

DOTD FORM: 24-102 DEBRIS MONITORING

(Feb. 1, 2022)


PROPOSAL TO PROVIDE CONSULTANT SERVICES FOR DEBRIS MONITORING

Prime consultant shall complete the DOTD Form 24-102 without altering the Form's text; however, the instruction and/or guidance for Sections 12 through 23 can be removed but do not remove Section title and number.

ANY CONSULTANT FAILING TO SUBMIT ANY OF THE INFORMATION REQUIRED ON THE DOTD FORM 24-102, OR PROVIDING INACCURATE INFORMATION ON THE DOTD FORM 24-102, MAY BE CONSIDERED NON-RESPONSIVE.

Prime consultant should enter the firm name in the footer at the bottom of this page. (It will carry over to subsequent pages.)

1. Contract title as shown in the advertisement	IDIQ CONTRACTS FOR DEBRIS MONITORING
2. Contract number(s) as shown in the advertisement	4400023722 AND 4400023723
3. State Project Number(s), if shown in the advertisement	N/A
4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	Tetra Tech, Inc.
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF.0002961
6. Prime consultant mailing address	748 Main St., Ste. B, Baton Rouge, LA 70802
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	748 Main St., Ste. B, Baton Rouge, LA 70802
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Jonathan Burgiel, Business Unit President, 321.441.8511, tdr.contracts@tetrattech.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Jonathan Burgiel, Business Unit President, 321.441.8511, tdr.contracts@tetrattech.com
10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of	

<p>Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.</p>	<p>Signature (shall be the same person as #9):</p>  <hr/> <p>Date: 3/7/2022</p>				
<p>11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.</p>	<table border="0"> <tr> <td><u>Firm(s):</u></td> <td><u>Firm(s)' %:</u></td> </tr> <tr> <td>N/A</td> <td></td> </tr> </table>	<u>Firm(s):</u>	<u>Firm(s)' %:</u>	N/A	
<u>Firm(s):</u>	<u>Firm(s)' %:</u>				
N/A					

12. Overall Contract Percentage(s):

Sub-consultants are allowed to be used for this proposal. The percentages for the prime and sub-consultants must total 100% for the overall total percent of the contract.							
Prime	Firm B	Firm C	Firm D	Firm E	Firm F	Firm G	Percent of Work for Overall Contract
70%	30%						100%
Identify the percentage of work for the <u>overall contract</u> to be performed by the prime consultant and each sub-consultant.							

13. Firm Size:

For all firms that are part of this team, indicate the approximate number of personnel to be committed to this contract, by Job Classification and the total number of personnel within the firm that could provide support, if needed. The Job Classification(s) to be used for this contract(s) are: **Contract Manager, EOC Liaison, Monitor Supervisor, Disposal Site Monitor, Roadway Monitor, Office Supervisor, GIS/Data Analyst and Office Support.**

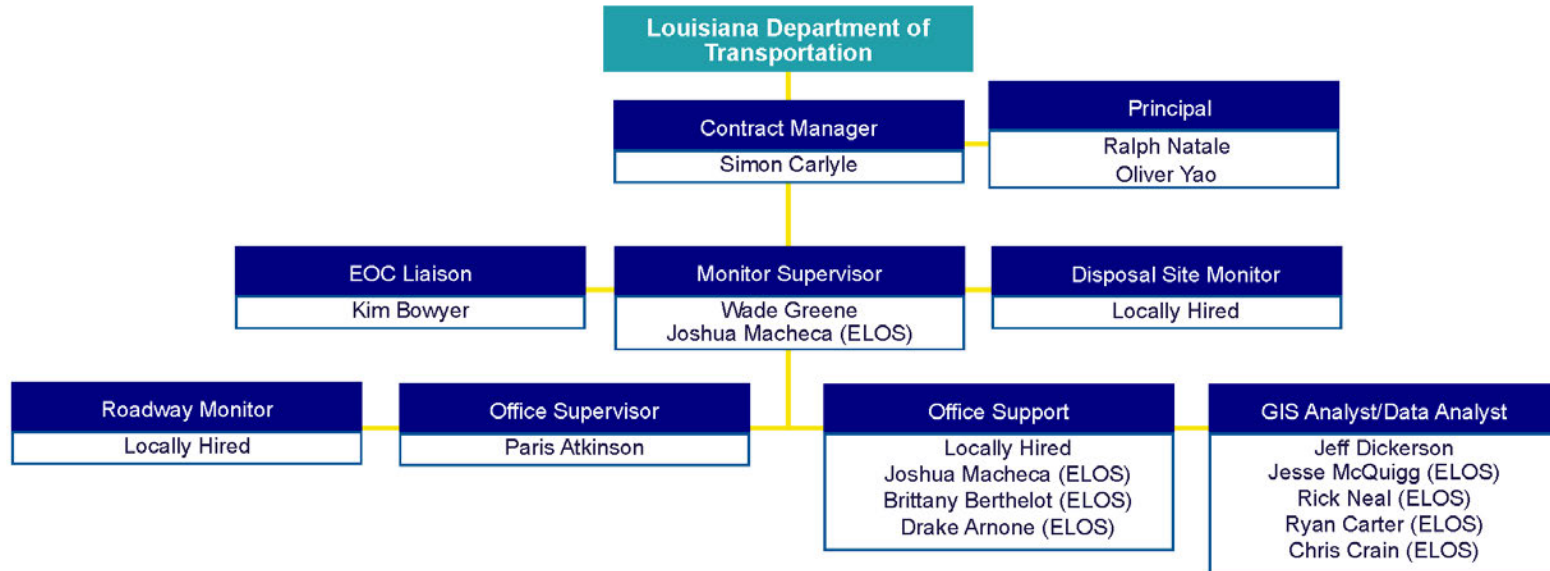
Firm name	Job Classification	Number of personnel committed to this contract	Total number of personnel available in this Job Classification (if needed)
Tetra Tech	Contract Manager	1	100+
Tetra Tech	EOC Liaison	1	100+
Tetra Tech/ELOS	Monitor Supervisor	2	150+
Tetra Tech	Disposal Site Monitor	2	150+
Tetra Tech	Roadway Monitor	5	500+
Tetra Tech	Office Supervisor	1	20+
Tetra Tech/ELOS	Office Support	1 (per every 25 roadway monitors)	30+
Tetra Tech/ELOS	GIS/Data Analyst	4	50+

(Add rows as needed)

14. Organizational Chart:

Provide an organizational chart showing ALL **relevant** prime consultant and sub-consultant (if applicable) personnel assigned to the contract, area of project responsibility for each, and reporting lines for the purposes of this contract. An individual's role does not necessarily have to match their job classification identified in Section 13.

It is acceptable to use an 11x17 format for Section 14.



15. Minimum Personnel Requirements:

Use the table below to identify both prime consultant and sub-consultant staff designated to work on this contract meeting the Minimum Personnel Requirements (MPRs) specified in the advertisement. Ensure the résumé reflects the required experience stated in the MPR.

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license / certification & number	State of license	License / certification expiration date
1	Ralph Natale	Tetra Tech	N/A	N/A	N/A
2	Ralph Natale	Tetra Tech	N/A	N/A	N/A
3	Oliver Yao	Tetra Tech	N/A	N/A	N/A
4	Wade Greene	Tetra Tech	N/A	N/A	N/A

(Add rows as needed)

16. Staff Experience:

Résumés shall be provided for all prime and sub-consultant personnel listed in Sections 14 and/or 15 of the proposal. Résumés of personnel not identified in Section 14 or Section 15 of the proposal should not be included and will not be evaluated. Résumés should be limited to 2 pages per person. Any certificates required by the advertisement are to be placed in Section 20.

Firm employed by Tetra Tech				
Name	Simon Carlyle		Years of relevant experience with this employer	7 years
Title	Contract Manager		Years of relevant experience with other employer(s)	11 years
Degree(s) / Years / Specialization			N/A	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Contract Manager Mr. Carlyle brings 16 years of experience and has responded to nearly 30 disaster events including Hurricanes Laura, Michael Irma, Harvey, Matthew, Isaac, Irene, Katrina, Rita, Wilma, Gustav, Ike, and Sandy as well as numerous ice storms, wildfires, flooding events, and other natural disasters. He has been directly involved in all phases of disaster recovery efforts, and implements best practices to direct efficient and compliant disaster debris monitoring programs. Mr. Carlyle also holds NIMS, ICS, HSEEP, and OSHA certifications.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
(08/20 – Ongoing)	Regional Manager Hurricane Laura Multiple Louisiana Communities Hurricane Laura has made a devastating impact on the State of Louisiana, making landfall as a category 4 storm. Mr. Carlyle is currently responding to 10 Cities and Parishes across Louisiana, managing multiple debris monitoring operations.			
(08/21 – Ongoing)	Senior Management Oversight Various Clients Hurricane Ida Mr. Carlyle provided senior management oversight for various clients following Hurricane Ida, including multiple activating entities under Tetra Tech’s contract with New Jersey Department of Environmental Protection. He assisted with coordinating staffing efforts and logistics support. Mr. Carlyle also ensures unique health and safety plans are executed and provides oversight of daily audit reporting logs.			

(02/21 – 6/21)	<p>Client Liaison Virginia Department of Transportation 2021 Winter Storm Mr. Carlyle acted as client liaison for this project where he provided senior management oversight, coordinated staffing and logistics support, ensured unique health and safety plan was executed and oversaw and audited daily reporting.</p>
(04/20 – 05/20)	<p>Regional Manager Easter Tornado Outbreak Multiple South Carolina Communities Over Easter weekend 2019, the State of South Carolina suffered a severe tornado outbreak, with over 22 tornadoes recorded by the National Weather Service. Our team responded to the 2020 Tornado outbreak, to support force account debris removal operations and provided debris site quality control. Mr. Carlyle managed multiple projects in response to the tornado outbreak, managing the tracking and quantification of force account debris removal projects and ensured proper disposal at local disposal sites.</p>
(08/19 – 10/19)	<p>Regional Manager Hurricane Dorian Multiple South Carolina Communities Hurricane Dorian was an extremely powerful hurricane that skirted the South Carolina Coast in August of 2019. Mr. Carlyle served as regional project manager for multiple clients across the state, responsible for program oversight, task order preparation, forecasting, and quality assurance.</p>
(09/19 – 11/19)	<p>Regional Manager Tropical Storm Imelda Jefferson County & Orange County, Texas Tropical Storm Imelda impacted the gulf coast of Texas in September 2019, causing an estimate of \$5 billion dollars. Tetra Tech assisted several Texas communities with the subsequent disaster debris removal program. Mr. Carlyle served as a regional project manager for Jefferson County and Orange County Texas, two longtime Tetra Tech clients. Mr. Carlyle managed the removal of roughly 100,000 cubic yards of debris.</p>
(03/19 – 06/19)	<p>Project Manager Lee County, Alabama Tornado Following one of the deadliest tornados in history that claimed the lives of 23 people, Lee County, Alabama immediately activated their standby contract with Tetra Tech to provide debris management oversight, documentation, and reimbursement support. Mr. Carlyle mobilized within hours of the event to liaise with State, Federal and local officials as well as the County's debris hauler to develop a debris removal strategy and schedule. Upon the commencement of debris removal operation, Mr. Carlyle facilitated accurate daily briefings for project stakeholders that included progress mapping, reporting, and transparency into field staffing numbers.</p>

(Add rows as needed)

