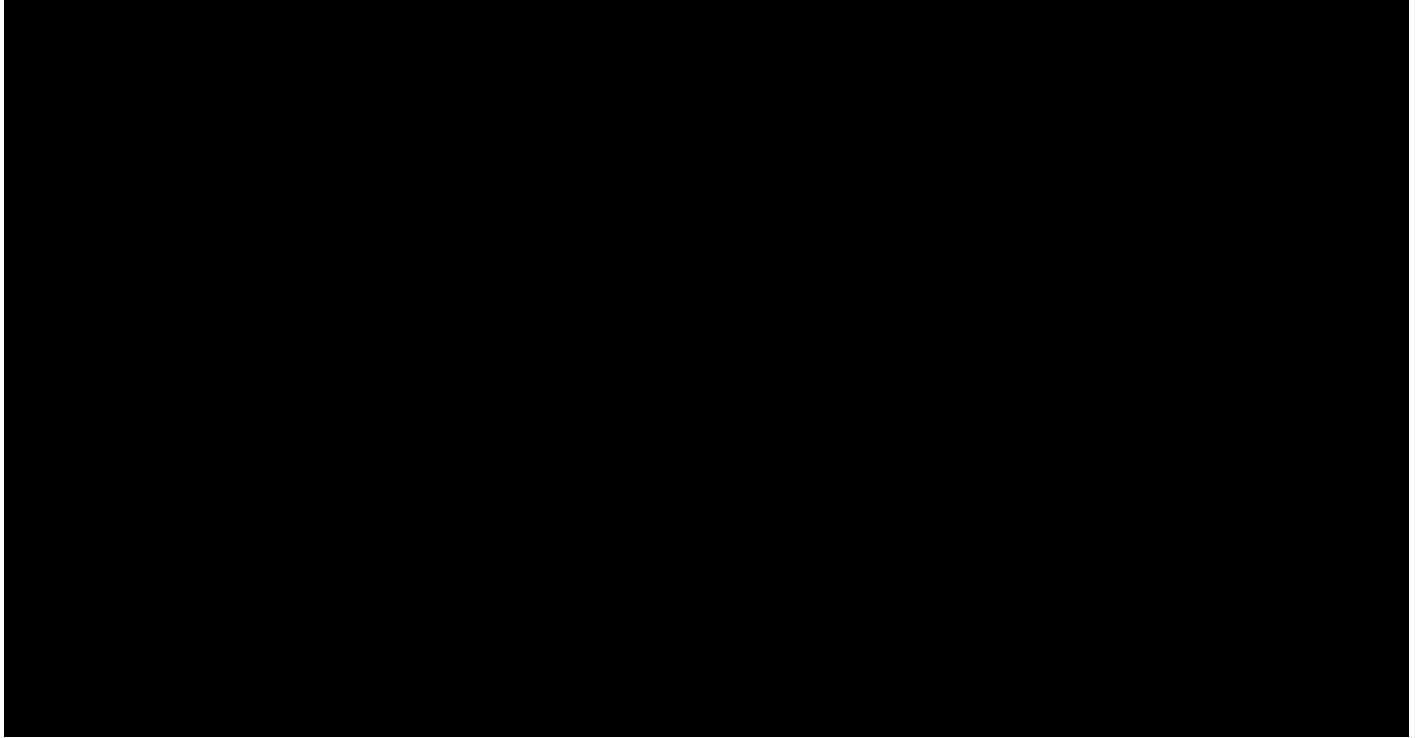








**PRELIMINARY OPINION OF PROBABLE COST**  
**Central States Water Resources, Inc.**  
**Pine Mountain POA Wastewater System (5 Year Improvements)**  
**Burke County, North Carolina**  
**Revised September 2021**



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Feb 16 2024

# Appendix A

## NPDES Permit

ROY COOPER  
*Governor*  
MICHAEL S. REGAN  
*Secretary*  
S. DANIEL SMITH  
*Director*



9/23/2020

Edith Stitt, President  
Pine Mountain POA, Inc.  
2885 Pine Mountain Drive  
Connelly Springs, NC 28612

Subject: Final NPDES Permit NC0036935  
Pine Mountain Lakes WWTP  
Grade II Biological WPCS  
Burke County

Dear Ms. Stitt:

Division personnel have reviewed and approved your application for renewal of the subject permit. Accordingly, we are forwarding the attached final NPDES discharge permit. This permit is issued pursuant to the requirements of North Carolina General Statute 143-215.1 and the Memorandum of Agreement between North Carolina and the U.S. Environmental Protection Agency dated October 15, 2007 (or as subsequently amended).

**The final permit includes adjustments in permit language and additional conditions as compared to the draft permit that was previously sent to you on July 7, 2020.** During the public notice period for the draft permit the Division received a number of comments expressing concerns about the discharge from this treatment system and its potential impact to surface waters. These comments included requests for a public hearing on this permit renewal. The Division has reviewed the comments provided and the request for a hearing and determined that a public hearing will not be held. However, we do agree that the concerns presented, ongoing operational issues at the facility and potential changes in wastewater loading warrant additional conditions and requirements in the final permit.

The changes made in the final permit are designed to gather additional information and guide changes that may be necessary to the treatment system and to the permit to achieve consistent compliance. The additional information will also help you, as the owner, to gain more insight into efficient and effective operation of the treatment system. The final permit responds to Division concerns and to the concerns expressed in comments received during the notice process. Changes in the final permit are summarized below.



North Carolina Department of Environmental Quality | Division of Water Resources  
512 North Salisbury Street | 1617 Mail Service Center | Raleigh, North Carolina 27699-1617  
919.707.9000

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Feb 16 2024

### Summary of Permit Changes:

- Monitoring additions [refer to Effluent Limitation tables in A.(1.) and A. (2.)] - The final permit includes an adjustment to your existing effluent monitoring frequencies to require that samples for BOD, TSS and Fecal Coliform are taken 2 times per week rather than once per week. This change will provide more frequent characterization of your discharge to better assess the ongoing operation of the treatment system. The permit also includes a footnote to require that if events occur that may increase flow to your treatment system, monitoring should occur to best characterize these events, including required monitoring on Mondays after events occurring over a weekend.

Monitoring will also now be required instream, both above and below your effluent discharge point for Fecal Coliform. This change will provide direct information on any potential instream water quality impacts associated with discharge from your treatment system. Staff in our Asheville Regional Office will work with you to designate appropriate sampling locations to provide necessary information on the receiving stream and any adjacent waters as needed.

- Treatment System Evaluation [see Section A.(3.) of the permit] – A special condition has been added to the permit to require that you work with appropriate professionals to assess and report on the condition and operation of your treatment system. The condition requires that you work closely with our Asheville Regional Office staff on this process including receiving approval on your proposed process within one month of the effective date of the permit and providing quarterly status reports on the evaluation. This evaluation and report must be completed within one year of the effective date of the permit, and findings implemented within one year of submittal of the final report. This condition also requires that your onsite operator complete and submit a monthly process control log. These conditions will assist in evaluating and adjusting your operation and maintenance procedures to assure ongoing compliance with your permit conditions.
- Instream Assessment and Reopener [see Section A. (4) of the permit] – A special condition has been added to the final permit for the Division of Water Resources staff to evaluate instream assessment information for surface waters adjacent to your treatment system discharge. The results of this study will assist the Division in evaluating the need for any further adjustments to your permit requirements to protect water quality.

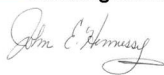
Please review these final permit changes and become familiar with the requirements as they add further responsibilities under your wastewater discharge permit. As noted in a number of these changes in your permit, Asheville Regional Office staff will be working with you to establish appropriate monitoring locations and to review your ongoing assessment activities.

If any parts, measurement frequencies or sampling requirements contained in this permit are unacceptable to you, you have the right to an adjudicatory hearing upon written request within thirty (30) days following receipt of this letter. This request must be in the form of a written petition, conforming to Chapter 150B of the North Carolina General Statutes, and filed with the Office of Administrative Hearings (6714 Mail Service Center, Raleigh, North Carolina 27699-6714). Unless such demand is made, this permit shall be final and binding.

Please note that this permit is not transferable except after notice to the Division. The Division may require modification or revocation and reissuance of the permit. This permit does not affect the legal requirements to obtain any other Federal, State, or Local governmental permit that may be required.

If you have any questions or need additional information, please do not hesitate to contact Bradley Bennett of my staff at (919) 707-3629 or [bradley.bennett@ncdenr.gov](mailto:bradley.bennett@ncdenr.gov).

Sincerely,

DocuSigned by:  
  
8328B44CE9EB4A1...

S. Daniel Smith  
Director, Division of Water Resources

cc: NPDES Files  
Asheville Regional Office / Water Quality - electronic



STATE OF NORTH CAROLINA  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
DIVISION OF WATER RESOURCES

PERMIT

TO DISCHARGE WASTEWATER UNDER THE  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of North Carolina General Statute 143-215.1, other lawful standards and regulations promulgated and adopted by the North Carolina Environmental Management Commission, and the Federal Water Pollution Control Act, as amended, the

**Pine Mountain Property Owners Association**

is hereby authorized to discharge wastewater from a facility located at the

**Pine Mountain Lakes WWTP  
off Wards Gap Road (NCSR 1901)  
Connelly Springs  
Burke County**


to receiving waters designated as Jacob Fork in the Catawba River Basin in accordance with effluent limits, monitoring requirements, and other conditions set forth in Parts I, II, III and IV hereof.

This permit shall become effective November 1, 2020

This permit and authorization to discharge shall expire at midnight on **July 31, 2025**.

*If the permittee intends to continue to discharge at the facility beyond the term of this permit, a renewal application must be submitted no later than February 1, 2025 (180 days before the expiration of this permit).*

Signed this day September 23, 2020

DocuSigned by:  
  
8328B44CE9EB4A1...

\_\_\_\_\_  
S. Daniel Smith, Director  
Division of Water Resources  
By Authority of the Environmental Management Commission

## SUPPLEMENT TO PERMIT COVER SHEET

All previous NPDES Permits issued to this facility, whether for operation or discharge are hereby revoked, and as of this issuance, any previously issued permit bearing this number is no longer effective. Therefore, the exclusive authority to operate and discharge from this facility arises under the permit conditions, requirements, terms, and provisions included herein.

The **Pine Mountain Property Owners Association** is hereby authorized to:

1. Continue to operate an existing 0.020 MGD extended aeration wastewater treatment facility with the following components:

- ◆ Influent pump station
- ◆ Manual bar screen
- ◆ Equalization tank w/airlift geysers pump
- ◆ Flow control box
- ◆ Aeration basin
- ◆ Dual hoppered clarifiers
- ◆ Aerobic digester
- ◆ Tablet chlorinator
- ◆ Chlorine contact tank
- ◆ Concrete junction box
- ◆ Polishing pond

This facility is located at the Pine Mountain Lakes WWTP, off Wards Gap Road (NCSR 1901), in Connelly Springs in Burke County.

2. After receiving an Authorization to Construct from the Division of Water Resources, construct and operate a wastewater treatment system not to exceed 0.0696 MGD, and
3. Discharge from said treatment works at the location specified on the attached map into Jacob Fork, currently classified WS-III ORW waters in sub-basin 03-08-35 [HUC: 030501020201] in the Catawba River Basin.

**PART I****A. (1.) EFFLUENT LIMITS AND MONITORING REQUIREMENTS – 0.02 MGD**

[15A NCAC 02B .0400 et seq., 02B .0500 et seq.]

Grade II Biological Water Pollution Control System [15A NCAC 08G.0302]

During the period **beginning on the effective date of this permit and lasting until expansion above 0.020 MGD or until expiration**, the permittee is authorized to discharge treated wastewater from outfall 001. Such discharges shall be limited and monitored<sup>1</sup> by the permittee as specified below:

EFFLUENT CHARACTERISTICS  <i>Parameter Code</i>		EFFLUENT LIMITS		MONITORING REQUIREMENTS		
		Monthly Average	Daily Maximum	Measurement Frequency	Sample Type	Sample Location <sup>2</sup>
Flow	50050	0.020 MGD		Continuous	Recorder	Influent or Effluent
BOD, 5-Day (20 Deg. C) <sup>4</sup>	00310	30.0 mg/L	45.0 mg/L	2 / Week <sup>3</sup>	Grab	Effluent
Total Suspended Solids <sup>4</sup>	CO530	30.0 mg/L	45.0 mg/L	2 / Week <sup>3</sup>	Grab	Effluent
NH <sub>3</sub> as N	CO610	Monitor and Report (mg/L)		2 / Month	Grab	Effluent
Fecal Coliform ( <i>geometric mean</i> ) <sup>4</sup>	31616	200/100 ml	400/100 ml	2 / Week <sup>3</sup>	Grab	Effluent
Fecal Coliform ( <i>geometric mean</i> ) <sup>4</sup>	31616	Monitor and Report /100 ml		2 / Week <sup>3</sup>	Grab	Upstream & Downstream
Total Residual Chlorine <sup>5</sup>	50060		28 µg/L	2 / week	Grab	Effluent
Temperature	00010	Monitor and Report (°C)		Weekly	Grab	Effluent
Total Phosphorus (as P)	CO665	Monitor and Report (mg/L)		Quarterly	Grab	Effluent
Total Nitrogen (as N) (NO <sub>2</sub> +NO <sub>3</sub> +TKN)	CO600	Monitor and Report (mg/L)		Quarterly	Grab	Effluent
pH	00400	Between 6 and 9 standard units		Weekly	Grab	Effluent
Process Control				Monthly <sup>6</sup>		

**Footnotes:**

- The permittee shall submit discharge monitoring reports electronically using the NC DWR's eDMR system [see A. (5.)].
- Upstream and Downstream monitoring locations will be established by Asheville Regional Office staff.
- Where events will occur that have the potential to increase flow in the system, BOD, TSS and Fecal Coliform monitoring must occur on days that will best capture the potential effects of those events. If events occur over the weekend, monitoring must occur the following Monday.
- Following the implementation of actions required as a result of the reviews in the Treatment System Evaluation [Section A. (3.)] sampling frequencies and requirements may be reduced upon written request and approval by the Division.
- The Division shall consider all effluent TRC values reported below 50 µg/L to be in compliance with the permit. However, the Permittee shall continue to record and submit all values reported by a North Carolina certified laboratory (including field certified), even if these values fall below 50 µg/L.
- Process Control [See Section A. (3.)]. Information on Process Control monitoring is included on the form in Appendix A of this permit.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.



**A. (2.) EFFLUENT LIMITS AND MONITORING REQUIREMENTS – 0.0696 MGD**

[15A NCAC 02B .0400 et seq., 02B .0500 et seq.]

Grade II Biological Water Pollution Control System [15A NCAC 08G.0302]

During the period **beginning upon expansion to 0.0696 MGD and lasting until expiration**, the permittee is authorized to discharge treated wastewater from outfall 001. Such discharges shall be limited and monitored<sup>1</sup> by the permittee as specified below:

EFFLUENT CHARACTERISTICS <i>Parameter Code</i>		EFFLUENT LIMITS		MONITORING REQUIREMENTS		
		Monthly Average	Daily Maximum	Measurement Frequency	Sample Type	Sample Location <sup>2</sup>
Flow	50050	0.0696 MGD		Continuous	Recorder	Influent or Effluent
BOD, 5-Day (20 Deg. C)	CO310	30.0 mg/L	45.0 mg/L	2 / Week <sup>3</sup>	Composite	Effluent
Total Suspended Solids	CO530	30.0 mg/L	45.0 mg/L	2 / Week <sup>3</sup>	Composite	Effluent
NH <sub>3</sub> as N	CO610	Monitor and Report (mg/L)		2 / month	Composite	Effluent
Fecal Coliform ( <i>geometric mean</i> )	31616	200/100 ml	400/100 ml	2 / Week <sup>3</sup>	Grab	Effluent
Fecal Coliform ( <i>geometric mean</i> ) <sup>4</sup>	31616	Monitor and Report /100 ml		2 / Week <sup>3</sup>	Grab	Upstream & Downstream
Chlorine, Total Residual <sup>5</sup>	50060		28 µg/L	2 / week	Grab	Effluent
Temperature	00010	Monitor and Report (°C)		Weekly	Grab	Effluent
Total Phosphorus (as P)	CO665	Monitor and Report (mg/L)		Quarterly	Composite	Effluent
Total Nitrogen (as N) (NO <sub>2</sub> +NO <sub>3</sub> +TKN)	CO600	Monitor and Report (mg/L)		Quarterly	Composite	Effluent
pH	00400	Between 6 and 9 standard units		Weekly	Grab	Effluent
Process Control				Monthly <sup>6</sup>		

**Footnotes:**

1. The permittee shall submit discharge monitoring reports electronically using the NC DWR's eDMR system [see A. (5)].
2. Upstream and Downstream monitoring locations will be established by Asheville Regional Office staff.
3. Where events will occur that have the potential to increase flow in the system, BOD, TSS and Fecal Coliform monitoring must occur on days that will best capture the potential effects of those events. If events occur over the weekend, monitoring must occur the following Monday.
4. Following the implementation of actions required as a result of the reviews in the Treatment System Study [Section A. (3)] sampling frequencies and requirements may be reduced upon written request and approval by the Division.
5. The Division shall consider all effluent TRC values reported below 50 µg/L to be in compliance with the permit. However, the Permittee shall continue to record and submit all values reported by a North Carolina certified laboratory (including field certified), even if these values fall below 50 µg/L.
6. Process Control [See Section A. (3)]. Information on Process Control monitoring is included on the form in Appendix A.

THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

**A. (3.) TREATMENT SYSTEM EVALUATION AND COMPLIANCE**  
[G.S. 143-215.3(a)(2)]

The permittee shall evaluate and report on the condition and operation of the wastewater treatment system. Procedures for the evaluation and report shall be provided to staff in the Asheville Regional Office of the Division of Water Resources for their approval within one month of the effective date of this permit. The evaluation and report shall be conducted by appropriate professionals to assess the treatment system and collection system components and the effective operation of the system. The report shall identify potential repairs, upgrades and operational adjustments to achieve ongoing compliance with the permit. The permittee shall provide quarterly reports to the Asheville Regional Office on the status and findings of the evaluation no later than the 10<sup>th</sup> day of the month following the end of the quarter. The permittee shall submit the final report within 12 months of the effective date of this permit and implement report recommendations within 12 months of the submittal of the final report.

Process Control:

As part of this evaluation, the Division requires that the ORC or backup ORC complete a monthly Process Control report and perform all required monitoring associated with the report in consultation with the Asheville Regional Office staff. A Process Control Log for reporting this information is included in Appendix A of the permit. If conditions change, this form may be adjusted with approval by the Division. Upon approval, any changes will become enforceable parts of this permit. Process Control reports shall be submitted to the Asheville Regional Office no later than the 10<sup>th</sup> day of the month following the report month.

**A. (4.) INSTREAM ASSESSMENT AND REOPENER CLAUSE**  
[G.S. 143-215.3(a)(2)]

The Division will utilize instream assessment information for the receiving waters, Jacobs Fork, and any adjacent waters as needed. Assessment information may include both water quality parameters and macroinvertebrates populations. If assessment results indicate existing or potential water quality impacts associated with this facility, the Division may reopen this permit to adjust permit conditions or take other appropriate actions, as necessary, to achieve protection of receiving waters.

**A. (5.) ELECTRONIC REPORTING OF DISCHARGE MONITORING REPORTS**  
[G.S. 143-215.1(b)]

Federal regulations require electronic submittal of all discharge monitoring reports (DMRs) and program reports. The final NPDES Electronic Reporting Rule was adopted and became effective on December 21, 2015.

NOTE: This special condition supplements or supersedes the following sections within Part II of this permit (*Standard Conditions for NPDES Permits*):

- Section B. (11.) Signatory Requirements
- Section D. (2.) Reporting
- Section D. (6.) Records Retention
- Section E. (5.) Monitoring Reports

## 1. Reporting Requirements [Supersedes Section D. (2.) and Section E. (5.) (a)]

The permittee shall report discharge monitoring data electronically using the NC DWR's Electronic Discharge Monitoring Report (eDMR) internet application.

Monitoring results obtained during the previous month(s) shall be summarized for each month and submitted electronically using eDMR. The eDMR system allows permitted facilities to enter monitoring data and submit DMRs electronically using the internet. The eDMR system may be accessed at: <https://deq.nc.gov/about/divisions/water-resources/edmr>.

If a permittee is unable to use the eDMR system due to a demonstrated hardship or due to the facility being physically located in an area where less than 10 percent of the households have broadband access, then a temporary waiver from the NPDES electronic reporting requirements may be granted and discharge monitoring data may be submitted on paper DMR forms (MR 1, 1.1, 2, 3) or alternative forms approved by the Director. Duplicate signed copies shall be submitted to the following address:

NC DEQ / Division of Water Resources / Water Quality Permitting Section  
ATTENTION: Central Files  
1617 Mail Service Center  
Raleigh, North Carolina 27699-1617

See "How to Request a Waiver from Electronic Reporting" section below.

Regardless of the submission method, the first DMR is due on the last day of the month following the issuance of the permit or in the case of a new facility, on the last day of the month following the commencement of discharge.

Starting on **December 21, 2020\***, the permittee must electronically report the following compliance monitoring data and reports, when applicable:

- Sewer Overflow/Bypass Event Reports;
- Pretreatment Program Annual Reports; and
- Clean Water Act (CWA) Section 316(b) Annual Reports.

\* **NPDES Electronic Reporting Rule – Phase 2 Extension.** EPA is proposing to extend the Phase 2 deadline from December 21, 2020 until at least December 21, 2023. The current compliance date will be extended if the implementation date is extended as a final regulation change in the federal register.

The permittee may seek an electronic reporting waiver from the Division (see "How to Request a Waiver from Electronic Reporting" section below).

## 2. Electronic Submissions

In accordance with 40 CFR 122.41(l)(9), the permittee must identify the initial recipient at the time of each electronic submission. The permittee should use the EPA's website resources to identify the initial recipient for the electronic submission.



Initial recipient of electronic NPDES information from NPDES-regulated facilities means the entity (EPA or the state authorized by EPA to implement the NPDES program) that is the designated entity for receiving electronic NPDES data [see 40 CFR 127.2(b)].

EPA plans to establish a website that will also link to the appropriate electronic reporting tool for each type of electronic submission and for each state. Instructions on how to access and use the appropriate electronic reporting tool will be available as well. Information on EPA's NPDES Electronic Reporting Rule is found at:

<https://www.federalregister.gov/documents/2015/10/22/2015-24954/national-pollutant-discharge-elimination-system-npdes-electronic-reporting-rule>

Electronic submissions must start by the dates listed in the "Reporting Requirements" section above.

### 3. **How to Request a Waiver from Electronic Reporting**

The permittee may seek a temporary electronic reporting waiver from the Division. To obtain an electronic reporting waiver, a permittee must first submit an electronic reporting waiver request to the Division. Requests for temporary electronic reporting waivers must be submitted in writing to the Division for written approval at least sixty (60) days prior to the date the facility would be required under this permit to begin submitting monitoring data and reports. The duration of a temporary waiver shall not exceed 5 years and shall thereupon expire. At such time, monitoring data and reports shall be submitted electronically to the Division unless the permittee re-applies for and is granted a new temporary electronic reporting waiver by the Division. Approved electronic reporting waivers are not transferrable. Only permittees with an approved reporting waiver request may submit monitoring data and reports on paper to the Division for the period that the approved reporting waiver request is effective.

Information on eDMR and the application for a temporary electronic reporting waiver are found on the following web page: <http://deq.nc.gov/about/divisions/water-resources/edmr>

### 4. **Signatory Requirements [Supplements Section B. (11.) (b) and Supersedes Section B. (11.) (d)]**

All eDMRs submitted to the permit issuing authority shall be signed by a person described in Part II, Section B. (11.) (a) or by a duly authorized representative of that person as described in Part II, Section B. (11.) (b). A person, and not a position, must be delegated signatory authority for eDMR reporting purposes.

For eDMR submissions, the person signing and submitting the DMR must obtain an eDMR user account and login credentials to access the eDMR system. For more information on North Carolina's eDMR system, registering for eDMR and obtaining an eDMR user account, please visit the following web page:

<http://deq.nc.gov/about/divisions/water-resources/edmr>

Certification. Any person submitting an electronic DMR using the state's eDMR system shall make the following certification [40 CFR 122.22]. NO OTHER STATEMENTS OF CERTIFICATION WILL BE ACCEPTED:

*"I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."*

**5. Records Retention [Supplements Section D. (6.)]**

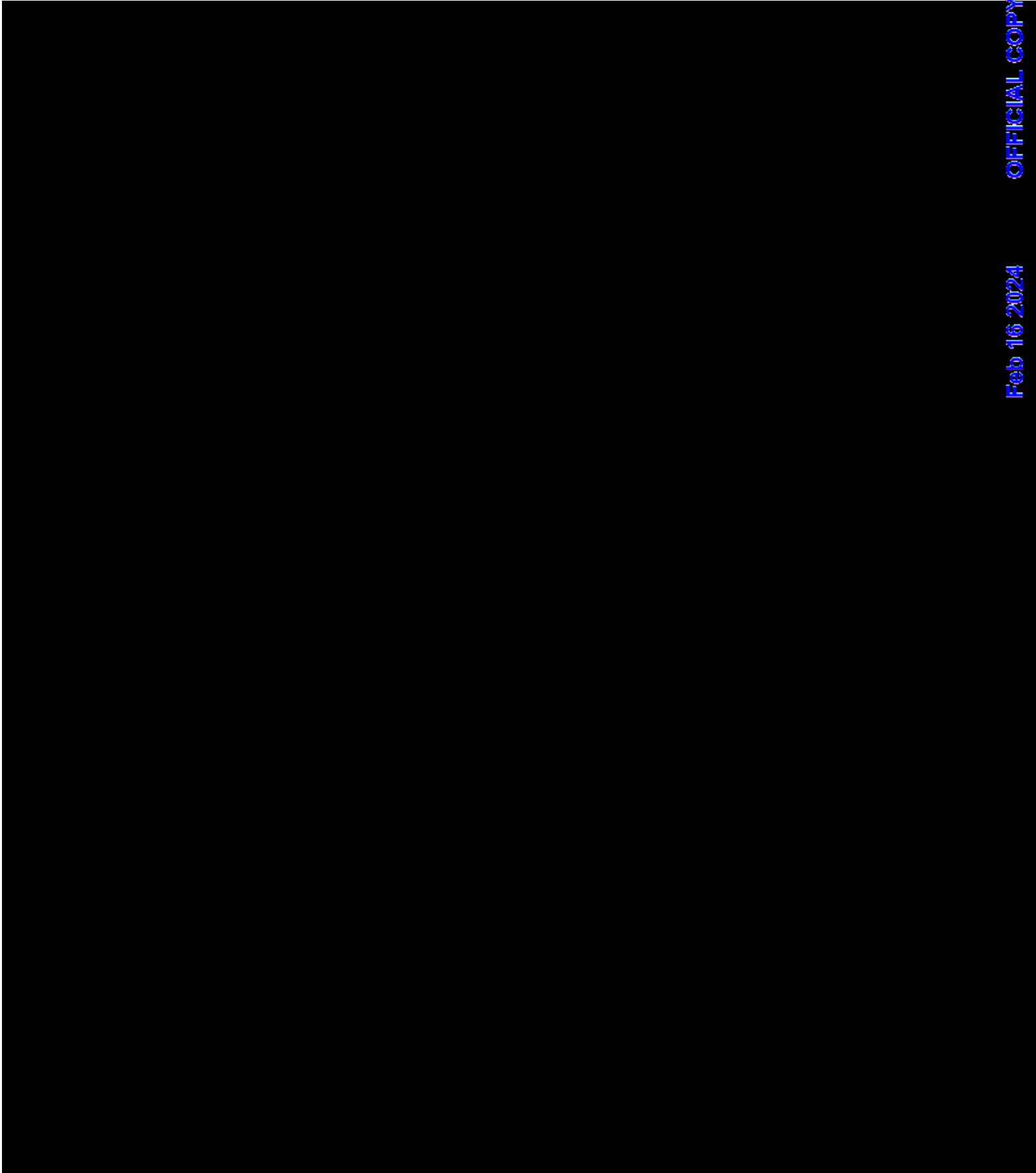
The permittee shall retain records of all Discharge Monitoring Reports, including eDMR submissions. These records or copies shall be maintained for a period of at least 3 years from the date of the report. This period may be extended by request of the Director at any time [40 CFR 122.41].

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## PART II STANDARD CONDITIONS FOR NPDES PERMITS

### Section A. Definitions

#### 2/Month

Samples are collected twice per month with at least ten calendar days between sampling events. These samples shall be representative of the wastewater discharged during the sample period.

#### 3/Week

Samples are collected three times per week on three separate calendar days. These samples shall be representative of the wastewater discharged during the sample period.

#### Act or "the Act"

The Federal Water Pollution Control Act, also known as the Clean Water Act (CWA), as amended, 33 USC 1251, et. seq.

#### Annual Average

The arithmetic mean of all "daily discharges" of a pollutant measured during the calendar year. In the case of fecal coliform, the geometric mean of such discharges.

#### Arithmetic Mean

The summation of the individual values divided by the number of individual values.

#### Bypass

The known diversion of waste streams from any portion of a treatment facility including the collection system, which is not a designed or established or operating mode for the facility.

#### Calendar Day

The period from midnight of one day until midnight of the next day. However, for purposes of this permit, any consecutive 24-hour period that reasonably represents the calendar day may be used for sampling.

#### Calendar Week

The period from Sunday through the following Saturday.

#### Calendar Quarter

One of the following distinct periods: January through March, April through June, July through September, and October through December.

#### Composite Sample

A sample collected over a 24-hour period by continuous sampling or combining grab samples of at least 100 mL in such a manner as to result in a total sample representative of the wastewater discharge during the sample period. The Director may designate the most appropriate method (specific number and size of aliquots necessary, the time interval between grab samples, etc.) on a case-by-case basis. Samples may be collected manually or automatically. Composite samples may be obtained by the following methods:

- (1) Continuous: a single, continuous sample collected over a 24-hour period proportional to the rate of flow.
- (2) Constant time/variable volume: a series of grab samples collected at equal time intervals over a 24 hour period of discharge and combined proportional to the rate of flow measured at the time of individual sample collection, or
- (3) Variable time/constant volume: a series of grab samples of equal volume collected over a 24 hour period with the time intervals between samples determined by a preset number of gallons passing the sampling point. Flow measurement between sample intervals shall be determined by use of a flow recorder and totalizer, and the preset gallon interval between sample collection fixed at no greater than 1/24 of the expected total daily flow at the treatment system, or

- (4) Constant time/constant volume: a series of grab samples of equal volume collected over a 24-hour period at a constant time interval. Use of this method requires prior approval by the Director. This method may only be used in situations where effluent flow rates vary less than 15 percent. The following restrictions also apply:
- Influent and effluent grab samples shall be of equal size and of no less than 100 milliliters
  - Influent samples shall not be collected more than once per hour.
  - Permittees with wastewater treatment systems whose detention time < 24 hours shall collect effluent grab samples at intervals of no greater than 20 minutes apart during any 24-hour period.
  - Permittees with wastewater treatment systems whose detention time exceeds 24 hours shall collect effluent grab samples at least every six hours; there must be a minimum of four samples during a 24-hour sampling period.

#### Continuous flow measurement

Flow monitoring that occurs without interruption throughout the operating hours of the facility. Flow shall be monitored continually except for the infrequent times when there may be no flow or for infrequent maintenance activities on the flow device.

#### Daily Discharge

The discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants measured in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants expressed in other units of measurement, the "daily discharge" is calculated as the average measurement of the pollutant over the day. (40 CFR 122.2; see also "Composite Sample," above.)

#### Daily Maximum

The highest "daily discharge" during the calendar month.

#### Daily Sampling

Parameters requiring daily sampling shall be sampled 5 out of every 7 days per week unless otherwise specified in the permit. Sampling shall be conducted on weekdays except where holidays or other disruptions of normal operations prevent weekday sampling. If sampling is required for all seven days of the week for any permit parameter(s), that requirement will be so noted on the Effluent Limitations and Monitoring Page(s).

#### DWR or "the Division"

The Division of Water Resources, Department of Environmental Quality.

#### Effluent

Wastewater discharged following all treatment processes from a water pollution control facility or other point source whether treated or untreated.

#### EMC

The North Carolina Environmental Management Commission

#### EPA

The United States Environmental Protection Agency

#### Facility Closure

Cessation of all activities that require coverage under this NPDES permit. Completion of facility closure will allow this permit to be rescinded.

#### Geometric Mean

The Nth root of the product of the individual values where N = the number of individual values. For purposes of calculating the geometric mean, values of "0" (or "< [detection level]") shall be considered = 1.

#### Grab Sample

Individual samples of at least 100 mL collected over a period of time not exceeding 15 minutes. Grab samples can be collected manually. Grab samples must be representative of the discharge (or the receiving stream, for instream samples).



Hazardous Substance

Any substance designated under 40 CFR Part 116 pursuant to Section 311 of the CWA.

Instantaneous flow measurement

The flow measured during the minimum time required for the flow measuring device or method to produce a result in that instance. To the extent practical, instantaneous flow measurements coincide with the collection of any grab samples required for the same sampling period so that together the samples and flow are representative of the discharge during that sampling period.

Monthly Average (concentration limit)

The arithmetic mean of all "daily discharges" of a pollutant measured during the calendar month. In the case of fecal coliform or other bacterial parameters or indicators, the geometric mean of such discharges.

Permit Issuing Authority

The Director of the Division of Water Resources.

Quarterly Average (concentration limit)

The arithmetic mean of all samples taken over a calendar quarter.

Severe property damage

Substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage excludes economic loss caused by delays in production.

Toxic Pollutant:

Any pollutant listed as toxic under Section 307(a)(1) of the CWA.

Upset

An incident beyond the reasonable control of the Permittee causing unintentional and temporary noncompliance with permit effluent limitations and/or monitoring requirements. An upset does not include noncompliance caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

Weekly Average (concentration limit)

The arithmetic mean of all "daily discharges" of a pollutant measured during the calendar week. In the case of fecal coliform or other bacterial parameters or indicators, the geometric mean of such discharges.

**Section B. General Conditions****1. Duty to Comply**

The Permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the CWA and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit renewal application [40 CFR 122.41].

- a. The Permittee shall comply with effluent standards or prohibitions established under section 307(a) of the CWA for toxic pollutants and with standards for sewage sludge use or disposal established under section 405(d) of the CWA within the time provided in the regulations that establish these standards or prohibitions or standards for sewage sludge use or disposal, even if the permit has not yet been modified to incorporate the requirement.
- b. The CWA provides that any person who violates section[s] 301, 302, 306, 307, 308, 318 or 405 of the Act, or any permit condition or limitation implementing any such sections in a permit issued under section 402, or any requirement imposed in a pretreatment program approved under sections 402(a)(3) or 402(b)(8) of the Act, is subject to a civil penalty not to exceed \$37,500 per day for each violation. [33 USC 1319(d) and 40 CFR 122.41(a)(2)]
- c. The CWA provides that any person who negligently violates sections 301, 302, 306, 307, 308, 318, or 405 of the Act, or any condition or limitation implementing any of such sections in a permit issued under section 402 of the Act, or any requirement imposed in a pretreatment program approved under section 402(a)(3) or 402(b)(8) of the Act, is subject to criminal penalties of \$2,500 to \$25,000 per day of violation, or

imprisonment of not more than 1 year, or both. In the case of a second or subsequent conviction for a negligent violation, a person shall be subject to criminal penalties of not more than \$50,000 per day of violation, or by imprisonment of not more than 2 years, or both. [33 USC 1319(c)(1) and 40 CFR 122.41(a)(2)]

- d. Any person who knowingly violates such sections, or such conditions or limitations is subject to criminal penalties of \$5,000 to \$50,000 per day of violation, or imprisonment for not more than 3 years, or both. In the case of a second or subsequent conviction for a knowing violation, a person shall be subject to criminal penalties of not more than \$100,000 per day of violation, or imprisonment of not more than 6 years, or both. [33 USC 1319(c)(2) and 40 CFR 122.41(a)(2)]
  - e. Any person who *knowingly* violates section 301, 302, 303, 306, 307, 308, 318 or 405 of the Act, or any permit condition or limitation implementing any of such sections in a permit issued under section 402 of the Act, and who knows at that time that he thereby places another person in imminent danger of death or serious bodily injury, shall, upon conviction, be subject to a fine of not more than \$250,000 or imprisonment of not more than 15 years, or both. In the case of a second or subsequent conviction for a knowing endangerment violation, a person shall be subject to a fine of not more than \$500,000 or by imprisonment of not more than 30 years, or both. An organization, as defined in section 309(c)(3)(B)(iii) of the CWA, shall, upon conviction of violating the imminent danger provision, be subject to a fine of not more than \$1,000,000 and can be fined up to \$2,000,000 for second or subsequent convictions. [40 CFR 122.41(a)(2)]
  - f. Under state law, a civil penalty of not more than \$25,000 per violation may be assessed against any person who violates or fails to act in accordance with the terms, conditions, or requirements of a permit. [North Carolina General Statutes § 143-215.6A]
  - g. Any person may be assessed an administrative penalty by the Administrator for violating section 301, 302, 306, 307, 308, 318 or 405 of this Act, or any permit condition or limitation implementing any of such sections in a permit issued under section 402 of this Act. Administrative penalties for Class I violations are not to exceed \$16,000 per violation, with the maximum amount of any Class I penalty assessed not to exceed \$37,500. Penalties for Class II violations are not to exceed \$16,000 per day for each day during which the violation continues, with the maximum amount of any Class II penalty not to exceed \$177,500. [33 USC 1319(g)(2) and 40 CFR 122.41(a)(3)]
2. Duty to Mitigate  
The Permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit with a reasonable likelihood of adversely affecting human health or the environment [40 CFR 122.41(d)].
  3. Civil and Criminal Liability  
Except as provided in permit conditions on "Bypassing" (Part II.C.4), "Upsets" (Part II.C.5) and "Power Failures" (Part II.C.7), nothing in this permit shall be construed to relieve the Permittee from any responsibilities, liabilities, or penalties for noncompliance pursuant to NCGS 143-215.3, 143-215.6 or Section 309 of the Federal Act, 33 USC 1319. Furthermore, the Permittee is responsible for consequential damages, such as fish kills, even though the responsibility for effective compliance may be temporarily suspended.
  4. Oil and Hazardous Substance Liability  
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the Permittee from any responsibilities, liabilities, or penalties to which the Permittee is or may be subject to under NCGS 143-215.75 et seq. or Section 311 of the Federal Act, 33 USG 1321. Furthermore, the Permittee is responsible for consequential damages, such as fish kills, even though the responsibility for effective compliance may be temporarily suspended.
  5. Property Rights  
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations [40 CFR 122.41(g)].
  6. Onshore or Offshore Construction  
This permit does not authorize or approve the construction of any onshore or offshore physical structures or facilities or the undertaking of any work in any navigable waters.