Firm employed by Tetra Tech			
Name	Ralph Natale		Years of relevant experience with this employer
Title	Principal		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		N/A	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Principal Ralph Natale is the director of post-disaster programs for Tetra Tech, Inc. He leads the practices by developing programs, providing daily project support, and providing oversight and guidance to his team of project managers and projects. Mr. Natale is an expert in FEMA PA Grant Program reimbursement policies and has administered nearly 250 projects in his 15-year career.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
(11/17 – Ongoing)	Northern California (NORCAL) Wildfire Response (November 2017-Present) Mr. Natale serves as principal in charge for USACE ADMS services for all the work completed after the Northern California wildfires in 2015. This included debris and environmental services of over 8,000 homes and over 1 billion dollars in costs. Mr. Natale oversees the overall project management team and assists with staffing and logistics for this four county response.		
(09/20 – 2/21)	Hurricane Laura Following Hurricane Laura in August of 2020, Mr. Natale oversaw debris monitoring operations for over 11 communities and 1,000 personnel across Louisiana. This included the Calcasieu Parish/Lake Charles area, where at peak Tetra Tech had nearly 600 monitors working in conditions typical of a category 4 hurricane. Without power or infrastructure, the operational response plan was implemented, and our team had to mobilize and establish power and infrastructure for all the projects. This was completed successfully without any debris haulers having to wait on monitoring resources.		
(09/18 – 6/19)	Hurricane Micheal Following Hurricane Michael in September of 2018, Mr. Natale oversaw debris monitoring operations for several communities in the Florida Panhandle and a USACE response in Georgia that covered 12 counties. The devastation was 250 miles wide for this category 5 storm, which included working in areas that had no power or electricity for well over a month. At peak, Tetra Tech had nearly 600 monitors working in the field. Documentation was created for almost 10 million cubic yards of debris. Work also included NRCS funding of nearly 25 miles of waterways through Bay County, FL. Mr. Natale helped create and implement programs for several projects after the Valley and Butte fires of 2015, which burned over 150,000 acres of forests and destroyed over 2,000 homes, with recovery costs of over \$300 million. Each program developed was unique but necessary for the community as a whole to recover. Programs included geospatial live		

	tracking of work completed and equipment deployed; mitigation of hazardous trees from rights of ways and private property that was fully funded by CalOES and FEMA; private property debris removal packet management and database support; and management of a unique mix of environmental scientists and debris specialists to provide documentation for remediation of asbestos and other contaminants left behind, including debris quantities. These clients included Lake County Public Works, CalRecycle (AJ Diani), CalRecycle (Sukut), and PG&E.
(10/15 – 03/16)	California Valley and Butte Fire Mr. Natale helped create and implement programs for several projects after the Valley and Butte fires of 2015, which burned over 150,000 acres of forests and destroyed over 2,000 homes, with recovery costs of over \$300 million. Each program developed was unique but necessary for the community as a whole to recover. Programs included geospatial live tracking of work completed and equipment deployed; mitigation of hazardous trees from rights of ways and private property that was fully funded by CalOES and FEMA; private property debris removal packet management and database support; and management of a unique mix of environmental scientists and debris specialists to provide documentation for remediation of asbestos and other contaminants left behind, including debris quantities. These clients included Lake County Public Works, CalRecycle (AJ Diani), CalRecycle (Sukut), and PG&E.
(09/20 – 10/20)	Hurricane Laura Following Hurricane Laura in August of 2020, Mr. Natale oversaw debris monitoring operations for over 11 communities and 1,000 personnel across Louisiana. This included the Calcasieu Parish/Lake Charles area, where at peak Tetra Tech had nearly 600 monitors working in conditions typical of a category 4 hurricane. Without power or infrastructure, the operational response plan was implemented, and our team had to mobilize and establish power and infrastructure for all the projects. This was completed successfully without any debris haulers having to wait on monitoring resources.
(10/19 – 11/20)	Hurricane Micheal Following Hurricane Michael in September of 2018, Mr. Natale oversaw debris monitoring operations for several communities in the Florida Panhandle and a USACE response in Georgia that covered 12 counties. The devastation was 250 miles wide for this category 5 storm, which included working in areas that had no power or electricity for well over a month. At peak, Tetra Tech had nearly 600 monitors working in the field. Documentation was created for almost 10 million cubic yards of debris. Work also included NRCS funding of nearly 25 miles of waterways through Bay County, FL.
(09/19 – 11/19)	Camp Fire Response Mr. Natale serves as project manager and is responsible for oversight of debris and environmental work related to the hazardous material removal of over 12,000 parcels located in the County of Butte. This is possibly the largest debris operation in history with over 2 billion dollars in costs.

Firm employed by Tetra Tech				
Name	Oliver Yao		Years of relevant experience with this employer	15 years
Title	Principal		Years of relevant experience with other employer(s)	5 years
Degree(s) / Years / Specialization			Master of Arts (M.A.) / 2006 / Business Administration Bachelor of Arts (B.A.) / 2003 / Economics Bachelor of Arts (B.A.) / 1984 / Economics	
Active registration number / state / expiration date			N/A	
Year registered	N/A		Discipline	N/A
Contract role(s) / brief description of responsibilities			Principal Oliver Yao serves as a financial analyst for post disaster programs at Tetra Tech, Inc. Mr. Yao has over twelve years of industry experience in the four phases of emergency management: preparedness, response, recovery, and mitigation. In addition, Mr. Yao has supported response efforts to some of the largest disasters to affect the United States, including Hurricanes Katrina and Ike. Due to his experience, Mr. Yao also has unique knowledge and understanding of federal grant programs and the documentation requirements. This knowledge and experience has aided Mr. Yao in developing and implementing standard operating procedures (SOP) for documentation and data management that assist our clients during closeout and audit. Mr. Yao also understands all aspects of our <i>RecoveryTrac</i> ™ automated debris management system (ADMS). Due to his understanding, Mr. Yao is able to support all aspects of the ADMS handhelds, including field deployment, geospatial reporting, and future enhancements.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
(10/18 – Ongoing)	Senior Management and Data Oversight (October 2018 to Present) Florida Hurricane Michael Program Management Hurricane Michael impacted the Florida panhandle as a Category 5 hurricane. Mr. Yao currently provides senior management and data oversight for multiple projects in Florida including the cities of Lynn Haven, Springfield, and Callaway. Recovery efforts include private property debris removal and structural demolitions.			
(09/18 – 12/18)	Senior Management and Data Oversight (September 2018 to Dec. 2018) North Carolina Hurricane Florence Program Management Hurricane Florence impacted North Carolina in September of 2018. Mr. Yao provided senior management and data oversight for multiple projects in North Carolina including the counties of Onslow, Lenoir, and Craven.			

(08/17 – 04/18)	<p>Senior Management and Data Oversight (August 2017 to April 2018) City of Houston, Texas Hurricane Harvey Program Management</p> <p>The southwest region of Texas was substantially impacted by Hurricane Harvey and the torrential rainfall amounts the system brought to the region. The City of Houston activated the monitoring and program management services of Tetra Tech. Mr. Yao provided senior management and data oversight to the project. To date, over 1.2 million cubic yards of debris have been collected in the City as a result of Hurricane Harvey.</p>
(9/16 – 07/17)	<p>Senior Management and Data Oversight Volusia County; St. Johns County; Flagler County; Brevard County, Florida Hurricane Matthew Program Management</p> <p>The jurisdictions of Volusia County, St. Johns County, Flagler County, and Brevard County were among the many Florida communities impacted by Hurricane Matthew in September of 2016. Tetra Tech was activated by the aforementioned communities to provide program management and disaster debris monitoring services.</p> <ul style="list-style-type: none"> • Mr. Yao served as a senior management and data oversight manager for the Florida projects. • He supported the projects by developing health and safety plans and verifying the projects met the project operations, timeline, deliverable, and budget standards for Tetra Tech.
(05/15 – 07/15)	<p>Senior Management and Data Oversight Hays County; Caldwell County; City of Houston, Texas Severe Storms, Tornadoes, Straight-Line Winds, and Flooding Program Management</p> <p>The jurisdictions of Hays County, Caldwell County, and the City of Houston were among the many Texas communities impacted by the torrential rainfall in May of 2015. Tetra Tech was activated by the aforementioned communities to provide program management and disaster debris monitoring services.</p> <ul style="list-style-type: none"> • Mr. Yao served as a senior management and data oversight manager for the Texas projects. He supported the projects by developing health and safety plans and verifying the projects met the project operations, timeline, deliverable, and budget standards for Tetra Tech.
(04/15 – 09/15)	<p>Debris Management Consultant City of Winter Springs, Florida FEMA-Compliant Disaster Debris Management Plan</p> <p>Mr. Yao assisted the City in developing their first DDMP in 2007. As such, the City requested Mr. Yao's assistance in updating the City plan to meet current FEMA guidelines as well as compliance under the FEMA Public Assistance Alternative Procedures (PAAP) Pilot Program.</p> <ul style="list-style-type: none"> • Mr. Yao collaborated with the City to update their DDMP. • Mr. Yao also facilitated a force account workshop to train the City's key staff on updated documentation policies and procedures as they relate to force account labor and equipment.

Firm employed by Tetra Tech			
Name	Wade Greene		Years of relevant experience with this employer
Title	Monitor Supervisor		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		N/A	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Monitor Supervisor Mr. Greene is a field operations manager who is experienced in all aspects of debris monitoring and required documentation to satisfy the requirements of multiple funding sources. Mr. Greene is responsible for the implementation of Tetra Tech's work plans, dispatching field personnel, staffing, safety, field logistics, and training. Mr. Greene will verify eligibility and compliance; oversee collection and disposal operations; and coordinate directly with debris contractors, data managers, and project managers.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
(09/20 – Present)	Project Manager Cities of DeQuincy and Vinton, LA Hurricane Laura Making landfall as a Category 4 storm, Hurricane Laura had a devastating impact throughout the State of Louisiana. Mr. Green serves as project manager for the cities of DeQuincy and Vinton. Some of Mr. Green's responsibilities have included establishing a staffing structure, hiring, and training local field monitors, logistics, field oversight, and daily reporting. To date, Tetra Tech has monitored the removal over 150,000 cubic yards of debris across the two cities.		
(07/20 – 08/20)	Project Manager Colleton County, SC Easter Tornado On the Monday after Easter a chain of severe storms swept across South Carolina, damaging over 1,500 homes. Colleton County activated Tetra Tech, under a pre-positioned contract to provide disaster debris monitoring services. Mr. Green coordinated with City officials and debris removal contractors throughout operations. He was also responsible for staffing, project oversight, logistics and reporting.		
(11/19 – 12/20)	Project Manager City of New Bern, NC Hurricane Dorian Following the exhaustive efforts of the City of New Bern, North Carolina's (City) force account team to clear roadways and public use areas of debris generated by Hurricane Dorian, Tetra Tech was engaged to oversee, monitor, and reconcile the final reduction and disposal of debris. Mr. Greene in currently leading our team's efforts that include daily project scheduling, tracking debris to final disposal, and documenting site remediation		