7. Severability

The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstances, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby [NCGS 150B-23].

8. Duty to Provide Information

The Permittee shall furnish to the Permit Issuing Authority, within a reasonable time, any information which the Permit Issuing Authority may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. The Permittee shall also furnish to the Permit Issuing Authority upon request, copies of records required by this permit [40 CFR 122.41(h)].

9. Duty to Reapply

If the Permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the Permittee must apply for and obtain a new permit [40 CFR 122.41(b)].

10. Expiration of Permit

The Permittee is not authorized to discharge after the expiration date. In order to receive automatic authorization to discharge beyond the expiration date, the Permittee shall submit such information, forms, and fees as are required by the agency authorized to issue permits no later than 180 days prior to the expiration date unless permission for a later date has been granted by the Director. (The Director shall not grant permission for applications to be submitted later than the expiration date of the existing permit.) [40 CFR 122.21(d)] Any Permittee that has not requested renewal at least 180 days prior to expiration, or any Permittee that does not have a permit after the expiration and has not requested renewal at least 180 days prior to expiration, will subject the Permittee to enforcement procedures as provided in NCGS 143-215.6 and 33 USC 1251 et. seq.

11. Signatory Requirements

All applications, reports, or information submitted to the Permit Issuing Authority shall be signed and certified [40 CFR 122.41(k)].

a. All permit applications shall be signed as follows:

- (1) For a corporation: by a responsible corporate officer. For the purpose of this Section, a responsible corporate officer means: (a) a president, secretary, treasurer or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation, or (b) the manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures .
- (2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
- (3) For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official [40 CFR 122.22].

b. All reports required by the permit and other information requested by the Permit Issuing Authority shall be signed by a person described in paragraph a. above or by a duly authorized representative of that person. A person is a duly authorized representative only if:

- (1) The authorization is made in writing by a person described above;
- (2) The authorization specified either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or well field, superintendent, a position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.); and
- (3) The written authorization is submitted to the Permit Issuing Authority [40 CFR 122.22]

- c. Changes to authorization: If an authorization under paragraph (b) of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of paragraph (b) of this section must be submitted to the Director prior to or together with any reports, information, or applications to be signed by an authorized representative [40 CFR 122.22]
- d. Certification. Any person signing a document under paragraphs a. or b. of this section shall make the following certification [40 CFR 122.22]. NO OTHER STATEMENTS OF CERTIFICATION WILL BE ACCEPTED:  
*"I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."*

#### 12. Permit Actions

This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition [40 CFR 122.41(f)].

#### 13. Permit Modification, Revocation and Reissuance, or Termination

The issuance of this permit does not prohibit the permit issuing authority from reopening and modifying the permit, revoking and reissuing the permit, or terminating the permit as allowed by the laws, rules, and regulations contained in Title 40, Code of Federal Regulations, Parts 122 and 123; Title 15A of the North Carolina Administrative Code, Subchapter 02H .0100; and North Carolina General Statute 143.215.1 et. al.

#### 14. Annual Administering and Compliance Monitoring Fee Requirements

The Permittee must pay the annual administering and compliance monitoring fee within thirty days after being billed by the Division. Failure to pay the fee in a timely manner in accordance with 15A NCAC 02H .0105(b)(2) may cause this Division to initiate action to revoke the permit.

### **Section C. Operation and Maintenance of Pollution Controls**

#### 1. Certified Operator

Owners of classified water pollution control systems must designate operators, certified by the Water Pollution Control System Operators Certification Commission (WPCSOCC), of the appropriate type and grade for the system, and, for each classification must [15A NCAC 08G .0201]:

- a. designate one Operator In Responsible Charge (ORC) who possesses a valid certificate of the type and grade at least equivalent to the type and grade of the system;
- b. designate one or more Back-up Operator(s) in Responsible Charge (Back-up ORCs) who possesses a valid certificate of the type of the system and no more than one grade less than the grade of the system, with the exception of no backup operator in responsible charge is required for systems whose minimum visitation requirements are twice per year; and
- c. submit a signed completed "Water Pollution Control System Operator Designation Form" to the Commission (or to the local health department for owners of subsurface systems) countersigned by the designated certified operators, designating the Operator in Responsible Charge (ORC) and the Back-up Operator in Responsible Charge (Back-up ORC):
  - (1) 60 calendar days prior to wastewater or residuals being introduced into a new system; or
  - (2) within 120 calendar days following:
    - receiving notification of a change in the classification of the system requiring the designation of a new Operator in Responsible Charge (ORC) and Back-up Operator in Responsible Charge (Back-up ORC) of the proper type and grade; or
    - a vacancy in the position of Operator in Responsible Charge (ORC) or Back-up Operator in Responsible Charge (Back-up ORC).



- (3) within seven calendar days of vacancies in both ORC and Back-up ORC positions replacing or designating at least one of the responsibilities.

The ORC of each Class I facility (or the Back-up ORC, when acting as surrogate for the ORC) must:

- Visit the facility as often as is necessary to insure proper operation of the treatment system; the treatment facility must be visited at least weekly
- Comply with all other conditions of 15A NCAC 08G .0204.

The ORC of each Class II, III and IV facility (or the Back-up ORC, when acting as surrogate for the ORC) must:

- Visit the facility as often as is necessary to insure proper operation of the treatment system; the treatment facility must be visited at least five days per week, excluding holidays
- Properly manage and document daily operation and maintenance of the facility
- Comply with all other conditions of 15A NCAC 08G .0204.

2. Proper Operation and Maintenance

The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the Permittee to install and operate backup or auxiliary facilities only when necessary to achieve compliance with the conditions of the permit [40 CFR 122.41(e)].

NOTE: Properly and officially designated operators are fully responsible for all proper operation and maintenance of the facility, and all documentation required thereof, whether acting as a contract operator [subcontractor] or a member of the Permittee's staff.

3. Need to Halt or Reduce not a Defense

It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the condition of this permit [40 CFR 122.41(c)].

4. Bypassing of Treatment Facilities

a. Bypass not exceeding limitations [40 CFR 122.41(m)(2)]

The Permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Paragraphs b. and c. of this section.

b. Notice [40 CFR 122.41(m)(3)]

- (1) Anticipated bypass. If the Permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass; including an evaluation of the anticipated quality and effect of the bypass.
- (2) Unanticipated bypass. The Permittee shall submit notice of an unanticipated bypass as required in Part II.E.6. (24-hour notice).

c. Prohibition of Bypass

- (1) Bypass from the treatment facility is prohibited and the Permit Issuing Authority may take enforcement action against a Permittee for bypass, unless:
  - (A) Bypass was unavoidable to prevent loss of life, personal injury or severe property damage;
  - (B) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
  - (C) The Permittee submitted notices as required under Paragraph b. of this section.
- (2) Bypass from the collection system is prohibited and the Permit Issuing Authority may take enforcement action against a Permittee for a bypass as provided in any current or future system-wide collection system permit associated with the treatment facility.

- (3) The Permit Issuing Authority may approve an anticipated bypass, after considering its adverse effects, if the Permit Issuing Authority determines that it will meet the three conditions listed above in Paragraph c. (1) of this section.

5. Upsets

- a. Effect of an upset [40 CFR 122.41(n)(2)]: An upset constitutes an affirmative defense to an action brought for noncompliance with such technology based permit effluent limitations if the requirements of paragraph b. of this condition are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.
- b. Conditions necessary for a demonstration of upset: Any Permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
- (1) An upset occurred and that the Permittee can identify the cause(s) of the upset;
  - (2) The Permittee facility was at the time being properly operated; and
  - (3) The Permittee submitted notice of the upset as required in Part II.E.6.(b) of this permit.
  - (4) The Permittee complied with any remedial measures required under Part II.B.2. of this permit.
- c. Burden of proof [40 CFR 122.41(n)(4)]: The Permittee seeking to establish the occurrence of an upset has the burden of proof in any enforcement proceeding.

6. Removed Substances

Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters shall be utilized/disposed of in accordance with NCGS 143-215.1 and in a manner such as to prevent any pollutant from such materials from entering waters of the State or navigable waters of the United States except as permitted by the Commission. The Permittee shall comply with all applicable state and Federal regulations governing the disposal of sewage sludge, including 40 CFR 503, Standards for the Use and Disposal of Sewage Sludge; 40 CFR Part 258, Criteria For Municipal Solid Waste Landfills; and 15A NCAC Subchapter 2T, Waste Not Discharged To Surface Waters. The Permittee shall notify the Permit Issuing Authority of any significant change in its sludge use or disposal practices.

7. Power Failures

The Permittee is responsible for maintaining adequate safeguards (as required by 15A NCAC 02H .0124) to prevent the discharge of untreated or inadequately treated wastes during electrical power failures either by means of alternate power sources, standby generators or retention of inadequately treated effluent.

**Section D. Monitoring and Records**

1. Representative Sampling

Samples collected and measurements taken, as required herein, shall be representative of the permitted discharge. Samples collected at a frequency less than daily shall be taken on a day and time that is representative of the discharge for the period the sample represents. All samples shall be taken at the monitoring points specified in this permit and, unless otherwise specified, before the effluent joins or is diluted by any other wastestream, body of water, or substance. Monitoring points shall not be changed without notification to and the approval of the Permit Issuing Authority [40 CFR 122.41(j)].

2. Reporting

Monitoring results obtained during the previous month(s) shall be summarized for each month and reported on a monthly Discharge Monitoring Report (DMR) Form (MR 1, 1.1, 2, 3) or alternative forms approved by the Director, postmarked no later than the last calendar day of the month following the completed reporting period.

The first DMR is due on the last day of the month following the issuance of the permit or in the case of a new facility, on the last day of the month following the commencement of discharge. Duplicate signed copies of these, and all other reports required herein, shall be submitted to the following address:



NC DEQ / Division of Water Resources / Water Quality Permitting Section  
ATTENTION: Central Files  
1617 Mail Service Center  
Raleigh, North Carolina 27699-1617

3. Flow Measurements

Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the volume of monitored discharges. The devices shall be installed, calibrated and maintained to ensure that the accuracy of the measurements is consistent with the accepted capability of that type of device. Devices selected shall be capable of measuring flows with a maximum deviation of less than 10% from the true discharge rates throughout the range of expected discharge volumes. Flow measurement devices shall be accurately calibrated at a minimum of once per year and maintained to ensure that the accuracy of the measurements is consistent with the accepted capability of that type of device. The Director shall approve the flow measurement device and monitoring location prior to installation.

Once-through condenser cooling water flow monitored by pump logs, or pump hour meters as specified in Part I of this permit and based on the manufacturer's pump curves shall not be subject to this requirement.

4. Test Procedures

Laboratories used for sample analysis must be certified by the Division. Permittees should contact the Division's Laboratory Certification Section (919 733-3908) or visit <https://deq.nc.gov/about/divisions/water-resources/water-resources-data/water-sciences-home-page/laboratory-certification-branch> for information regarding laboratory certifications.

Facilities whose personnel are conducting testing of field-certified parameters only must hold the appropriate field parameter laboratory certifications.

Test procedures for the analysis of pollutants shall conform to the EMC regulations (published pursuant to NCGS 143-215.63 et. seq.), the Water and Air Quality Reporting Acts, and to regulations published pursuant to Section 304(g), 33 USC 1314, of the CWA (as amended), and 40 CFR 136; or in the case of sludge use or disposal, approved under 40 CFR 136, unless otherwise specified in 40 CFR 503, unless other test procedures have been specified in this permit [40 CFR 122.41].

To meet the intent of the monitoring required by this permit, all test procedures must produce minimum detection and reporting levels that are below the permit discharge requirements and all data generated must be reported down to the minimum detection or lower reporting level of the procedure. If no approved methods are determined capable of achieving minimum detection and reporting levels below permit discharge requirements, then the most sensitive (method with the lowest possible detection and reporting level) approved method must be used.

5. Penalties for Tampering

The CWA provides that any person who falsifies, tampers with, or knowingly renders inaccurate, any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than two years per violation, or by both. If a conviction of a person is for a violation committed after a first conviction of such person under this paragraph, punishment is a fine of not more than \$20,000 per day of violation, or by imprisonment of not more than 4 years, or both [40 CFR 122.41].

6. Records Retention

Except for records of monitoring information required by this permit related to the Permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five years (or longer as required by 40 CFR 503), the Permittee shall retain records of all monitoring information, including:

- all calibration and maintenance records
- all original strip chart recordings for continuous monitoring instrumentation
- copies of all reports required by this permit
- copies of all data used to complete the application for this permit

These records or copies shall be maintained for a period of at least 3 years from the date of the sample, measurement, report or application. This period may be extended by request of the Director at any time [40 CFR 122.41].

7. Recording Results

For each measurement or sample taken pursuant to the requirements of this permit, the Permittee shall record the following information [40 CFR 122.41]:

- a. The date, exact place, and time of sampling or measurements;
- b. The individual(s) who performed the sampling or measurements;
- c. The date(s) analyses were performed;
- d. The individual(s) who performed the analyses;
- e. The analytical techniques or methods used; and
- f. The results of such analyses.

8. Inspection and Entry

The Permittee shall allow the Director, or an authorized representative (including an authorized contractor acting as a representative of the Director), upon the presentation of credentials and other documents as may be required by law, to;

- a. Enter, at reasonable times, upon the Permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
- d. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the CWA, any substances or parameters at any location [40 CFR 122.41(i)].

**Section E Reporting Requirements**

1. Change in Discharge

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit.

2. Planned Changes

The Permittee shall give notice to the Director as soon as possible of any planned physical alterations or additions to the permitted facility [40 CFR 122.41(l)]. Notice is required only when:

- a. The alteration or addition to a permitted facility may meet one of the criteria for new sources at 40 CFR 122.29(b); or
- b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants subject neither to effluent limitations in the permit, nor to notification requirements under 40 CFR 122.42(a)(1); or
- c. The alteration or addition results in a significant change in the Permittee's sludge use or disposal practices, and such alteration, addition or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.

3. Anticipated Noncompliance

The Permittee shall give advance notice to the Director of any planned changes to the permitted facility or other activities that might result in noncompliance with the permit [40 CFR 122.41(l)(2)].

4. Transfers

This permit is not transferable to any person without prior written notice to and approval from the Director in accordance with 40 CFR 122.61. The Director may condition approval in accordance with NCGS 143-215.1, in



particular NCGS 143-215.1(b)(4)b.2., and may require modification or revocation and reissuance of the permit, or a minor modification, to identify the new permittee and incorporate such other requirements as may be necessary under the CWA [40 CFR 122.41(l)(3), 122.61] or state statute.

5. Monitoring Reports

Monitoring results shall be reported at the intervals specified elsewhere in this permit [40 CFR 122.41(l)(4)].

- a. Monitoring results must be reported on a Discharge Monitoring Report (DMR) (See Part II.D.2) or forms provided by the Director for reporting results of monitoring of sludge use or disposal practices.
- b. If the Permittee monitors any pollutant more frequently than required by this permit using test procedures approved under 40 CFR Part 136 and at a sampling location specified in this permit or other appropriate instrument governing the discharge, the results of such monitoring shall be included in the calculation and reporting of the data submitted on the DMR.

6. Twenty-four Hour Reporting

- a. The Permittee shall report to the Director or the appropriate Regional Office any noncompliance that potentially threatens public health or the environment. Any information shall be provided orally within 24 hours from the time the Permittee became aware of the circumstances. A written submission shall also be provided within 5 days of the time the Permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance, and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance [40 CFR 122.41(l)(6)].
- b. The Director may waive the written report on a case-by-case basis for reports under this section if the oral report has been received within 24 hours.
- c. Occurrences outside normal business hours may also be reported to the Division's Emergency Response personnel at (800) 858-0368 or (919) 733-3300.

7. Other Noncompliance

The Permittee shall report all instances of noncompliance not reported under Part II.E.5 and 6. of this permit at the time monitoring reports are submitted. The reports shall contain the information listed in Part II.E.6. of this permit [40 CFR 122.41(l)(7)].

8. Other Information

Where the Permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Director, it shall promptly submit such facts or information [40 CFR 122.41(l)(8)].

9. Noncompliance Notification

The Permittee shall report by telephone to either the central office or the appropriate regional office of the Division as soon as possible, but in no case more than 24 hours or on the next working day following the occurrence or first knowledge of the occurrence of any of the following:

- a. Any occurrence at the water pollution control facility which results in the discharge of significant amounts of wastes which are abnormal in quantity or characteristic, such as the dumping of the contents of a sludge digester; the known passage of a slug of hazardous substance through the facility; or any other unusual circumstances.
- b. Any process unit failure, due to known or unknown reasons, that render the facility incapable of adequate wastewater treatment such as mechanical or electrical failures of pumps, aerators, compressors, etc.
- c. Any failure of a pumping station, sewer line, or treatment facility resulting in a by-pass without treatment of all or any portion of the influent to such station or facility.

Persons reporting such occurrences by telephone shall also file a written report within 5 days following first knowledge of the occurrence. Also see reporting requirements for municipalities in Part IV.C.2.c. of this permit.

10. Availability of Reports

Except for data determined to be confidential under NCGS 143-215.3 (a)(2) or Section 308 of the Federal Act, 33 USC 1318, all reports prepared in accordance with the terms shall be available for public inspection at the offices

of the Division. As required by the Act, effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in NCGS 143-215.1(b)(2) or in Section 309 of the Federal Act.

11. Penalties for Falsification of Reports

The CWA provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than \$25,000 per violation, or by imprisonment for not more than two years per violation, or by both [40 CFR 122.41].

12. Annual Performance Reports

Permittees who own or operate facilities that primarily collect or treat municipal or domestic wastewater and have an average annual flow greater than 200,000 gallons per day shall provide an annual report to the Permit Issuing Authority and to the users/customers served by the Permittee (NCGS 143-215.1C). The report shall summarize the performance of the collection or treatment system, as well as the extent to which the facility was compliant with applicable Federal or State laws, regulations and rules pertaining to water quality. The report shall be provided no later than sixty days after the end of the calendar or fiscal year, depending upon which annual period is used for evaluation.

The report shall be sent to:

NC DEQ / Division of Water Resources / Water Quality Permitting Section  
ATTENTION: Central Files  
1617 Mail Service Center  
Raleigh, North Carolina 27699-1617

OFFICIAL COPY

Feb 16 2024

### PART III OTHER REQUIREMENTS

#### **Section A. Construction**

- a. The Permittee shall not commence construction of wastewater treatment facilities, nor add to the plant's treatment capacity, nor change the treatment process(es) utilized at the treatment plant unless (1) the Division has issued an Authorization to Construct (AtC) permit or (2) the Permittee is exempted from such AtC permit requirements under Item b. of this Section.
- b. In accordance with NCGS 143-215.1(a5) [SL 2011-394], no permit shall be required to enter into a contract for the construction, installation, or alteration of any treatment work or disposal system or to construct, install, or alter any treatment works or disposal system within the State when the system's or work's principle function is to conduct, treat, equalize, neutralize, stabilize, recycle, or dispose of industrial waste or sewage from an industrial facility and the discharge of the industrial waste or sewage is authorized under a permit issued for the discharge of the industrial waste or sewage into the waters of the State. Notwithstanding the above, the permit issued for the discharge may be modified if required by federal regulation.
- c. Issuance of an AtC will not occur until Final Plans and Specifications for the proposed construction have been submitted by the Permittee and approved by the Division.

#### **Section B. Groundwater Monitoring**

The Permittee shall, upon written notice from the Director, conduct groundwater monitoring as may be required to determine the compliance of this NPDES permitted facility with the current groundwater standards.

#### **Section C. Changes in Discharges of Toxic Substances**

The Permittee shall notify the Permit Issuing Authority as soon as it knows or has reason to believe (40 CFR 122.42):

- a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels";
  - (1) One hundred micrograms per liter (100 µg/L);
  - (2) Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
  - (3) Five times the maximum concentration value reported for that pollutant in the permit application.
- b. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels";
  - (1) Five hundred micrograms per liter (500 µg/L);
  - (2) One milligram per liter (1 mg/L) for antimony;
  - (3) Ten times the maximum concentration value reported for that pollutant in the permit application.

#### **Section D. Facility Closure Requirements**

The Permittee must notify the Division at least 90 days prior to the closure of any wastewater treatment system covered by this permit. The Division may require specific measures during deactivation of the system to prevent adverse impacts to waters of the State. This permit cannot be rescinded while any activities requiring this permit continue at the permitted facility.



## PART IV SPECIAL CONDITIONS FOR MUNICIPAL FACILITIES

### Section A. Definitions

In addition to the definitions in Part II of this permit, the following definitions apply to municipal facilities:

#### Indirect Discharge or Industrial User

Any non-domestic source that discharges wastewater containing pollutants into a POTW regulated under section 307(b), (c) or (d) of the CWA. [40 CFR 403.3 (i) and (j) and 15A NCAC 02H .0903(b)(11)]

#### Interference

Inhibition or disruption of the POTW treatment processes; operations; or its sludge process, use, or disposal which causes or contributes to a violation of any requirement of the Permittee's (or any satellite POTW's if different from the Permittee) NPDES, collection system, or non-discharge permit or prevents sewage sludge use or disposal in compliance with specified applicable State and Federal statutes, regulations, or permits. [15A NCAC 02H .0903(b)(14)]

#### Pass Through

A discharge which exits the POTW into waters of the State in quantities or concentrations which, alone or with discharges from other sources, causes a violation, including an increase in the magnitude or duration of a violation, of the Permittee's (or any satellite POTW's, if different from the Permittee) NPDES, collection system, or non-discharge permit. [15A NCAC 02H .0903(b)(23)]

#### Publicly Owned Treatment Works (POTW)

A treatment works as defined by Section 212 of the CWA, which is owned by a State or local government organization. This definition includes any devices and systems used in the storage, treatment, recycling and reclamation of municipal sewage or industrial wastes of a liquid nature. It also includes the collection system, as defined in 15A NCAC 2T .0402, only if it conveys wastewater to a POTW treatment plant. The term also means the local government organization, or municipality, as defined in section 502(4) of the CWA, which has jurisdiction over indirect discharges to and the discharges from such a treatment works. In this context, the organization may be the owner of the POTW treatment plant or the owner of the collection system into which an indirect discharger discharges. This second type of POTW may be referred to as a "satellite POTW organization." [15A NCAC 02H .0903(b)(26)]

#### "Significant Industrial User" or "SIU"

An Industrial User that discharges wastewater into a publicly owned treatment works and that [15A NCAC 02H .0903(b)(33)]:

1. Discharges an average of 25,000 gallons per day or more of process wastewater to the POTW (excluding sanitary, noncontact cooling and boiler blowdown wastewaters); or
2. Contributes process wastewater which makes up five percent or more of the NPDES or non-discharge permitted flow limit or organic capacity of the POTW treatment plant. In this context, organic capacity refers to BOD, TSS and ammonia; or
3. Is subject to categorical standards under 40 CFR Part 403.6 and 40 CFR Parts 405-471; or
4. Is designated as such by the Permittee on the basis that the Industrial User has a reasonable potential for adversely affecting the POTW's operation or for violating any pretreatment standard or requirement, or the POTW's effluent limitations and conditions in its NPDES or non-discharge permit, or to limit the POTW's sludge disposal options;
5. Subject to approval under 15A NCAC 02H .0907(b), the Permittee may determine that an Industrial User meeting the criteria in paragraphs 1 or 2 of this definition above has no reasonable potential for adversely affecting the POTW's operation or for violating any pretreatment standard or requirement, the POTW's effluent limitations and conditions in its NPDES or non-discharge permit, or to limit the POTW's sludge disposal options, and thus is not a Significant Industrial User (SIU); or
6. Subject to approval under 15A NCAC 02H .0907(b), the Permittee may determine that an Industrial User meeting the criteria in paragraph 3 of this definition above meets the requirements of 40 CFR Part 403.3(v)(2) and thus is a non-significant categorical Industrial User.

### Section B. Publicly Owned Treatment Works (POTWs)



All POTWs must provide adequate notice to the Director of the following [40 CFR 122.42(b)]:

1. Any new introduction of pollutants into the POTW from an indirect discharger, regardless of the means of transport, which would be subject to section 301 or 306 of CWA if it were directly discharging those pollutants; and
2. Any substantial change in the volume or character of pollutants being introduced by an indirect discharger as influent to that POTW at the time of issuance of the permit.
3. For purposes of this paragraph, adequate notice shall include information on (1) the quality and quantity of effluent introduced into the POTW, and (2) any anticipated impact that may result from the change of the quantity or quality of effluent to be discharged from the POTW.

**Section C. Municipal Control of Pollutants from Industrial Users.**

1. Effluent limitations are listed in Part I of this permit. Other pollutants attributable to inputs from Industrial Users discharging to the POTW may be present in the Permittee's discharge. At such time as sufficient information becomes available to establish limitations for such pollutants, this permit may be revised to specify effluent limitations for any or all of such other pollutants in accordance with best practicable technology or water quality standards.
2. Prohibited Discharges
  - a. The Permittee shall develop and enforce their Pretreatment Program to implement the prohibition against the introduction of pollutants or discharges into the waste treatment system or waste collection system which cause or contribute to Pass Through or Interference as defined in 15A NCAC 02H .0900 and 40 CFR 403. [40 CFR 403.5(a)(1)]
  - b. The Permittee shall develop and enforce their Pretreatment Program to implement the prohibitions against the introduction of the following wastes in the waste treatment or waste collection system [40 CFR 403.5(b)]:
    - (1) Pollutants which create a fire or explosion hazard in the POTW, including, but not limited to, wastestreams with a closed cup flashpoint of less than 140 degrees Fahrenheit or 60 degrees Centigrade using the test methods specified in 40 CFR 261.21;
    - (2) Pollutants which cause corrosive structural damage to the POTW, but in no case discharges with pH lower than 5.0, unless the works is specifically designed to accommodate such discharges;
    - (3) Solid or viscous pollutants in amounts which cause obstruction to the flow in the POTW resulting in Interference;
    - (4) Any pollutant, including oxygen demanding pollutants (BOD, etc.) released in a Discharge at a flow rate and/or pollutant concentration which will cause Interference with the POTW;
    - (5) Heat in amounts which will inhibit biological activity in the POTW resulting in Interference, but in no case heat in such quantities that the temperature at the POTW Treatment Plant exceeds 40°C (104°F) unless the Division, upon request of the POTW, approves alternate temperature limits;
    - (6) Petroleum oil, non-biodegradable cutting oil, or products of mineral oil origin in amounts that will cause Interference or Pass Through;
    - (7) Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems; or
    - (8) Any trucked or hauled pollutants, except at discharge points designated by the POTW.
  - c. The Permittee shall investigate the source of all discharges into the POTW, including slug loads and other unusual discharges, which have the potential to adversely impact the Permittee's Pretreatment Program and/or the operation of the POTW.

The Permittee shall report such discharges into the POTW to the Director or the appropriate Regional Office. Any information shall be provided orally within 24 hours from the time the Permittee became aware of the circumstances. A written submission shall also be provided within 5 days of the time the Permittee becomes aware of the circumstances. The written submission shall contain a description of the discharge; the investigation into possible sources; the period of the discharge, including exact dates and times; if the discharge has not ceased, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance,

3. With regard to the effluent requirements listed in Part I of this permit, it may be necessary for the Permittee to supplement the requirements of the Federal Pretreatment Standards (40 CFR, Part 403) to ensure compliance by the Permittee with all applicable effluent limitations. Such actions by the Permittee may be necessary regarding some or all of the industries discharging to the municipal system.
4. The Permittee shall require any Industrial User (IU) discharging to the POTW to meet Federal Pretreatment Standards developed under Section 307(b) of the Act as amended (which includes categorical standards and specific local limits, best management practices and narrative requirements). Prior to accepting wastewater from any Significant Industrial User (SIU), the Permittee shall either develop and submit to the Division a new Pretreatment Program or, as necessary, a modification of an existing Pretreatment Program, for approval as required under section D below as well as 15A NCAC 02H .0907(a) and (b). [40 CFR 122.44(j)(2)]
5. This permit shall be modified, or alternatively, revoked and reissued, to incorporate or modify an approved POTW Pretreatment Program or to include a compliance schedule for the development of a POTW Pretreatment Program as required under Section 402 (b)(8) of the CWA and implementing regulations or by the requirements of the approved State pretreatment program, as appropriate.

#### **Section D. Pretreatment Programs**

Under authority of sections 307 (b) and (c) and 402(b)(8) of the CWA and implementing regulations 40 CFR 403, North Carolina General Statute 143-215.3(14) and implementing regulations 15A NCAC 02H .0900, and in accordance with the approved pretreatment program, all provisions and regulations contained and referenced in the pretreatment program submittal are an enforceable part of this permit. [40 CFR 122.44(j)(2)]

The Permittee shall operate its approved pretreatment program in accordance with Section 402(b)(8) of the CWA, 40 CFR 403, 15A NCAC 02H .0900, and the legal authorities, policies, procedures, and financial provisions contained in its pretreatment program submission and Division approved modifications thereof. Such operation shall include but is not limited to the implementation of the following conditions and requirements. Terms not defined in Part II or Part IV of this permit are as defined in 15A NCAC 02H .0903 and 40 CFR 403.3.

1. **Sewer Use Ordinance (SUO)**  
The Permittee shall maintain adequate legal authority to implement its approved pretreatment program. [15A NCAC 02H .0903(b)(32), .0905 and .0906(b)(1); 40 CFR 403.8(f)(1) and 403.9(b)(1) and (2)]
2. **Industrial Waste Survey (IWS)**  
The Permittee shall implement an IWS consisting of the survey of users of the POTW collection system or treatment plant, as required by 40 CFR 403.8(f)(2)(i-iii) and 15A NCAC 02H .0905 [also 40 CFR 122.44(j)(1)], including identification of all Industrial Users that may have an impact on the POTW and the character and amount of pollutants contributed to the POTW by these Industrial Users and identification of those Industrial Users meeting the definition of SIU. Where the Permittee accepts wastewater from one or more satellite POTWs, the IWS for the Permittee shall address all satellite POTW service areas, unless the pretreatment program in those satellite service areas is administered by a separate Permittee with an approved Pretreatment Program. The Permittee shall submit a summary of its IWS activities to the Division at least once every five years, and as required by the Division. The IWS submission shall include a summary of any investigations conducted under paragraph C.2.c. of this Part. [15A NCAC 02H .0903(b)(13), .0905 and .0906(b)(2); 40 CFR 403.8(f)(2) and 403.9]
3. **Monitoring Plan**  
The Permittee shall implement a Division-approved Monitoring Plan for the collection of facility specific data to be used in a wastewater treatment plant Headworks Analysis (HWA) for the development of specific pretreatment local limits. Effluent data from the Plan shall be reported on the DMRs (as required by Parts II.D and II.E.5.). [15A NCAC 02H .0903(b)(16), .0906(b)(3) and .0905]
4. **Headworks Analysis (HWA) and Local Limits**  
The Permittee shall obtain Division approval of a HWA at least once every five years, and as required by the Division. Within 180 days of the effective date of this permit (or any subsequent permit modification) the Permittee shall submit to the Division a written technical evaluation of the need to revise local limits (i.e., an updated HWA or documentation of why one is not needed) [40 CFR 122.44]. The Permittee shall develop, in accordance with 40 CFR 403.5(c) and 15A NCAC 02H .0909, specific Local Limits to implement the prohibitions listed in 40 CFR 403.5(a) and (b) and 15A NCAC 02H .0909. Pursuant to 40 CFR 403.5, local limits are



enforceable Pretreatment Standards as defined by 40 CFR 403.3(1). [15A NCAC 02H .0903(b)(10), .0905, and .0906(b)(4)]

5. Industrial User Pretreatment Permits (IUP) & Allocation Tables

In accordance with NCGS 143-215.1, the Permittee shall issue to all Significant Industrial Users, permits for operation of pretreatment equipment and discharge to the Permittee's collection system or treatment works. These permits shall contain limitations, sampling protocols, reporting requirements, appropriate standard and special conditions, and compliance schedules as necessary for the installation of treatment and control technologies to assure that their wastewater discharge will meet all applicable pretreatment standards and requirements. The Permittee shall maintain a current Allocation Table (AT) which summarizes the results of the HWA and the limits from all IUPs. Permitted IUP loadings for each parameter cannot exceed the treatment capacity of the POTW as determined by the HWA. [15A NCAC 02H .0906(b)(6), .0909, .0916, and .0917; 40 CFR 403.5, 403.8(f)(1)(iii); NCGS 143-215.67(a)]

6. Authorization to Construct (AtC)

The Permittee shall ensure that an Authorization to Construct permit (AtC) is issued to all applicable Industrial Users for the construction or modification of any pretreatment facility. Prior to the issuance of an AtC, the proposed pretreatment facility and treatment process must be evaluated for its capacity to comply with all Industrial User Pretreatment Permit (IUP) limitations. [15A NCAC 02H .0906(b)(7) and .0905; NCGS 143-215.1(a)(8)]

7. POTW Inspection & Monitoring of their IUs

The Permittee shall conduct inspection, surveillance, and monitoring activities as described in its Division approved pretreatment program in order to determine, independent of information supplied by Industrial Users, compliance with applicable pretreatment standards. [15A NCAC 02H .0908(e); 40 CFR 403.8(f)(2)(v)] The Permittee must:

- a. Inspect all Significant Industrial Users (SIUs) at least once per calendar year;
- b. Sample all Significant Industrial Users (SIUs) at least once per calendar year for all SIU permit-limited parameters including flow except as allowed under 15A NCAC .0908(e); and
- c. At least once per year, document an evaluation of any non-significant categorical Industrial User for compliance with the requirements in 40 CFR 403.3(v)(2), and either continue or revoke the designation as non-significant.

8. IU Self Monitoring and Reporting

The Permittee shall require all Industrial Users to comply with the applicable monitoring and reporting requirements outlined in the Division-approved pretreatment program, the industry's pretreatment permit, or in 15A NCAC 02H .0908. [15A NCAC 02H .0906(b)(5) and .0905; 40 CFR 403.8(f)(1)(v) and (2)(iii); 40 CFR 122.44(j)(2) and 40 CFR 403.12]

9. Enforcement Response Plan (ERP)

The Permittee shall enforce and obtain appropriate remedies for violations of all pretreatment standards promulgated pursuant to section 307(b) and (c) of the CWA (40 CFR 405 et. seq.), prohibitive discharge standards as set forth in 40 CFR 403.5 and 15A NCAC 02H .0909, specific local limitations, and other pretreatment requirements. All remedies, enforcement actions and other, shall be consistent with the Enforcement Response Plan (ERP) approved by the Division. [15A NCAC 02H .0903(b)(7), .0906(b)(8) and .0905; 40 CFR 403.8(f)(5)]

10. Pretreatment Annual Reports (PAR)

The Permittee shall report to the Division in accordance with 15A NCAC 02H .0908. In lieu of submitting annual reports, Modified Pretreatment Programs developed under 15A NCAC 02H .0904 (b) may be required to submit a partial annual report or to meet with Division personnel periodically to discuss enforcement of pretreatment requirements and other pretreatment implementation issues.

For all other active pretreatment programs, the Permittee shall submit two copies of a Pretreatment Annual Report (PAR) describing its pretreatment activities over the previous calendar year to the Division at the following address:

NC DEQ / Division of Water Resources / Water Quality Permitting Section  
Pretreatment, Emergency Response, and Collection Systems (PERCS) Unit  
1617 Mail Service Center  
Raleigh, North Carolina 27699-1617

These reports shall be submitted by March 1 of each year and shall contain the following:

- a. Narrative  
A narrative summary detailing actions taken, or proposed, by the Permittee to correct significant non-compliance and to ensure compliance with pretreatment requirements;
  - b. Pretreatment Program Summary (PPS)  
A pretreatment program summary (PPS) on forms or in a format provided by the Division;
  - c. Significant Non-Compliance Report (SNCR)  
A list of Industrial Users (IUs) in significant noncompliance (SNC) with pretreatment requirements, and the nature of the violations on forms or in a format provided by the Division;
  - d. Industrial Data Summary Forms (IDSF)  
Monitoring data from samples collected by both the POTW and the Significant Industrial Users (SIUs). These analytical results must be reported on Industrial Data Summary Forms (IDSF) or on other forms or in a format provided by the Division;
  - e. Other Information  
Copies of the POTW's allocation table, new or modified enforcement compliance schedules, public notice of IUs in SNC, a summary of data or other information related to significant noncompliance determinations for IUs that are not considered SIUs, and any other information, upon request, which in the opinion of the Director is needed to determine compliance with the pretreatment implementation requirements of this permit;
11. Public Notice  
The Permittee shall publish annually a list of Industrial Users (IUs) that were in significant noncompliance (SNC) as defined in the Permittee's Division-approved Sewer Use Ordinance with applicable pretreatment requirements and standards during the previous twelve month period. This list shall be published within four months of the applicable twelve-month period. [15A NCAC 02H .0903(b)(34), .0908(b)(5) and .0905 and 40 CFR 403.8(f)(2)(viii)]
  12. Record Keeping  
The Permittee shall retain for a minimum of three years records of monitoring activities and results, along with support information including general records, water quality records, and records of industrial impact on the POTW and shall retain all other Pretreatment Program records as required by 15A NCAC 02H .0908(f). [15A NCAC 02H .0908(f); 40 CFR 403.12(o)]
  13. Pretreatment Program Resources  
The Permittee shall maintain adequate funding and qualified personnel to accomplish the objectives of its approved pretreatment program. and retain a written description of those current levels of inspection. [15A NCAC 02H .0906(b)(9) and (10) and .0905; 40 CFR 403.8(f)(3), 403.9(b)(3)]
  14. Modification to Pretreatment Programs  
Modifications to the approved pretreatment program including but not limited to local limits modifications, POTW monitoring of their Significant Industrial Users (SIUs), and Monitoring Plan modifications, shall be considered a permit modification and shall be governed by 40 CFR 403.18, 15 NCAC 02H .0114 and 15A NCAC 02H .0907.



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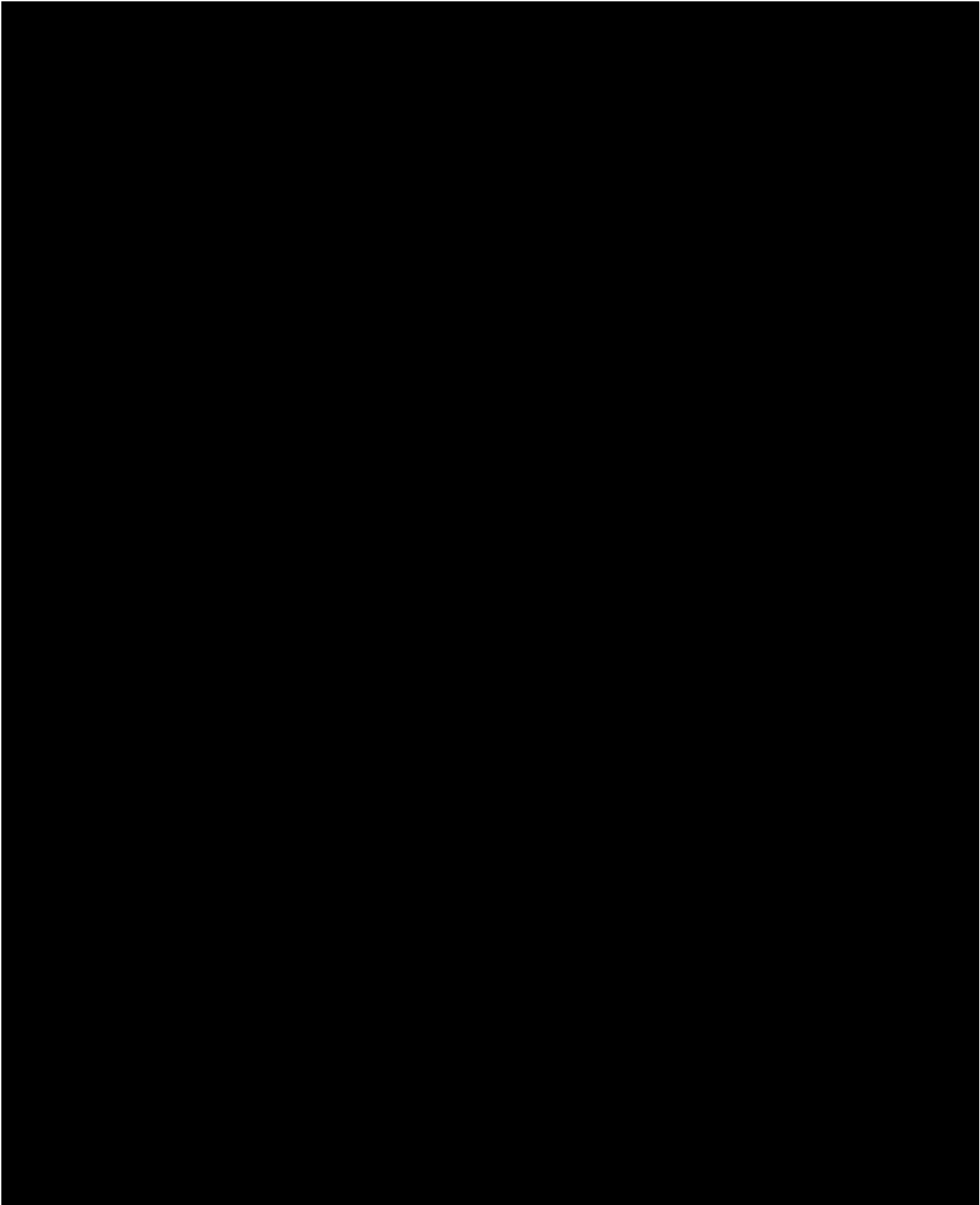
# Appendix B

## Facility Inspection Report – Wastewater Treatment Plant

# WASTEWATER TREATMENT FACILITY INSPECTION REPORT

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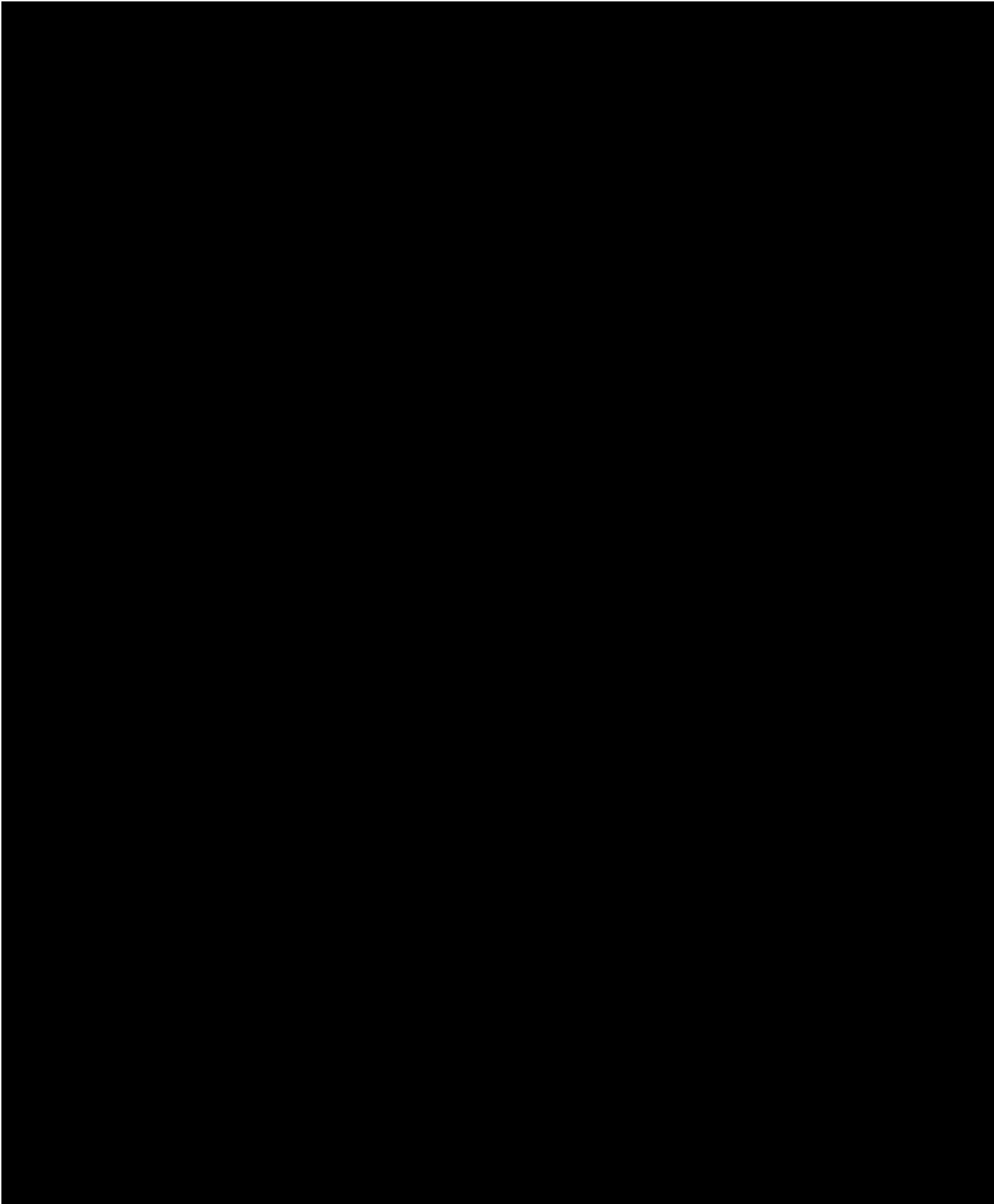
Feb 16 2024



# WASTEWATER TREATMENT FACILITY INSPECTION REPORT

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Feb 16 2024





# WASTEWATER TREATMENT FACILITY INSPECTION REPORT



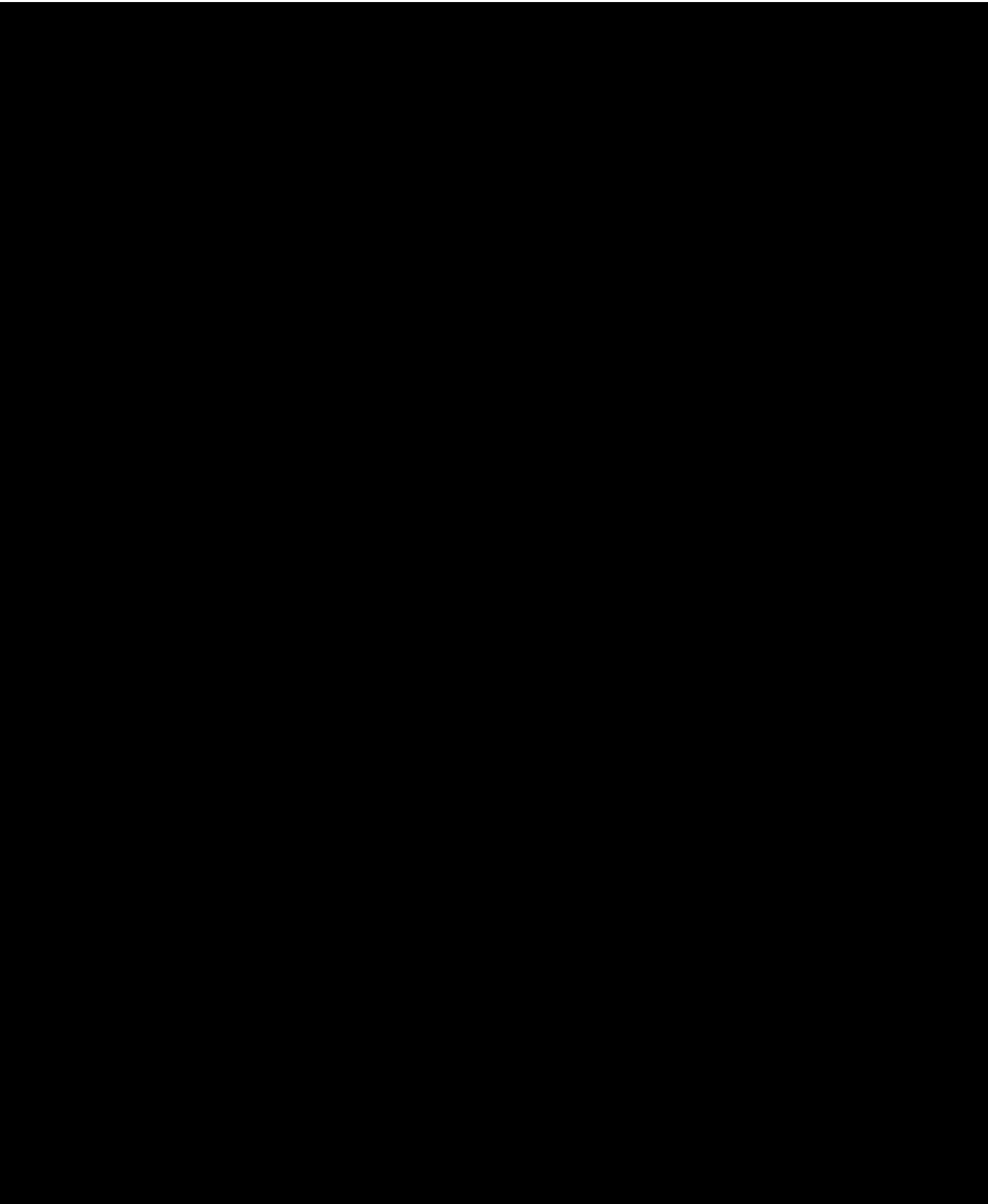
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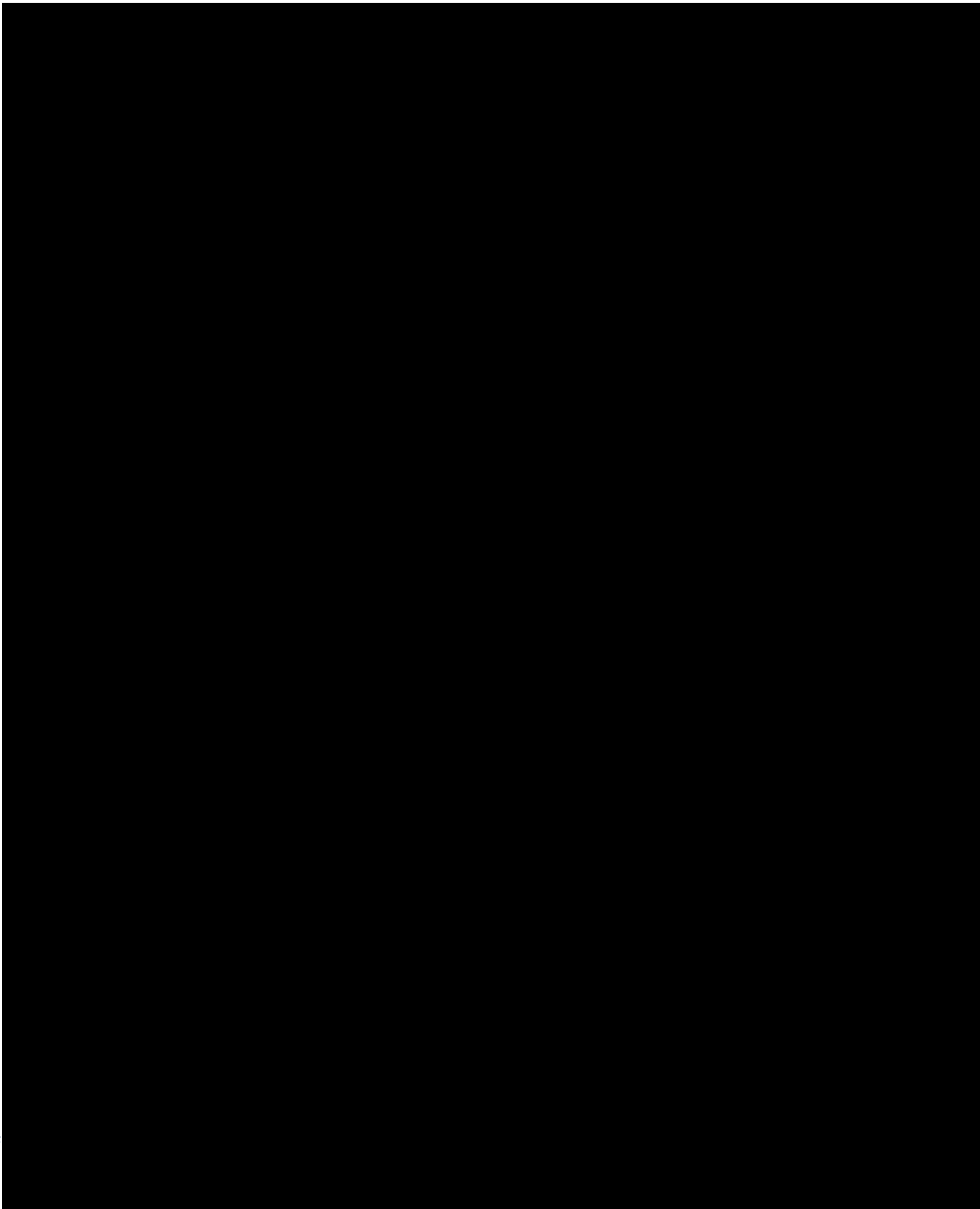
Feb 16 2024



# WASTEWATER TREATMENT FACILITY INSPECTION REPORT

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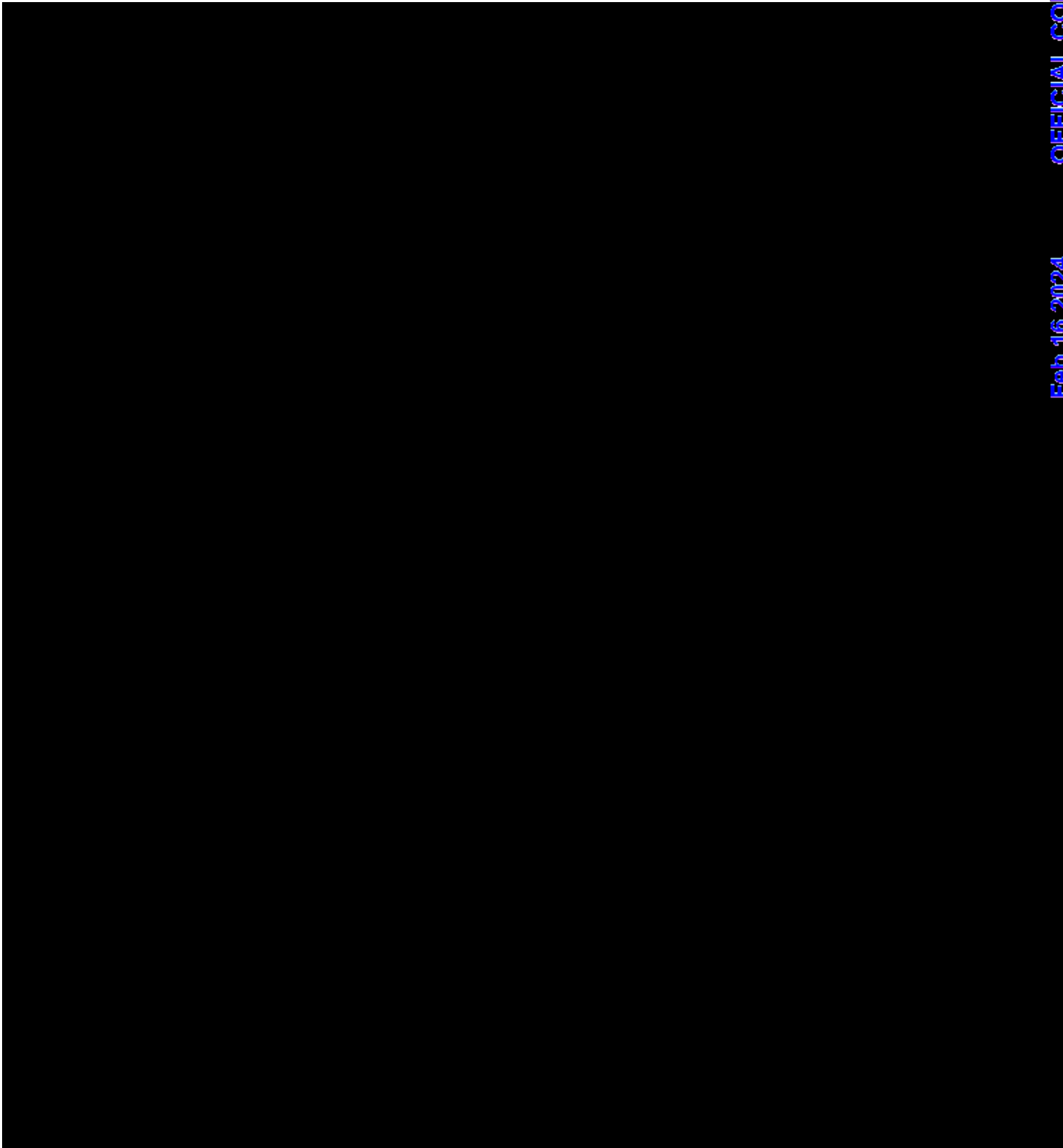


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# WASTEWATER TREATMENT FACILITY INSPECTION REPORT

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Feb-16-2024



# WASTEWATER TREATMENT FACILITY INSPECTION REPORT

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Feb 16 2024

# WASTEWATER TREATMENT FACILITY INSPECTION REPORT

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Feb 16 2024





# WASTEWATER TREATMENT FACILITY INSPECTION REPORT

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Feb 16 2024



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Feb 16 2024

# Appendix C

## Flood Insurance Rate Map



**FLOOD HAZARD INFORMATION**

**SEE FIS REPORT FOR ZONE DESCRIPTIONS AND INDEX MAP**  
**THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING**  
**DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT**  
**HTTP://FRIS.NC.GOV/FRIS**

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
OTHER AREAS OF FLOOD HAZARD		Regulatory Floodway
		0.2% Annual Chance Flood Hazard, Areas of 1% Annual Chance Flood with Average Depth Less Than One Foot or With Drainage Areas of Less Than One Square Mile <i>Zone X</i>
OTHER AREAS		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee See Notes <i>Zone X</i>
GENERAL STRUCTURES		Areas Determined to be Outside the 0.2% Annual Chance Floodplain <i>Zone X</i>
		Channel, Culvert, or Storm Sewer Accredited or Provisionally Accredited Levee, Dike, or Floodwall
OTHER FEATURES		Non-accredited Levee, Dike, or Floodwall
		Profile Baseline
OTHER FEATURES		Hydrographic Feature
		Limit of Study
OTHER FEATURES		Coastal Transect
		Coastal Transect Baseline
OTHER FEATURES		Contractor Est. NCFMP Survey bench mark
		Water Surface Elevation (BFE)
OTHER FEATURES		Coastal Transect
		Coastal Transect Baseline
OTHER FEATURES		Profile Baseline
		Hydrographic Feature
OTHER FEATURES		Limit of Study
		Jurisdiction Boundary

**NOTES TO USERS**

For information and questions about this map, available products associated with this FIRM including historic versions of this FIRM, how to order products or the National Flood Insurance Program in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Map Service Center website at <http://msc.fema.gov>. An accompanying Flood Insurance Study report, Letter of Map Revision (LOMR) or Letter of Map Amendment (LOMA) revising portions of this panel, and digital versions of this FIRM may be available. Visit the North Carolina Floodplain Mapping Program website at <http://www.ncfloodmaps.com> or contact the FEMA Map Service Center.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM Index. These may be ordered directly from the Map Service Center at the number listed above.

For community and countywide map dates refer to the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in the community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

Base map information shown on this FIRM was provided in digital format by the North Carolina Floodplain Mapping Program (NCFMP). The source of this information can be determined from the metadata available in the digital FLOOD database and in the Technical Support Data Notebook (TSDN).

ACCREDITED LEEVE NOTES TO USERS: If an accredited levee note appears on this panel check with your local community to obtain more information, such as the estimated level of protection provided (which may exceed the 1-percent-annual-chance level) and Emergency Action Plan, on the levee system(s) shown as providing protection. To mitigate flood risk in residual risk areas, property owners and residents are encouraged to consider flood insurance and floodproofing or other protective measures. For more information on flood insurance, interested parties should visit the FEMA Website at <http://www.fema.gov/business/nfip/index.shtm>.

PROVISIONALLY ACCREDITED LEEVE NOTES TO USERS: If a Provisionally Accredited Levee (PAL) note appears on this panel, check with your local community to obtain more information, such as the estimated level of protection provided (which may exceed the 1-percent-annual-chance level) and Emergency Action Plan, on the levee system(s) shown as providing protection. To maintain accreditation, the levee owner or community is required to submit the data and documentation necessary to comply with Section 65.10 of the NFIP regulations. If the community or owner does not provide the necessary data and documentation or if the data and documentation provided indicates the levee system does not comply with Section 65.10 requirements, FEMA will revise the flood hazard and risk information for this area to reflect de-accreditation of the levee system. To mitigate flood risk in residual risk areas, property owners and residents are encouraged to consider flood insurance and floodproofing or other protective measures. For more information on flood insurance, interested parties should visit the FEMA Website at <http://www.fema.gov/business/nfip/index.shtm>.

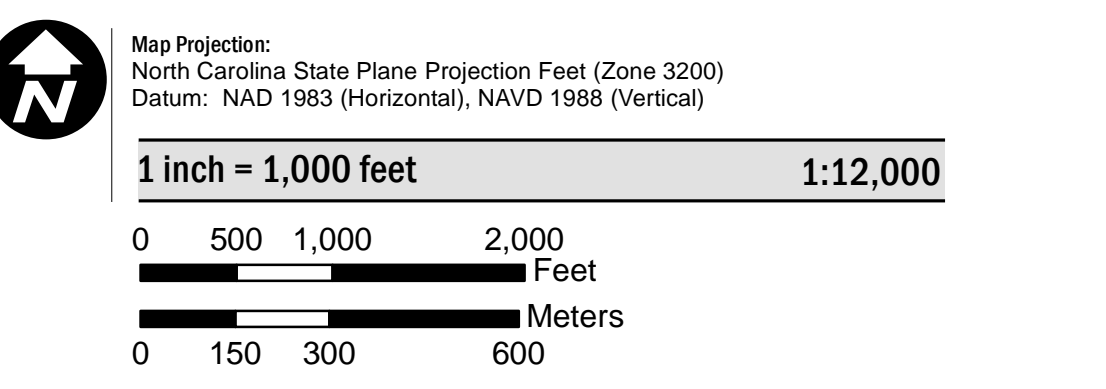
LIMIT OF MODERATE WAVE ACTION NOTES TO USERS: For some coastal flooding zones the AE Zone category has been divided by a Limit of Moderate Wave Action (LIMWA). The LIMWA represents the approximate landward limit of the 1.5-foot breaking wave. The effects of wave hazards between the VE Zone and the LIMWA (or between the shoreline and the LIMWA for areas where VE Zones are not identified) will be similar to, but less severe than those in the VE Zone.

**COASTAL BARRIER RESOURCES SYSTEM (CBRS) NOTE**

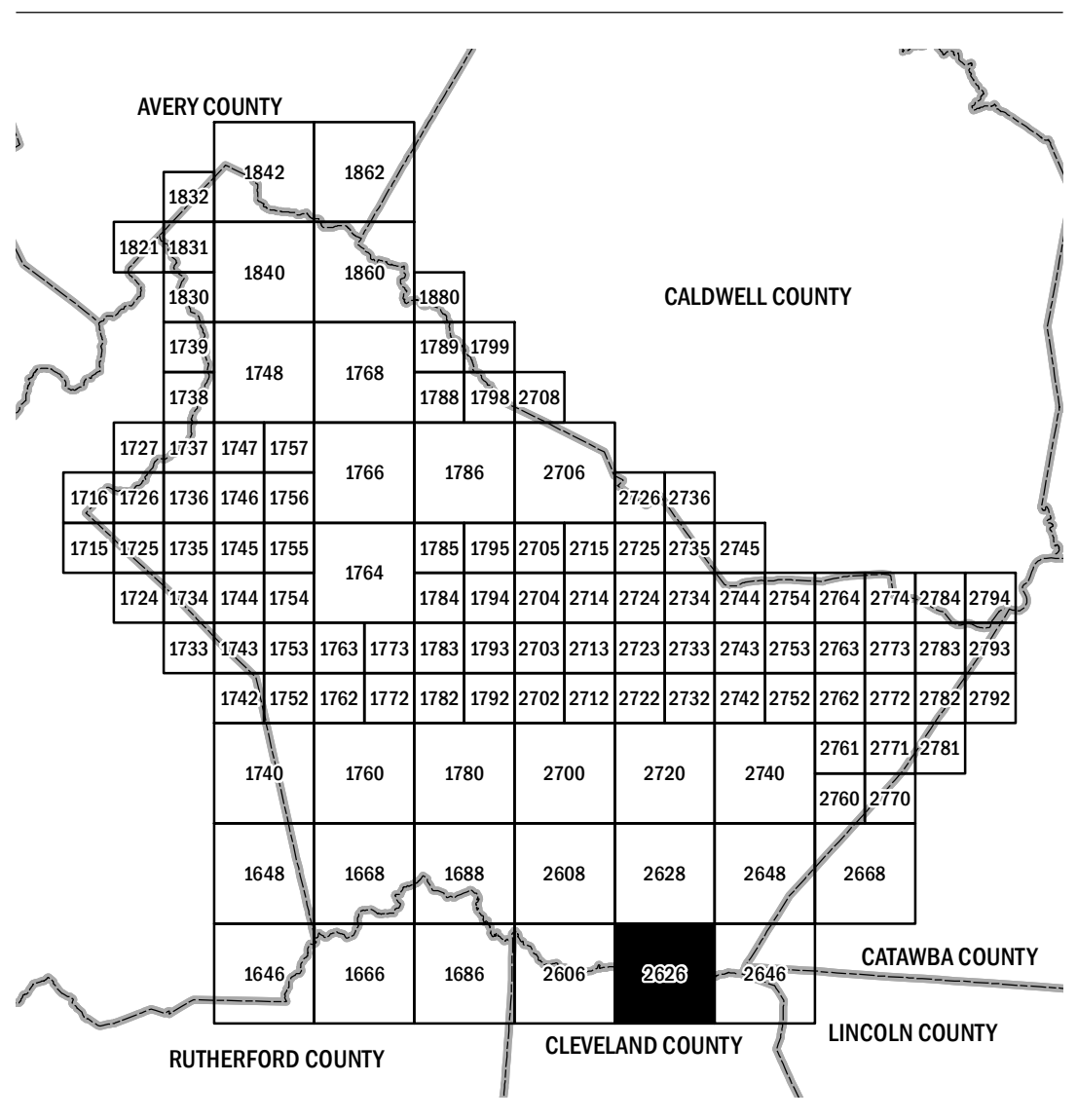
This map may include approximate boundaries of the CBRS for informational purposes only. Flood insurance is not available within CBRS areas for structures that are newly built or substantially improved on or after the date(s) indicated on the map. For more information see [http://www.fws.gov/habitatconservation/coastal\\_barrier.html](http://www.fws.gov/habitatconservation/coastal_barrier.html), the FIS Report, or call the U.S. Fish and Wildlife Service Customer Service Center at 1-800-344-WILD.

	CBRS Area		Otherwise Protected Area
--	-----------	--	--------------------------

**SCALE**



**PANEL LOCATOR**



**FEMA**  
NATIONAL FLOOD INSURANCE PROGRAM  
FLOOD INSURANCE RATE MAP

**NORTH CAROLINA**  
PANEL 2626

Panel Contains:  
COMMUNITY  
BURKE COUNTY  
CLEVELAND COUNTY

CID	PANEL	SUFFIX
370034	2626	K
370302	2626	K

MAP NUMBER  
3710262600K  
MAP REVISED  
2/20/2008



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Feb 16 2024

# Appendix D

## Notice of Violations (NOVs)



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**ROY COOPER**  
Governor  
**MICHAEL S. REGAN**  
Secretary  
**LINDA CULPEPPER**  
Director



**Certified Mail # 7017 2620 0000 9759 2892**  
**Return Receipt Requested**

November 19, 2019

John Horton, Treasurer  
Pine Mountain Property Owners Assoc  
2885 Pine Mountain Dr  
Connellys Springs, NC 28612

**SUBJECT: NOTICE OF VIOLATION & INTENT TO ASSESS CIVIL PENALTY**  
Tracking Number: NOV-2019-LV-0873  
Permit No. NC0036935  
Pine Mountain Lakes WWTP  
Burke County

Dear Permittee:

A review of the September 2019 Discharge Monitoring Report (DMR) for the subject facility revealed the violation(s) indicated below:

**Limit Exceedance Violation(s):**

Sample Location	Parameter	Date	Limit Value	Reported Value	Type of Violation
001 Effluent	Coliform, Fecal MF, MFC Broth, 44.5 C (31616)	9/4/2019	400	866	Daily Maximum Exceeded
001 Effluent	Coliform, Fecal MF, MFC Broth, 44.5 C (31616)	9/11/2019	400	1,990	Daily Maximum Exceeded
001 Effluent	Coliform, Fecal MF, MFC Broth, 44.5 C (31616)	9/18/2019	400	6,000	Daily Maximum Exceeded
001 Effluent	Coliform, Fecal MF, MFC Broth, 44.5 C (31616)	9/30/2019	200	1,335.88	Monthly Geometric Mean Exceeded



North Carolina Department of Environmental Quality | Division of Water Resources  
Asheville Regional Office | 2090 U.S. 70 Highway | Swannanoa, North Carolina 28778  
828-286-4500

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ROY COOPER  
Governor  
MICHAEL S. REGAN  
Secretary  
S. DANIEL SMITH  
Director



**Certified Mail # 7019 0700 0000 8867 5480**  
**Return Receipt Requested**

February 17, 2020

John Horton, Treasurer  
Pine Mountain Property Owners Assoc.  
2885 Pine Mountain Dr.  
Connellys Springs, NC 28612

SUBJECT: **NOTICE OF VIOLATION & INTENT TO ASSESS CIVIL PENALTY**  
Tracking Number: NOV-2020-LV-0132  
Permit No. NC0036935  
Pine Mountain Lakes WWTP  
Burke County

Dear Permittee:

A review of the **November 2019** Discharge Monitoring Report (DMR) for the subject facility revealed the violation(s) indicated below:

**Limit Exceedance Violation(s):**

Sample Location	Parameter	Date	Limit Value	Reported Value	Type of Violation
001 Effluent	Solids, Total Suspended - Concentration (CO530)	11/6/2019	45	142	Daily Maximum Exceeded
001 Effluent	BOD, 5-Day (20 Deg. C) - Concentration (CO310)	11/26/2019	45	93	Daily Maximum Exceeded
001 Effluent	Solids, Total Suspended - Concentration (CO530)	11/30/2019	30	43.38	Monthly Average Exceeded



North Carolina Department of Environmental Quality | Division of Water Resources  
Asheville Regional Office | 2090 U.S. 70 Highway | Swannanoa, North Carolina 28778  
828-286-4500



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**ATTACHMENT A**

**Pine Mountain Property Owners Assoc**

**CASE NUMBER: LV-2020-0085**

**MIT: NC0036935**

**REGION: Asheville**

**CITY: Pine Mountain Lakes WWTP**

**COUNTY: Burke**

**T VIOLATION(S)**

**SAMPLE LOCATION: Outfall 001 - Effluent**

Violation Date	Report Month/Yr	Parameter	Frequency	Unit of Measure	Limit Value	Calculated Value	% Over Limit	Violation Type	Penalty Amount
10/10/2019	10-2019	Coliform, Fecal MF, MFC Broth, 44.5 C	Weekly	#/100ml	400	461	15.3	Daily Maximum Exceeded	\$0.00
10/3/2019	10-2019	Solids, Total Suspended - Concentration	Weekly	mg/l	45	1,770	3,833.3	Daily Maximum Exceeded	\$200.00
10/31/2019	10-2019	Solids, Total Suspended - Concentration	Weekly	mg/l	30	363.65	1,112.2	Monthly Average Exceeded	\$700.00

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Feb 16 2024

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ROY COOPER  
Governor  
MICHAEL S. REGAN  
Secretary  
S. DANIEL SMITH  
Director



March 30, 2020

John Horton, Treasurer  
Pine Mountain Property Owners Assoc.  
2885 Pine Mountain Dr.  
Connellys Springs, NC 28612

SUBJECT: **NOTICE OF VIOLATION**  
Tracking Number: NOV-2020-MV-0043  
Permit No. NC0036935  
Pine Mountain Lakes WWTP  
Burke County

Dear Permittee:

A review of the December 2019 Discharge Monitoring Report (DMR) for the subject facility revealed the violation(s) indicated below:

**Monitoring Violation(s):**

Sample Location	Parameter	Date	Monitoring Frequency	Type of Violation
001 Effluent	Phosphorus, Total (as P) - Concentration (CO665)	12/31/2019	Quarterly	Frequency Violation

Remedial actions, if not already implemented, should be taken to correct any noted problems. The Division of Water Resources may pursue enforcement actions for this and any additional violations. If the violations are of a continuing nature, not related to operation and/or maintenance problems, and you anticipate remedial construction activities, then you may wish to consider applying for a Special Order by Consent (SOC).

If you have any questions concerning this matter or to apply for an SOC, please contact Linda Wiggs of the Asheville Regional Office at 828-296-4500.

Sincerely,

DocuSigned by:

G. Landon Davidson, P.G., Regional Supervisor  
Water Quality Regional Operations Section  
Asheville Regional Office  
Division of Water Resources, NCDEQ

Ec: ARO Server, LF

G:\WR\WQ\Burke\Wastewater\Minors\Pine Mountain Lakes 36935\DMR Violations\2019\12-2019\NC0036935\_NOV2020MV0043\_20200330.rtf



North Carolina Department of Environmental Quality | Division of Water Resources  
Asheville Regional Office | 2080 U.S. 70 Highway | Swannanoa, North Carolina 28778  
828-296-4500



DocuSign Envelope ID: F587B878-90CC-4919-B4E6-06371FC66500

ROY COOPER  
Governor  
MICHAEL S. REGAN  
Secretary  
S. DANIEL SMITH  
Director



April 24, 2020

John Horton, Treasurer  
Pine Mountain Property Owners Assoc.  
2885 Pine Mountain Dr.  
Connellys Springs, NC 28612

SUBJECT: **NOTICE OF VIOLATION**  
Tracking Number: NOV-2020-LV-0332  
Tracking Number: NOV-2020-LV-0333  
Permit No. NC0036935  
Pine Mountain Lakes WWTP  
Burke County

Dear Permittee:

A review of the February 2020 Discharge Monitoring Report (DMR) for the subject facility revealed the violation(s) indicated below:

**Limit Exceedance Violation(s): NOV-2020-LV-0332**

Sample Location	Parameter	Date	Limit Value	Reported Value	Type of Violation
001 Effluent	Flow, in conduit or thru treatment plant (50050)	2/29/2020	0.02	0.023	Monthly Average Exceeded

A review of the March 2020 Discharge Monitoring Report (DMR) for the subject facility revealed the violation(s) indicated below:

**Limit Exceedance Violation(s): NOV-2020-LV-0333**

Sample Location	Parameter	Date	Limit Value	Reported Value	Type of Violation
001 Effluent	Coliform, Fecal MF, MFC Broth, 44.5 C (31616)	3/31/2020	400	1,983.3	Daily Maximum Exceeded

Remedial actions, if not already implemented, should be taken to correct any noted problems. The Division of Water Resources may pursue enforcement actions for this and any additional violations. If the violations are of a continuing nature, not related to operation and/or maintenance problems, and you anticipate remedial construction activities, then you may wish to consider applying for a Special Order by Consent (SOC).