(01/19 – 09/19)	<p>Branch Director Camp Fire, CA – CalRecycle Mr. Greene served as Branch Director during Tetra Tech’s engagement with Cal Recycle following the most destructive wildfire in California State History. As a Branch Director, Mr. Greene’s was responsible for the day-to-day coordination of approximately 40 field staff. Mr. Quade was also responsible for managing conflict resolution in the field, coordination with property owners, and ensuring the that the projects’ Debris Removal Operations Plan (DROP) was adhered to.</p>
(09/18 – 01/19)	<p>Division Supervisor Carr Fire, CA – CalRecycle Mr. Greene was served and a Division Supervisor following the Carr Fire that destroyed more than 1600 structures over 229,000 acres Northern California in July and August of 2018. Mr. Greene’s responsibility included oversight of field staff, ensuring that Tetra Tech’s Health and Safety Plan we executed and followed, ensuring the integrity of field documentation an upward daily reporting of field activities in his assigned area and with his assigned direct reports.</p>
(06/18 – 08/18)	<p>Operations Manager Danbury, New Fairfield, Southbury, Brookfield, Connecticut Severe Storms, Tornadoes, and Straight-Line Winds In late May of 2018, Southwest Connecticut experienced one on of the most severe tornado outbreaks in State History. Tetra Tech was activated by multiple Cities and Town to oversee and document the removal of debris generated by this unprecedented event. Mr. Greene served as field Operations manager for 4 affected communities. Mr. Greene was responsible for Staff training and scheduling, truck certifications and coordinating field operations with debris removal contractors. In total, Tetra Tech documented the removal and disposal of nearly 200,000 cubic yards of FEMA eligible debris.</p>
(11/17 – 06/18)	<p>Operations Manager USACE (Napa & Mendocino Counties, California) Wildfire Disaster Mr. Greene serves as Operations Manager associated with the remediation of over 500 properties that were damaged or destroyed during the Northern California wildfire of 2017. Mr. Greene is responsible for scheduling of staff, ensuring that all Tetra Tech and USACE safety protocols were strictly followed, oversaw daily reporting and quality control of all field documentation.</p>

Firm employed by Tetra Tech			
Name	Kim Bowyer		Years of relevant experience with this employer
Title	EOC Liaison		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		Bachelors in Science (B.S.) / 2005 / Marketing	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		EOC Liaison Mr. Kim Bowyer is an industry expert in large-scale mobilizations, project staffing, and debris monitoring operations and has extensive experience in disaster debris project management support under the FEMA PA program. He has provided regional project management support, and overseen state-level projects, involving multiple municipalities. Mr. Bowyer recently served as project manager for the Virginia Department of Transportation following the worst ice storm in Virginia in the past 20 years. He has also overseen projects for the Connecticut Department of Transportation following Hurricane Sandy and Winter Storm Alfred. In 2020, Mr. Bowyer was recognized by our corporate office as Tetra Tech's Project Manager of the Month due to his excellent customer service and ability to provide efficient and cost-effective programs for our clients.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
(08/21 – Ongoing)	Regional Manager State of Louisiana Hurricane Ida Mr. Bowyer is currently serving as a regional manager as part of Tetra Tech's engagement with clients across Louisiana including St. James, St. Johns, and Iberville Parishes, in response to Hurricane Ida. Mr. Bowyer has been intimately involved in client planning meetings, staff training, disposal operations and ensuring Tetra Tech's health and safety plans are executed.		
(07/21 – 08/21)	Project Manager City of Miami, Florida Surfside Building Collapse Following the devastating 2021 Surfside Building collapse, Tetra Tech was on the ground in Miami-Dade County to provide debris monitoring and evidentiary chain of custody tracking. The building collapse required calculated operations to remove debris as building investigation and search for missing persons was still underway. In total, Tetra Tech monitored the removal of 10,264 tons of debris from the site. Deployed immediately <ul style="list-style-type: none"> • Document removal of evidentiary debris a transport to staging area for evidentiary review • Over removal of Demolition debris • Overseeing/documenting final processing of all debris 		

(02/21 – 06/21)	<p>Project Manager Virginia Department of Transportation – Richmond District Winter Storm Mr. Bowyer is currently managing debris removal monitoring for a 14 County region in Central Virginia following the worst ice storm to impact Virginia in the past 20 years. It is anticipated that over 200 local monitors will be hired and trained during peak operations, and will include an estimated 80,000 leaners and hangers.</p>
(09/20 – 02/21)	<p>Regional Manager SW Louisiana Hurricanes Laura & Delta Mr. Bowyer was responsible for project oversight of 6 congruent recovery operations, including 200+ local debris monitors. He oversaw overall operations, recruiting of local staff, and was responsible for weekly progress reporting to the State of Louisiana.</p>
(07/20 – 08/20)	<p>Project Manager Cities of Edinburgh and Pharr, TX Hurricane Hanna Tetra Tech provided an immediate response to the Cities of Edinburgh and Pharr, Texas. Mr. Bowyer served as project manager where he was responsible for staff training and scheduling, operational coordination between contracted debris haulers and City stakeholders. Over the course of the project, Mr. Bowyer oversaw day-to-day operations of 2 congruent projects with 40+ staff.</p>
(04/20 – Ongoing)	<p>Project Manager Harris County Homeless Medical Isolation Mr. Bowyer oversaw intake of patients and documented length of stay and provided daily and weekly occupancy and staffing reports to the Harris County Community Development Services. He ensured proper distribution of essentials (meals, water, etc.), and coordinated arrivals and departures of residents with Harris County Sheriff's office.</p>
(01/19 – Ongoing)	<p>Quality Control Officer Camp Fire, CA – CalRecycle Mr. Bowyer serves as Quality Control Officer on the CalRecycle Camp Fire project. His responsibilities include oversight, quality control, and planning in relation to the environmental sampling and debris removal from nearly 17,000 structures.</p>
(10/18 – 12/18)	<p>Regional Project Manager State of Georgia – United States Army Corps of Engineers (USACE) Mr. Bowyer served a regional project manager for the USACE mission to remove debris that was a result of Hurricane Michael in the State of Georgia. He oversaw debris removal documentation requirements for the southern region counties that were part of the USACE mission.</p>

Firm employed by Tetra Tech			
Name	Paris Atkinson		Years of relevant experience with this employer
Title	Office Supervisor		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		Bachelor of Science (B.S.) / 2005 / Psychology	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Office Supervisor Ms. Paris Atkinson is a senior data manager and billing/invoice analyst, where her responsibilities include data management, management of monitoring documentation for the Federal Emergency Management Agency (FEMA), invoice reconciliation, and the use of our automated debris management system (ADMS). She has extensive experience on all aspects of program data management up to and including project closeout and post-closeout audit support. Ms. Atkinson possesses knowledge and understanding of federal grant programs, including the Federal Highway Administration (FHWA) Emergency Relief (ER) Program and FEMA PA Program.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
(09/18 – 12/18)	Data Assessment Manager Carr Fire – CalRecycle Ms. Atkinson served as a data manager on the Carr Fire recovery program in Shasta County, CA. Ms. Atkinson was responsible for supporting the electronic management and tracking of site documentation and quality assurance and quality control on the project database used for tracking debris removal costs and daily reconciliation.		
(09/17 – 08/18)	Regional Data Manager State of Florida Hurricane Irma Disaster Debris Program Management Hurricane Irma impacted almost the entire state of Florida. As such, Tetra Tech managed numerous program management and monitoring projects throughout the state. Ms. Atkinson served as a regional data manager and oversaw daily data and invoice reconciliation operations of projects throughout Florida including Hillsborough County, Polk County, Miami-Dade County and Orange County. Ms. Atkinson provided senior level leadership and guidance to field data managers including FEMA compliance management, QA/QC of collection data, and the management and documentation of specialized programs such as hazardous tree and hanger removal. Ms. Atkinson also managed a team of invoice reconcilers who reviewed and submitted reconciled hauler invoices to clients.		

(08/17 – 06/18)	<p>Regional Data Manager State of Texas Hurricane Harvey Disaster Debris Program Management Mr. Atkinson served as a regional data manager following the aftermath of Hurricane Harvey. She provided senior level leadership and guidance to field project managers. Ms. Atkinson verified field data managers followed standard operating procedures to manage and report debris collection statistics and progress. Ms. Atkinson also managed a team of invoice reconcilers that reviewed and submitted reconciled hauler invoices to Tetra Tech's Texas clients.</p>
(08/17 – 06/18)	<p>Regional Data Manager State of Texas Hurricane Harvey Disaster Debris Program Management Mr. Atkinson served as a regional data manager following the aftermath of Hurricane Harvey. She provided senior level leadership and guidance to field project managers. Ms. Atkinson verified field data managers followed standard operating procedures to manage and report debris collection statistics and progress. Ms. Atkinson also managed a team of invoice reconcilers that reviewed and submitted reconciled hauler invoices to Tetra Tech's Texas clients.</p>
(09/16 – 06/17)	<p>Regional Data Manager State of Florida Hurricane Matthew Disaster Debris Program Management Ms. Atkinson served as a regional data manager and provided senior level leadership and guidance to field project managers. Hurricane Matthew primarily impacted Florida's east coast communities such as Volusia, Flagler, and St. John's County. Ms. Atkinson also performed quality assurance checks on field data managers to verify proper project reporting and data management. Ms. Atkinson also led a team of reconcilers to review and process debris hauler invoices for submission to Tetra Tech's Florida clients.</p>
(10/15 – 08/16)	<p>Senior Data Manager Lake County, California Valley Fire Disaster Debris Program Management Lake County, California was one of the counties severely impacted by the Valley Fire, which burned over 76,000 acres across Lake, Napa, and Sonoma Counties prior to being fully contained. Tetra Tech was retained by the County to provide program management and debris monitoring services. In addition to a right-of-way debris and hazardous tree removal program, the County also initiated a selective private property debris removal (PPDR) program. One of the unique aspects of the County is the enormous trees along the rights-of-way. Thousands of fire hazard trees were identified throughout the County that, though located on private property, could post a threat to County maintained roads. As a result, the County initiated a selected PPDR program to address standing dead trees on private property that could impact County roads. Ms. Atkinson served as a senior data manager and was responsible for FEMA compliance management, including QA/QC of data and managing the documentation.</p>

Firm employed by Tetra Tech			
Name	Jeff Dickerson		Years of relevant experience with this employer
Title	GIS/Data Analyst		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		Associate of Science (A.S.) / 1997 / Nuclear Engineering Technology	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		<p>GIS/Data Analyst</p> <p>Mr. Jeffrey Dickerson has more than 30 years of experience in program management, with extensive experience in technical organizational management, training, and process improvement through technology. He is a military veteran with skills in leadership, training, and personnel development. As the Technical Applications Manager, Mr. Dickerson is responsible for the planning, development, deployment, and management of technical applications supporting disaster debris monitoring programs.</p> <p>Mr. Dickerson has led the development and support of Tetra Tech's <i>RecoveryTrac</i>™ ADMS. As one of only three systems validated by the USACE, it is the preferred provider by the USACE contractors, providing ADMS services to 6 of 8 USACE districts globally. The flexibility and GIS capabilities of <i>RecoveryTrac</i>™ ADMS provide best-in-class reporting and analysis tools, and enable direct integration into Client GIS, PowerBI and reporting systems thus providing excellent transparency in Tetra Tech's disaster debris monitoring programs.</p>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
(03/21 – Ongoing)	<p>Senior Project Manager</p> <p>Emergency Rental Assistance Program Various Clients</p> <p>Established the infrastructure for 2 project offices supporting Call Center and Application Review services. The offices supported over 400 team members providing Internet connectivity and workstation equipment. Communications included VOIP phone system, Call Center call handlers, Email and SMS tools.</p>		
(07/19 – Ongoing)	<p>Program Manager</p> <p>Puerto Rico Department of Housing (PRDOH) R3 Puerto Rico CDBG Program</p> <p>Mr. Dickerson managed technical program and staffing for the HUD-mandated environmental reviews (Tier II Site Specific Reviews)), Damage Assessment Inspection/Cost Estimate, LBP, and Asbestos Inspection program in accordance</p>		