North Carolina Department of Environmental Quality | Division of Water Resources  
Asheville Regional Office | 2090 U.S. 70 Highway | Swannanoa, North Carolina 28778  
828-286-4500



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**ENGINEERING MEMORANDUM**

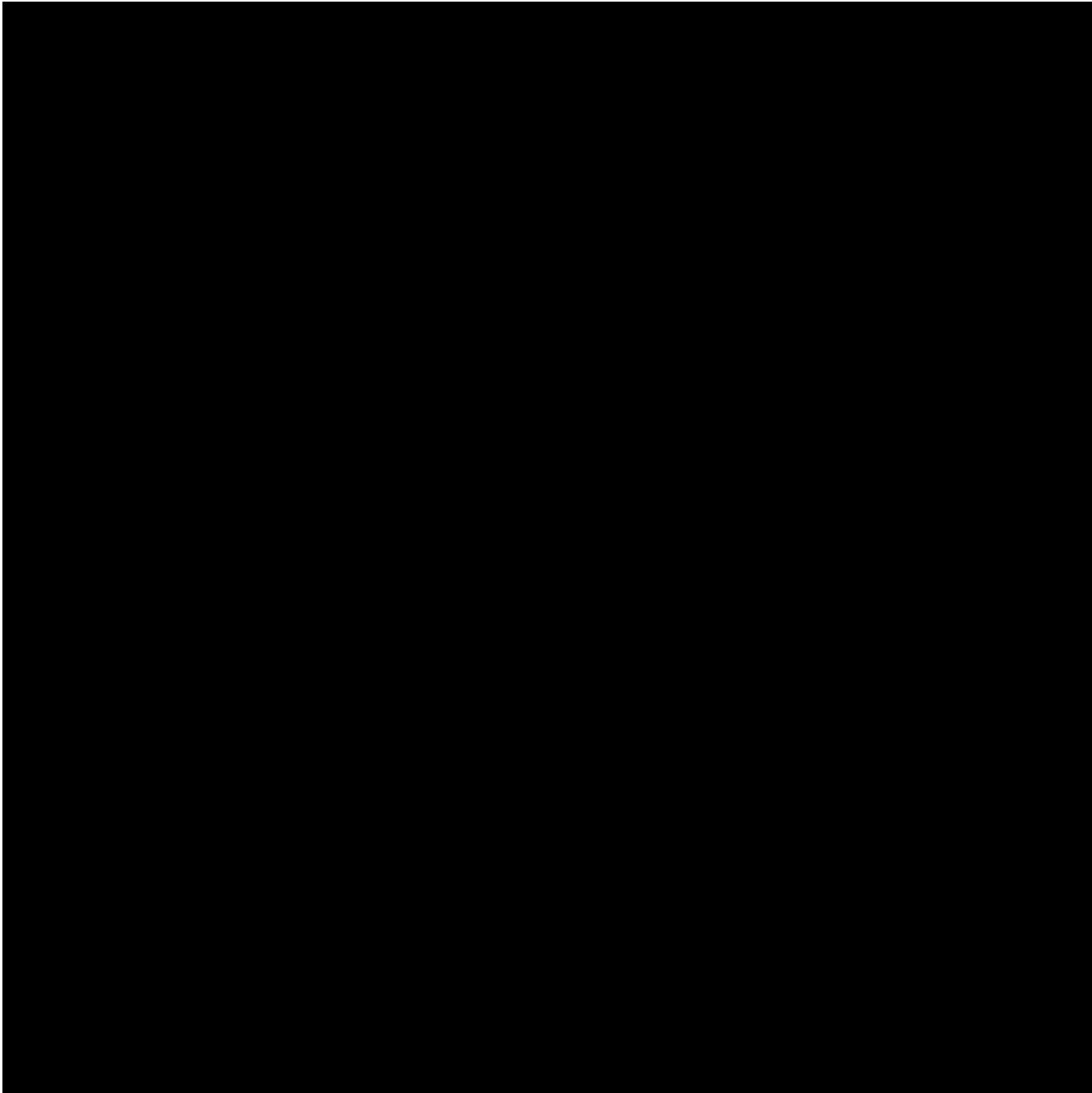
**Pine Mountain Property Owners Association, Inc.**

**Water System**

**PWS# NC0112133**

**Connelly Springs, Burke County, NC**

**May 2021**

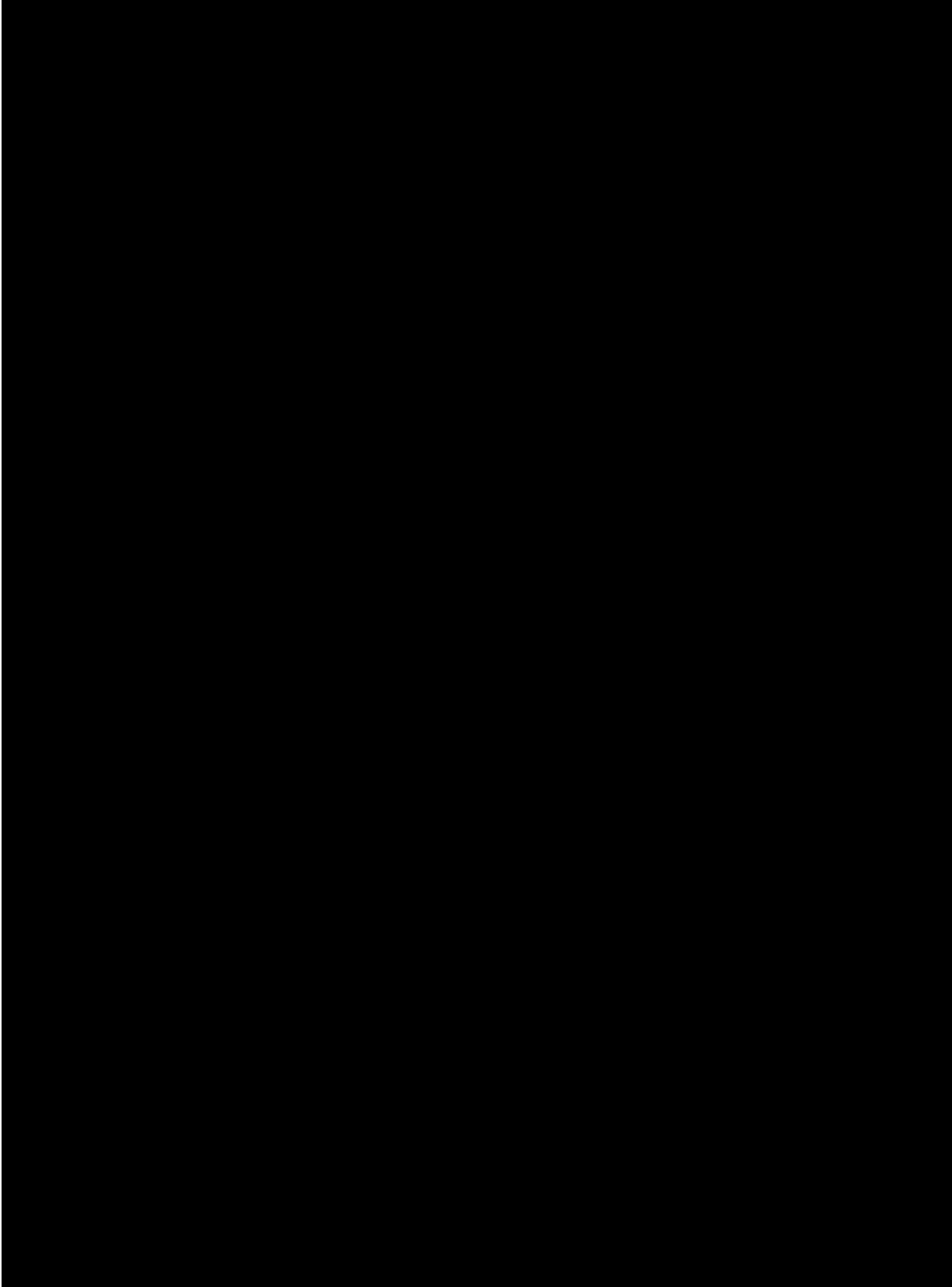


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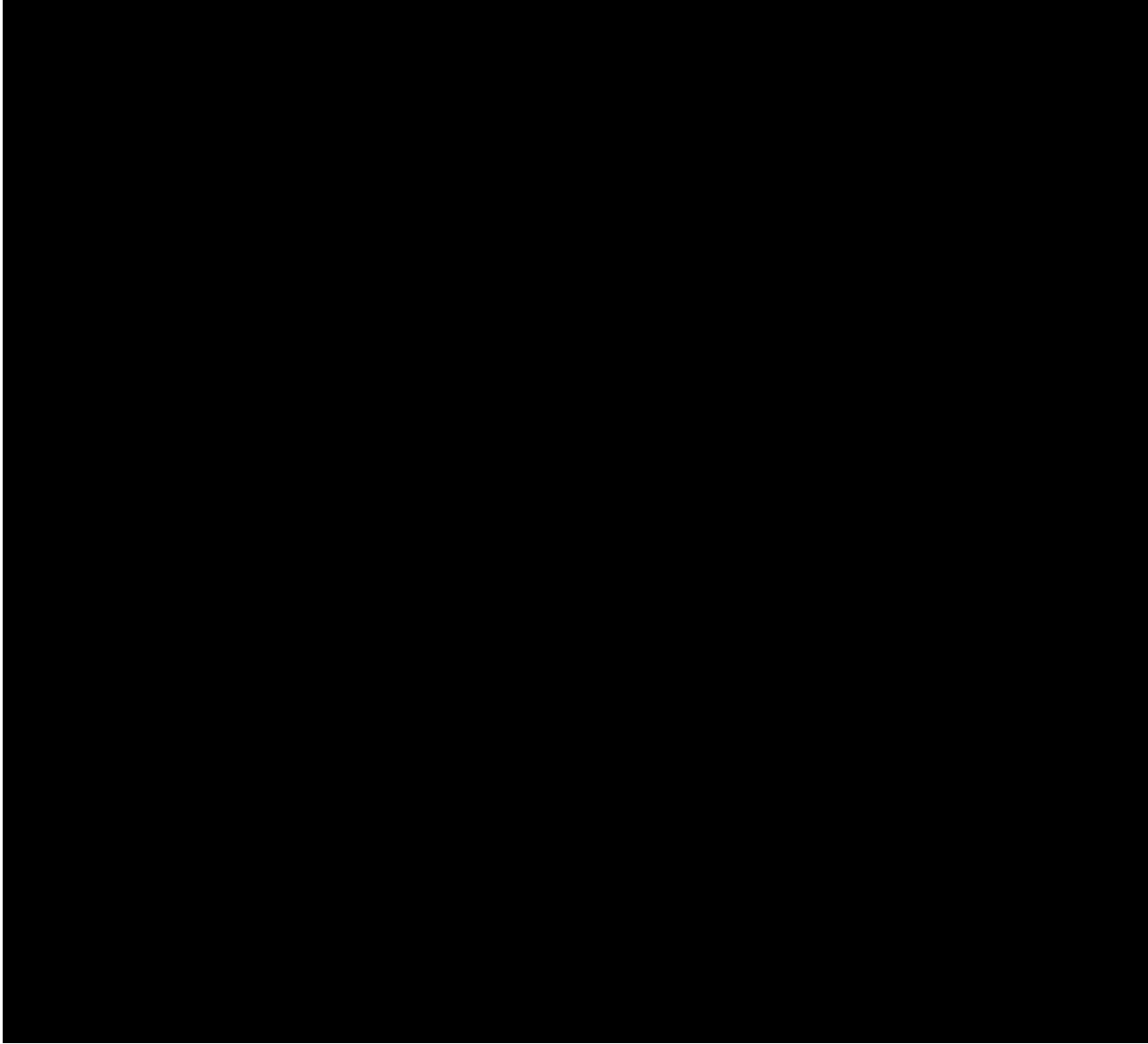


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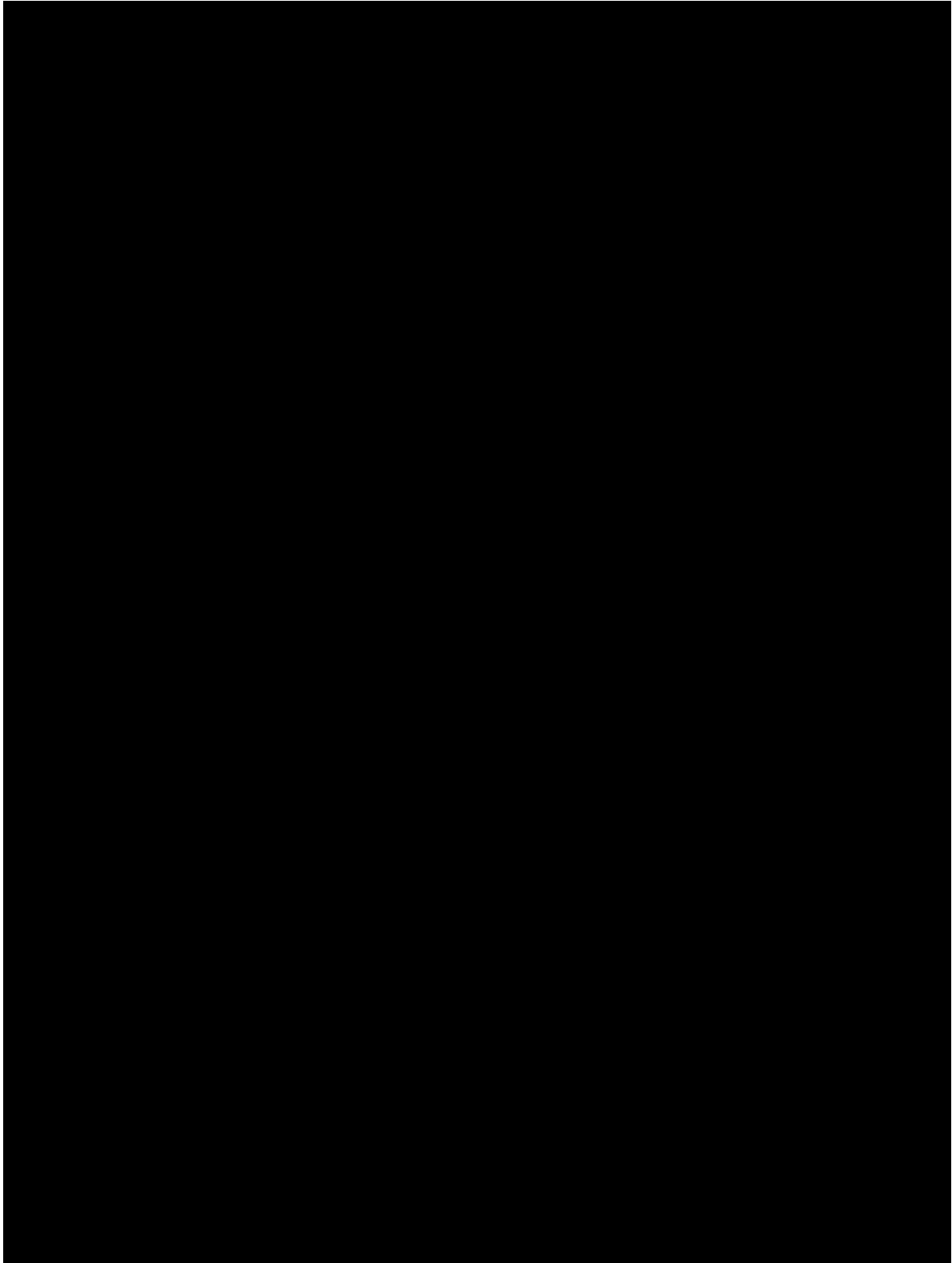


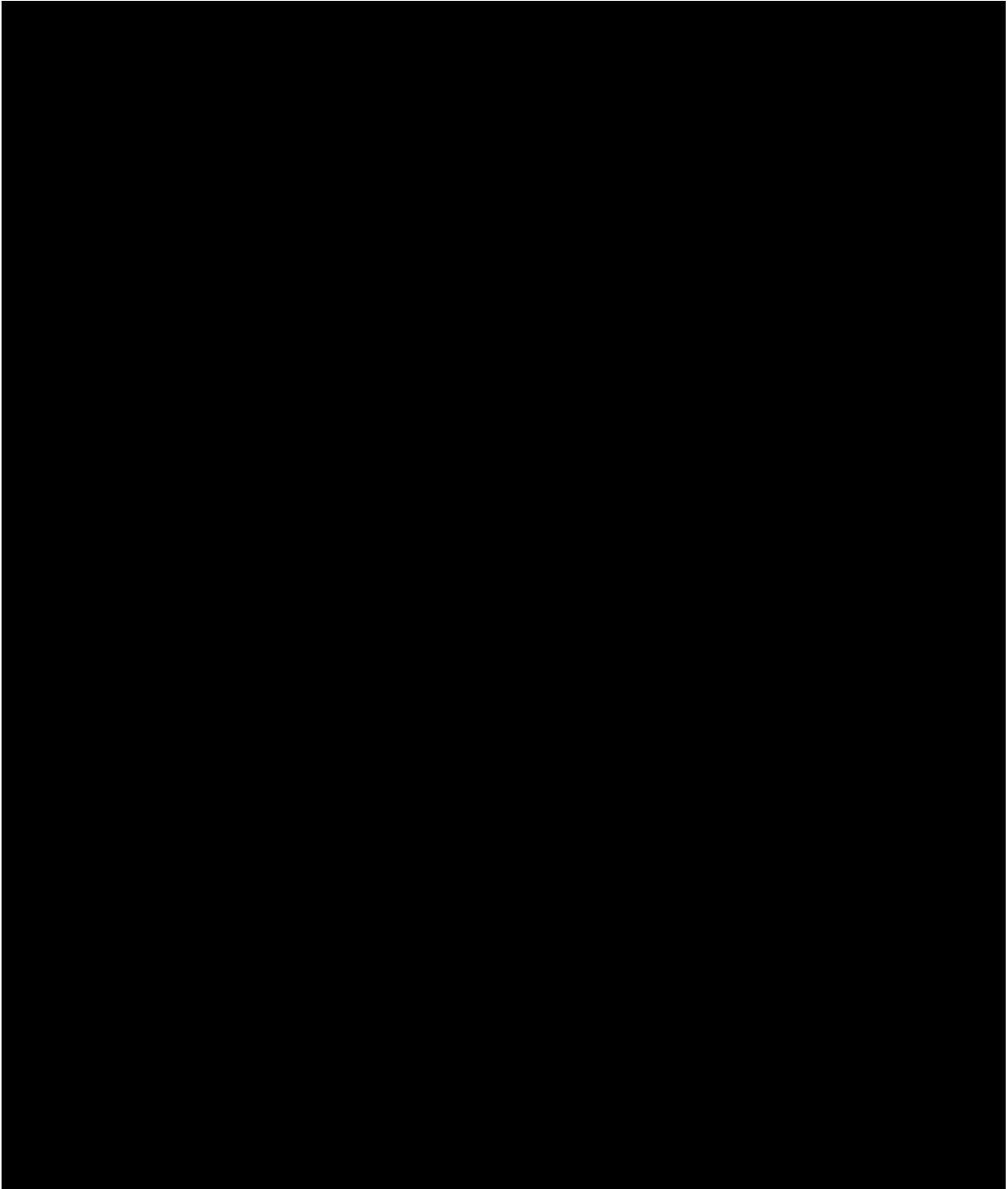
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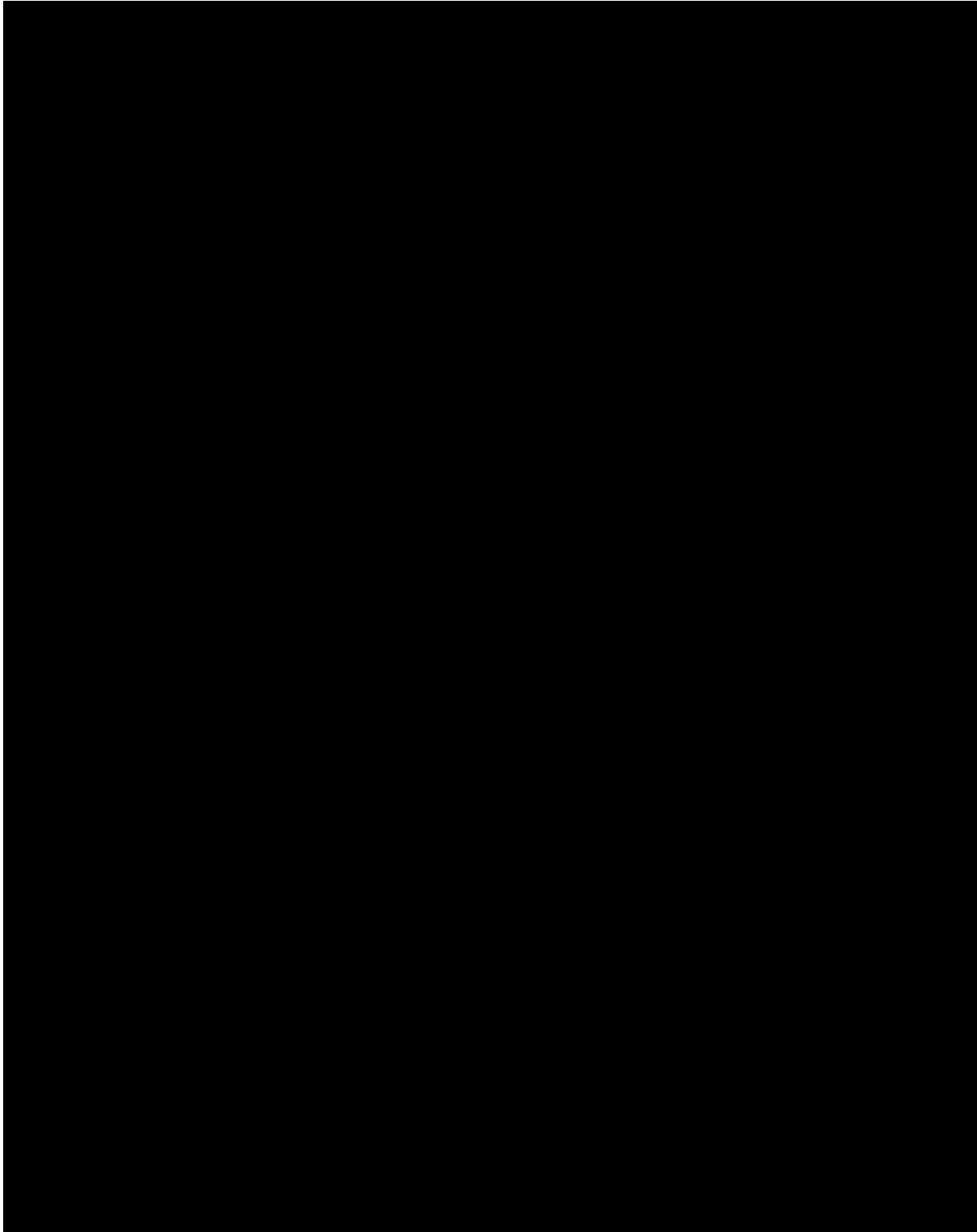
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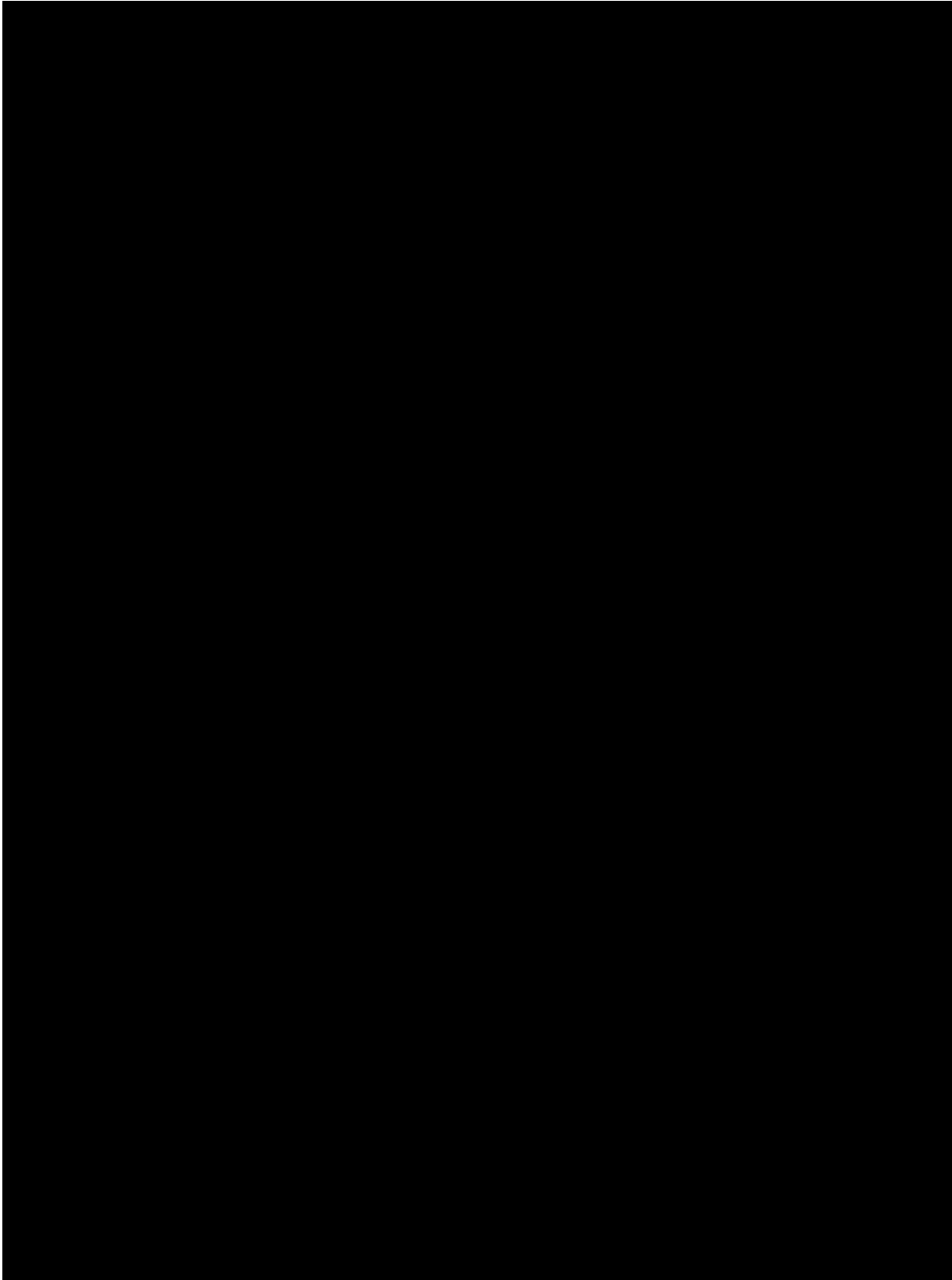


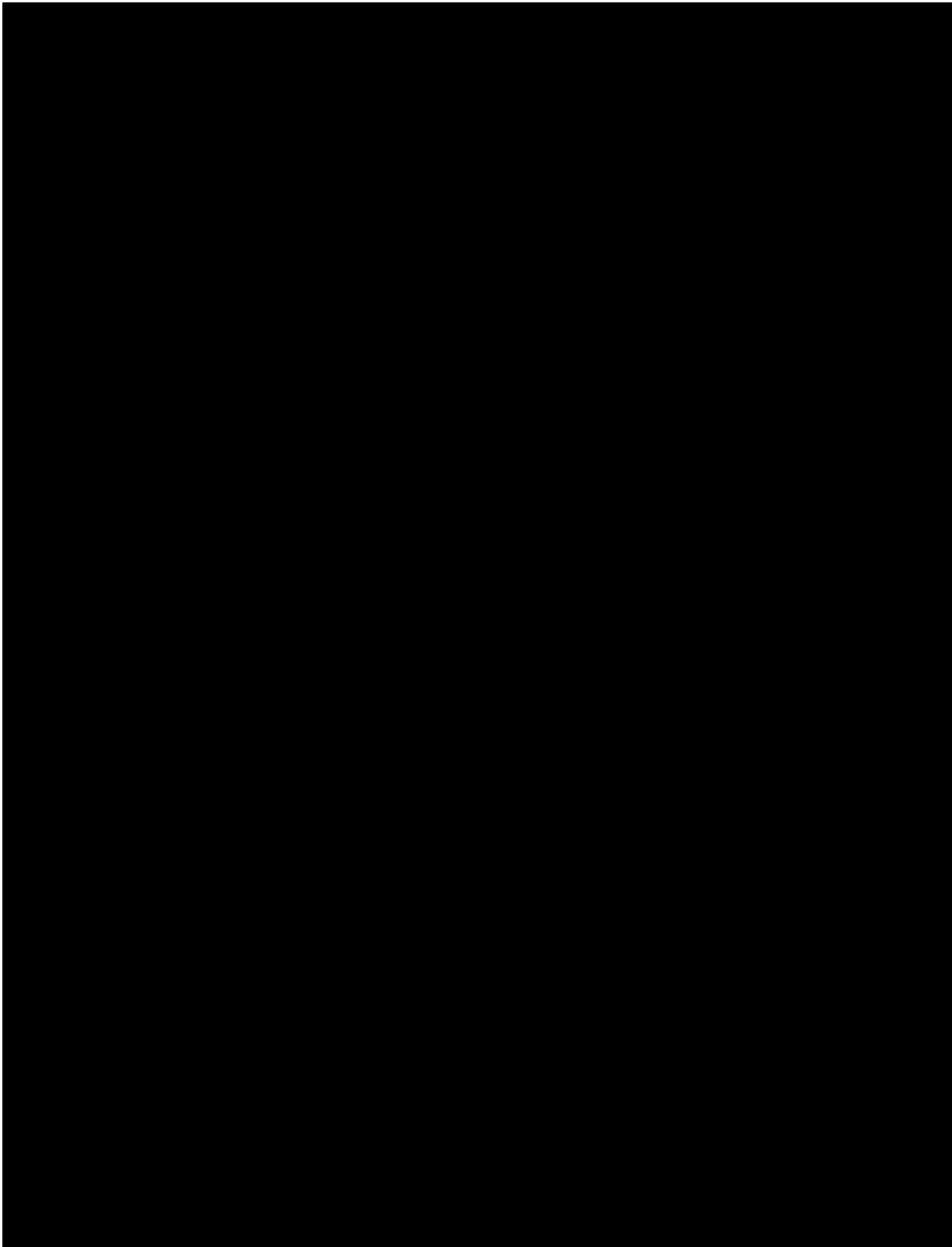














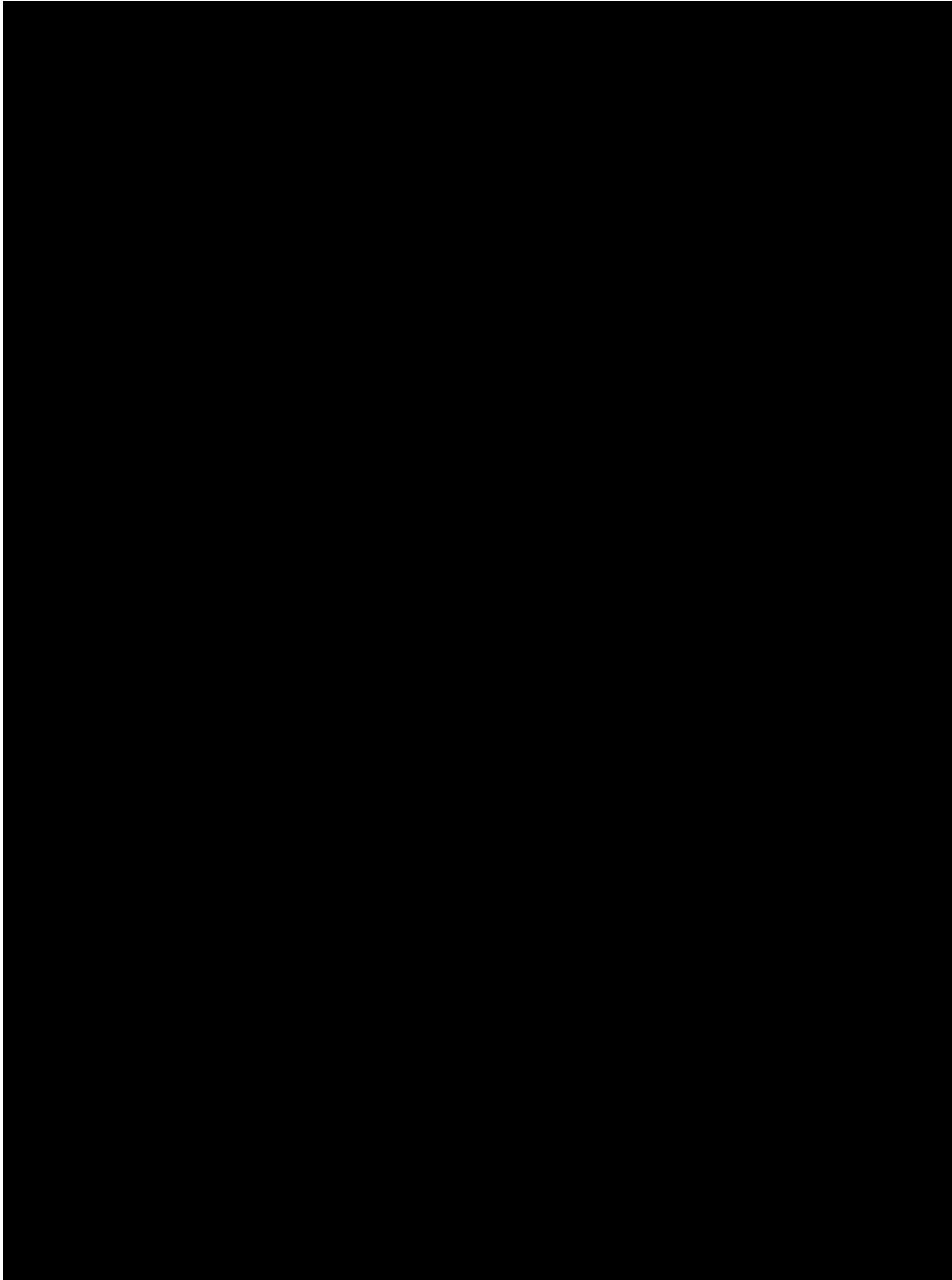
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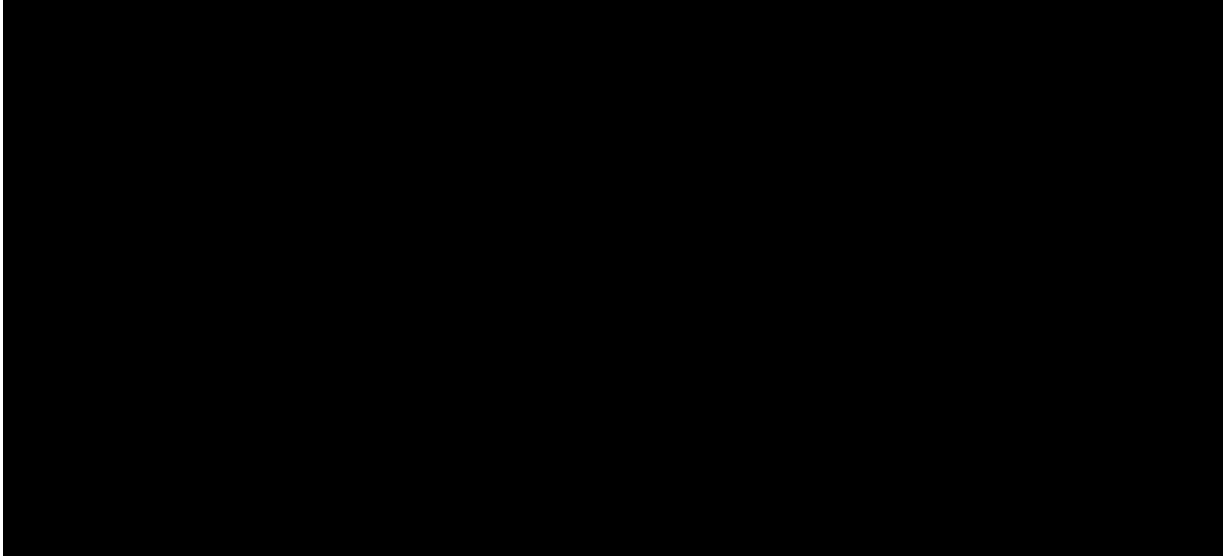
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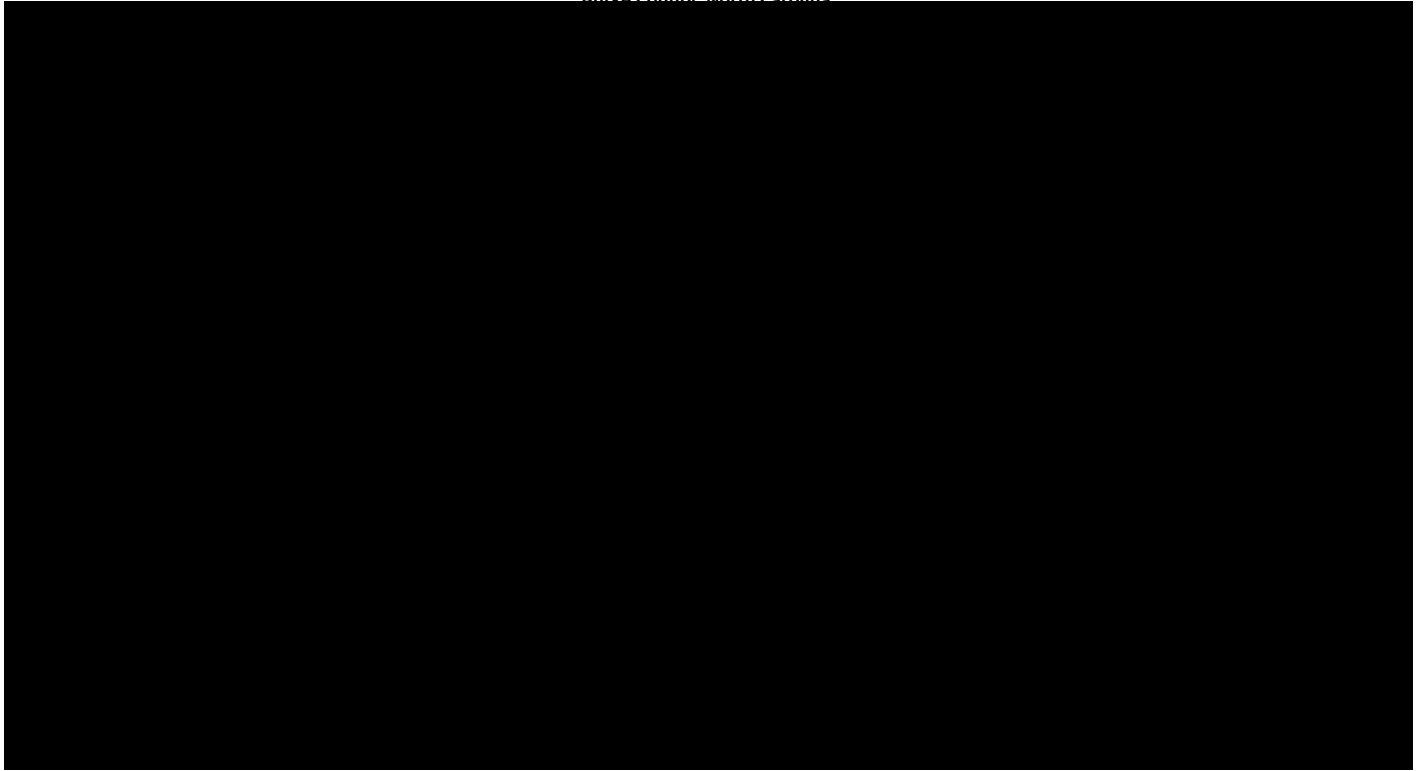
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PRELIMINARY OPINION OF PROBABLE COST  
Central States Water Resources, Inc.  
Pine Mountain POA Water System (5 Year Improvements)  
Burke County, North Carolina



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**PRELIMINARY OPINION OF PROBABLE COST**  
**Central States Water Resources, Inc.**  
**Pine Mountain POA Water System (10 Year Improvements)**  
**Burke County, North Carolina**



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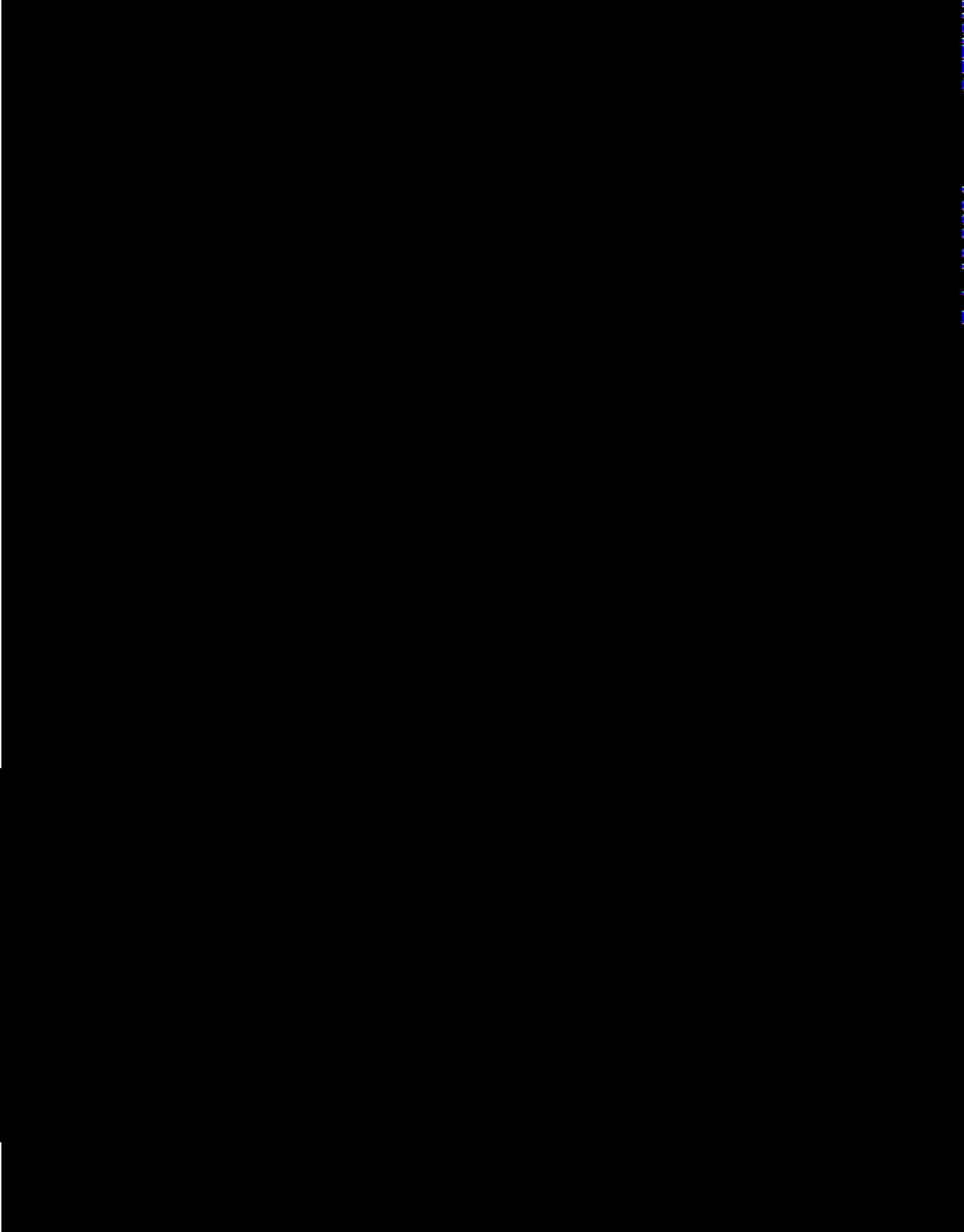
# Appendix A

## Facility Inspection Report

# WATER DISTRIBUTION SYSTEM INSPECTION REPORT

Water System: Pine Mountain POA

Inspection Date: 4/19/2021  
Reviewed by: NH/PC/DG



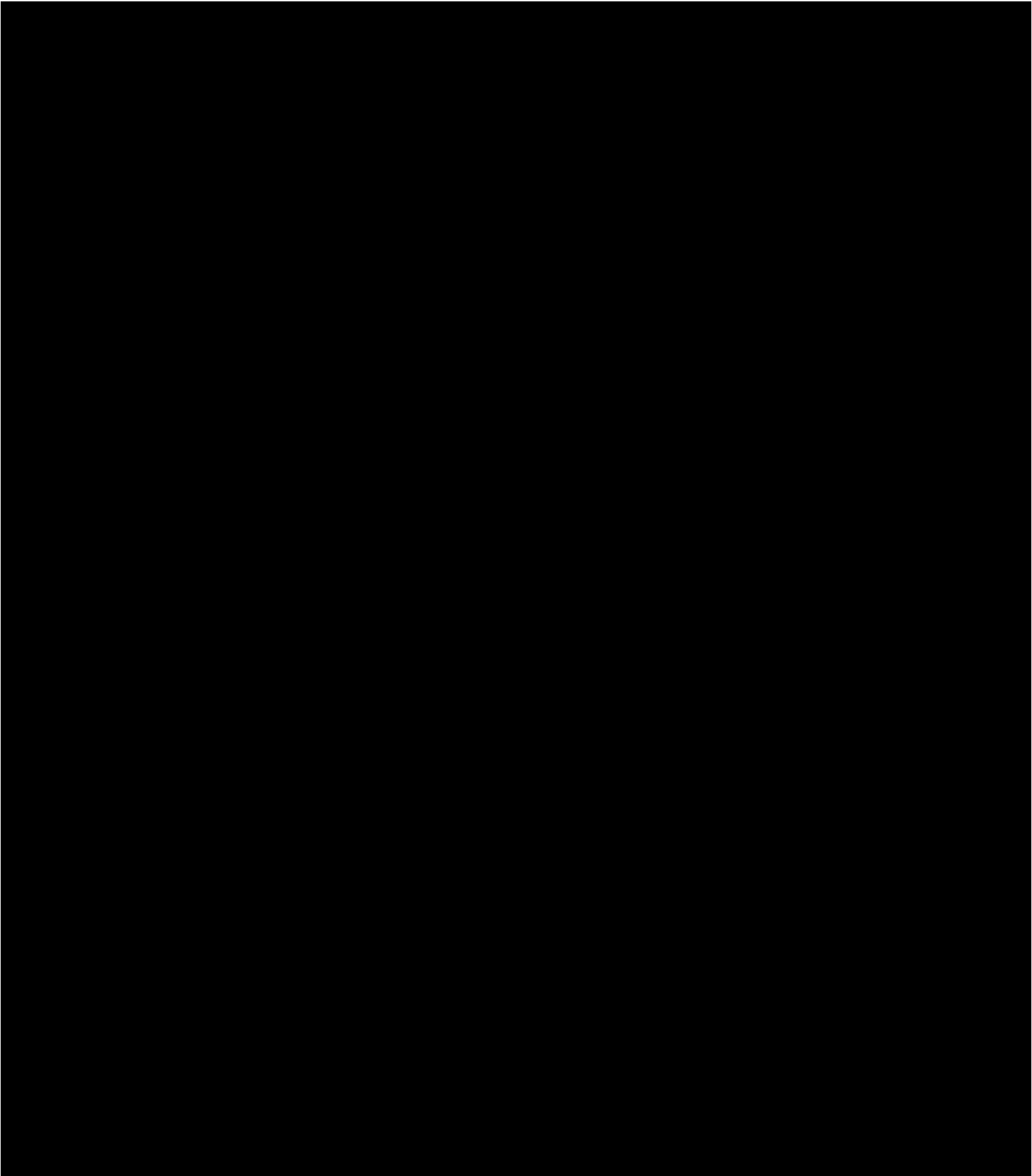
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# WATER DISTRIBUTION SYSTEM INSPECTION REPORT

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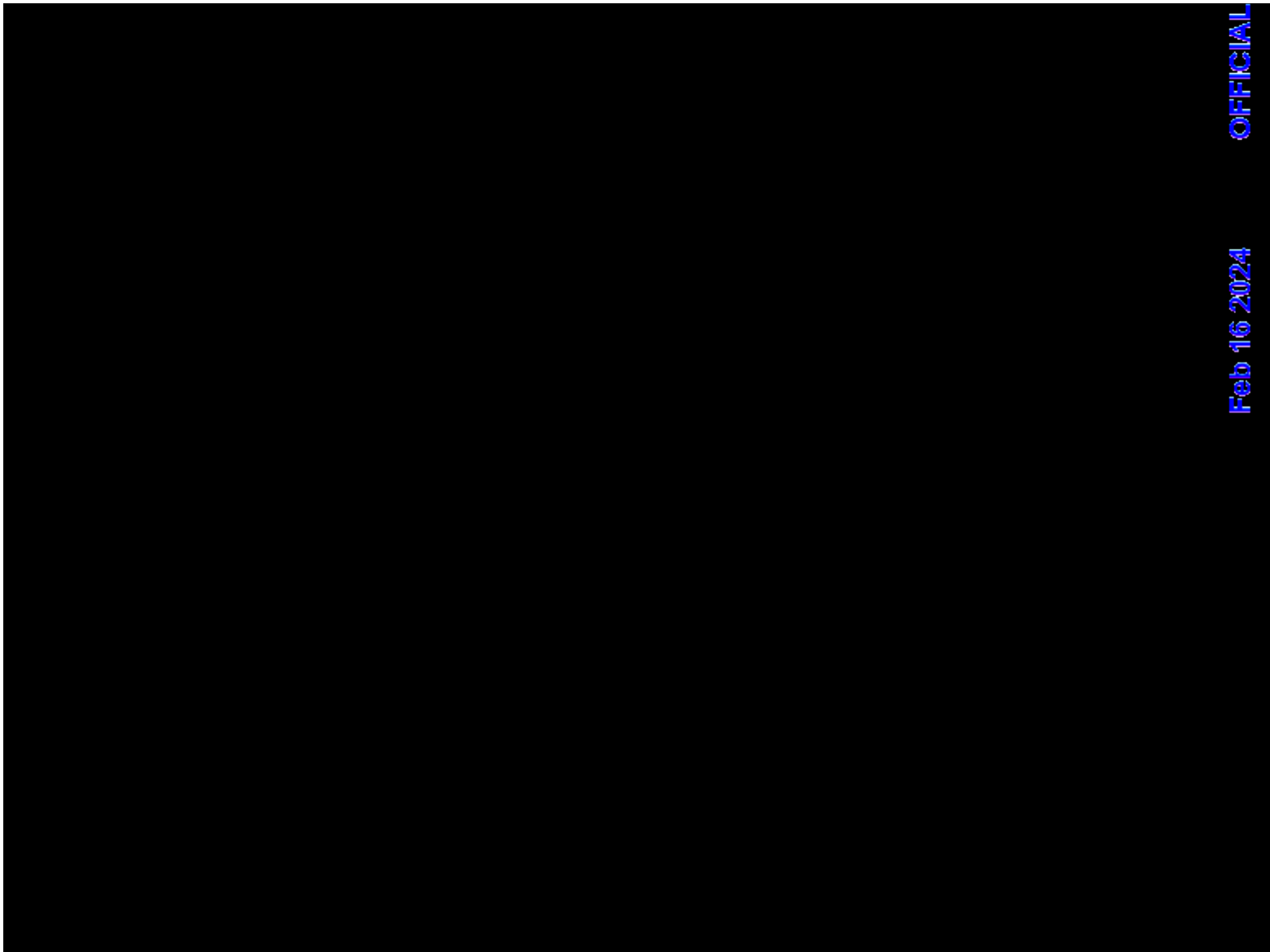
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# WATER DISTRIBUTION SYSTEM INSPECTION REPORT

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Inspection Date: 4/19/2021



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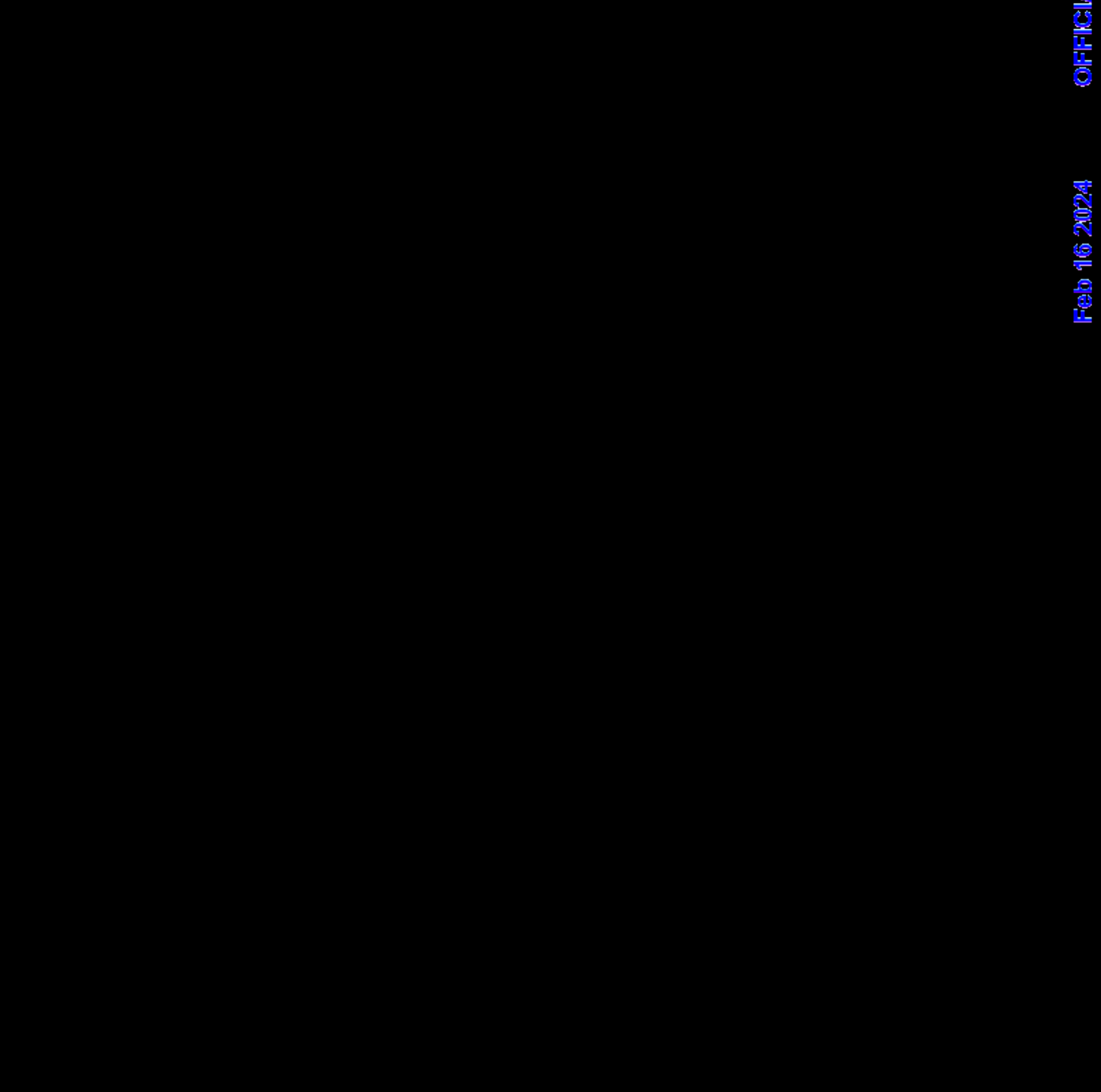
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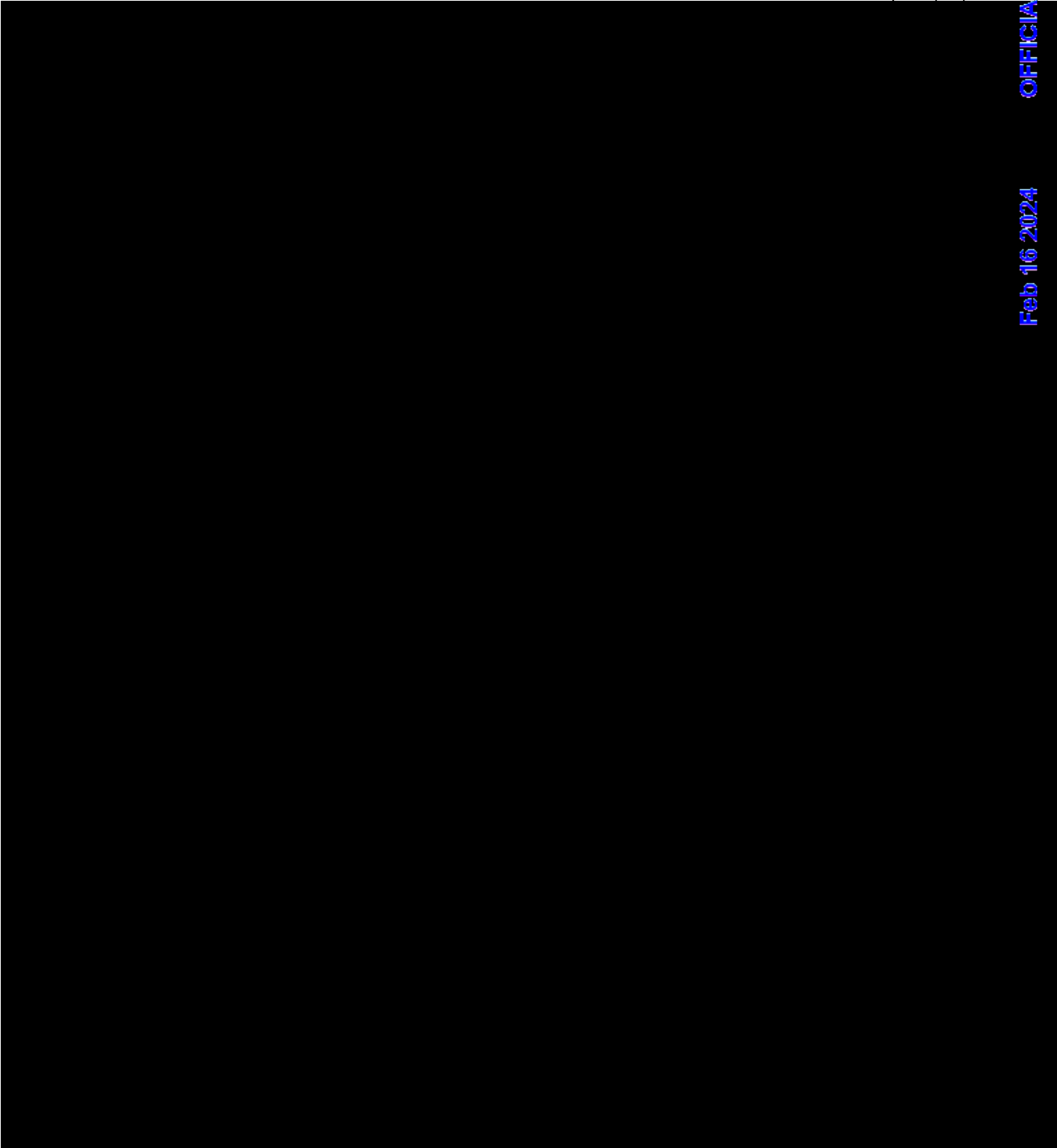
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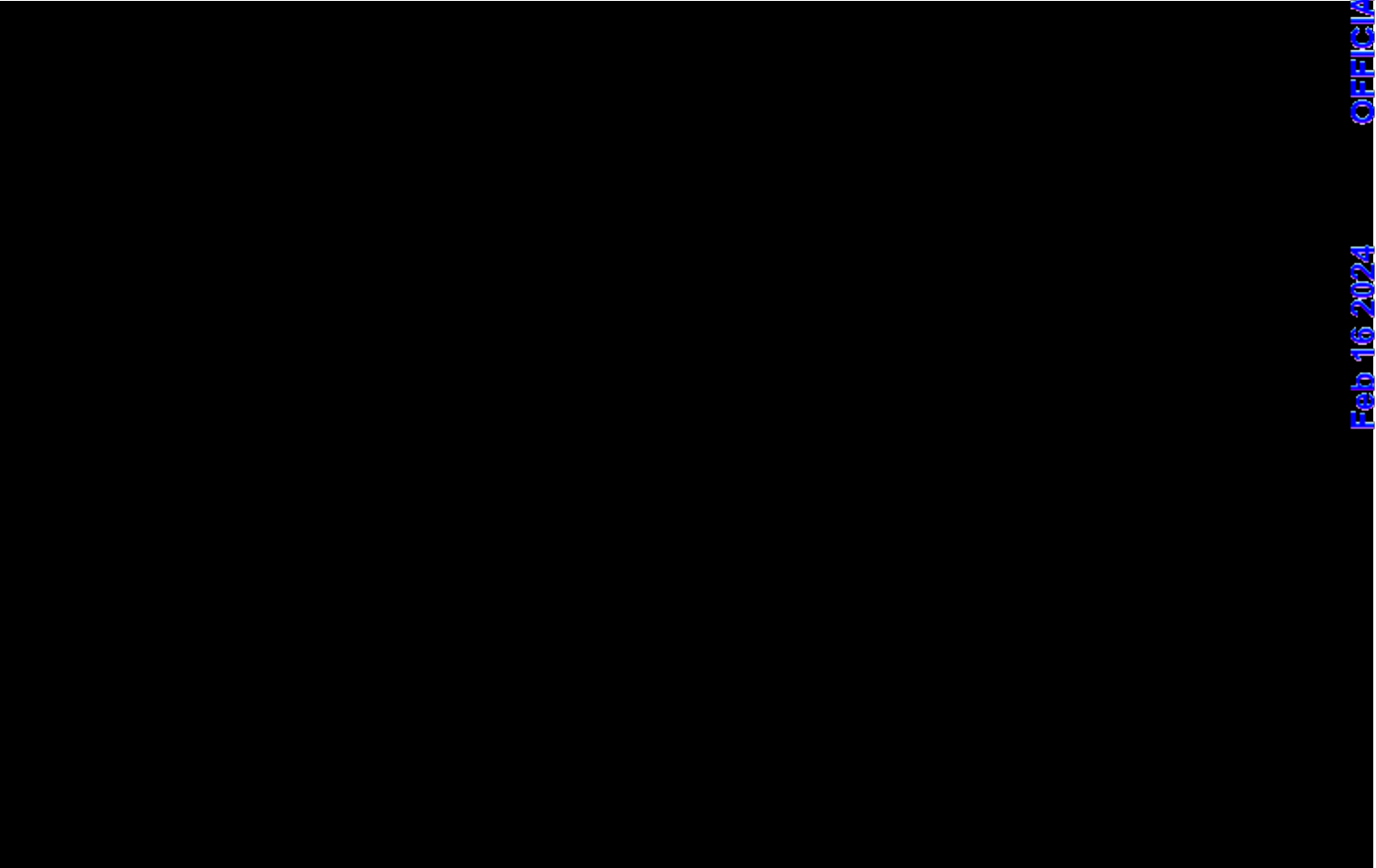
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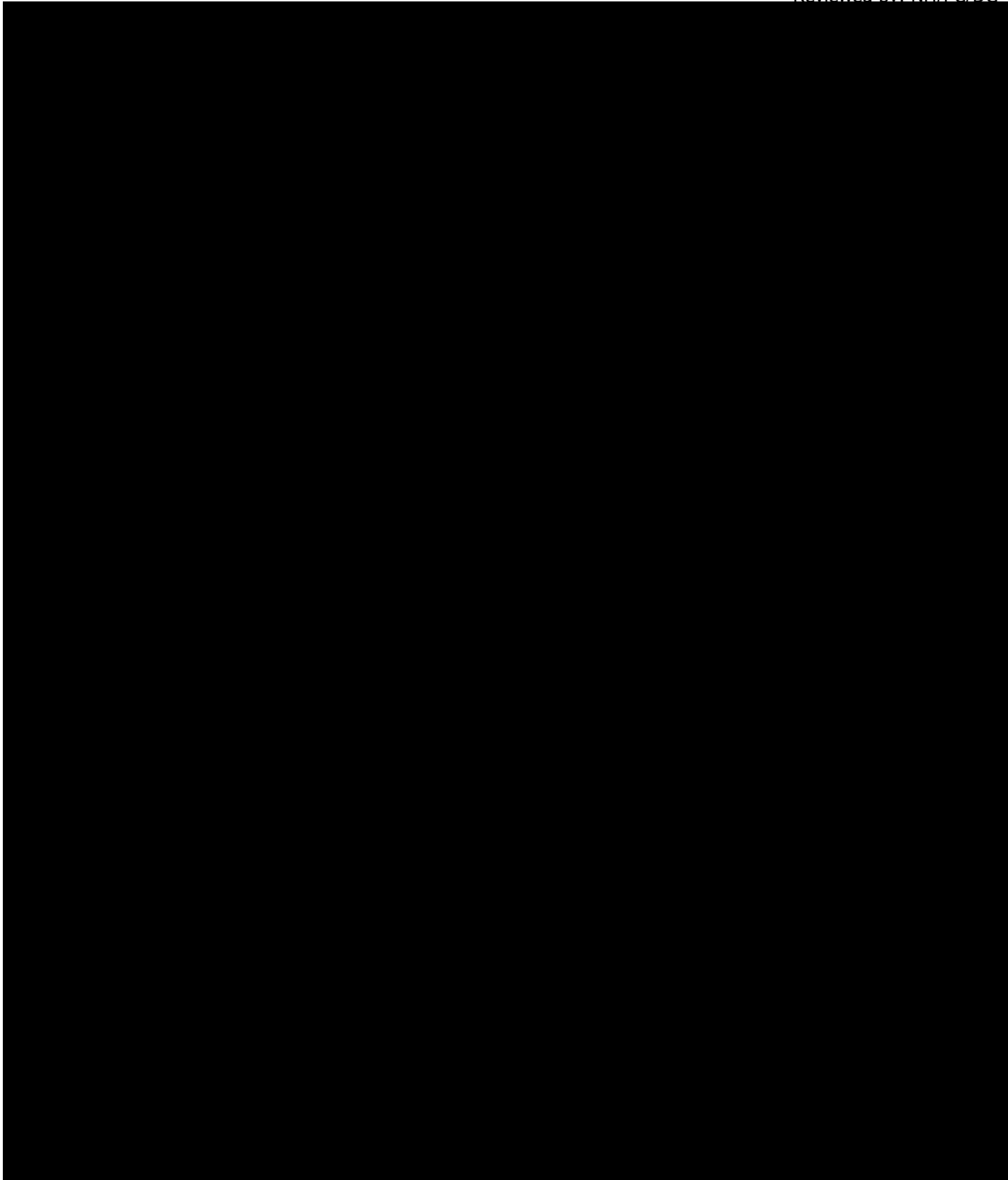


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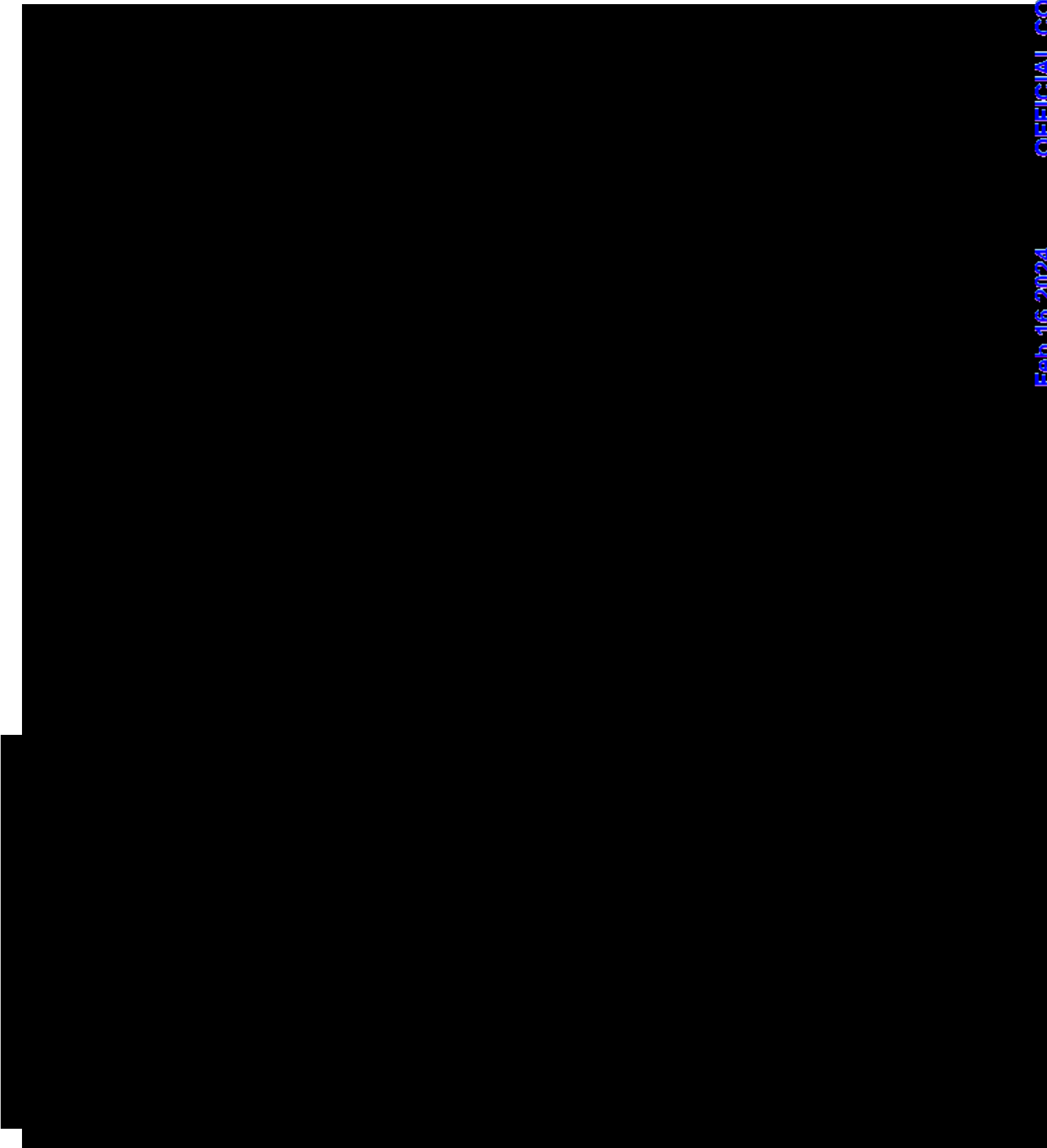
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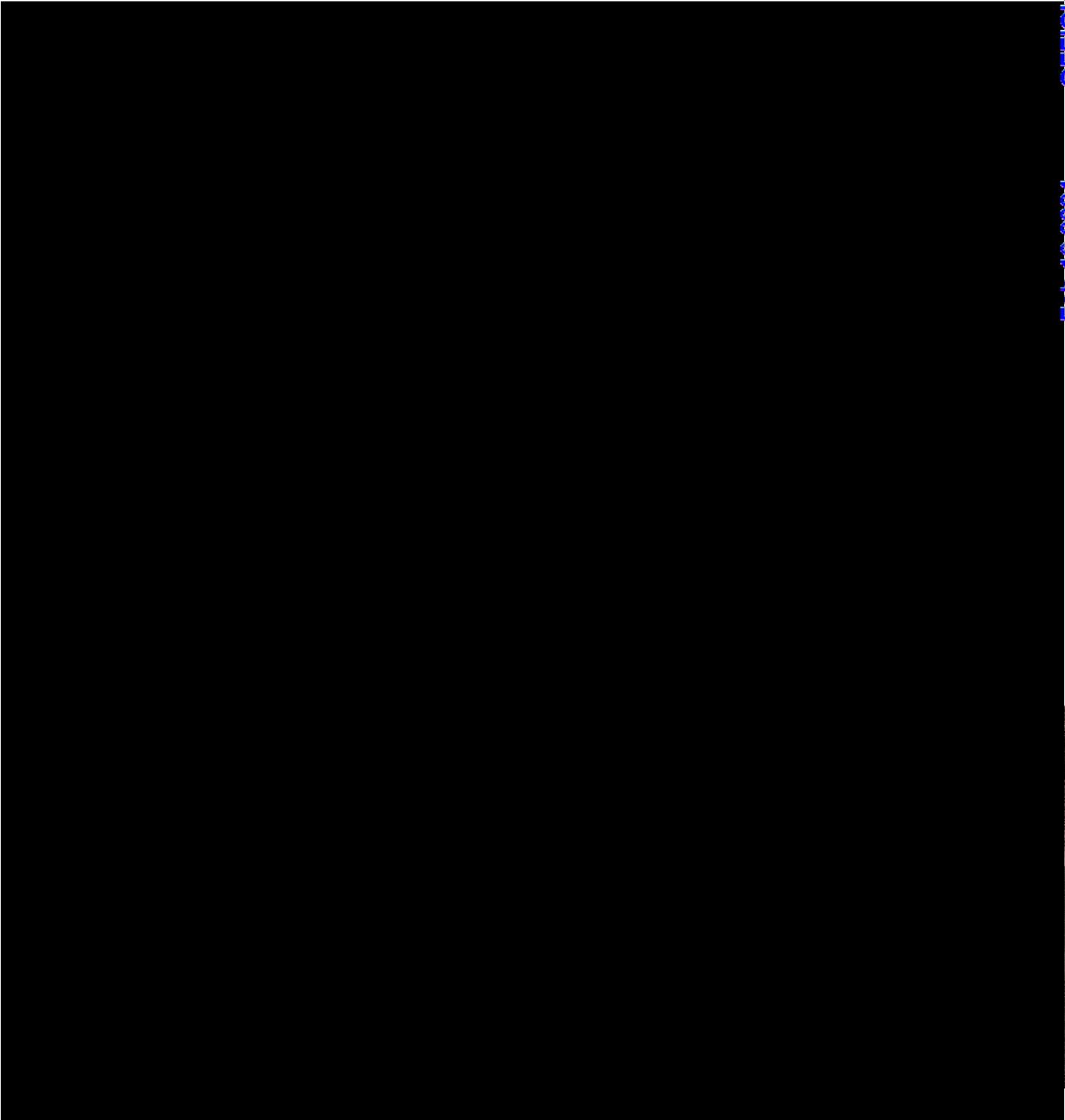
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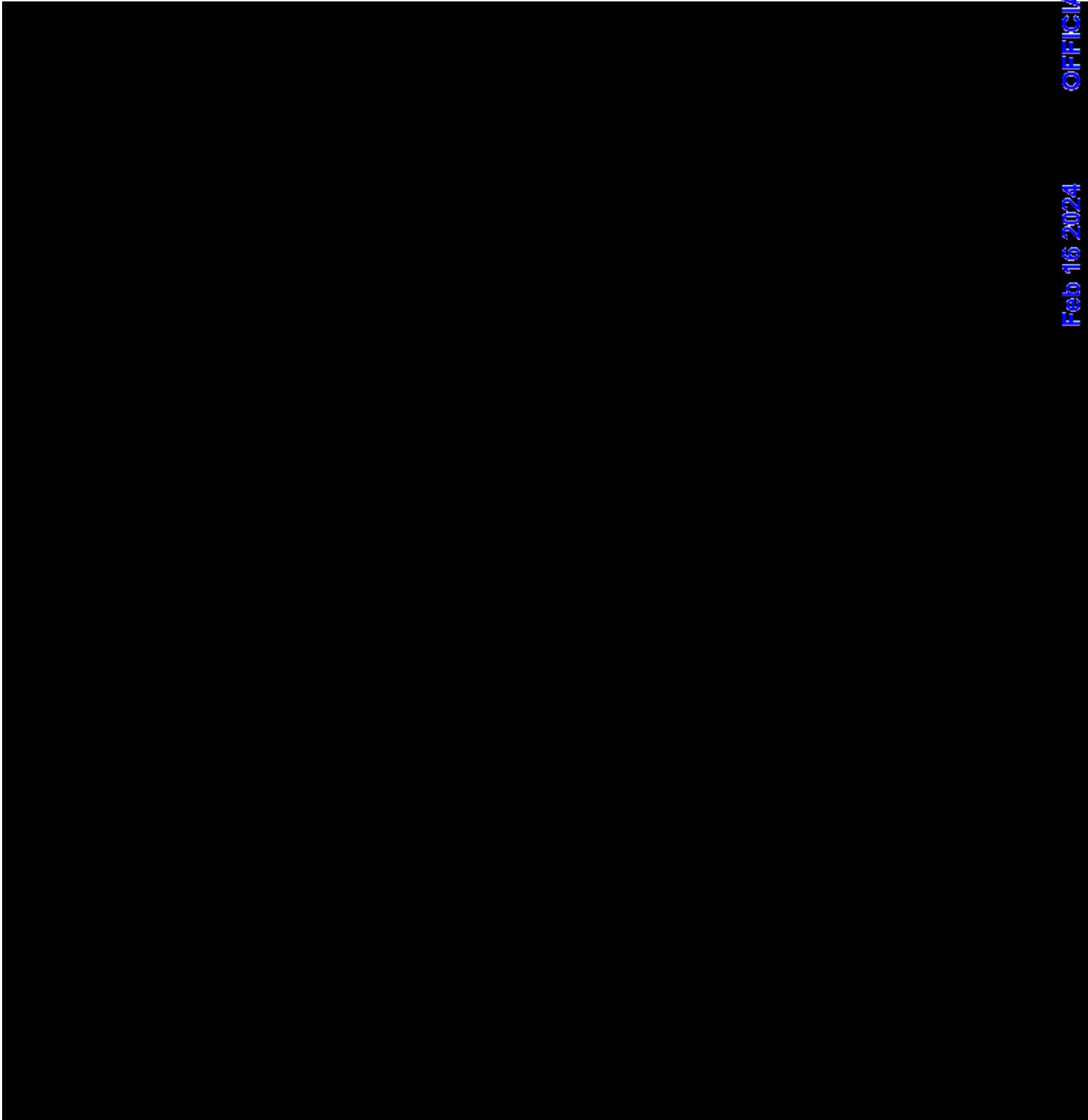
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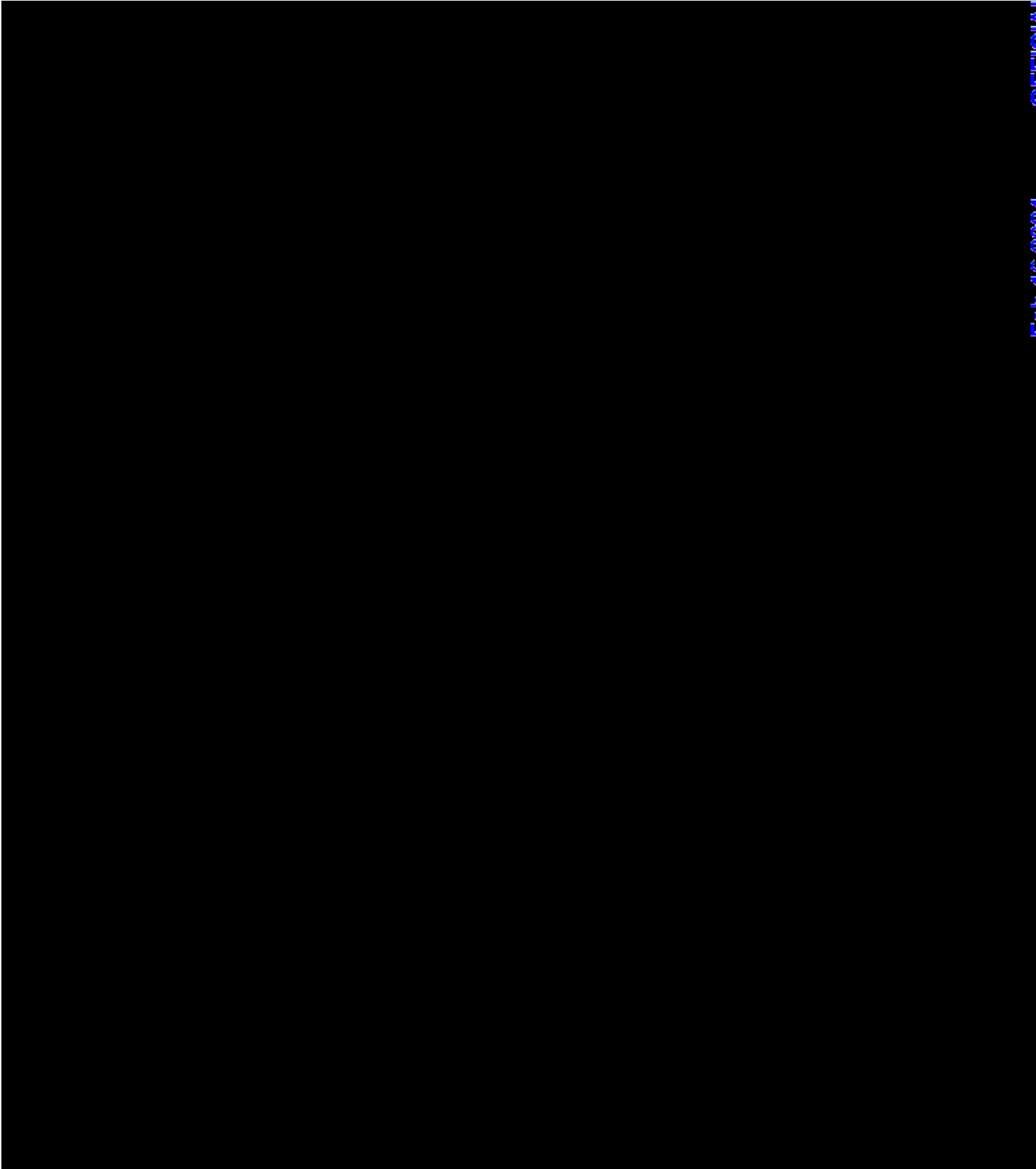
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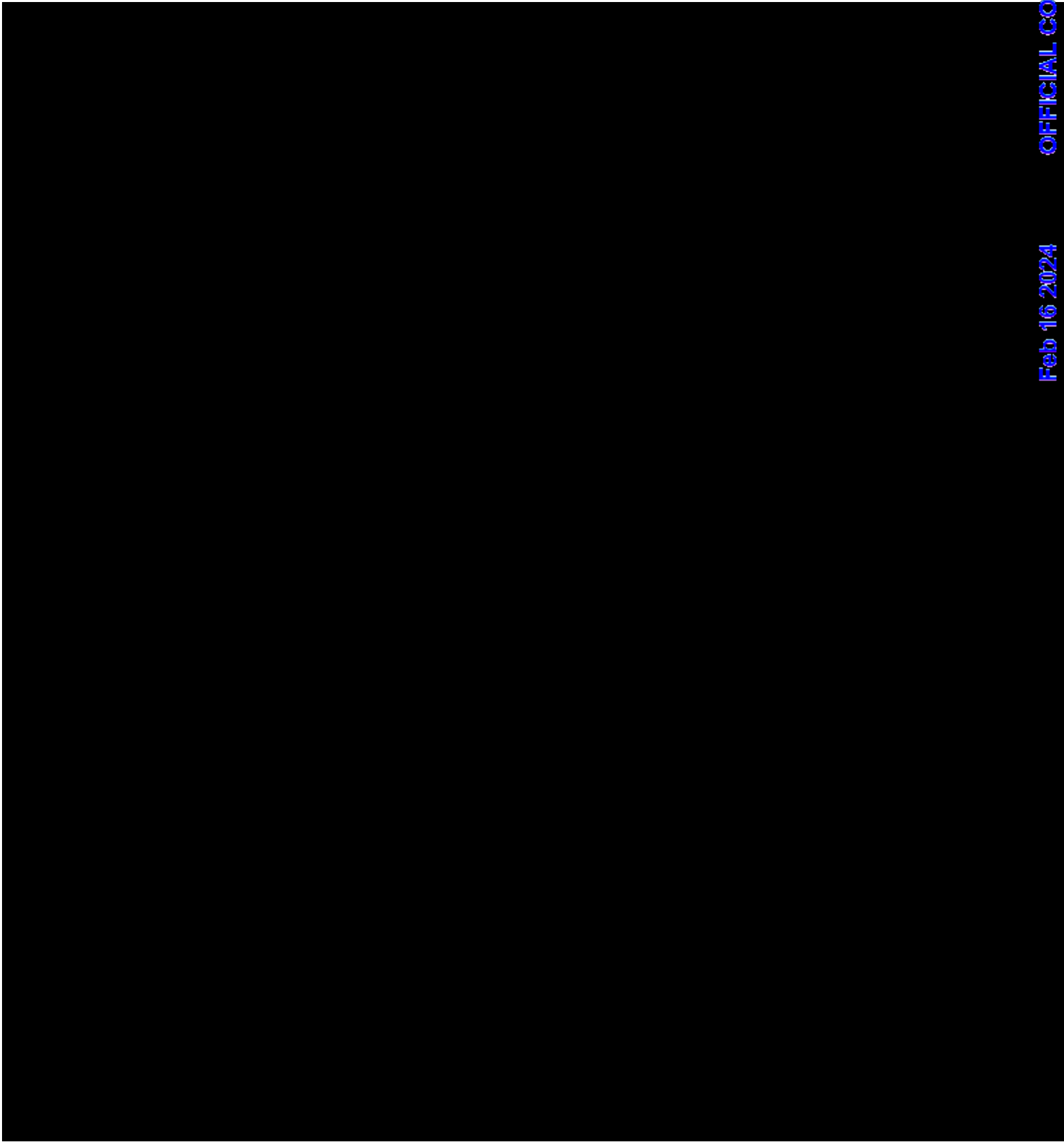