	with 24 CFR Part 58 and the current Puerto Rico PRHOH R3 Program Environmental Review (Tier II) Procedures for an estimated 60,000 hurricane and flood damaged properties.
(10/19 – Ongoing)	<p>Program Manager Harris County, Project Recovery CDBG Program Mr. Dickerson managed technical program and staffing for the HUD-mandated environmental reviews (Tier II Site Specific Reviews), Damage Assessment Inspection/Cost Estimate, and LBP program in accordance with 24 CFR Part 58 for an estimated 2,500 hurricane and flood damaged properties.</p>
(12/18 – Ongoing)	<p>Project Manager State of Florida, Rebuild FL CDBG Program Mr. Dickerson managed technical program and staffing for the HUD-mandated environmental reviews (Tier II Site Specific Reviews), Damage Assessment Inspection/Cost Estimate and LBP Inspection program in accordance with 24 CFR Part 58 and the current Florida Department of Economic Opportunity (DEO) Program Environmental Review (Tier II) Procedures for an estimated 7,000 flood damaged properties.</p>
(11/18 – Ongoing)	<p>Project Manager State of Texas, Rebuild TX CDBG Program Mr. Dickerson managed the HUD-mandated environmental reviews program and staffing (Tier II Site Specific Reviews), Damage Assessment Inspection/Cost Estimate and LBP Inspection program in accordance with 24 CFR Part 58 and the Texas General Land Office (GLO) Program Environmental Review (Tier II) Procedures for an estimated 1,200 flood damaged properties.</p>
(07/18 – 10/19)	<p>Project Manager State of North Carolina, Rebuild NC CDBG-DR Program Mr. Dickerson managed the HUD-mandated environmental reviews program and staffing (Tier II Site Specific Reviews) and LBP/Asbestos Inspection program in accordance with 24 CFR Part 58 and the NCEM/NCORR Program Environmental Review (Tier II) Procedures for an estimated 1,300 flood damaged properties.</p>
(05/17 – Ongoing)	<p>Deputy Project Manager State of Louisiana, Restore Louisiana (ReLa) CDBG Program Mr. Dickerson managed the HUD-mandated environmental reviews (Tier II Site Specific Reviews) in accordance with 24 CFR Part 58 and the current Restore Louisiana Program Environmental Review (Tier II) Procedures for over 24,500 flood damaged properties.</p>

Firm employed by ELOS Environmental				
Name	Joshua Macheca		Years of relevant experience with this employer	5 years
Title	Office Support		Years of relevant experience with other employer(s)	N/A
Degree(s) / Years / Specialization			Associate of Applied Science (AAS) / 2016 / Drafting and Design Technologies	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Office Support <p>Mr. Macheca began his career at ELOS as a GIS specialist. Soon after, he began working as a licensed Louisiana Lead Paint Inspector and Lead Hazard Risk Assessor as part of the Restore Louisiana Program. During this project, Mr. Macheca traveled to various locations across the state making first contact with many residents requesting government assistance in restoring their homes to livable conditions after the major flooding events of 2016. After his proven success and efficiency, Mr. Macheca was promoted to Management of the Lead Project for ELOS in 2018. Mr. Macheca manages ELOS's New York Lead project for which he puts together proposals, coordinates documents and data, ensures employees and clients are in compliance with state regulations, coordinates employee scheduling, and attends phone conferences with project stakeholders to ensure all methodologies and data collections are in line with program protocols. Along with those projects, Mr. Macheca continues to lead ELOS's team of industrial hygiene staff and serves as the project manager for ongoing industrial hygiene projects which include lead, asbestos, and mold testing efforts. Mr. Macheca utilizes his skills to develop positive working relationships with owners affected by disasters along with the team of employees under his responsible charge. Since Hurricane Laura, Mr. Macheca has been responsible for the recruitment and management of nearly 200 debris monitors operating on projects throughout the state of Louisiana.</p>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
(04/20 – 02/21)	<p>MCNEESE STATE UNIVERSITY MOLD SURVEY AND INSPECTION <i>LAKE CHARLES, LA, INSPECTOR COORDINATOR ASSISTANT</i></p> <p>ELOS was contracted by McNeese State University and the State of Louisiana to provide mold surveys/inspections and air clearance examinations. Mr. Macheca assisted the coordinator to help provide logistics of the mold inspections at McNeese State University. During the project, Mr. Macheca took on a leadership role and provided direction for the project as well as</p>			

	<p>his technical knowledge. He assisted in completing mold inspection on 34 buildings and assisted with the preparation of the final report product. Mr. Macheca also aided in the organization of all the recorded data for inclusion in the final report. Mr. Macheca provided the project with a positive work ethic and attitude, attention to detail, planning, and reporting efforts in order to efficiently and effectively perform all required field survey tests.</p>
(07/19 – Ongoing)	<p>CITY OF KENNER ENVIRONMENTAL QUALITY INSPECTIONS KENNER, LA, TEAM MANAGER</p> <p>Mr. Macheca is the project manager overseeing the coordination of efforts in performing environmental quality inspections requested by the City of Kenner which will include lead, asbestos, and mold testing. Mr. Macheca is also licensed in Louisiana and functions as one of the senior lead paint inspectors and risk assessors for the program, as well as being a licensed asbestos inspector. Mr. Macheca is in charge of overseeing the coordination of the necessary lead paint, asbestos, and mold inspections, as well as overseeing the preparation of the final report product.</p>
(07/17 – 08/20)	<p>RESTORE LOUISIANA PROGRAM STATEWIDE, TEAM MANAGER</p> <p>Mr. Macheca is the project manager for the lead paint program at ELOS Environmental, LLC. Mr. Macheca is also licensed in Louisiana and functions as one of the senior lead paint inspectors and risk assessors for the program. Mr. Macheca has worked as part of the RESTORE Louisiana program since November of 2017 completing hundreds of lead paint inspections and hazard risk assessments. During that time period, Mr. Macheca used his leadership skills to provide direction and maximize the success of the program as well as relying on his technical knowledge of HUD and EPA standards to efficiently and properly complete all fieldwork.</p>
(05/17 – Ongoing)	<p>NEW YORK LEAD NEW YORK, PROJECT MANAGER</p> <p>ELOS was contracted by the New York Health Department and Tetra Tech to provide lead paint inspections in multifamily dwelling complexes built prior to 1978. ELOS is providing lead paint inspections and data in order to provide the results in an official report documenting the presence of any lead hazards. To date, ELOS has completed inspections in approximately 7,000 units. Mr. Macheca is the project manager for the New York Lead project. He oversees all elements of this ongoing project including recruiting and managing project staff, coordinating with owners of multi-family units, managing XRF lead testing, and communicating with the New York Housing Authority.</p>
(02/20 – 01/21)	<p>LAKE CHARLES DEBRIS MONITORING LAKE CHARLES, LA, PROJECT MANAGER</p> <p>In 2020, hurricane Laura caused substantial damage to the city of Lake Charles. ELOS was contracted by Tetra Tech, Inc. to provide technically trained staff to assist in the monitoring of the removal of debris. Mr. Macheca oversaw the management of over 100 contract workers, coordinated with the affiliated parties (including the city of Lake Charles and FEMA), and oversaw the distribution of payment to contractors.</p>

Firm employed by ELOS Environmental				
Name	Brittany Berthelot		Years of relevant experience with this employer	5 years
Title	Office Support		Years of relevant experience with other employer(s)	3 years
Degree(s) / Years / Specialization			Bachelor of Science (B.S.) / 2009 / Organismal and Integrative Biology Master of Science (M.S.) / 2016/ Environmental Sciences	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Office Support Brittany Berthelot serves as the Chief Operating Officer of ELOS. Her thesis work, which focused on the accumulation of polycyclic aromatic hydrocarbons (PAHs) in crawfish, won an award from LSU in 2017 for outstanding research. Her technical skills support all ELOS service lines, working closely with ELOS staff and clients to ensure projects are completed in an effective and efficient manner. Mrs. Berthelot provides quality control of data and project documents and supports project managers with complex, multifaceted, and time-sensitive projects. Mrs. Berthelot is a biologist and experienced environmental regulatory specialist who also serves as the lead on all ELOS wetland mitigation projects. She provides the ELOS team with experience in wetland delineations, wetland permitting, wetland mitigation, wetland restoration, National Environmental Policy Act compliance, cultural resources management, levee permitting and Section 408 permissions, and other natural resources management.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
(03/16 – 05/21)	LIVINGSTON NRCS WATERWAY DEBRIS REMOVAL LIVINGSTON PARISH, LA, PROJECT MANAGER Livingston Parish retained ELOS to guide the Parish through the EWP program processes. Ms. Berthelot utilized her experience managing project resources to ensure ELOS assets were allocated efficiently to ensure the success of the project. Ms. Berthelot managed the project for ELOS, coordinating the provision of field crews to monitor the site for debris removal and the preparation of debris removal reports per NRCS requirements, as well as corresponding and coordinating with government agencies and adjacent landowners.			
(11/17 – 06/20)	ASCENSION PARISH DRAINAGE MAINTENANCE PROJECTS ASCENSION PARISH, LA, ENVIRONMENTAL SCIENTIST ELOS was under contract with the Ascension Parish Government’s East Ascension Drainage District No.1 (Drainage District) over the last 3 years to provide permitting assistance and wetland delineation services for the maintenance of drainage canals throughout the Parish. Ms. Berthelot managed ELOS’s environmental scientists conducting various wetland			

	delineations for multiple canals and the collection of other necessary data to support the issuance of permits from USACE and DNR.
(06/21 – Ongoing)	<p>CITY OF KINDER DRAINAGE IMPROVEMENTS ALLEN PARISH, LA, RESOURCE MANAGER/ENVIRONMENTAL SCIENTIST</p> <p>The City of Kinder has been working with FEMA to receive funding for drainage canal debris removal due to damages caused by the influx of hurricane activity in 2020. Ms. Berthelot coordinated project resources to assist Allen Parish in moving forward with the removal of woody and other accumulated debris in the waterways to restore drainage capacity and function. Her efforts included coordinating professional environmental scientists to obtain environmental permits (USACE, DNR CUP, and LDWF Scenic Rivers), identify jurisdictional wetlands, obtain, and record data for Damage Survey Reports, and utilize GIS software for mapping of waterways.</p>
(05/19 – Ongoing)	<p>FIRETOWER ROAD MITIGATION LIVINGSTON PARISH, LA, RESOURCE MANAGER/ENVIRONMENTAL SCIENTIST</p> <p>Mrs. Berthelot has assisted with the prospectus to be submitted to the U.S. Army Corps of Engineers to initiate the process of establishing the Firetower Road Mitigation Bank. The prospectus included the following: completion of a wetland delineation on the site and submitting the report to the USACE for a Jurisdictional Determination, completion of a Joint Permit Application to submit to the Louisiana Department of Natural Resources, Office of Coastal Management to obtain a Coastal Use Permit under the Louisiana State and Local Coastal Resources Management Act, to the USACE to obtain a permit under Section 404 of the Clean Water Act and/or Section 10 of the Rivers and Harbors Act, and to the Louisiana Department of Environmental Quality for a Water Quality Certification, and completion of the Louisiana Rapid Assessment Method (LRAM) to quantify the potential of the proposed bank to mitigate unavoidable wetland impacts within the proposed service area of the bank.</p>
(02/18 – Ongoing)	<p>JEFFERSON PARISH PUMP STATIONS, VETERANS BOULEVARD (ENVIRONMENTAL ASSESSMENT) METAIRIE, LA, RESOURCE MANAGER/ENVIRONMENTAL SCIENTIST</p> <p>Ms. Berthelot coordinated ELOS efforts and provided quality assurance to update the existing permit applications and prepared an environmental assessment for the Section 408 permit review. The project was proposed by Jefferson Parish Government to improve street drainage at the Veterans Boulevard crossing of the 17th Street Canal. Jefferson Parish proposes to install two pump stations along the west side of the canal, one north and one south of Veterans Boulevard.</p>
(06/18 – Ongoing)	<p>JAMESTOWN MITIGATION BANK I AND II LIVINGSTON PARISH, LA, ENVIRONMENTAL SCIENTIST</p> <p>ELOS Environmental is currently contracted to provide general services to assist in mitigation bank needs. Mrs. Berthelot has managed documentation, monitoring reports, and credits for 966 acres of restored wetlands developed as a mitigation bank.</p>

Firm employed by ELOS Environmental			
Name	Drake Arnone		Years of relevant experience with this employer
Title	Office Support		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		Bachelor of Science (B.S.) / 2016 / Biological Science	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Office Support Mr. Arnone has served as an environmental scientist at ELOS since he began in 2017. His responsibilities have included conducting wetland delineations, environmental site assessments, Phase I ESAs, endangered species surveys, and Section 10/404 Clean Water Act permitting, consultant, mold assessment, and air quality sampling. Mr. Arnone has also served as an archaeological technician, assisting in field and lab work involved in Section 106 reviews. Mr. Arnone has served as a licensed Louisiana lead inspector and lead hazard risk assessor as part of the Restore Louisiana Program. He is also a licensed asbestos inspector. His role at ELOS includes working with clients to determine what is needed for each industrial hygiene project and answer any questions they may have throughout the project. Mr. Arnone serves as a senior inspector and risk assessor on the industrial hygiene team, leading and advising the team for each project.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
(08/20 – Ongoing)	MCNEESE STATE UNIVERSITY <i>LAKE CHARLES, LA, MOLD SURVEY AND INSPECTOR COORDINATOR ASSISTANT</i> ELOS was contracted by McNeese State University and the State of Louisiana to provide mold surveys/inspections and air clearance examinations. Mr. Arnone, the coordinator to help provide logistics of the mold inspections at McNeese State University. He assisted in completing mold inspection on 34 buildings and assisting with the preparation of the final report product. Mr. Arnone also aided in the organization of all the recorded data for inclusion in the final report. Mr. Arnone worked proficiently and diligently to perform all required field survey tests.		
(02/19 – Ongoing)	NEW YORK HEALTH DEPARTMENT LEAD INSPECTIONS <i>NEW YORK, SENIOR INSPECTOR/RISK ASSESSOR</i> ELOS was contracted by Tetra Tech to conduct lead-based paint inspections and clearances for homeowners in New York to receive government funding to repair their homes. Mr. Arnone’s role in these projects include training and preparing a safety plan to reflect project specifics. He is also responsible for researching and acquiring the needed documentation in		

	order for inspectors to become licensed to perform projects. Lastly, Mr. Arnone is responsible for working closely with project managers in order to coordinate project logistics.
(12/19 – Ongoing)	<p>REBUILD FLORIDA SENIOR INSPECTOR/RISK ASSESSOR</p> <p>ELOS was contracted to conduct lead-based paint inspections and clearances for homeowners in the state of Florida. These inspections are required in order for homeowners to receive government funding to repair their homes. Mr. Arnone's role in the projects includes training and preparing a safety plan to reflect project specifics. Mr. Arnone was also responsible for researching and acquiring the documentation needed for inspectors to become licensed to perform projects. Lastly, Mr. Arnone was responsible for working closely with project managers to coordinate project logistics.</p>
(06/19 – Ongoing)	<p>CITY OF KENNER ENVIRONMENTAL QUALITY INSPECTIONS KENNER, LA, SENIOR INSPECTOR/RISK ASSESSOR</p> <p>ELOS was contracted by the City of Kenner to provide environmental quality inspections in twelve of its municipal buildings. Mr. Arnone functions as one of the senior lead paint and asbestos inspectors/risk assessors performing the environmental quality inspections requested by the City of Kenner which will include Lead, Asbestos, and Air Quality testing. Mr. Arnone is licensed in Louisiana as a lead paint inspector and risk assessor for the program, as well as being a licensed asbestos inspector. Mr. Arnone is in charge of overseeing the coordination of field logistics for completing lead paint, asbestos, and mold inspections, as well as overseeing and assisting with the preparation of the final report product.</p>
(03/19 – Ongoing)	<p>ST. ROSALIE SITE PHASE II CULTURAL RESOURCES INVESTIGATION PLAQUEMINES PARISH, LA, CULTURAL RESOURCES FIELD TECHNICIAN</p> <p>In support of a Phase II Cultural Resources Survey and Investigation of a historic site in Plaquemines Parish, Mr. Arnone assisted project managers with the preparation of the fieldwork. This preparation consisted of surveying the site for previous damage, taking photos, as well as corresponding GPS coordinates. Mr. Arnone also assisted archaeologists to perform shovel test pit excavation, as well as supported efforts in the Cultural Resources Lab, cleaning, organizing, and cataloging artifacts. Finally, Mr. Arnone assisted in the final phase of the project by preparing the required documentation for the client.</p>
(04/18 – 06/18)	<p>UNITI FIBER RED RIVER DIRECTIONAL BORING BOSSIER AND CADDO PARISHES, LA, ENVIRONMENTAL SCIENTIST, 2018</p> <p>ELOS was tasked with coordinating with the Bossier and Caddo Levee Districts, the U.S. Army Corps of Engineers, and the U.S. Coast Guard to obtain permitting for directional boring under the Red River in Shreveport, LA. Mr. Arnone served on a team of environmental scientists and technicians to provide all the necessary data to each entity listed above in order to obtain permits for the project. Mr. Arnone compiled and organized all the necessary data and permitting forms associated with the project.</p>

Firm employed by ELOS Environmental			
Name	Rick Neal		Years of relevant experience with this employer
Title	GIS/Data Analyst		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		Bachelor of Science (B.S.) / 2002 / Computer Science	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		GIS/Data Analyst Almost all ELOS projects begin with data collection and mapping. As such, Mr. Neal assists the GIS team to touch on every project, providing data collection and mapping services for clients. Mr. Neal has served as a GIS Technician at ELOS since he began in December of 2019. His responsibilities have included assisting in preparing technical reports and analyzing data through the use of GIS on nearly all ELOS projects. Mr. Neal has experience with ArcGIS Online, Collector of ArcGIS, Survey 123, Expert GPS, BaseCamp, and Google Earth. With the use of these software programs, he collects and interprets field data in support of environmental analyses and impact assessments. The figures and maps he creates are vital to the development of National Environmental Policy Act (NEPA) documentation, Threatened and Endangered (T&E) Species Surveys, Wetlands Delineations and Jurisdictional Determinations, Phase I Environmental Site Assessments, Section 404/10, and Coastal Use Permit applications, and wetlands assessment models. Mr. Neal has also served as a licensed Louisiana lead inspector and lead hazard risk assessor as part of the Restore Louisiana Program.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
(9/19 – Ongoing)	CITY OF KENNER GIS Mr. Neal assisted with identification, locating, documenting, and mapping of drain lines and drain inlets for the City of Kenner.		
(1/19 – Ongoing)	ANDERSON CANAL MITIGATION BANK TANGIPAHOA PARISH, LA. GIS TECHNICIAN Mr. Neal assisted in documenting measurements and mapping of both current and proposed cut areas for Anderson Canal.		
(4/19 – Ongoing)	CITY OF KENNER ENVIRONMENTAL QUALITY INSPECTIONS KENNER, LA. SENIOR INSPECTOR/RISK ASSESSOR Mr. Neal functions as one of the lead paint and asbestos inspectors/risk assessors performing the environmental quality inspections requested by the City of Kenner which will include Lead, Asbestos, and Air Quality testing. Mr. Neal is licensed		

	in Louisiana as a lead paint inspector and risk assessor for the program, as well as being a licensed asbestos inspector. Mr. Neal is in charge of overseeing the coordination of field logistics for completing lead paint, asbestos, and air quality inspections, as well as overseeing and assisting with the preparation of the final report product.
(03/19 – Ongoing)	<p>CITY OF KENNER ENVIRONMENTAL QUALITY INSPECTIONS KENNER, LA. SENIOR INSPECTOR/RISK ASSESSOR</p> <p>Mr. Neal functions as one of the lead paint and asbestos inspectors/risk assessors performing the environmental quality inspections requested by the City of Kenner which will include Lead, Asbestos, and Air Quality testing. Mr. Neal is licensed in Louisiana as a lead paint inspector and risk assessor for the program, as well as being a licensed asbestos inspector. Mr. Neal is in charge of overseeing the coordination of field logistics for completing lead paint, asbestos, and air quality inspections, as well as overseeing and assisting with the preparation of the final report product.</p>
(02/19 – Ongoing)	<p>ST. ROSALIE SITE PHASE II CULTURAL RESOURCES INVESTIGATION PLAQUEMINES PARISH, LA, GIS TECHNICIAN</p> <p>Mr. Neal assisted in documenting and mapping soil types for soil test units.</p>

Firm employed by ELOS Environmental			
Name	Chris Crain		Years of relevant experience with this employer
Title	GIS/Data Analyst		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		N/A	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		GIS/Data Analyst ELOS projects begin with data collection and mapping. Mr. Crain is responsible for providing data collection and mapping services to clients. Mr. Crain's past work experience is beneficial when working with ArcGIS Online, Collector of ArcGIS, Survey 123, Expert GPS, Basecamp, and Google Earth to ensure quality mapping products are provided to our clients. With the use of these software programs, he is proficient in GIS/AutoCAD Drafting and Design. The figures and maps Mr. Crain generate are vital to the development of NEPA documentation, Threatened and Endangered (T&E) Species Surveys, Wetlands Delineations and Jurisdictional Determinations, Phase I Environmental Site Assessments, Section 404/10 and Coastal Use Permit applications, and wetlands assessment models. Mr. Crain has experience with government office operations, computer hardware repair, computer technical support, and customer service.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
(04/18 – 7/18)	REIMERS POLLARD BRANCH MITIGATION BANK TANGIPAHOA PARISH, LA. GIS ANALYST Mr. Crain served as one of the GIS Analysts who was responsible for generating, updating, and editing shapefiles to plan view maps on approximately 1415 acres of the site.		
(07/19 – Ongoing)	ST. ROSALIE SITE PHASE II CULTURAL RESOURCES INVESTIGATION PLAQUEMINES PARISH, LA. GIS ANALYST In support of the Cultural Resources Survey and investigation of the historic site in Plaquemines Parish, Mr. Crain assisted archeologists by researching a previous wetland delineation investigation. Mr. Crain was also responsible for performing GIS functions such as desktop wetland delineations, mapping out transect locations, and generating topographical figures.		