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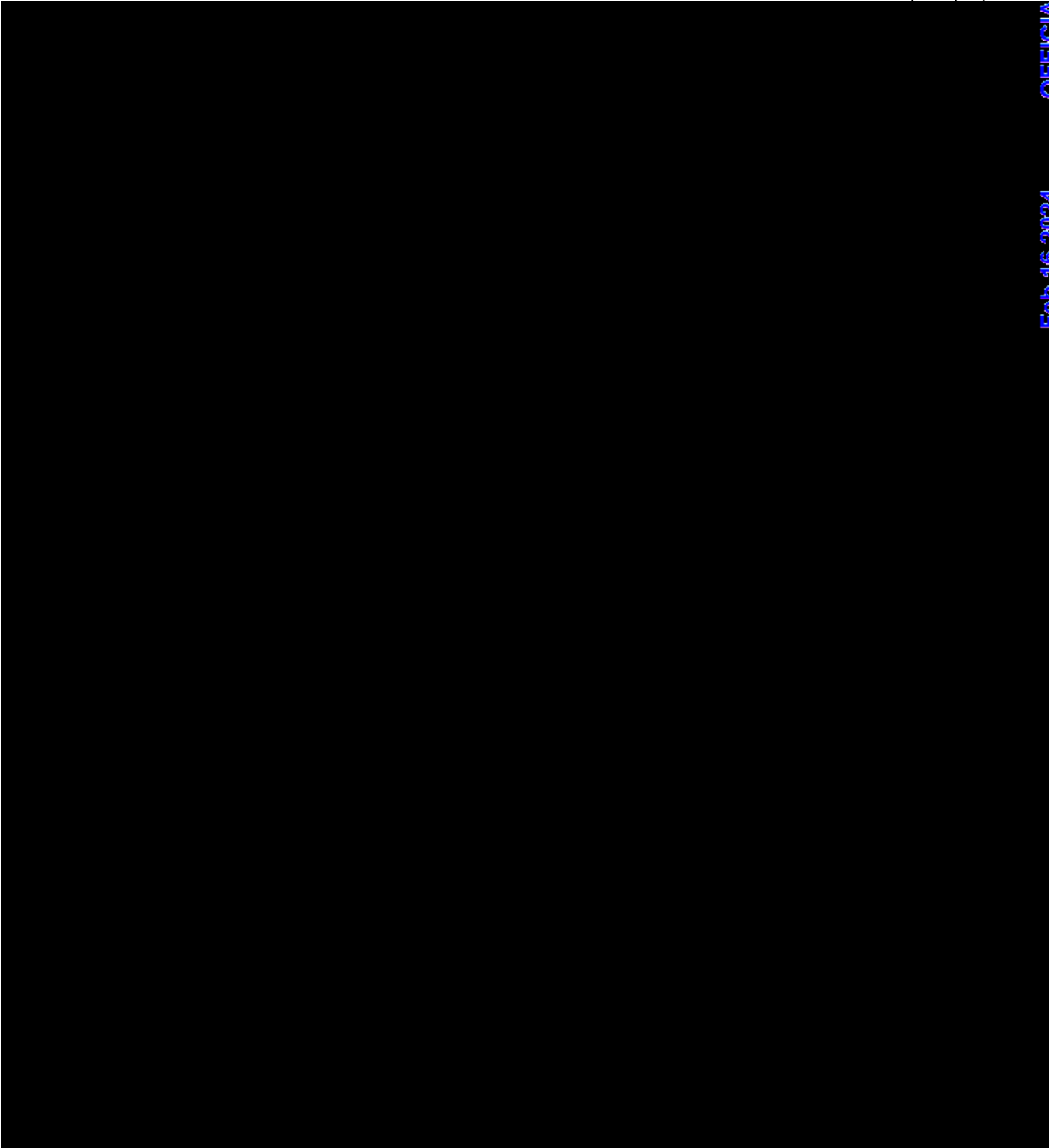
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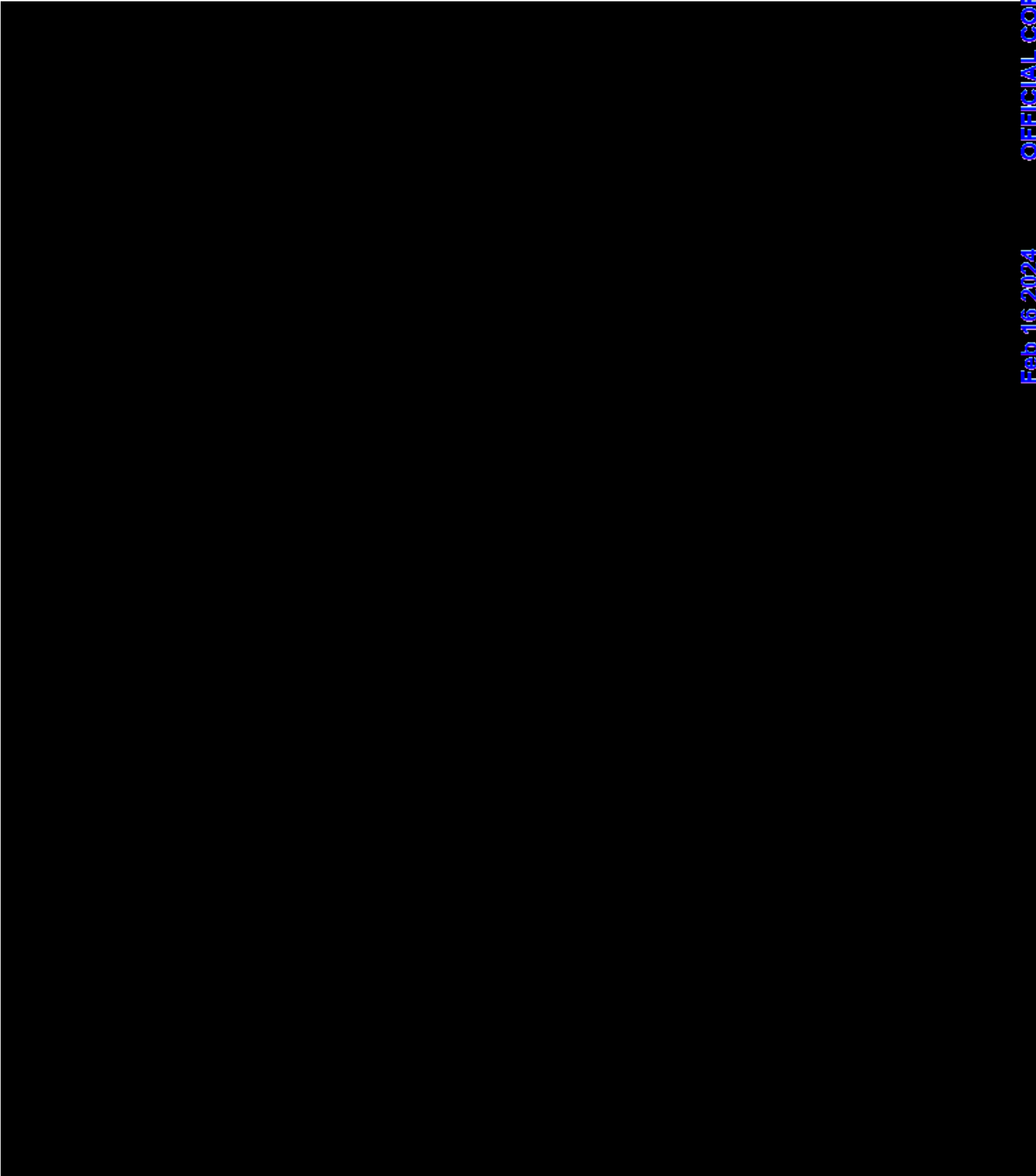


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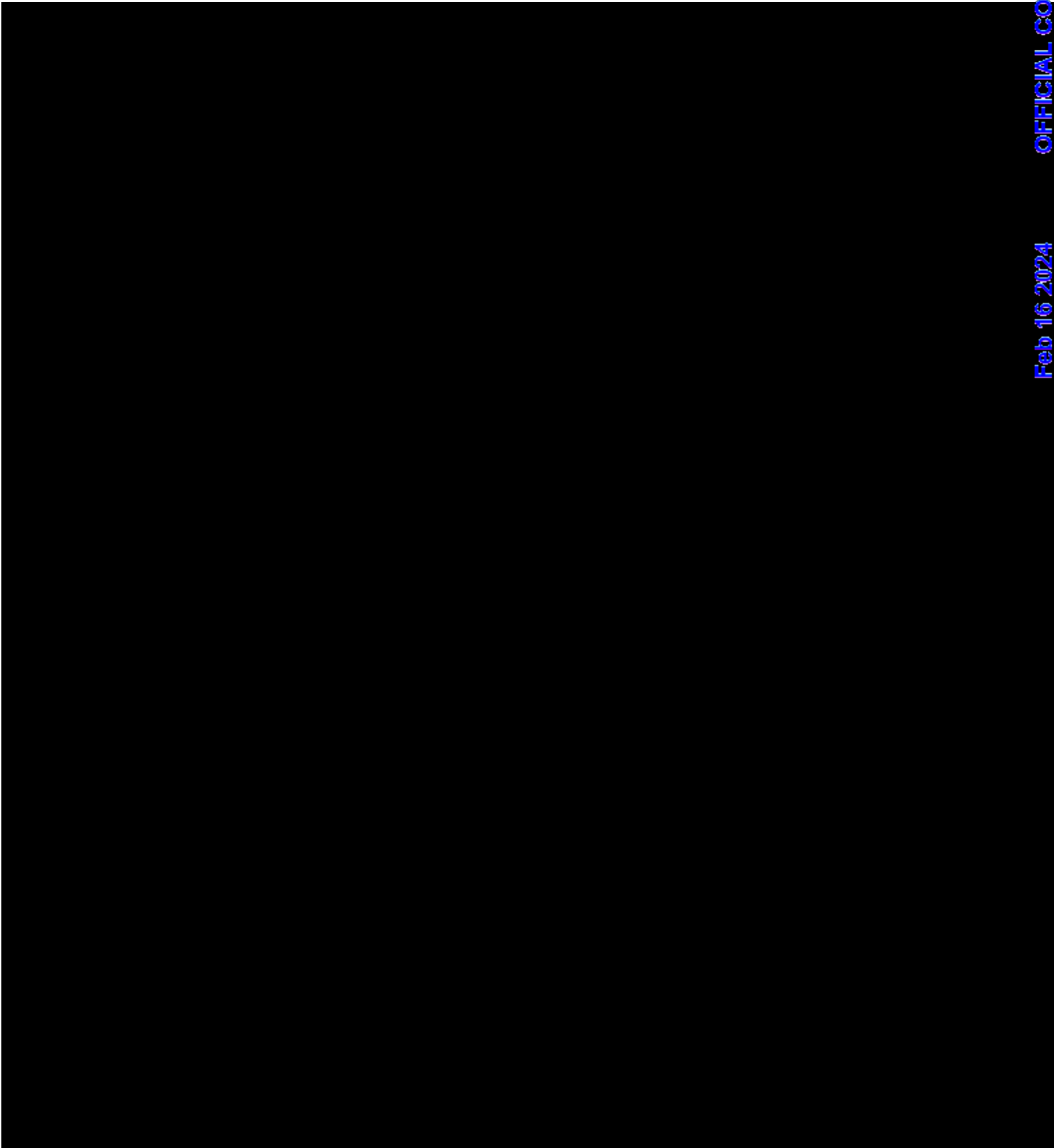
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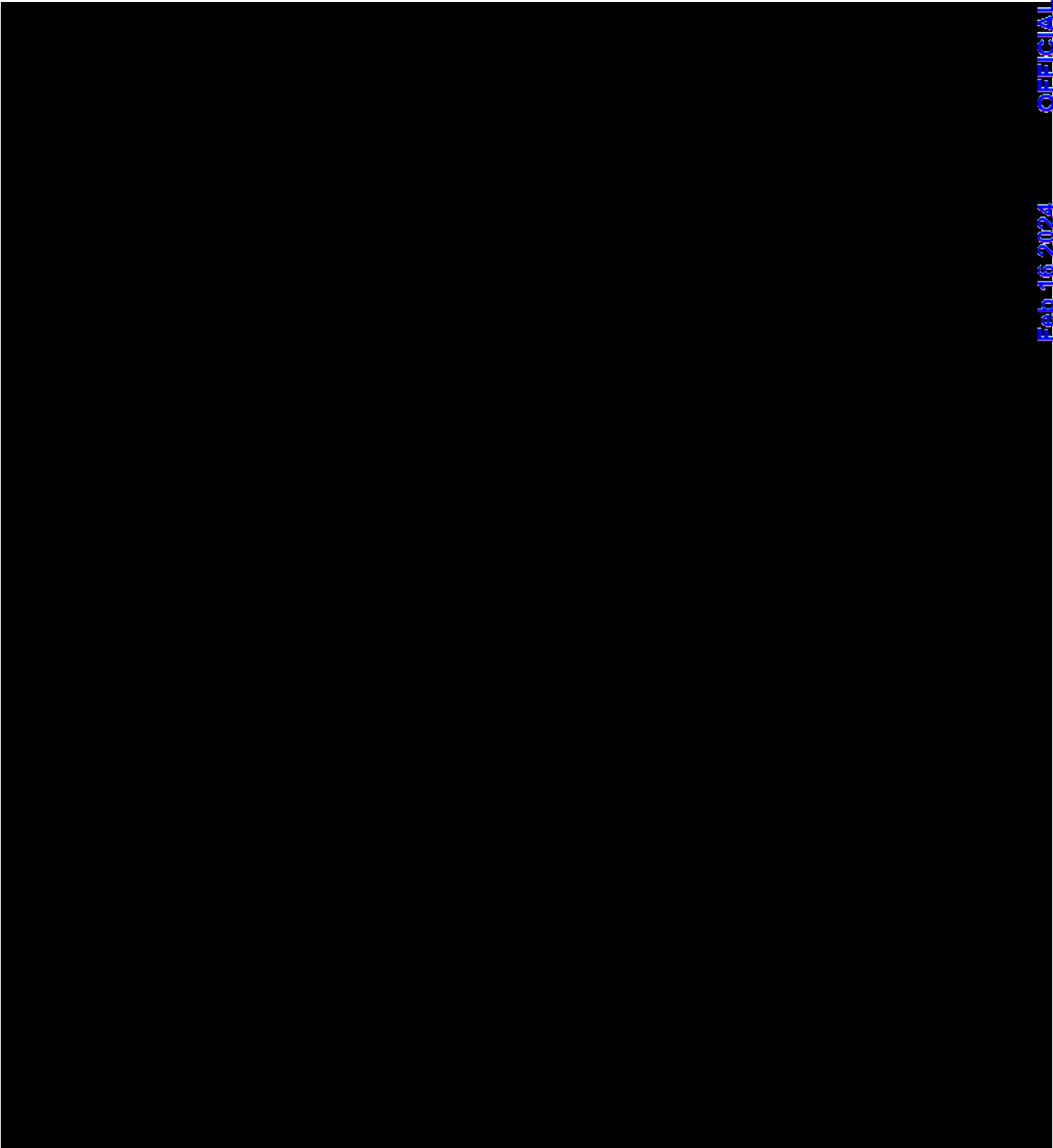
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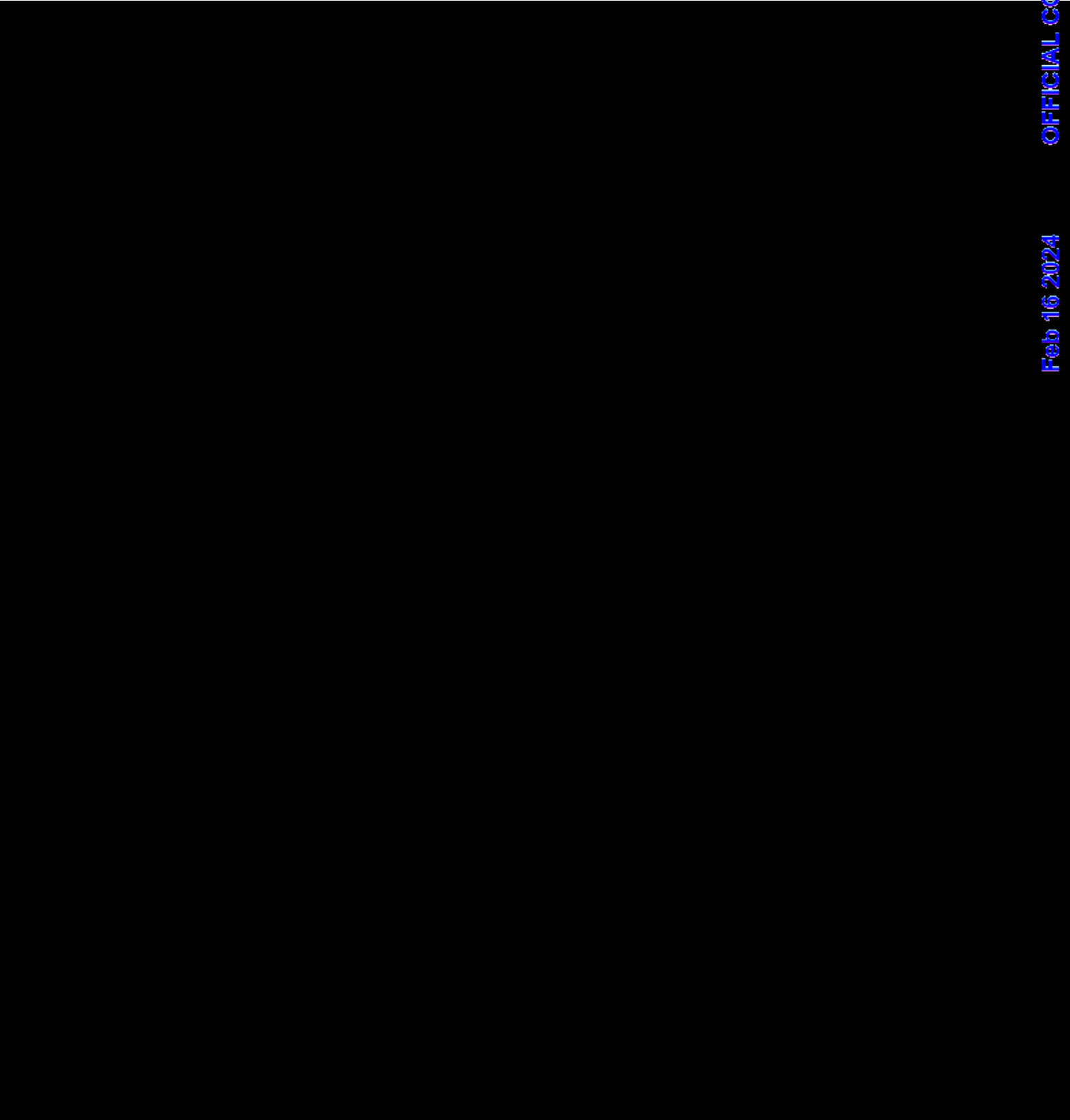
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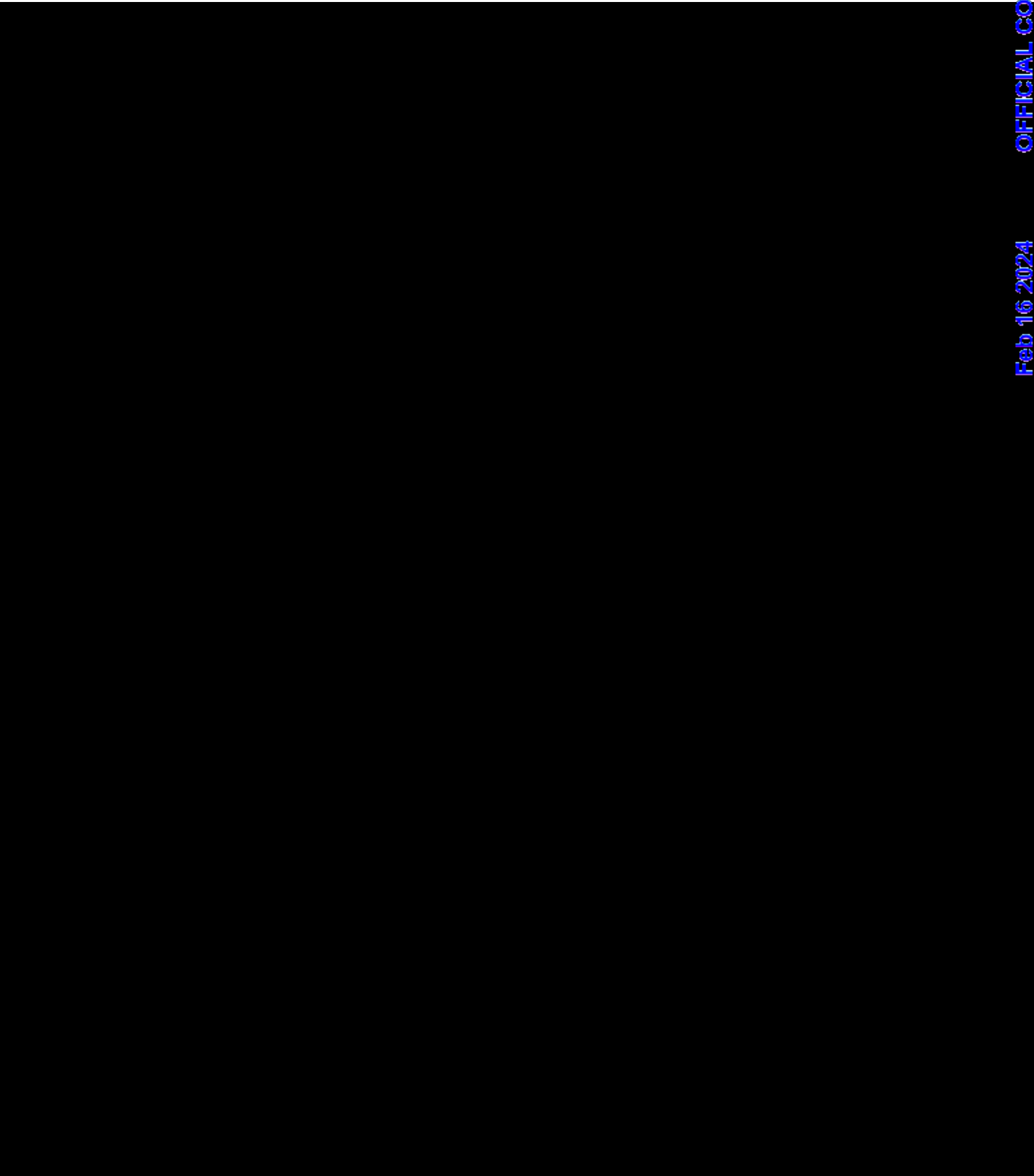
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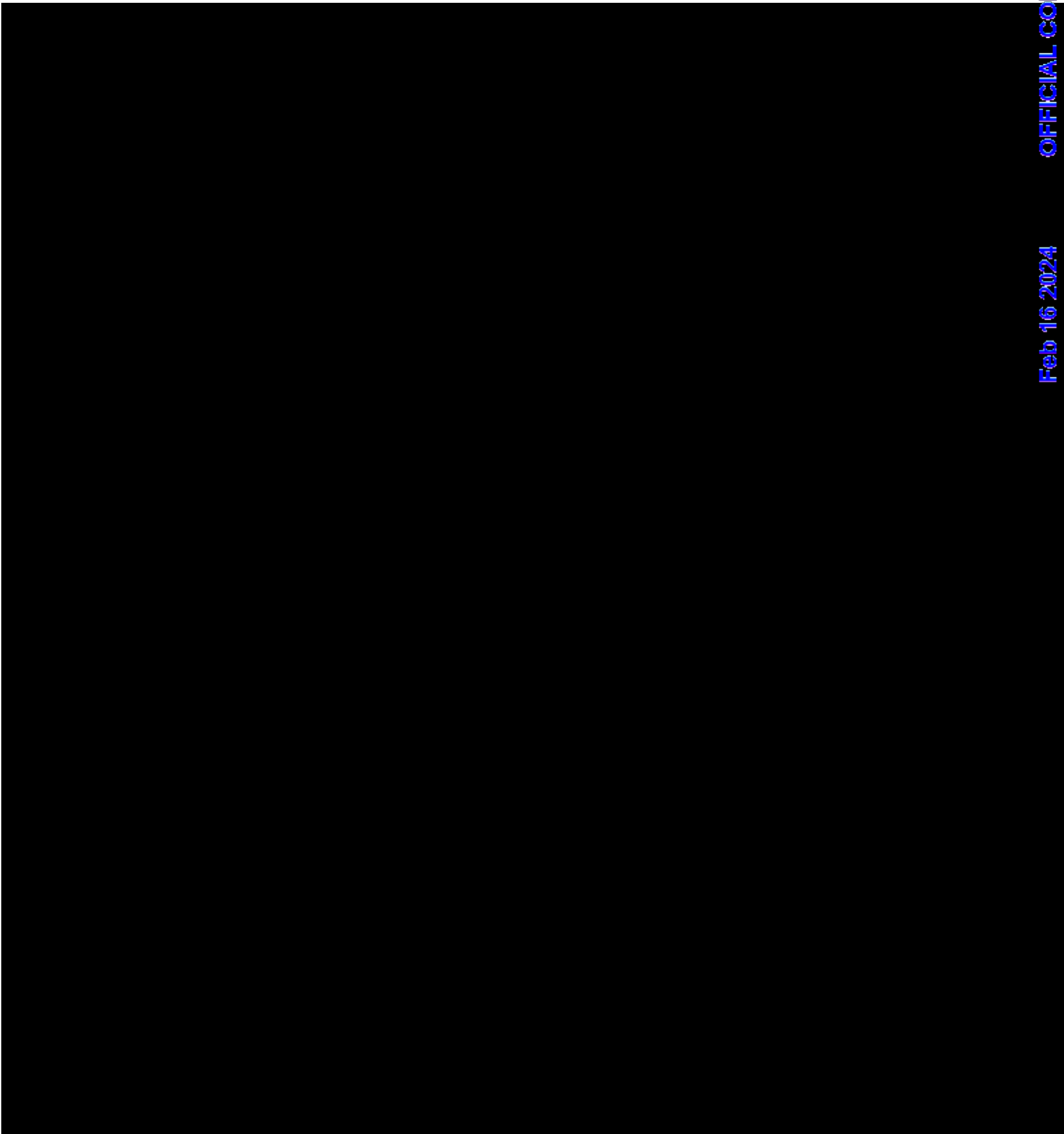
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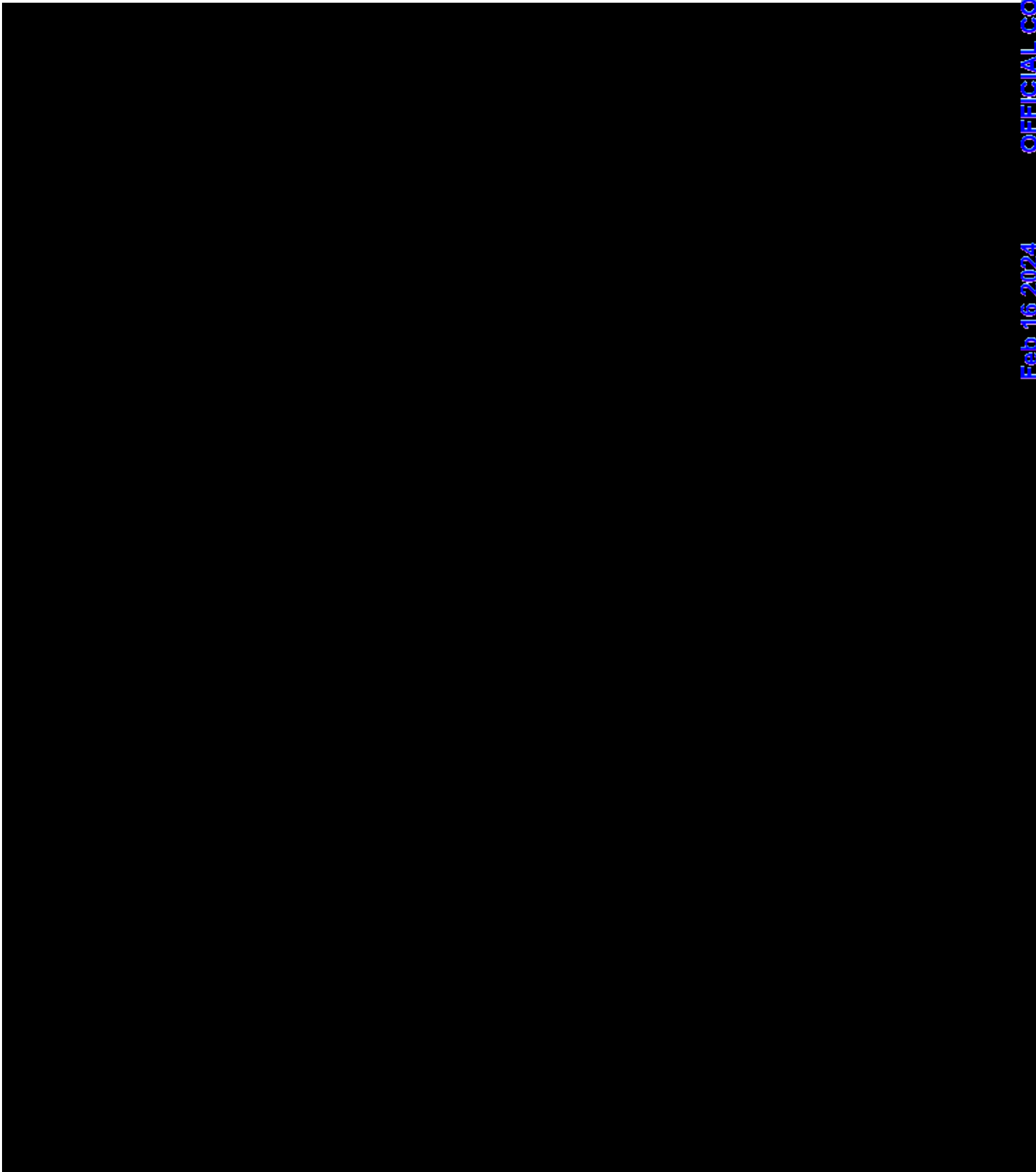
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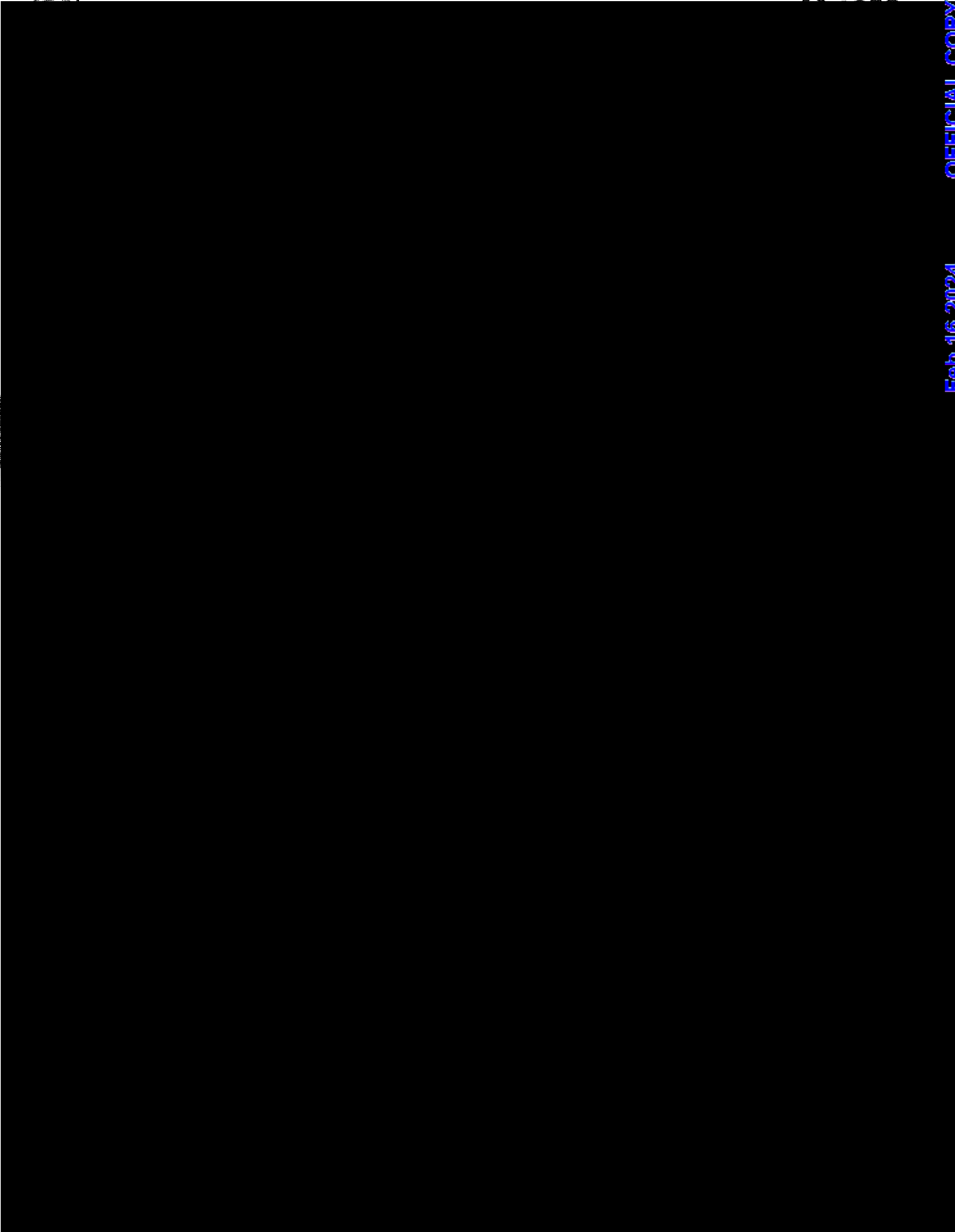
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## Appendix B

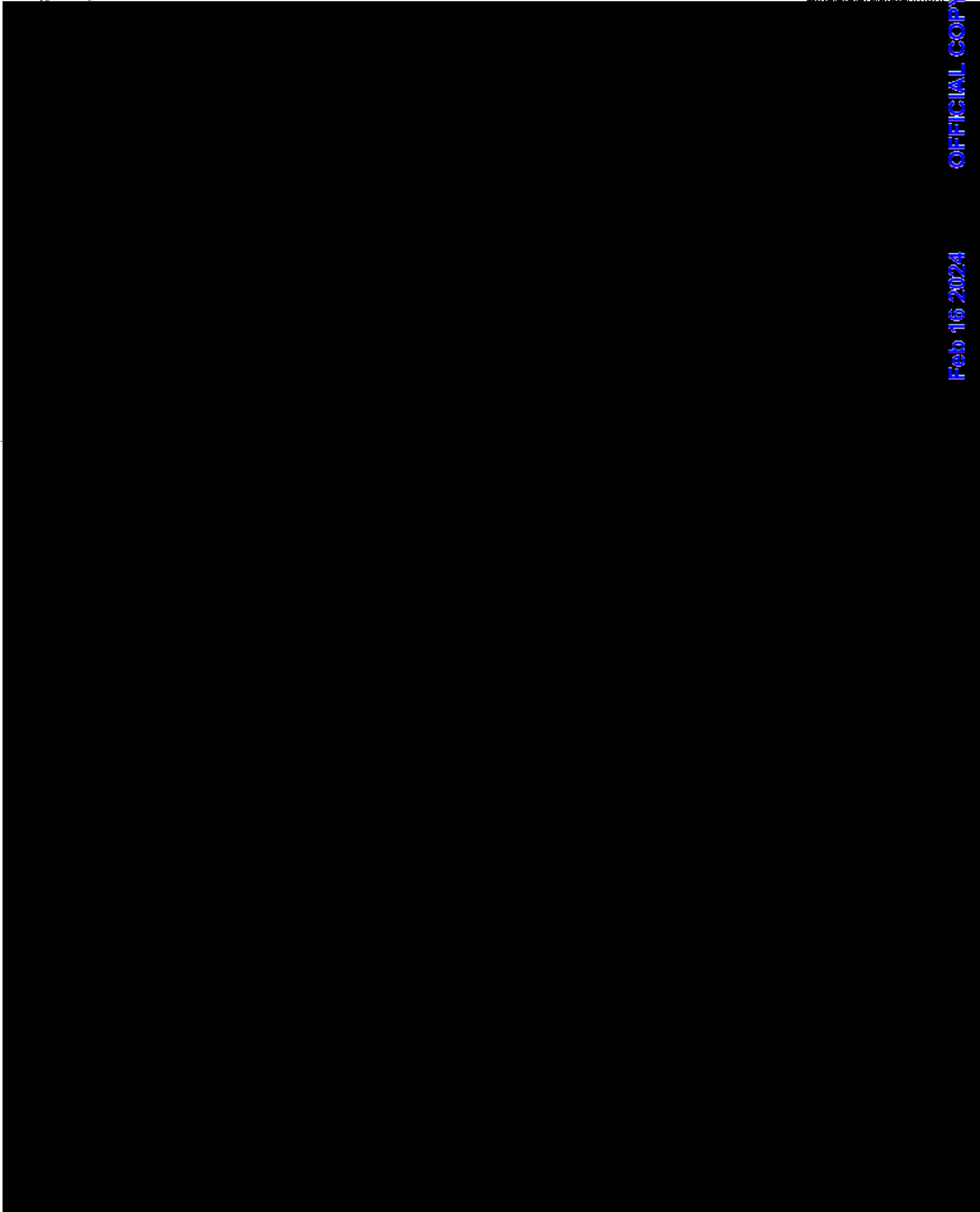
### Mission Communications System Quote

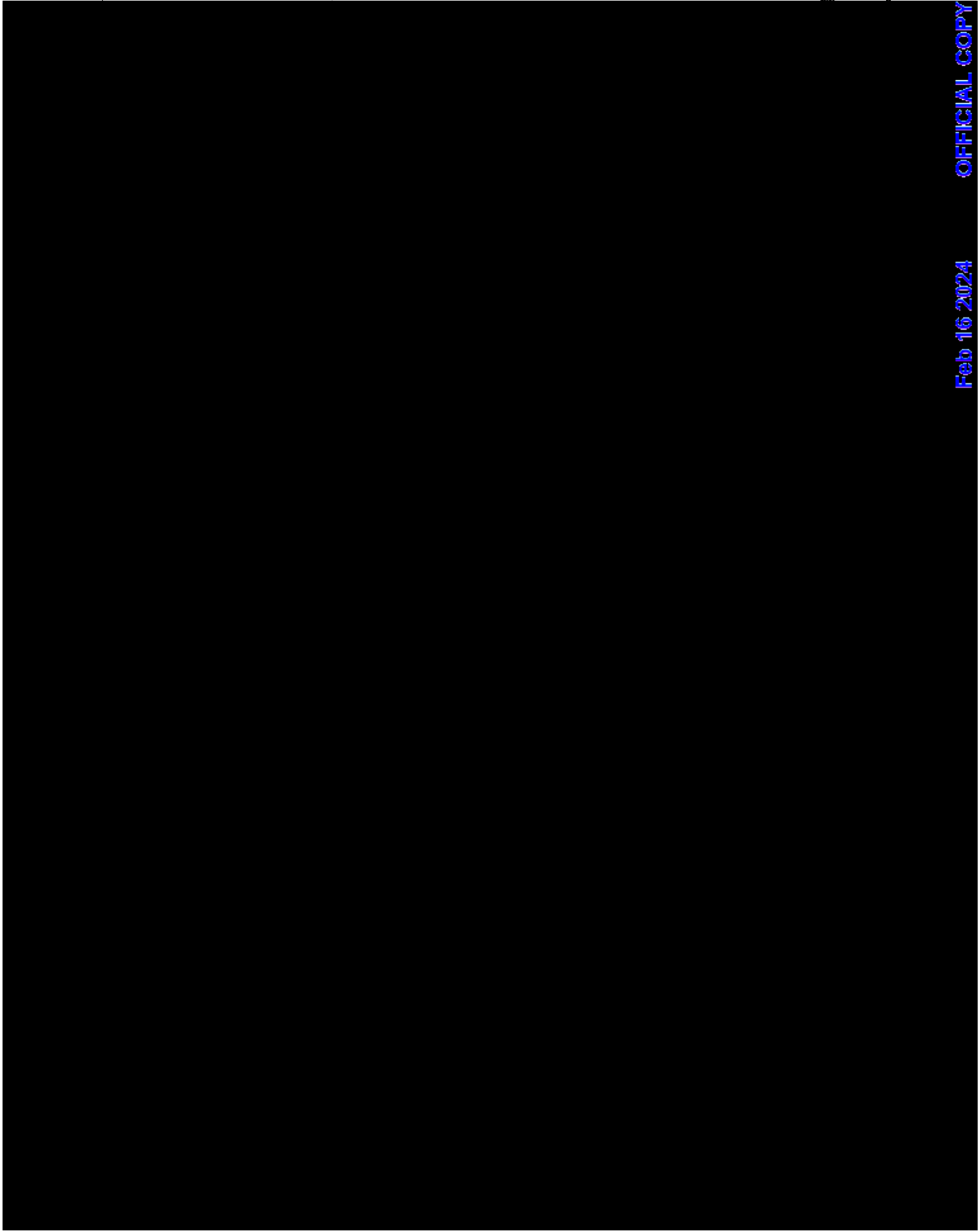




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## Appendix C

Complete System Component & Compliance Table  
from DWW

### Water System Detail Information

Water System No.:	NC0112133	Federal Type:	C
Water System Name:	PINE MOUNTAIN LAKES S/D	Federal Source:	GW
Principal County Served:	BURKE	System Status:	A
Principal City Served:	CONNELLY SPRINGS	Activity Date:	06-01-1977

#### Water System Contacts

Type	Contact	Communication	
AC - Administrative Contact	STITT, EDITH 2885 PINE MTN DRIVE CONNELLY SPRINGS, NC 28612	Phone Type	Value
		BUS - Business	828-437-4894
EC - Emergency Contact	STITT, EDITH 2885 PINE MTN DRIVE CONNELLY SPRINGS, NC 28612	Phone Type	Value
		BUS - Business	828-437-4894
OW - Owner	PINE MOUNTAIN POA INC 2885 PINE MOUNTAIN ROAD CONNELLY SPRING, NC 28612	Phone Type	Value
		BUS - Business	828-437-4894
PL - Physical Location Contact	NC0112133 - LOCATION 2885 PINE MTN DRI CONNELLY SPRINGS, NC 28612		

#### Annual Operating Period(s)

Eff. Begin Date	Eff. End Date	Start Month/Day	End Month/Day	Type	Population
12-01-2006	No End Date	1/1	12/31	R	475

#### Service Connection(s)

Type	Count	Meter Type	Meter Size
RS	100	UM	0

#### Service Area(s)

Code	Name
T	HOTEL/MOTEL
T	RECREATION AREA
R	RESIDENTIAL AREA
T	RESTAURANT

#### Water System Facilities

Fac. ID	Facility Name	Type Status Avail.	Unit Process Name		
			Treatment Objective Name	Treatment Process Name	
<a href="#">001</a>	WELL #1	WL - A - P			
<a href="#">002</a>	WELL #7	WL - A - P			
<a href="#">CH1</a>	COMMON HEADER	CH - A - P			
<a href="#">D01</a>	DISTRIBUTION SYSTEM	DS - A - P			
<a href="#">G03</a>	STORAGE_GROUND_3	ST - A - P			
<a href="#">H01</a>	STORAGE_HYDRO_1	ST - A - P			
<a href="#">P01</a>	TREATMENT_PLT_WELLS #1 & #7	TP - A - P	GENERIC UNIT	DISINFECTION	HYPOCHLORINATION, PRE
<a href="#">P03</a>	TREATMENT_PLT_WELL #3	TP - I - P	GENERIC UNIT	DISINFECTION	HYPOCHLORINATION, POST
<a href="#">W03</a>	WELL #3	WL - I - P			

#### Water System Facility Flows

Supplying Facility ID No.	Supplying Facility Name	Receiving Facility ID No.	Receiving Facility Name
WL - 001	WELL #1	CH - CH1	COMMON HEADER
WL - 002	WELL #7	CH - CH1	COMMON HEADER

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CH - CH1	COMMON HEADER	TP - P01	TREATMENT_PLT_WELLS #1 & #7
TP - P01	TREATMENT_PLT_WELLS #1 & #7	DS - D01	DISTRIBUTION SYSTEM

**Water Purchases**

Water System No.	Water System Name	Water Finish
------------------	-------------------	--------------

No Water Purchases

**Buyers of Water**

Water System No.	Name
------------------	------

No Buyers

**Routine TCR Sample Schedules**

Begin Date	End Date	Requirements
01-01-1991	Continuous	1 RT/MN

**Repeat TCR Sample Schedules**

Begin Date	End Date	Requirements	Original Sample ID/Date
------------	----------	--------------	-------------------------

No Repeat TCR Schedules

**Group Non-TCR Sample Schedules**

Facility	Begin/End Date	Init MP Begin Dt	Seasonal	State Year	Req.	Code	Analyte Group Name
<a href="#">D01</a>	12-31-2019 12-31-2022	01-01-2020		0	1 RT/9Y	CASB	CDS FOR ASBESTOS
<a href="#">D01</a>	01-01-2017 Continuous	01-01-2017	8/1- 8/31	1	1 RT/3Y	CDBP	CDS FOR DBP
<a href="#">D01</a>	06-01-2023 09-30-2023	01-01-2023	6/1- 9/30	1	5 RT/3Y	CL90	CDS FOR LEAD COPPER
<a href="#">P01</a>	01-01-2005 Continuous	01-01-2005		0	1 RT/3Y	CIOC	CDS FOR INORGANICS
<a href="#">P01</a>	01-01-2005 Continuous	01-01-2005		0	1 RT/3Y	CIOS	CDS FOR SECONDARIES
<a href="#">P01</a>	01-01-2005 Continuous	01-01-2005		0	1 RT/YR	CNO3	CDS FOR NITRATE
<a href="#">P01</a>	01-01-2008 Continuous	01-01-2008		0	1 RT/6Y	CRAD	CDS FOR RADS
<a href="#">P01</a>	01-01-2005 Continuous	01-01-2005		0	1 RT/3Y	CSOC	CDS FOR SOC
<a href="#">P01</a>	01-01-2005 Continuous	01-01-2005		0	1 RT/3Y	CVOC	CDS FOR VOC

**Individual Non-TCR Sample Schedules**

Facility	Begin/End Date	Init MP Begin Dt	Seasonal	State Year	Req.	Code	Analyte Name
----------	----------------	------------------	----------	------------	------	------	--------------

**Group Violations**

Fed. Fiscal Year	Det. Date	Viol. Type	Viol. Name	An. Group	An. Group Name
<a href="#">2002</a>	08-13-2002	MR	STATE - MONITORING AND REPORTING	CSOC	CDS FOR SOC

**Individual Violations**

Viol. No.	Det. Date	Viol. Type	Viol. Name	An. Code	An. Name
<a href="#">1994-43394</a>	07-15-1994	MR	STATE - MONITORING AND REPORTING	4000	GROSS ALPHA, EXCL. RADON & U

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<a href="#">1991-1191</a>	03-08-1991	03	MONITORING, ROUTINE MAJOR	1015	CADMIUM
<a href="#">1991-1891</a>	03-08-1991	03	MONITORING, ROUTINE MAJOR	1020	CHROMIUM
<a href="#">1991-1291</a>	03-08-1991	03	MONITORING, ROUTINE MAJOR	1025	FLUORIDE
<a href="#">1991-1791</a>	03-08-1991	03	MONITORING, ROUTINE MAJOR	1030	LEAD
<a href="#">1991-1691</a>	03-08-1991	03	MONITORING, ROUTINE MAJOR	1035	MERCURY
<a href="#">1991-1391</a>	03-08-1991	03	MONITORING, ROUTINE MAJOR	1040	NITRATE
<a href="#">1991-1491</a>	03-08-1991	03	MONITORING, ROUTINE MAJOR	1050	SILVER
<a href="#">1991-1591</a>	03-08-1991	03	MONITORING, ROUTINE MAJOR	1045	SELENIUM
<a href="#">1991-1991</a>	03-08-1991	03	MONITORING, ROUTINE MAJOR	1010	BARIUM
<a href="#">1989-989</a>	11-30-1988	03	MONITORING, ROUTINE MAJOR	3000	COLIFORM (PRE-TCR)
<a href="#">1987-887</a>	08-31-1987	03	MONITORING, ROUTINE MAJOR	3000	COLIFORM (PRE-TCR)
<a href="#">1987-787</a>	06-30-1987	03	MONITORING, ROUTINE MAJOR	3000	COLIFORM (PRE-TCR)
<a href="#">1986-686</a>	04-18-1987	03	MONITORING, ROUTINE MAJOR	4000	GROSS ALPHA, EXCL. RADON & U
<a href="#">1984-584</a>	09-30-1984	03	MONITORING, ROUTINE MAJOR	3000	COLIFORM (PRE-TCR)
<a href="#">1983-483</a>	07-31-1983	03	MONITORING, ROUTINE MAJOR	3000	COLIFORM (PRE-TCR)
<a href="#">1981-281</a>	09-30-1981	03	MONITORING, ROUTINE MAJOR	4100	GROSS BETA PARTICLE ACTIVITY
<a href="#">1981-381</a>	09-30-1981	03	MONITORING, ROUTINE MAJOR	4010	COMBINED RADIUM (-226 & -228)
<a href="#">1981-181</a>	09-30-1981	03	MONITORING, ROUTINE MAJOR	4000	GROSS ALPHA, EXCL. RADON & U
<a href="#">2019-4643414</a>	11-20-2018	71	CCR REPORT	7000	CONSUMER CONFIDENCE RULE
<a href="#">2016-4643413</a>	07-08-2016	4B	REPORT SAMPLE RESULT/FAIL MONITOR RTCR	8000	REVISED TOTAL COLIFORM RULE (RTCR)
<a href="#">2009-4643411</a>	12-09-2008	75	PUBLIC NOTICE RULE LINKED TO VIOLATION	7500	PUBLIC NOTICE
<a href="#">2009-4643412</a>	12-09-2008	75	PUBLIC NOTICE RULE LINKED TO VIOLATION	7500	PUBLIC NOTICE
<a href="#">2007-4643407</a>	09-25-2007	23	MONITORING (TCR), ROUTINE MAJOR	3100	COLIFORM (TCR)
<a href="#">2007-4643408</a>	09-25-2007	27	MONITORING, ROUTINE (DBP), MAJOR	0999	CHLORINE
<a href="#">2005-7605</a>	10-06-2004	71	CCR REPORT	7000	CONSUMER CONFIDENCE RULE
<a href="#">2004-7504</a>	09-16-2003	71	CCR REPORT	7000	CONSUMER CONFIDENCE RULE
<a href="#">2003-4643403</a>	08-14-2003	76	PUBLIC NOTICE RULE NOT LINKED VIOLATION	7500	PUBLIC NOTICE
<a href="#">2002-2602</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2428	SEC-BUTYLBENZENE
<a href="#">2002-5302</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2212	DICHLORODIFLUOROMETHANE
<a href="#">2002-5202</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2214	BROMOMETHANE
<a href="#">2002-5102</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2216	CHLOROETHANE
<a href="#">2002-5002</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2218	TRICHLOROFLUOROMETHANE
<a href="#">2002-4902</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2246	HEXACHLOROBUTADIENE
<a href="#">2002-6602</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2248	NAPHTHALENE
<a href="#">2002-6502</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2378	1,2,4-TRICHLOROENZENE
<a href="#">2002-6402</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2380	CIS-1,2-DICHLOROETHYLENE
<a href="#">2002-6302</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2408	DIBROMOMETHANE
<a href="#">2002-6202</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2410	1,1-DICHLOROPROPENE
<a href="#">2002-6102</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2412	1,3-DICHLOROPROPANE
<a href="#">2002-6002</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2413	1,3-DICHLOROPROPENE
<a href="#">2002-5902</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2414	1,2,3-TRICHLOROPROPANE

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<a href="#">2002-5802</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2416	2,2-DICHLOROPROPANE
<a href="#">2002-6902</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2418	1,2,4-TRIMETHYLBENZENE
<a href="#">2002-6802</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2420	1,2,3-TRICHLOROENZENE
<a href="#">2002-6702</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2422	N-BUTYLBENZENE
<a href="#">2002-2802</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2424	1,3,5-TRIMETHYLBENZENE
<a href="#">2002-2702</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2426	TERT-BUTYLBENZENE
<a href="#">2002-2502</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2430	BROMOCHLOROMETHANE
<a href="#">2002-2402</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2941	CHLOROFORM
<a href="#">2002-2302</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2942	BROMOFORM
<a href="#">2002-2202</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2943	BROMODICHLOROMETHANE
<a href="#">2002-2002</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2944	DIBROMOCHLOROMETHANE
<a href="#">2002-7102</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2955	XYLENES, TOTAL
<a href="#">2002-7202</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2964	DICHLOROMETHANE
<a href="#">2002-7302</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2965	O-CHLOROTOLUENE
<a href="#">2002-7402</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2966	P-CHLOROTOLUENE
<a href="#">2002-7002</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2967	M-DICHLOROENZENE
<a href="#">2002-2102</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2968	O-DICHLOROENZENE
<a href="#">2002-4802</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2969	P-DICHLOROENZENE
<a href="#">2002-5502</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2030	P-ISOPROPYLTOLUENE
<a href="#">2002-5402</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2210	CHLOROMETHANE
<a href="#">2002-2902</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2998	N-PROPYLBENZENE
<a href="#">2002-3002</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2996	STYRENE
<a href="#">2002-4702</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2976	VINYL CHLORIDE
<a href="#">2002-4602</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2977	1,1-DICHLOROETHYLENE
<a href="#">2002-4502</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2978	1,1-DICHLOROETHANE
<a href="#">2002-4402</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2979	TRANS-1,2-DICHLOROETHYLENE
<a href="#">2002-4302</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2980	1,2-DICHLOROETHANE
<a href="#">2002-4202</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2981	1,1,1-TRICHLOROETHANE
<a href="#">2002-4102</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2982	CARBON TETRACHLORIDE
<a href="#">2002-4002</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2983	1,2-DICHLOROPROPANE
<a href="#">2002-5702</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2984	TRICHLOROETHYLENE
<a href="#">2002-5602</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2985	1,1,2-TRICHLOROETHANE
<a href="#">2002-3902</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2986	1,1,1,2-TETRACHLOROETHANE
<a href="#">2002-3802</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2987	TETRACHLOROETHYLENE
<a href="#">2002-3702</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2988	1,1,2,2-TETRACHLOROETHANE
<a href="#">2002-3602</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2989	CHLOROENZENE
<a href="#">2002-3502</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2990	BENZENE
<a href="#">2002-3402</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2991	TOLUENE
<a href="#">2002-3302</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2992	ETHYLBENZENE
<a href="#">2002-3202</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2993	BROMOENZENE
<a href="#">2002-3102</a>	07-16-2002	03	MONITORING, ROUTINE MAJOR	2994	ISOPROPYLBENZENE
<a href="#">1991-1091</a>	03-08-1991	03	MONITORING, ROUTINE MAJOR	1005	ARSENIC
<a href="#">1989-24589</a>	12-20-1988	MR	STATE - MONITORING AND REPORTING	3000	COLIFORM (PRE-TCR)
<a href="#">1983-430983</a>	08-21-1983	MR	STATE - MONITORING AND REPORTING	3000	COLIFORM (PRE-TCR)

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Recent Positive TCR Sample Results

Type/ RP Loc	Sample No.	Date	Sample Point	Sample Pt. Description	Lab ID	Result / Analyte / Method / MP
<b>PBCU Sample Summary Results</b>						
MP Begin Date	Type	# Samples	Measure	Units	Analyte Code/Name	
<a href="#">01-01-2020</a> <a href="#">12-31-2022</a>	90%	5	0.35	MG/L	CU90 - COPPER SUMMARY	
<a href="#">01-01-2020</a> <a href="#">12-31-2022</a>	95%	5	0.39	MG/L	CU90 - COPPER SUMMARY	
<a href="#">01-01-2020</a> <a href="#">12-31-2022</a>	AL	0 Exceeding Action Level			CU90 - COPPER SUMMARY	
<a href="#">01-01-2020</a> <a href="#">12-31-2022</a>	95%	5	0	MG/L	PB90 - LEAD SUMMARY	
<a href="#">01-01-2020</a> <a href="#">12-31-2022</a>	AL	0 Exceeding Action Level			PB90 - LEAD SUMMARY	
<a href="#">01-01-2020</a> <a href="#">12-31-2022</a>	90%	5	0	MG/L	PB90 - LEAD SUMMARY	
<a href="#">01-01-2017</a> <a href="#">12-31-2019</a>	95%	5	0.1	MG/L	CU90 - COPPER SUMMARY	
<a href="#">01-01-2017</a> <a href="#">12-31-2019</a>	AL	0 Exceeding Action Level			CU90 - COPPER SUMMARY	
<a href="#">01-01-2017</a> <a href="#">12-31-2019</a>	90%	5	0.096	MG/L	CU90 - COPPER SUMMARY	
<a href="#">01-01-2017</a> <a href="#">12-31-2019</a>	90%	5	0	MG/L	PB90 - LEAD SUMMARY	
<a href="#">01-01-2017</a> <a href="#">12-31-2019</a>	AL	0 Exceeding Action Level			PB90 - LEAD SUMMARY	
<a href="#">01-01-2017</a> <a href="#">12-31-2019</a>	95%	5	0	MG/L	PB90 - LEAD SUMMARY	
<a href="#">01-01-2014</a> <a href="#">12-31-2016</a>	95%	5	0.167	MG/L	CU90 - COPPER SUMMARY	
<a href="#">01-01-2014</a> <a href="#">12-31-2016</a>	90%	5	0.16	MG/L	CU90 - COPPER SUMMARY	
<a href="#">01-01-2014</a> <a href="#">12-31-2016</a>	AL	0 Exceeding Action Level			CU90 - COPPER SUMMARY	
<a href="#">01-01-2014</a> <a href="#">12-31-2016</a>	95%	5	0.002	MG/L	PB90 - LEAD SUMMARY	
<a href="#">01-01-2014</a> <a href="#">12-31-2016</a>	AL	0 Exceeding Action Level			PB90 - LEAD SUMMARY	
<a href="#">01-01-2014</a> <a href="#">12-31-2016</a>	90%	5	0.002	MG/L	PB90 - LEAD SUMMARY	
<a href="#">01-01-2011</a> <a href="#">12-31-2013</a>	90%	5	0.709	MG/L	CU90 - COPPER SUMMARY	
<a href="#">01-01-2011</a> <a href="#">12-31-2013</a>	95%	5	0.813	MG/L	CU90 - COPPER SUMMARY	
<a href="#">01-01-2011</a> <a href="#">12-31-2013</a>	AL	0 Exceeding Action Level			CU90 - COPPER SUMMARY	
<a href="#">01-01-2011</a> <a href="#">12-31-2013</a>	90%	5	0.011	MG/L	PB90 - LEAD SUMMARY	
<a href="#">01-01-2011</a> <a href="#">12-31-2013</a>	AL	1 Exceeding Action Level			PB90 - LEAD SUMMARY	
<a href="#">01-01-2011</a>	95%	5	0.017	MG/L	PB90 - LEAD SUMMARY	

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12-31-2013						
<a href="#">01-01-2008</a> 12-31-2010	90%	5	0.75	MG/L	CU90 - COPPER SUMMARY	
<a href="#">01-01-2008</a> 12-31-2010	AL	0 Exceeding Action Level			CU90 - COPPER SUMMARY	
<a href="#">01-01-2008</a> 12-31-2010	95%	5	0.77	MG/L	CU90 - COPPER SUMMARY	
<a href="#">01-01-2008</a> 12-31-2010	90%	5	0.006	MG/L	PB90 - LEAD SUMMARY	
<a href="#">01-01-2008</a> 12-31-2010	AL	0 Exceeding Action Level			PB90 - LEAD SUMMARY	
<a href="#">01-01-2008</a> 12-31-2010	95%	5	0.007	MG/L	PB90 - LEAD SUMMARY	
<a href="#">01-01-2005</a> 12-31-2007	AL	0 Exceeding Action Level			CU90 - COPPER SUMMARY	
<a href="#">01-01-2005</a> 12-31-2007	95%	5	0.827	MG/L	CU90 - COPPER SUMMARY	
<a href="#">01-01-2005</a> 12-31-2007	90%	5	0.664	MG/L	CU90 - COPPER SUMMARY	
<a href="#">01-01-2005</a> 12-31-2007	90%	5	0.009	MG/L	PB90 - LEAD SUMMARY	
<a href="#">01-01-2005</a> 12-31-2007	AL	0 Exceeding Action Level			PB90 - LEAD SUMMARY	
<a href="#">01-01-2005</a> 12-31-2007	95%	5	0.012	MG/L	PB90 - LEAD SUMMARY	

**Recent Primary/Secondary Sample Results**

Fac./ Site	Sample No.	Date	An. Code	Analyte	Result	Unit	Method
P01-E01	47997-02	03-14-2018	1074	ANTIMONY, TOTAL	ND		200.8
P01-E01	47997-02	03-14-2018	1005	ARSENIC	ND		200.8
P01-E01	47997-02	03-14-2018	1010	BARIUM	ND		200.8
P01-E01	47997-02	03-14-2018	1075	BERYLLIUM, TOTAL	ND		200.8
P01-E01	47997-02	03-14-2018	1015	CADMIUM	ND		200.8
P01-E01	47997-02	03-14-2018	1020	CHROMIUM	ND		200.8
P01-E01	47997-02	03-14-2018	1024	CYANIDE	ND		4500CN-E
P01-E01	47997-02	03-14-2018	1025	FLUORIDE	ND		4500F-C
P01-E01	47997-02	03-14-2018	1035	MERCURY	ND		245.1
P01-E01	47997-02	03-14-2018	1036	NICKEL	ND		200.8
P01-E01	47997-02	03-14-2018	1045	SELENIUM	ND		200.8
P01-E01	47997-02	03-14-2018	1085	THALLIUM, TOTAL	ND		200.8

**Recent SOC Sample Results**

Fac./ Site	Sample No.	Date	An. Code	Analyte	Result	Unit	Method
P01-E01	CC00511-01	12-31-2018	2931	1,2-DIBROMO-3-CHLOROPROPANE	ND		504.1
P01-E01	CC00511-01	12-31-2018	2110	2,4,5-TP	ND		515.4
P01-E01	CC00511-01	12-31-2018	2105	2,4-D	ND		515.4
P01-E01	CC00511-01	12-31-	2050	ATRAZINE	ND		525.2

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		2018					
P01-E01	CC00511-01	12-31-2018	2306	BENZO(A)PYRENE	ND		525.2
P01-E01	CC00773-01	01-10-2019	2010	BHC-GAMMA	ND		505
P01-E01	CC00511-01	12-31-2018	2046	CARBOFURAN	ND		531.1
P01-E01	CC00773-01	01-10-2019	2959	CHLORDANE	ND		505
P01-E01	CC00511-01	12-31-2018	2031	DALAPON	ND		515.4
P01-E01	CC00511-01	12-31-2018	2035	DI(2-ETHYLHEXYL) ADIPATE	ND		525.2
P01-E01	CC00511-01	12-31-2018	2039	DI(2-ETHYLHEXYL) PHTHALATE	ND		525.2
P01-E01	CC00511-01	12-31-2018	2041	DINOSEB	ND		515.4
P01-E01	CC00773-01	01-10-2019	2005	ENDRIN	ND		505
P01-E01	CC00511-01	12-31-2018	2946	ETHYLENE DIBROMIDE	ND		504.1
P01-E01	CC00773-01	01-10-2019	2065	HEPTACHLOR	ND		505
P01-E01	CC00773-01	01-10-2019	2067	HEPTACHLOR EPOXIDE	ND		505
P01-E01	CC00773-01	01-10-2019	2274	HEXACHLOROBENZENE	ND		505
P01-E01	CC00773-01	01-10-2019	2042	HEXACHLOROCYCLOPENTADIENE	ND		505
P01-E01	CC00773-01	01-10-2019	2051	LASSO	ND		505
P01-E01	CC00773-01	01-10-2019	2015	METHOXYCHLOR	ND		505
P01-E01	CC00511-01	12-31-2018	2036	OXAMYL	ND		531.1
P01-E01	CC00511-01	12-31-2018	2326	PENTACHLOROPHENOL	ND		515.4
P01-E01	CC00511-01	12-31-2018	2040	PICLORAM	ND		515.4
P01-E01	CC00511-01	12-31-2018	2037	SIMAZINE	ND		525.2
P01-E01	CC00773-01	01-10-2019	2383	TOTAL POLYCHLORINATED BIPHENYLS (PCB)	ND		505
P01-E01	CC00773-01	01-10-2019	2020	TOXAPHENE	ND		505

## Recent RVOC Sample Results

Fac./ Site	Sample No.	Date	An. Code	Analyte	Result	Unit	Method
P01-E01	47997-01	03-14-2018	2981	1,1,1-TRICHLOROETHANE	ND		524.2
P01-E01	47997-01	03-14-2018	2985	1,1,2-TRICHLOROETHANE	ND		524.2
P01-E01	47997-01	03-14-2018	2977	1,1-DICHLOROETHYLENE	ND		524.2
P01-E01	47997-01	03-14-2018	2378	1,2,4-TRICHLOROBENZENE	ND		524.2

						Application Attachment
P01-E01	47997-01	03-14-2018	2980	1,2-DICHLOROETHANE	ND	524.2
P01-E01	47997-01	03-14-2018	2983	1,2-DICHLOROPROPANE	ND	524.2
P01-E01	47997-01	03-14-2018	2990	BENZENE	ND	524.2
P01-E01	47997-01	03-14-2018	2982	CARBON TETRACHLORIDE	ND	524.2
P01-E01	47997-01	03-14-2018	2989	CHLOROBENZENE	ND	524.2
P01-E01	47997-01	03-14-2018	2380	CIS-1,2- DICHLOROETHYLENE	ND	524.2
P01-E01	47997-01	03-14-2018	2964	DICHLOROMETHANE	ND	524.2
P01-E01	47997-01	03-14-2018	2992	ETHYLBENZENE	ND	524.2
P01-E01	47997-01	03-14-2018	2968	O-DICHLOROBENZENE	ND	524.2
P01-E01	47997-01	03-14-2018	2969	P-DICHLOROBENZENE	ND	524.2
P01-E01	47997-01	03-14-2018	2996	STYRENE	ND	524.2
P01-E01	47997-01	03-14-2018	2987	TETRACHLOROETHYLENE	ND	524.2
P01-E01	47997-01	03-14-2018	2991	TOLUENE	ND	524.2
P01-E01	47997-01	03-14-2018	2979	TRANS-1,2- DICHLOROETHYLENE	ND	524.2
P01-E01	47997-01	03-14-2018	2984	TRICHLOROETHYLENE	ND	524.2
P01-E01	47997-01	03-14-2018	2976	VINYL CHLORIDE	ND	524.2
P01-E01	47997-01	03-14-2018	2955	XYLENES, TOTAL	ND	524.2

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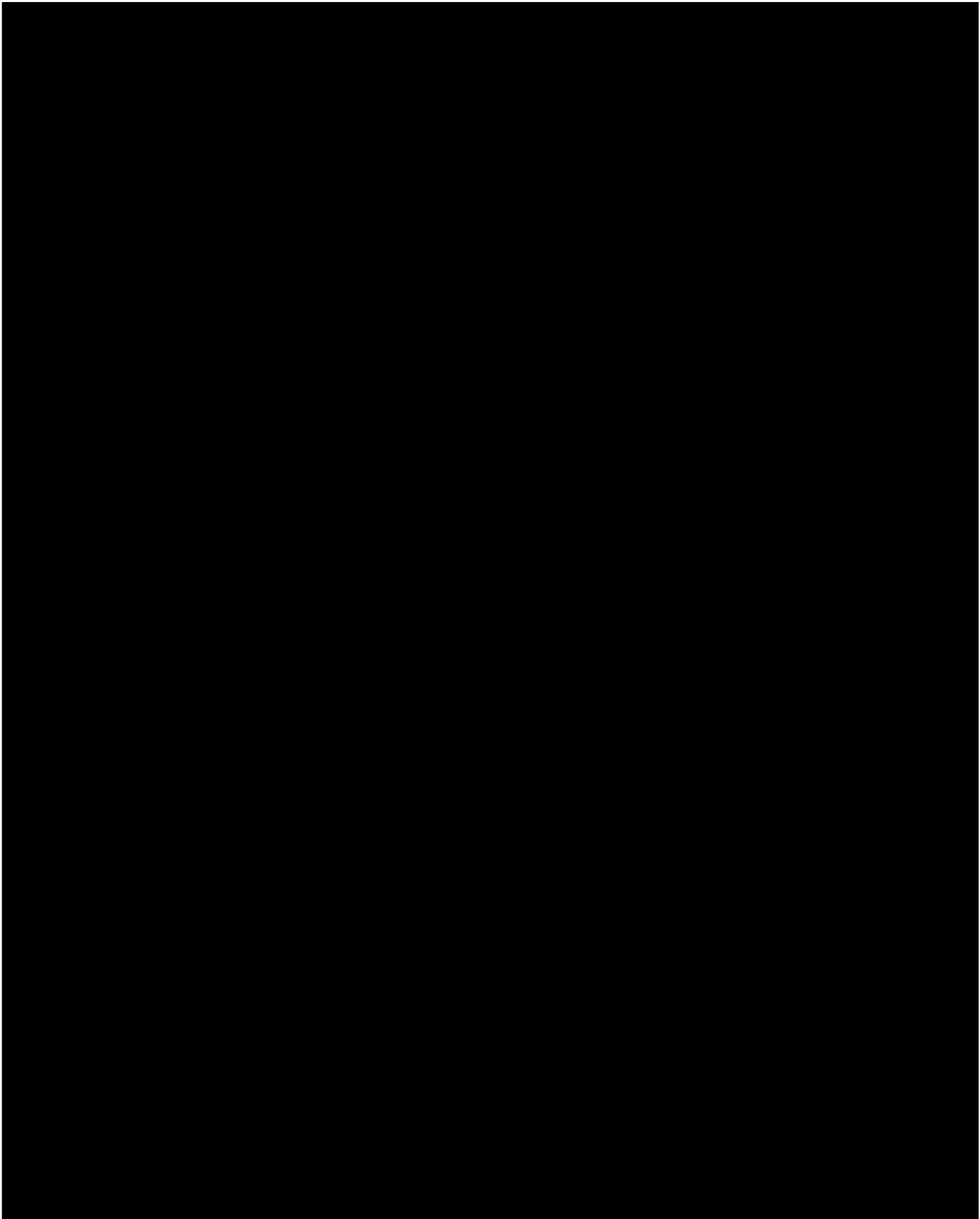