(02/19 – 05/19)	<p>LIVINGSTON PARISH WATERWAYS DEBRIS CLEANOUT PROJECT LIVINGSTON PARISH, LA. GIS ANALYST</p> <p>ELOS was contracted to perform debris surveys by Environmental Compliance Monitors for approximately 380 miles of waterways to clean out debris in Livingston Parish. Mr. Crain provided ELOS monitors with map figures. The figures displayed points of access and coordinated locations of the site to assist the local parish government with restoring waterways to pre-storm conditions from the August 2016 flood event.</p>
(11/19 – 12/19)	<p>LIVINGSTON PARISH WATERWAYS DEBRIS CLEANOUT PROJECT LIVINGSTON PARISH, LA. GIS ANALYST</p> <p>ELOS was contracted to perform debris surveys by Environmental Compliance Monitors for approximately 380 miles of waterways to clean out debris in Livingston Parish. Mr. Crain provided ELOS monitors with map figures. The figures displayed points of access and coordinated locations of the site to assist the local parish government with restoring waterways to pre-storm conditions from the August 2016 flood event.</p>
(05/19 – 7/19)	<p>ANDERSON CANAL POTENTIAL MITIGATION BANK PONCHATOULA TANGIPAHOA PARISH, LA. GIS ANALYST</p> <p>Mr. Crain assisted the project as a GIS Analyst who gathered data to support a wetland delineation. Mr. Crain also provided GIS mapping services for many applications of the project. Chalmette Refining-PBF Energy, St. Bernard Parish, LA. GIS Analyst – 2018. Mr. Crain was one of the GIS Analysts to update and edit figures including topographical maps. He also was tasked with marking out boring locations on the site.</p>
(03/19 – Ongoing)	<p>CITY OF KENNER GIS KENNER, LA. GIS ANALYST</p> <p>Mr. Crain performed GIS functions that supported the identification, location, documentation, and mapping of drain lines and drain inlets for the City of Kenner. He also provided code inspection surveys and a Planetarium megadome story map for the city of Kenner as well.</p>

Firm employed by ELOS Environmental			
Name	Ryan Carter		Years of relevant experience with this employer
Title	GIS/Data Analyst		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		Bachelor of Science (B.S.) / 2017 / Urban Planning	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		GIS/Data Analyst Almost all ELOS projects begin with data collection and mapping. As such, Mr. Carter assists the GIS team to touch on every project, providing data collection and mapping services for clients. Mr. Carter has served as a GIS Technician at ELOS since he began in December of 2019. His responsibilities have included assisting in preparing technical reports and analyzing collected data through the use of GIS on nearly all ELOS projects. Mr. Carter has experience with ArcGIS Online, Collector of ArcGIS, Survey 123, Expert GPS, BaseCamp, and Google Earth. With the use of these software programs, he collects and interprets field data in support of environmental analyses and impact assessments. The figures and maps he creates are vital to the development of NEPA documentation, T&E Species Surveys, Wetlands Delineations and Jurisdictional Determinations, Phase I Environmental Site Assessments, Section 404/10 and Coastal Use Permit applications, and wetlands assessment models.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
(02/19 – Ongoing)	WEST FELICIANA DISASTER RECOVERY ASSISTANCE WEST FELICIANA PARISH, LA. GIS TECHNICIAN High waters from the 2019 Mississippi River flood stage event left significant sediment and vegetative debris on public rights of way inundated by the high river. West Feliciana Parish secured assistance from FEMA and the USDA/NRCS to fund removal of the debris and transport to approved local debris sites. Elements of both the debris removal and disposal required authorization from the USACE. ELOS Environmental was contracted by West Feliciana Parish through ROSTAN, Inc (prime) in order to conduct wetland delineations and manage permit requests in order to secure authorization to commence the debris removal work. ELOS also assisted with the project scope development and researching appropriate procedures and current approvals for disposal facilities. Mr. Carter serves as a GIS technician for the project and is responsible for assisting with the generation of topographical figures.		

(08/19 – 05/20)	CITY OF KENNER GIS Mr. Carter assisted with the identification, locating, documenting, and mapping of drain lines and drain inlets for the City of Kenner.
(10/19 – Ongoing)	ST. ROSALIE SITE PHASE II CULTURAL RESOURCES INVESTIGATION PLAQUEMINES PARISH, LA. GIS TECHNICIAN Mr. Carter assisted in documenting and mapping soil types for soil test units.
(06/19 – Ongoing)	ST. ROSALIE SITE PHASE II CULTURAL RESOURCES INVESTIGATION PLAQUEMINES PARISH, LA. GIS TECHNICIAN – 2019 – PRESENT. Mr. Carter assisted in documenting and mapping soil types for soil test units.
(03/19 – 04/19)	ADDIS 30 TRACT, GIS TECHNICIAN Mr. Carter assisted with documenting and mapped existing conditions, proposed impacts, and drainage flow for submission of permits for the site.
(02/19 – 05/19)	ACADIA PARISH DRAINAGE Mapping of Acadia Parish drainage districts and canals. Used drone footage to identify and map debris points.
(10/18 – 10/18)	DOTD RURAL BRIDGE REPLACEMENT INITIATIVE Assisted with permitting. Created maps.
(05/18 – 06/18)	LIVINGSTON PARISH ASSESSOR Researched land titles and identified unknown parcel data.

Firm employed by ELOS Environmental				
Name	Jesse McQuigg		Years of relevant experience with this employer	7 years
Title	GIS/Data Analyst		Years of relevant experience with other employer(s)	2 years
Degree(s) / Years / Specialization			Bachelor of Arts (B.S.) / 2014/ Drafting and Design	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			GIS/Data Analyst Almost all ELOS projects begin with data collection and mapping. As such, Mr. McQuigg and his team touch every project providing data collection and mapping services for clients. Mr. McQuigg has experience with ArcGIS Online, Collector of ArcGIS, Survey 123, Expert GPS, BaseCamp, and Google Earth. With the use of these software programs, he and his team collect and interpret field data in support of environmental analyses and impact assessments. The figures and maps he and his staff generate are vital to the development of NEPA documentation, T&E Species Surveys, Wetlands Delineations and Jurisdictional Determinations, Phase I Environmental Site Assessments, Section 404/10 and Coastal Use Permit applications, and wetlands assessment models. Mr. McQuigg leads a team of Certified Small Unmanned Aircraft Systems (SUAS) Remote Pilots, allowing ELOS to survey remote extents and environmentally sensitive areas in a non-invasive and efficient manner.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
(04/19 – Ongoing)	CITY OF KENNER GIS KENNER, LA, GIS/AUTOCAD MANAGER Mr. McQuigg performed GIS functions which supported the identification, location, documentation, and mapping of drain lines and drain inlets for the City of Kenner. He also provided code inspection surveys and a Planetarium megadome story map for the City of Kenner.			
	JEFFERSON TRANSIT BUS STOP IMPROVEMENTS DISTRICTS 1, 2, 4, AND 5 JEFFERSON PARISH, LA. GIS/AUTOCAD MANAGER, 2018 – PRESENT ELOS was contracted by the Jefferson Parish Government to assess the current condition of Jefferson Transit (JeT) bus stops in Jefferson Parish Council Districts 1, 2, 4, and 5, and recommend improvements to advance compliance with the Americans with Disabilities Act (ADA) of 1990 and Americans with Disabilities Act Amendments Act of 2009 (42 U.S. Code 126 §12101 et seq) and the pedestrian facilities nearby, identify priority areas, and create a plan for connectivity and accessibility of bicycle, transit, and pedestrian facilities. Mr. McQuigg manages the use of GIS, specifically utilizing Survey123 to collect data and images for real-time analysis and use in the planning processes.			

(06/17 – 08/17)	<p>LA 3234 EXTENSION TO HAMMOND AIRPORT ENVIRONMENTAL ASSESSMENT <i>TANGIPAHOA PARISH, LA, GIS/AUTOCAD MANAGER</i></p> <p>Mr. McQuigg managed and conducted data collection from multiple sources to establish field data collection points for the wetland's delineation and habitat identification through soil and terrain types. Mr. McQuigg post-processed GPS coordinates identifying the location of sample plots and sensitive areas that were provided to the client as GIS shapefiles for use in a comparative impact analysis.</p>
(11/16 – 2/16)	<p>US 51 (LA 22 TO CLUB DELUXE ROAD) DRAFT EA, PHASE I ESA, AND BIOLOGICAL SURVEY REPORT <i>TANGIPAHOA PARISH, LA, GIS/AUTOCAD MANAGER</i></p> <p>Mr. McQuigg provided data analysis of figure designs constructed in AutoCAD and ArcGIS. He developed maps using remote sensing aerial imagery and geographic information systems for the environmental assessment, wetlands delineations, Phase I ESA, and biological studies including gopher tortoise and red-cockaded woodpecker habitat analysis.</p>
(05/14 – 07/16)	<p>NEW ORLEANS TO VENICE (NOV)–NON-FEDERAL LEVEES (NFL) DRAINAGE IMPROVEMENTS SEA #537 AND PERMITTING <i>PLAQUEMINES PARISH, LA, GIS/AUTOCAD MANAGER</i></p> <p>Mr. McQuigg led the GIS team in the Plaquemines Parish Government search for coastal wetland mitigation locations to provide mitigation for the USACE-led NOV/NFL Project on the west bank of Plaquemines Parish. This consisted of a detailed review of aerial photography to identify brackish and fresh marsh areas experiencing land loss. Mr. McQuigg collected and compiled geospatial data and aerial imagery from available websites including SONRIS, USDA, LSU Atlas, and LDOTD for the NFL project area from La Reussite to St. Jude on the west bank. He received and converted AutoCAD site plan drawings into GIS shapefiles for purposes of calculating impacts to wetlands and other protected resources and prepared figures for the Supplement to the Final EIS, SEA #537, and the Section 404 permit application.</p>
(11/15 – 02/16)	<p>TANGIPAHOA PARISH EMERGENCY WATERSHED PROTECTION DEBRIS REMOVAL PROJECT <i>TANGIPAHOA PARISH, LA, GIS MANAGER</i></p> <p>ELOS was retained by Tangipahoa Consolidated Gravity Drainage District #1 (Drainage District) to provide permitting assistance, wetland delineation services, and data collection for multiple canals throughout the Parish as a result of flooding during the storms in August of 2016. Mr. McQuigg served as the GIS manager for the project and was responsible for generating topographical figures and performing desktop wetland delineations. He assisted in surveying the canals to inventory woody and storm related debris obstructing the canals caused by the flooding in 2016. The storm-related debris located throughout the waterways of Tangipahoa Parish included woody debris, white goods, tires, boats, containers, pipes, and other man-made debris. Mr. McQuigg generated GIS mapping of the waterways surveyed to identify debris and note the GPS location, type, and quantity of debris piles within each waterway. An estimated 75 miles were surveyed, and the waterways were cleared in 10 major creeks and rivers.</p>

17. Firm Experience:

Identify the team's project experience **most relevant** to the scope in the advertisement. The projects should be limited to a total of 20, with no more than 5 projects being represented by the prime consultant and with no more than 3 projects represented by each sub-consultant on the team. If more than 5 projects are identified for the prime consultant, all projects identified after the first 5 will not be evaluated. If more than 3 projects are identified for a single sub-consultant, all projects identified after the first 3 from that sub-consultant will not be evaluated. Include no more than one page per project. Projects identified shall only include work performed by firms on the team. The projects identified do not necessarily need to have been DOTD projects.

Firm name	Tetra Tech, Inc.			
Project name	Winter Storm 2021 Disaster Debris Monitoring Services		Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Virginia Department of Transportation	
Project location	State of Virginia (Various Locations)		Owner's Project Manager	Stephon Fritton
Owner's address, phone, email	2430 Pine Forest Dr, Colonial Heights, VA 23834 804-609-5399 Stephen.fritton@VDOT.Virginia.gov			
Services commenced by this firm (mm/yy)	(02/21)	Total consultant contract cost (\$1,000's)		\$3,963,000
Services completed by this firm (mm/yy)	(06/21)	Cost of consultant services provided by this firm (\$1,000's)		\$3,963,000

In February 2021, Central Virginia suffered from the worst ice storm to impact the Commonwealth in the past 20 years. Freezing rain and snow from the storm resulted in disaster debris and hanging tree limbs obstructing public roadways.

Tetra Tech was contracted by VDOT to provide disaster debris program management, which includes 14 counties across Central Virginia. More than 200 local field monitors were hired and trained to assist with the project. To increase efficiency, local field monitors were assigned to areas closest to where they live. Additionally, Tetra Tech opened multiple distribution points for check-ins and equipment distribution.

Tetra Tech worked with VDOT representatives from the district engineering office to ensure all health and safety requirements are followed, as this project required debris removal along interstates and public roads. In total, Tetra Tech monitored the removal of more than 462,192 CYs of vegetative/woody debris. Additionally, more than 129,000 hanging trees and limbs were removed.

Team Members Highlighted in this Proposal: Simon Carlyle, Ralph Natale, Kim Bowyer



Firm name	Tetra Tech, Inc.		
Project name	Hurricane Laura Disaster Debris Program Management	Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Calcasieu Parish
Project location	Calcasieu Parish, Louisiana	Owner's Project Manager	Theresa Champeaux
Owner's address, phone, email	1114 Ryan Street. P.O. Box 3287, Lake Charles, LA 70602 (337) 721-3700 tchampeaux@calcasieuparish.gov		
Services commenced by this firm (mm/yy)	(09/2020)	Total consultant contract cost (\$1,000's)	\$24,394,000
Services completed by this firm (mm/yy)	(05/2021)	Cost of consultant services provided by this firm (\$1,000's)	\$12,932,000

Hurricane Laura devastated Southeast Louisiana in September 2020, in the middle of an extremely active hurricane season. The storm displaced thousands of residents across Calcasieu Parish, caused extensive power outages, and created a huge amount of storm debris and downed trees.

As the standby debris monitoring contractor for Calcasieu Parish, our team was in communication with Parish officials before, during, and immediately after the Hurricane's impact to assist the Parish. Our project management team deployed to the Parish and swiftly began debris operations and conducting outreach to hire local debris monitors.

Having facilitated a planning meeting with Parish officials only 3 weeks prior to impact, our Senior Management Team's familiarity with the Parish ensured seamless communication with Parish stakeholders throughout the mobilization process. Our team was able to rapidly begin the debris removal management process, including identifying and permitting of 15 debris management sites. Tetra Tech monitored the removal of an unprecedented 6.9 million cubic yards of debris, 32,745 hanging tree limbs, and 8,800 hazardous trees.

Team Members Highlighted in this Proposal: Ralph Natale



Firm name	Tetra Tech, Inc.			
Project name	Winter Storm Alfred Disaster Management Support Services		Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Connecticut Department of Transportation	
Project location	State of Connecticut		Owner's Project Manager	Dana Conover
Owner's address, phone, email	2800 Berlin Turnpike P.O. Box 317546 Newington, CT 06131 Phone: 860.883.3904 Dana.conover@ct.gov			
Services commenced by this firm (mm/yy)	(11/11)	Total consultant contract cost (\$1,000's)		\$2,940,000
Services completed by this firm (mm/yy)	(04/12)	Cost of consultant services provided by this firm (\$1,000's)		< \$2,940,000

Winter Storm Alfred struck the State of Connecticut on October 29, 2011 and caused damage to trees and homes to the northern part of the State. Originally forecasted to only be a rain event, the nor'easter changed to wet snow that collected on trees that had not yet shed their leaves. The wet snow froze overnight and became too heavy for the trees to support. As a result, limbs snapped and trees toppled into streets and public roadways and posed a threat to public health and safety.

This was the largest debris incident the state had to recover from since Hurricane Gloria in 1985. The downed trees and branches took out power lines and caused power outages for over 900,000 customers statewide. Governor Malloy declared a state of emergency and our team was mobilized by the State of Connecticut to support the Interagency Debris Management Task Force (IDMTF) and statewide debris operations at the Connecticut Emergency Operations Center (CEOC). Tetra Tech monitoring operations included 19 towns, State Parks, Connecticut Department of Environmental Protection, and the Connecticut Department of Transportation (CONNDOT) roadways.



Team Members Highlighted in this Proposal: Simon Carlyle, Ralph Natale, Kim Bowyer, Paris Atkinson, Jeff Dickerson

Firm name	Tetra Tech, Inc.			
Project name	Hurricane Sally Disaster Debris Monitoring		Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	City of Pensacola, FL	
Project location	Pensacola, FL		Owner's Project Manager	Fred Crenshaw
Owner's address, phone, email	222 W Main Street, Pensacola, FL 32502 Phone: 580.436.5572 fcrenshaw@cityofpensacola.com			
Services commenced by this firm (mm/yy)	(09/20)	Total consultant contract cost (\$1,000's)		\$1,500,000
Services completed by this firm (mm/yy)	(12/20)	Cost of consultant services provided by this firm (\$1,000's)		\$1,234,000

The City of Pensacola is located in the Florida Panhandle of northwest Florida. Over the last 20 years, the City has been impacted by numerous disaster events including Hurricane Ivan, Hurricane Dennis, the Deepwater Horizon Oil Spill, and a major flooding event. In September of 2020, Hurricane Sally strengthened into a Category 2 hurricane just prior to landfall near the Florida-Alabama border and significantly impacted the City.

Hurricane Sally resulted in significant wind and storm surge related damage. The storm generated significant quantities of debris and devastated much of the marine infrastructure in the City. Tetra Tech has been serving as the City's disaster debris monitoring provider since 2004 following Hurricane Ivan. We were engaged with the City in the days before Sally's impact and responded to the City's Sanitation Department within hours after the storm's impact to begin damage assessments and formulate a debris management mobilization.

As part of our Pensacola debris monitoring mobilization, we hired and trained more than 75 debris monitors within 72 hours. Tetra Tech monitored the collection of more than 574,000 cubic yards of debris and over 4,500 hanging tree limbs. We monitored disposal at three debris management sites and two final disposal sites. Our monitoring efforts included both the contract debris haulers vehicles as well as City of Pensacola trucks that assisted in the debris mission. In addition to traditional debris monitoring services, Tetra Tech also assisted the City in identifying and opening additional debris management sites and assisted the City in cost-justifying a major amendment to the debris hauler's contract.



Team Members Highlighted in this Proposal: Simon Carlyle, Ralph Natale, Oliver Yao, Jeff Dickerson, Paris Atkinson

Firm name	Tetra Tech, Inc.			
Project name	Hurricane Laura Disaster Debris Program Management		Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	The City of Lake Charles, LA	
Project location	Lake Charles, LA		Owner's Project Manager	Jeff Jones
Owner's address, phone, email	4331 E Broad St Lake Charles, LA 70615 P. (337) 491-1220 jjones@cityoflc.us			
Services commenced by this firm (mm/yy)	(09/20)	Total consultant contract cost (\$1,000's)		\$6,838,000
Services completed by this firm (mm/yy)	(10/21)	Cost of consultant services provided by this firm (\$1,000's)		\$6,838,000

Hurricane Laura caused devastating damage to the City of Lake Charles. Our team responded immediately to the City, and began project ramp up within 24 hours of the storm's passing. After identifying 5 local debris management sites, our project management team onboarded and trained over 250 locally hired debris monitors, providing extensive safety training which included COVID-19 protocols. In total, our team monitored the removal of over 3 million cubic yards of debris and nearly 20,000 hanging limbs and hazardous trees.

Team Members Highlighted in this Proposal: Ralph Natale



Firm name	ELOS Environmental, LLC				
Project name	Tangipahoa Parish Debris Monitoring			Firm responsibility (prime or sub?)	Sub
Project number	87996286	Owner's name	Tetra Tech, Inc.		
Project location	Tangipahoa Parish, LA		Owner's Project Manager	Simon Carlyle	
Owner's address, phone, email	3475 East Foothill Blvd. Pasadena, CA 91107 / 407-803-2525 / Simon.Carlyle@tetrattech.com				
Services commenced by this firm (mm/yy)	09/21	Total consultant contract cost (\$1,000's)			\$1,489,000
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)			\$1,489,000

In September 2021, ELOS was contracted by Tetra Tech, Inc. to provide technically trained staff to assist in project management and monitoring of debris removal throughout Tangipahoa Parish following the devastation caused by Hurricane Ida. This project includes the acquisition, training, and management of contracted workers, coordination with affiliated parties (including Parish government and FEMA), distribution of payment to contractors, and other administrative and managerial support necessary. ELOS was able to quickly recruit, train, and deploy workers with minimal resources under post-disaster conditions. ELOS has acquired, trained, and managed over 65 debris monitors for Tangipahoa Parish since the start of this project.



Team Members Highlighted in this Proposal: Joshua Macheca, Brittany Berthelot, Brandi Patterson, and Jesse McQuigg

Firm name	ELOS Environmental, LLC				
Project name	Livingston Parish Debris Monitoring			Firm responsibility (prime or sub?)	Sub
Project number	H.972442	Owner's name	Thompson Consulting Services, LLC		
Project location	Livingston Parish, LA		Owner's Project Manager	Jon Hoyle	
Owner's address, phone, email	2601 Maitland Center Parkway Maitland, FL 32751 / 832-433-4989 / jhoyle@thompsoncs.net				
Services commenced by this firm (mm/yy)		09/21	Total consultant contract cost (\$1,000's)		\$256,000
Services completed by this firm (mm/yy)		01/22	Cost of consultant services provided by this firm (\$1,000's)		\$256,000

In September 2021 following Hurricane Ida, ELOS was subcontracted by Thompson Consulting Services, LLC to acquire and certify LADOTD debris supervisors to monitor the removal of roadside debris throughout District 61 and District 62. This project included the management of contracted supervisors, coordination with affiliated parties (FEMA and parish government), distribution of payment to contractors, and other administrative and managerial support necessary.

Team Members Highlighted in this Proposal: Joshua Macheca, Brittany Berthelot, and Brandi Patterson



Firm name	ELOS Environmental, LLC			
Project name	Lake Charles Debris Monitoring			Firm responsibility (prime or sub?) Sub
Project number	2021-24 (File ID: 189-21)	Owner's name	Tetra Tech, Inc.	
Project location	Lake Charles, LA		Owner's Project Manager	Simon Carlyle
Owner's address, phone, email	3475 East Foothill Blvd. Pasadena, CA 91107 / 407-803-2525 / Simon.Carlyle@tetrattech.com			
Services commenced by this firm (mm/yy)	09/20	Total consultant contract cost (\$1,000's)		\$142,000
Services completed by this firm (mm/yy)	09/21	Cost of consultant services provided by this firm (\$1,000's)		\$142,000

In September 2020, ELOS was contracted by Tetra Tech, Inc. to provide technically trained staff to assist in project management and monitoring of debris removal in Lake Charles, Louisiana following the devastation caused by Hurricane Laura. This project included the acquisition, training, and management of contracted workers, coordination with affiliated parties (including parish government and FEMA), distribution of payment to contractors, and other administrative and managerial support necessary. ELOS acquired, trained, and managed over 100 contractors.

Team Members Highlighted in this Proposal: Joshua Macheca, Brittany Berthelot, and Brandi Patterson



18. Approach and Methodology:

Provide a description of how the work will be performed. Include any additional information or description of unique resources that are planned to be used to produce the deliverables. Include any proprietary technologies, methods or approaches that will be used on this project to improve quality or efficiency. If the proposal is for an IDIQ contract, the consultant should review the scope of services in Attachment A to the advertisement to obtain a general understanding of what a typical task order would entail. Based upon that understanding, the consultant should provide a sample schedule that identifies the major milestones, deliverables, tasks, etc., to demonstrate sufficient understanding of a typical task order. The duration of the task order is not required. This section shall be limited to four pages. If more than four pages are included, all pages after the fourth page will not be evaluated.

If the consultant has information it believes is proprietary, label it accordingly.

Response Timeline

Based on Tetra Tech's understanding of LADOTD and its needs, we have developed a draft mobilization schedule with key project management tasks in chronological order. The timeline is based on a typical activation; however, Tetra Tech is prepared to work with LADOTD to adjust the timing of the specific elements below to meet the LADOTD's needs.