Shaping Communities Together

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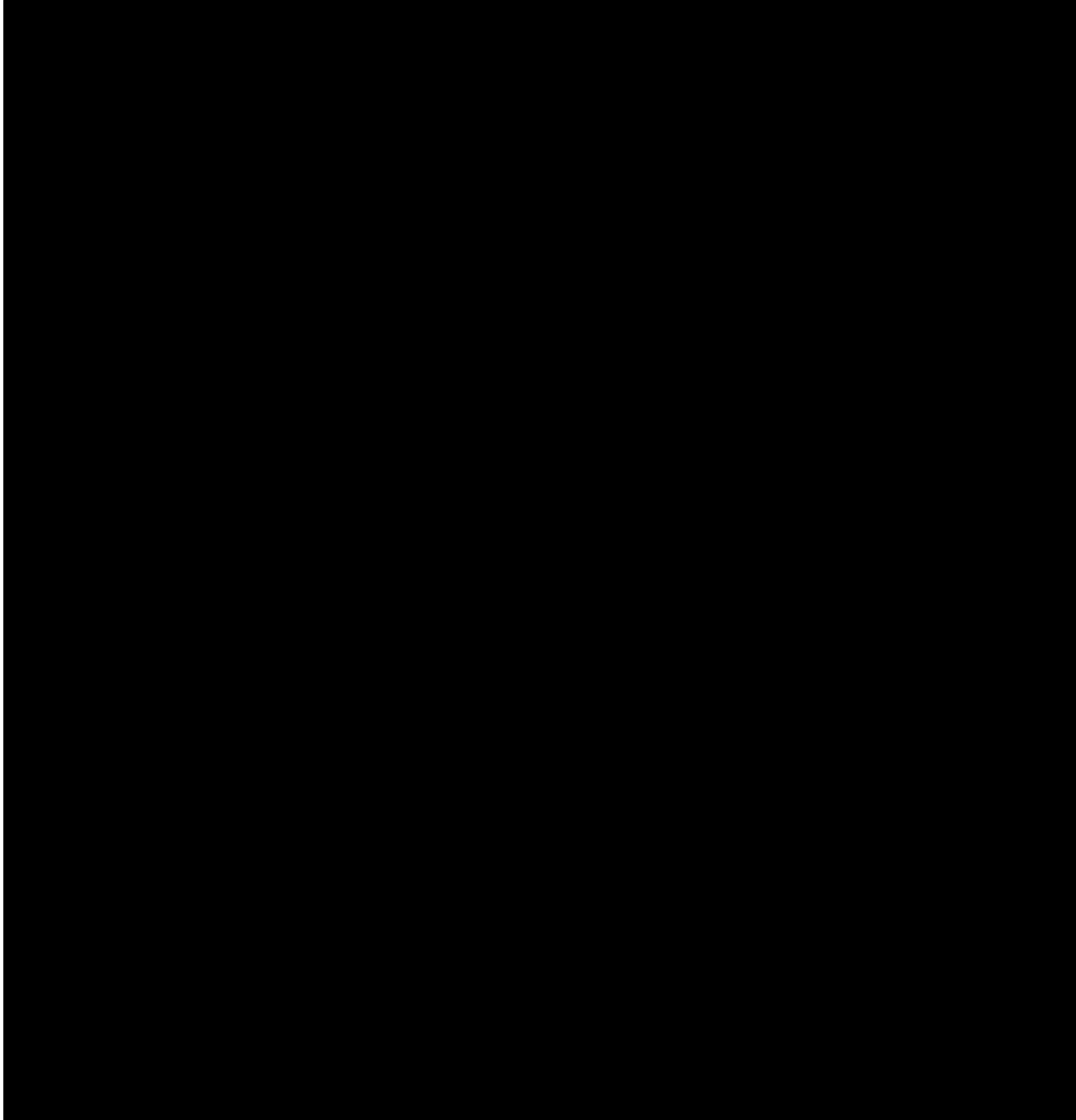
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Appendix D  
West Consultants, Inc.  
Tank Inspection Recommendations



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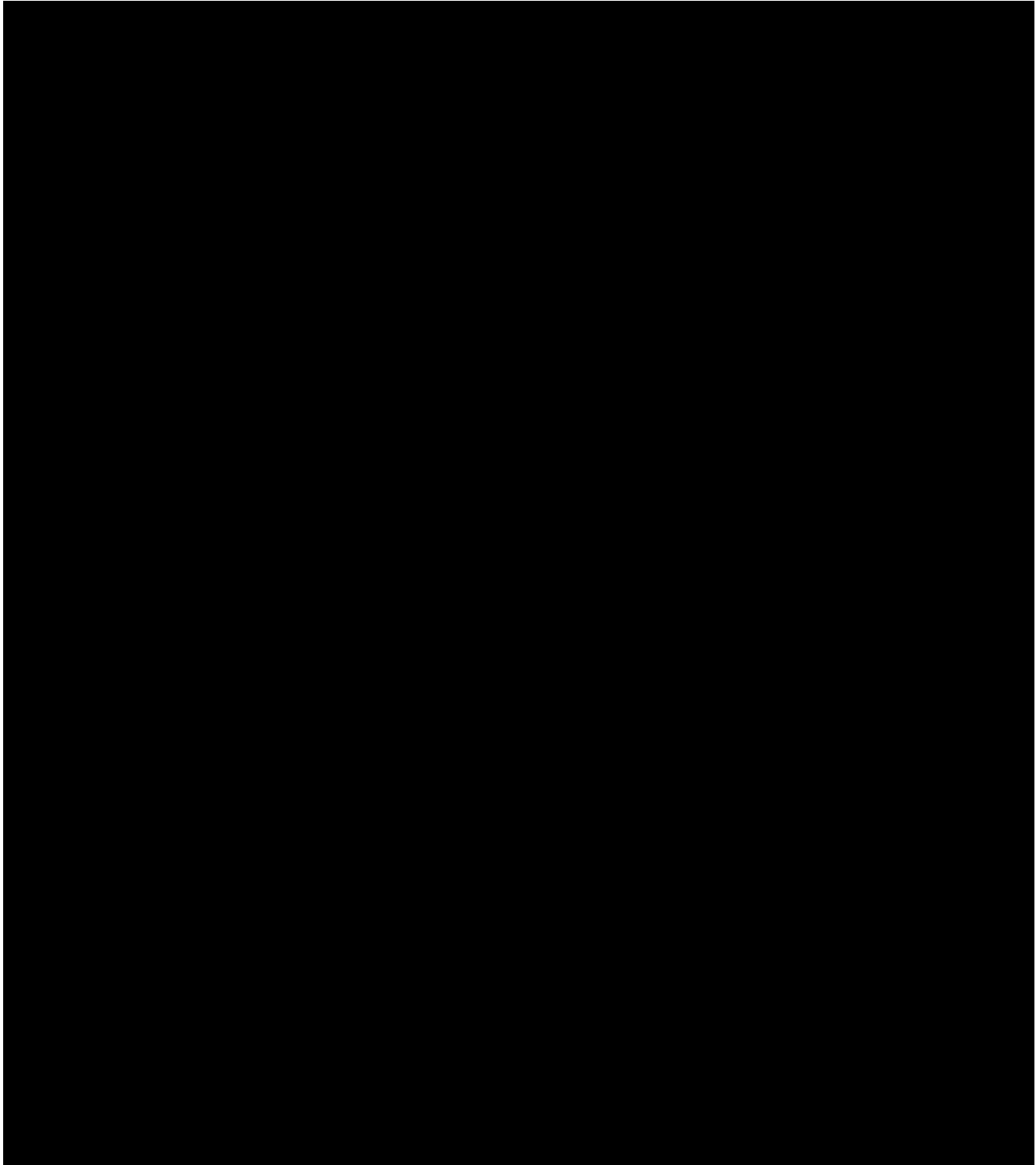
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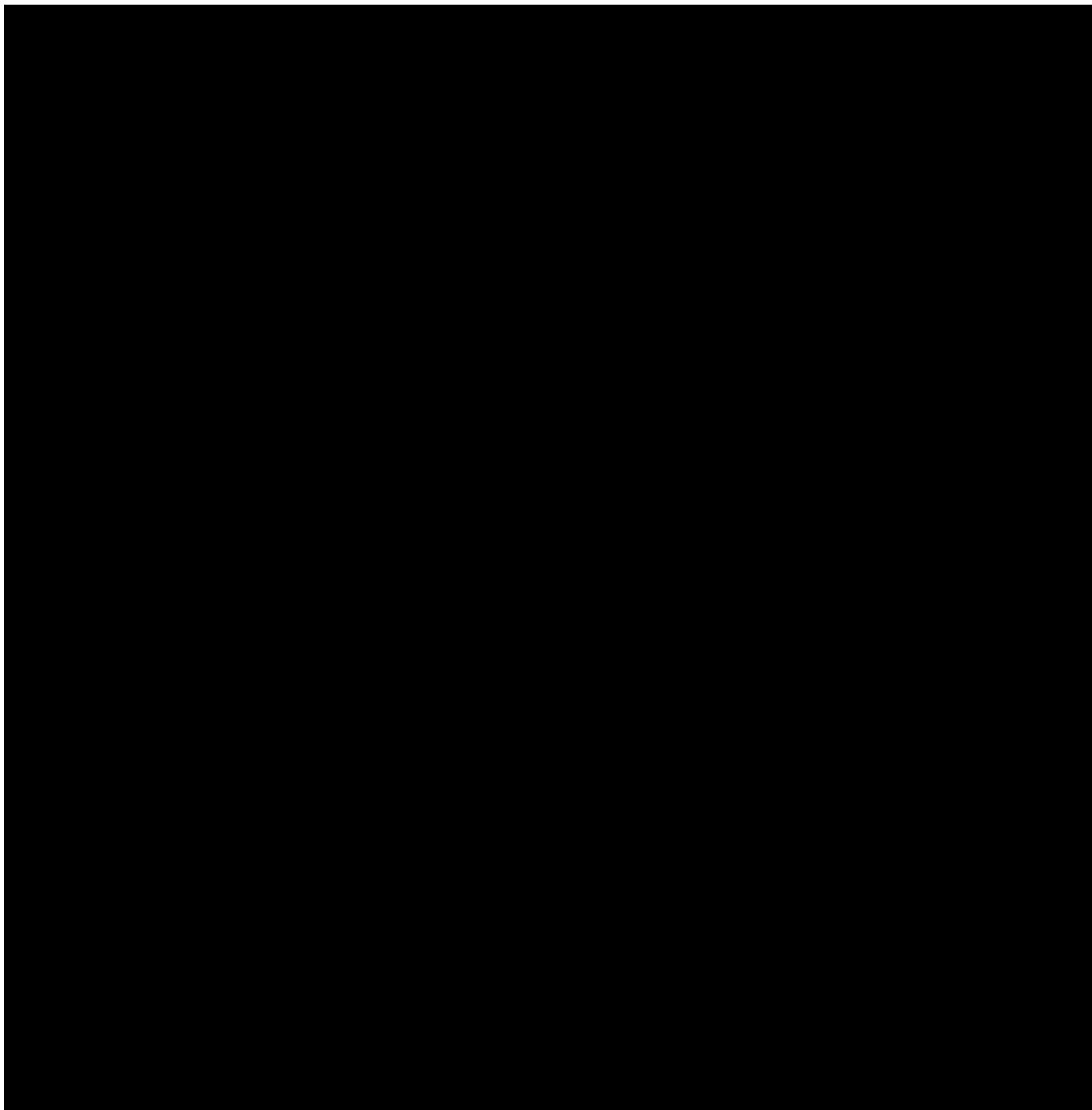
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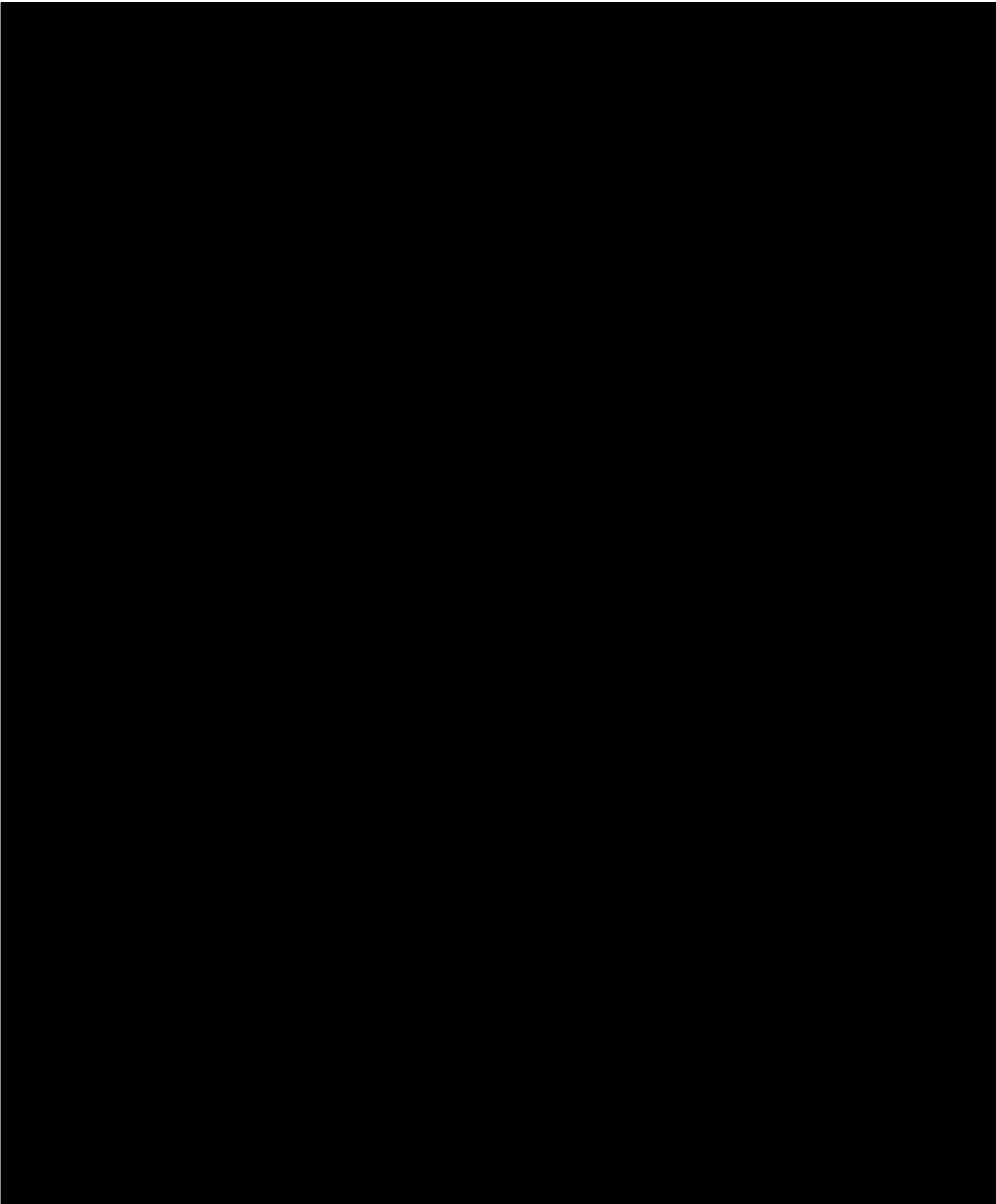
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**Feb 16 2024**



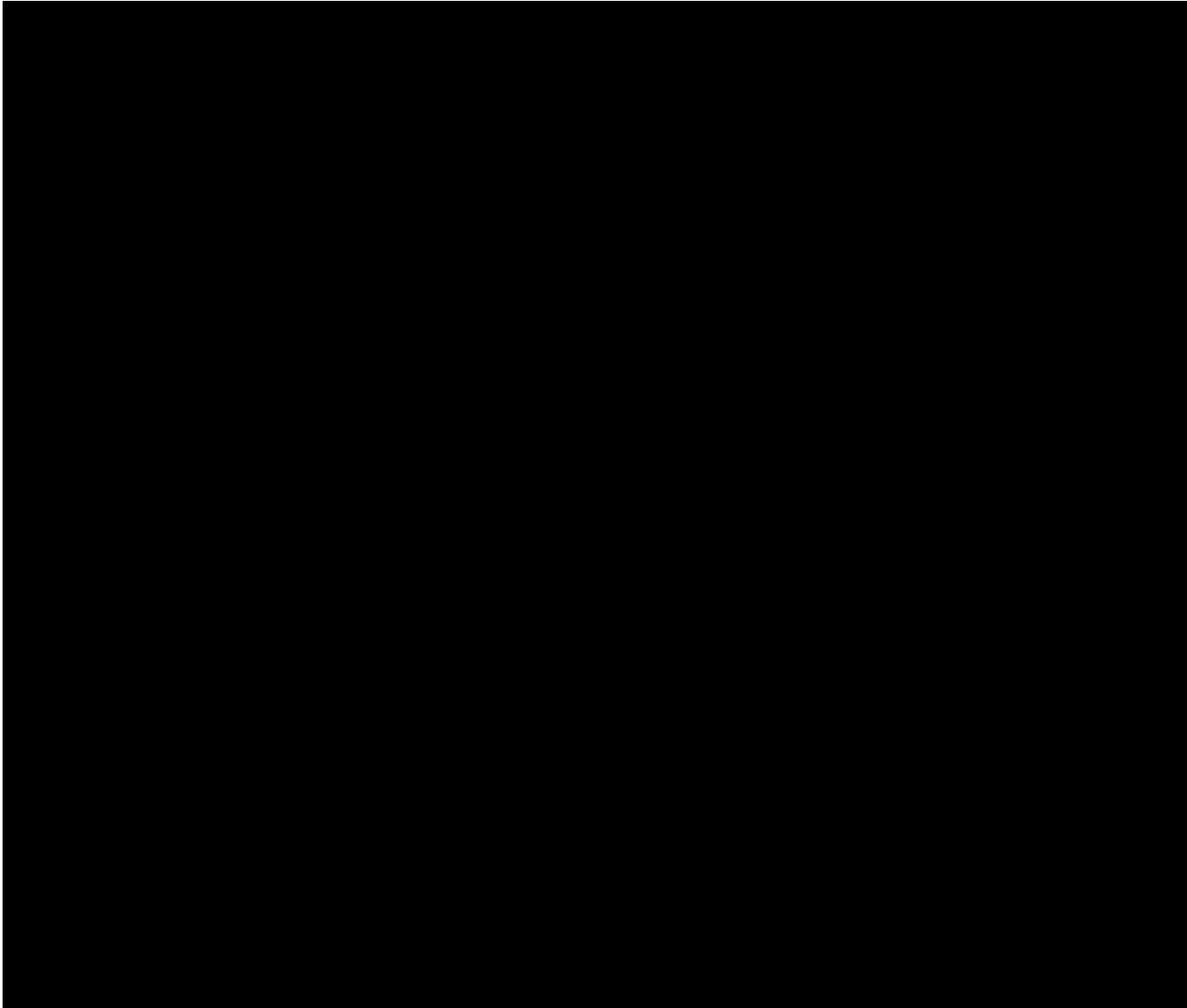
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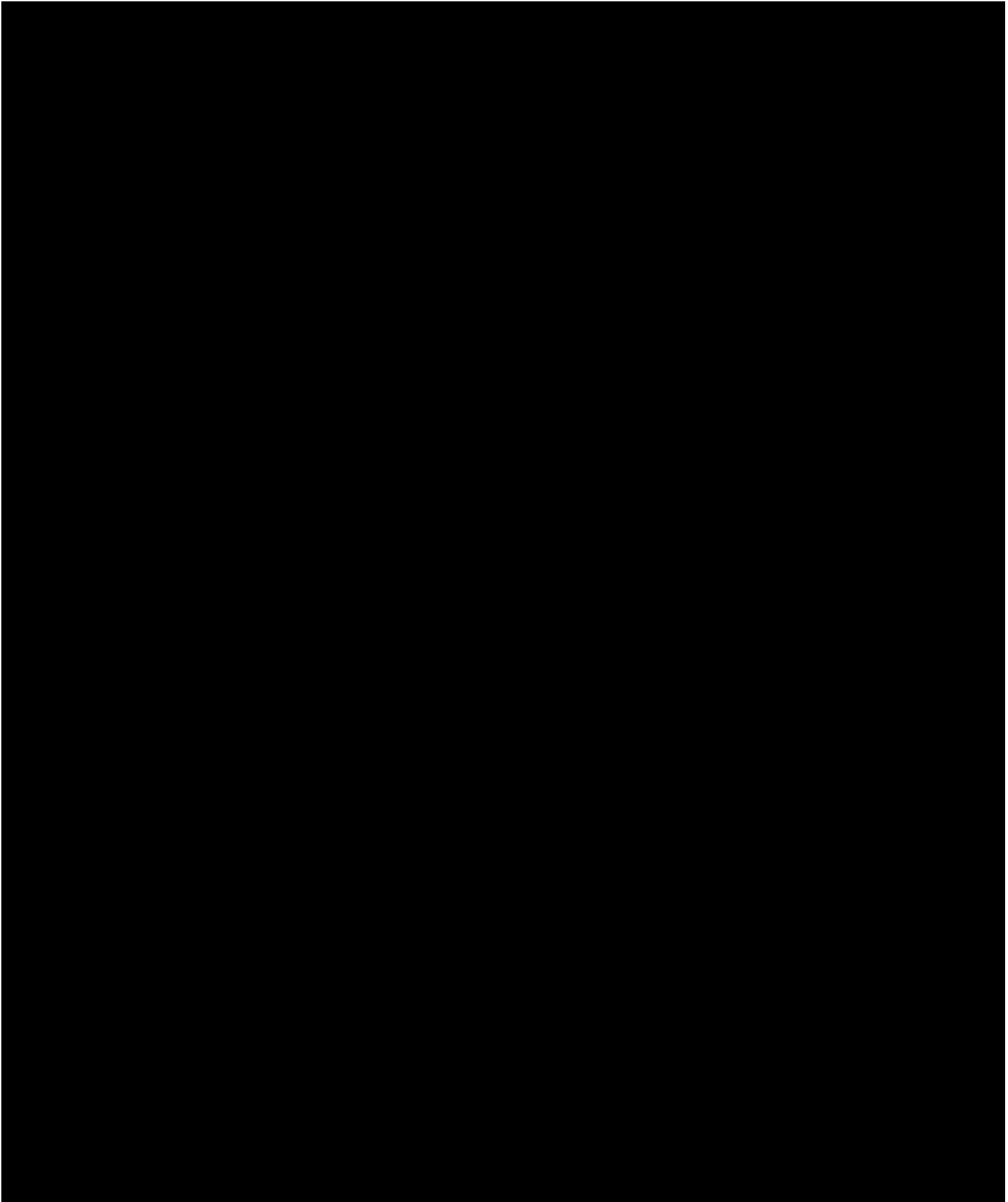
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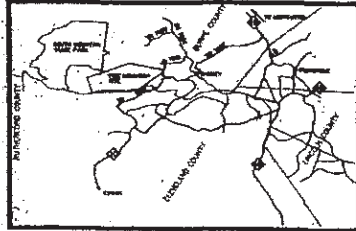


**Appendix E**  
System Maps and Drawings  
Provided by Pine Mountain Staff

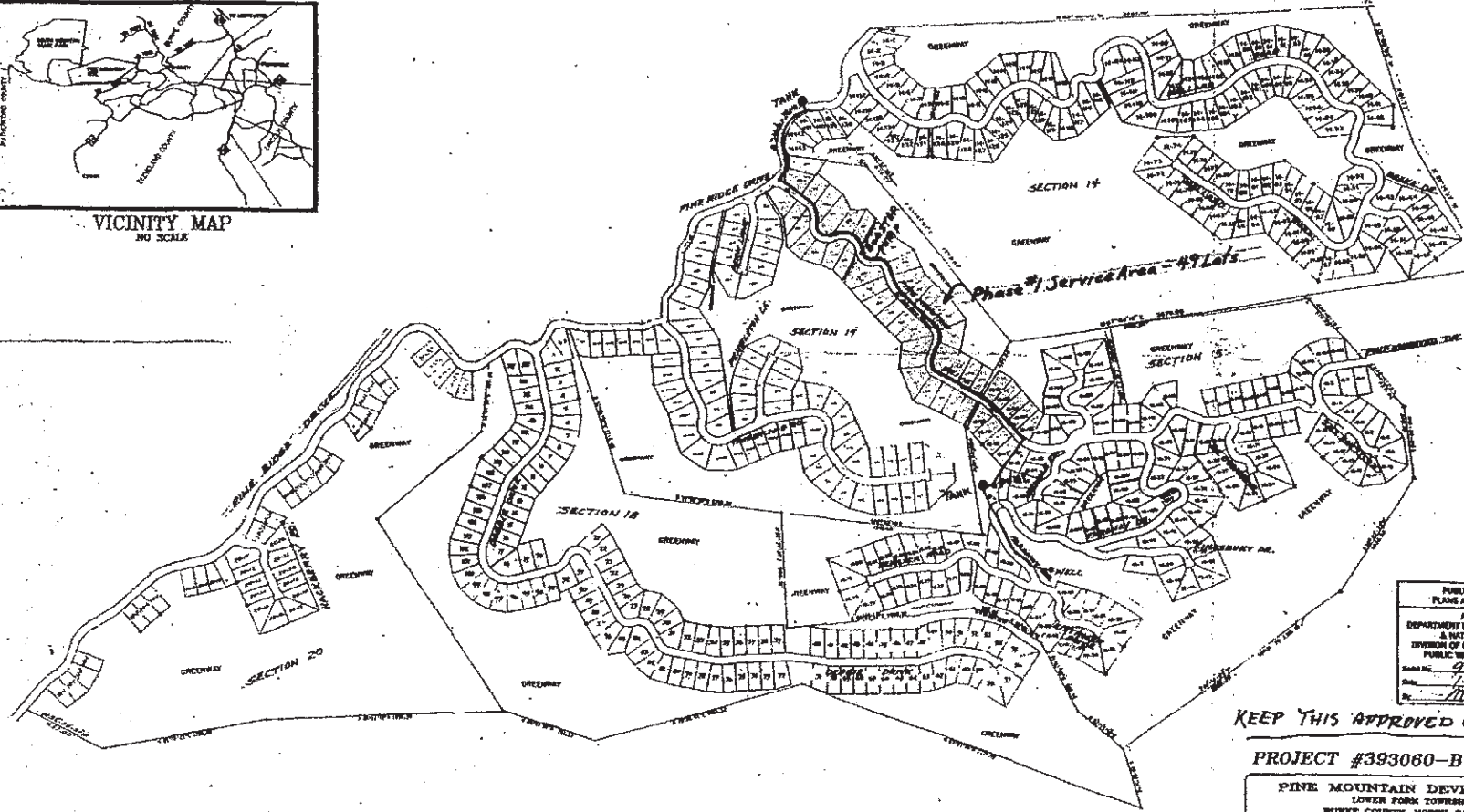
# PINE MOUNTAIN LAKES DEVELOPMENT

## WATERWORKS IMPROVEMENTS

### PHASE I, NORTH RIDGE SYSTEM



VICINITY MAP  
 NO SCALE



PUBLIC WATER SYSTEM  
 PLANS AND SPECIFICATIONS  
 APPROVED BY  
 DEPARTMENT OF ENVIRONMENT, HEALTH  
 & NATURAL RESOURCES  
 DIVISION OF ENVIRONMENTAL HEALTH  
 PUBLIC WATER SUPPLY SECTION  
 DRAWING NO. 95-08357  
 DATE 7-12-95  
 BY M. [Signature]

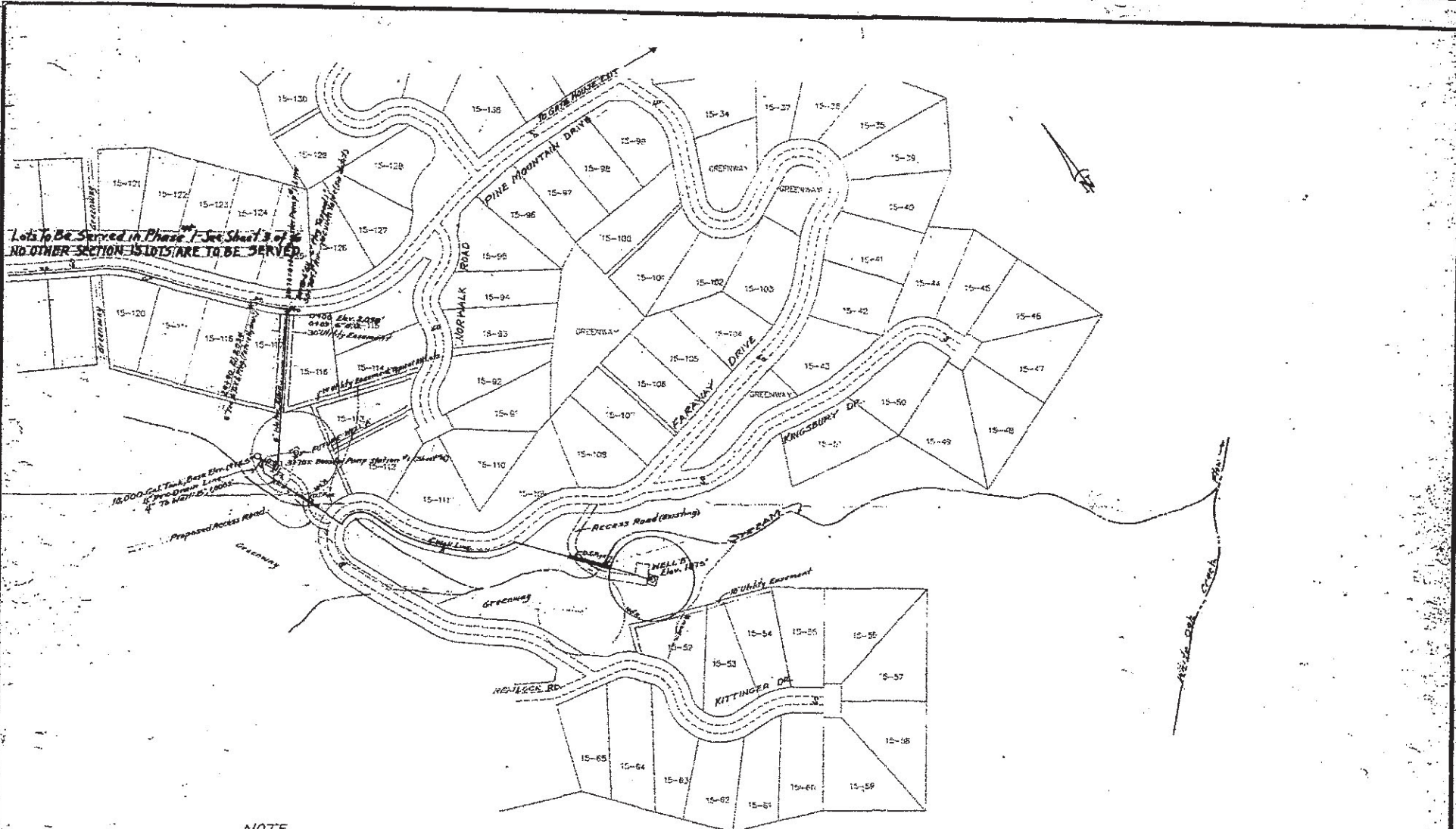
KEEP THIS APPROVED COPY IN PERMIT FILE

PROJECT #393060-B

PINE MOUNTAIN DEVELOPMENT  
 LOWER FORK TOWNSHIP  
 SURICE COUNTY, NORTH CAROLINA

WATER WORKS IMPROVEMENT

W. TOM COX, P.E., INC.  
 CONSULTING ENGINEERS  
 RAYNES, N.C. 27577 919/466-2077

Lots To Be Served in Phase I - See Sheet 3 of 6  
 NO OTHER SECTION IS LOTS ARE TO BE SERVED

**NOTE**  
 1. Clearing debris is to be disposed of within the Greenway area, without burning or burying. Taking care not to create drainage, siltling or erosion problems or causing damage to prominent trees.  
 2. All named streets are paved.  
 3. All lots adjacent to proposed water system are privately held and vacant; therefore, no water or wastewater pipes or on-site wastewater disposal systems exist.  
 A. Install 8" Ductile Iron Pipe Under Streets & Access Roads, Two (2) Locations. Include price in Bid Item 3.

DATE	DESCRIPTION	BY

<b>PINE MOUNTAIN DEVELOPMENT</b> LOWER FORK TOWNSHIP BURKE COUNTY, NORTH CAROLINA		08-4175 15-101 NYC WCO 1/10/2023
WATER WORKS IMPROVEMENT NORTH RIDGE SYSTEM PHASE I, SECTION 15		6
<b>W. TOM COX, P.E., INC.</b> CONSULTING ENGINEERS 1000 S. W. 10th St. BOCA RATON, FL 33432-1000		6





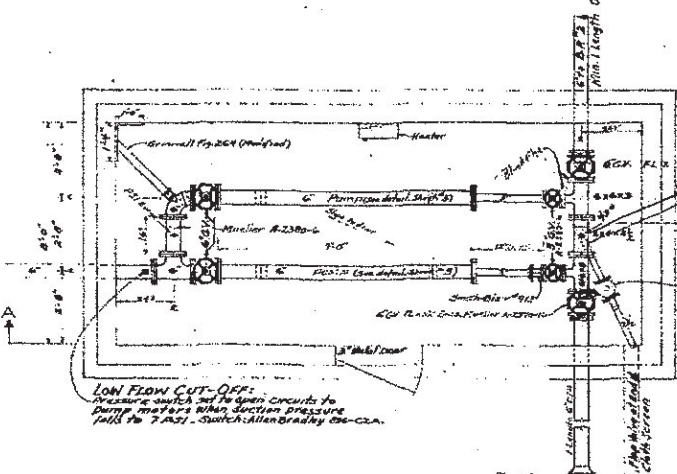
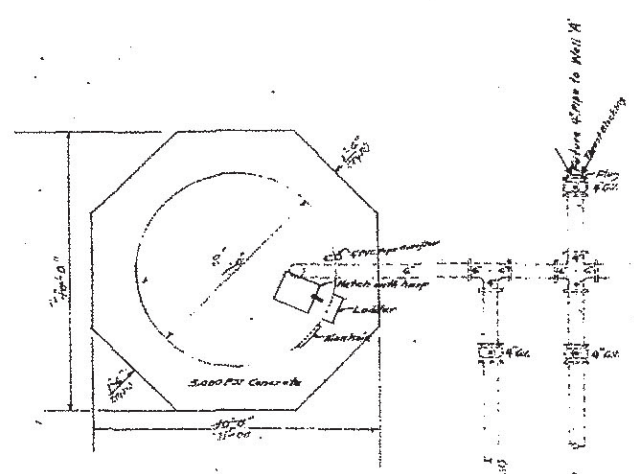

PLANNING AND ZONING DEPARTMENT  
CITY OF WASHINGTON  
1100 MONTGOMERY AVENUE, N.W.  
WASHINGTON, D.C. 20004

APPROVED FOR THE CITY OF WASHINGTON  
ON FEBRUARY 16, 2024  
BY THE PLANNING AND ZONING COMMISSION

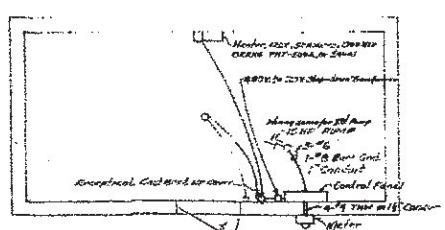
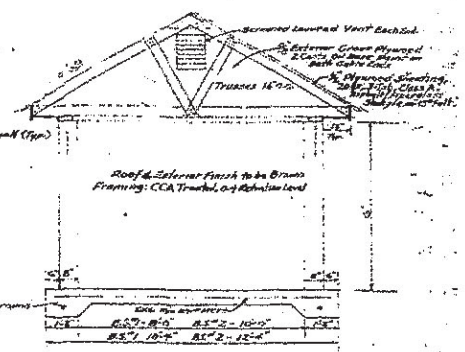
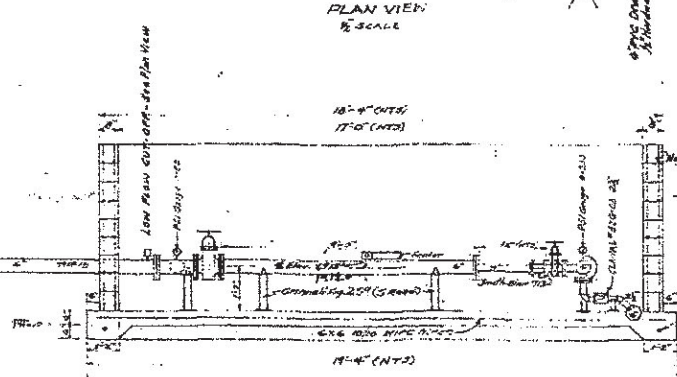
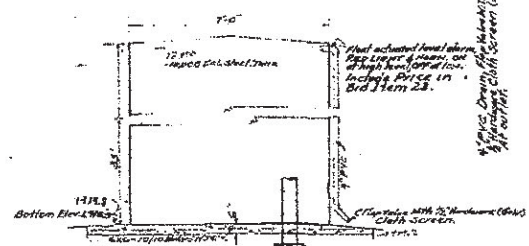
PLANNING AND ZONING COMMISSION  
1100 MONTGOMERY AVENUE, N.W.  
WASHINGTON, D.C. 20004

Nut Bush  
170-180psi

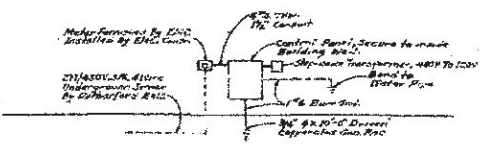
- NOTES:
1. All pipe sizes shown are I.D.
  2. All pipe valves are N.R.S.
  3. Contractor shall ground water & around all pipes going thru walls to provide support & prevent ground water infiltration.
  4. All valves, products are additional. Refer Interstate Supply Co., Inc., Chesapeake, VA.
  5. Station pipe & fittings are 150# cast iron.



**LOW FLOW CUT-OFF:**  
Pressure switch set to open circuits to pumps, and fans when suction pressure falls to 7 PSI. Switch Allen Bradley CG-22A.



ELECTRICAL PLAN  
3/8\"/>



POWER RISER DIAGRAM  
N.T.S. 1/4\"/>

NO.	REVISIONS

<b>PINE MOUNTAIN DEVELOPMENT</b> LOWER FORK TOWNSHIP BUROCK COUNTY, NORTH CAROLINA		SHEET NO. DATE DRAWN BY CHECKED BY
<b>WATER WORKS IMPROVEMENT</b> <b>GROUND STORAGE TANK &amp; BOOSTER PUMP STATION #1</b>		PROJECT NO. SCALE
<b>W. TOM COX, P.E., INC.</b> CONSULTING ENGINEERS 5000 BEAVER TRAIL WASHINGTON, N.C. 27567		4 6



130 PSI Valve needs packing