Time	Task	Deliverables/Milestones
Pre-Event Planning		
Pre-event (normal conditions)	Meet with the Department to review plans and documents	<ul style="list-style-type: none">• Conduct annual pre-event meeting with LADOTD staff and debris contractor• Review the LADOTD’s disaster recovery contracts for FEMA compliance• Update critical documents and files, including any GIS files
H-96	Review capabilities and resources	<ul style="list-style-type: none">• Contact the LATOTD and initiate daily conference call• Determine resource requirements from debris model• Review the LATOTD’s emergency policies and contracts• Establish contact with LATOTD’s debris hauler and ensure Tetra Tech has the most up to date copy of the debris hauler contract
Incident Planning		
H-72	Execute responsibilities and activate contracts	<ul style="list-style-type: none">• Review possible critical areas of concern, hospitals, major transit systems, historic districts, environmental issues, and critical infrastructure• Review protocols for private property, gated communities, and public drop-off sites• Review debris management site (DMS) locations and follow up with the State on permitting procedures• Estimate equipment requirements and DMS capacity to haul and stage debris• Prepare ADMS technology for mobilization
H-48	Monitor storm track and continue preparations	<ul style="list-style-type: none">• Conduct regular meetings with department staff as requested• Confirm staging location and begin mobilization of resources• Mobilize project assets and begin base camp coordination and logistics (food, water, housing, etc.) with the department and Tetra Tech headquarters (if necessary)• Review list of priority roads and the operational plan; obtain GIS files for municipalities that the department will assist with debris removal• Continue to update and gather updates from the department’s debris hauler
H-24	Prepare final reports	<ul style="list-style-type: none">• Save all critical documents and files to the network drive, USB drive, and laptop hard drive• Certify emergency road clearance equipment (in coordination with the department’s debris hauler)• Determine emergency road clearance priorities
H-0	ARRIVAL OF NOTICE EVENT/INITIATE RESPONSE TO NO-NOTICE EVENT	
Execution		
H +24	Emergency push	<ul style="list-style-type: none">• Receive notice to proceed with not to exceed• Begin emergency push• Maintain time and materials (T&M) logs for push equipment• Coordinate with LATOTD to conduct preliminary damage assessments and road closures (if requested)• Supervisors report to pre-designated locations and prep staff on project• Begin establishing ADMS infrastructure• Begin recruiting and training monitors, project coordinators, and data staff• Initiate opening of DMS locations• Follow up with State-level environmental regulations on debris permits (if required)• Work with the LATOTD to establish public information protocols to respond to concerns and comments
H +48	Emergency push/ damage assessment	<ul style="list-style-type: none">• Continue emergency push; continue preliminary damage assessment• Develop debris cost estimate required for presidential disaster declaration• Develop operational plan for disaster-specific issues• Refine health and safety plan for disaster-specific issues

Time	Task	Deliverables/Milestones
H +72	Disaster debris vehicle certification/ site preparation	<ul style="list-style-type: none"> • Begin hauling truck certification • Install ADMS tower monitor infrastructure • Train monitors on policies, ADMS, and safety • Open public drop-off sites as requested
H +96	Begin debris collection monitoring	<ul style="list-style-type: none"> • Assign monitors to trucks; assign supervisors to monitors • Hold morning and afternoon meeting with LATOTD staff and debris hauler • Implement QA/QC procedures
Week 1+	Right-of-way (ROW) debris collection monitoring	<ul style="list-style-type: none"> • Continue ROW collection • Address household hazardous waste (HHW) issues (if critical) • Issue daily reports/GIS maps; hold daily meetings with LADOTD, hauler, and/or State/FEMA as required • Staff citizens debris management hotline (if requested) • Define supplemental programs required (private roads, HHW) and prepare eligibility request
Week 1+	Data management and invoice reconciliation	<ul style="list-style-type: none"> • Provide ADMS reports and real-time monitoring access • Establish GeoPortal to provide insight into project progress • Review truck metrics provided by <i>RecoveryTrac</i>™ ADMS • Initiate weekly reconciliation; initial payment recommendations with retainage
Week 1+	Reimbursement support/grant administration	<ul style="list-style-type: none"> • Prepare damage/cost estimates • Compile supporting documentation (debris permits, debris contracts, etc.) • Liaise with local FEMA region officers, state-level emergency management representatives, U.S. Army Corps of Engineers (USACE), etc.
Week 2+	Special projects (if required)	<ul style="list-style-type: none"> • Waterway debris removal; private property debris removal (PPDR); Mud/silt/sand removal (from storm drains, ditches, etc.) • Public drop-off sites • HHW • Identify areas of operational concern and make disaster-specific recommendations to FEMA to improve efficiency
Week 3+	Financial recovery assistance staff engaged (if requested)	<ul style="list-style-type: none"> • Facilitate kickoff meetings with primary stakeholders • Draft a PA work plan • Conclude/review preliminary damage assessments • Gather documentation for project worksheet (PW) development • Identify opportunities for mitigation • Conduct site visits
Project Closeout		
Project completion	Document turnover/closeout	<ul style="list-style-type: none"> • Final reconciliation • Retainage release • Release hard copy files; provide electronic database • Assist with PW development • Assist the LATOTD with long-term reimbursement • Audit assistance; appeal support if necessary

RecoveryTrac™ ADMS

Our team has spent years on research and development to streamline the debris collection documentation process, with a focus on minimizing the cost to our clients while improving the visibility of debris project operations. *RecoveryTrac™ ADMS* is the result of these efforts. *RecoveryTrac™ ADMS* is a scalable and fully featured disaster management application designed to address the operational challenges faced during a disaster recovery project.



Our proprietary *RecoveryTrac™ ADMS* technology is one of only three systems validated by the USACE. The system provides real-time collection of data and offers multiple solutions to data management, reporting, invoice reconciliation, and project controls that cannot be achieved with a paper-based program.

Tetra Tech has implemented *RecoveryTrac™ ADMS* technology on our last 200 FEMA PA-eligible projects. On these projects, our clients and FEMA found this state-of-the-art technology to increase efficiency and improve the management of debris removal efforts.

Tetra Tech's *RecoveryTrac™ ADMS* system is regarded as the #1 debris tracking system in the industry for the following reasons:

- **Most Broadly Tested ADMS in the Industry** – *RecoveryTrac™ ADMS* is a proven system that has been used to execute the largest USACE activations involving ADMS technology, including the State of California NORCAL Fire response and the State of Georgia Hurricane Michael statewide activations. During simultaneous response to Hurricanes Harvey and Irma in 2017, Tetra Tech deployed approximately 6,000 ADMS devices to collect and manage data for over 100 projects. **No other system has tracked and documented as much debris as *RecoveryTrac™ ADMS*.**
- **Stable and Secure ADMS System** – *RecoveryTrac™ ADMS* is the industry leader in secure data systems. The *RecoveryTrac™* system is securely hosted in the Microsoft Azure Government high-availability, cloud-based data center with restricted access and transaction-level auditing. The database is continually backed up and immediately replicated to an off-site location. The database is geospatially based and is maintained and synchronized with the reporting database in near real-time to maximize system performance, availability, and security.
- **Unmatched Flexibility to Meet the Needs of Any Client** – The system is designed to be fully customizable and allows for multiple data collection methods. Tetra Tech has invested heavily in research and development in efforts to streamline the debris collection documentation process with a focus on minimizing the cost to our clients and improving the visibility and transparency of debris project operations. *RecoveryTrac™ ADMS* is the result of these efforts.
- **Unrestricted by Hardware** – Because *RecoveryTrac™ ADMS* utilizes readily available hardware, there are no restrictions to the amount of ADMS units our team can provide. Our team stocks thousands of units and can expand to fit any client's needs, including multiple simultaneous activations.

Call Center Operations

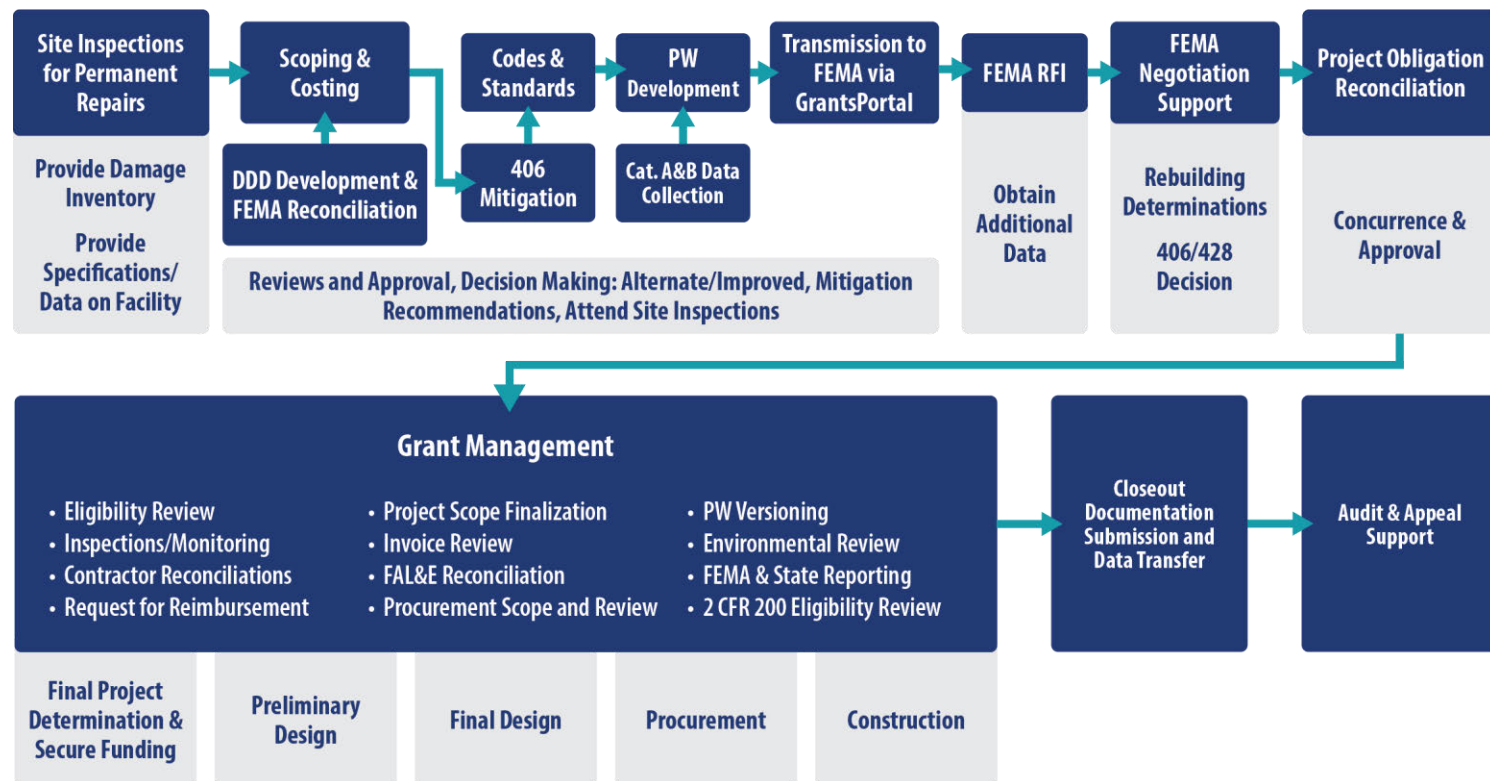
Emergency events place tremendous stress on public information centers. Tetra Tech routinely provides call center operations to our clients following natural disaster events. We can deploy a remote call center with trained staff if needed by the LADOTD. With our experienced team and advanced technical infrastructure, Tetra Tech can quickly assess needs and provide an end-to-end solution that includes a communications plan, toll-free numbers, operator staffing, call documentation, and reporting. Providing this service allows our clients to focus on the problems at hand,

while staying connected and responsive to the community's need for information. Tetra Tech has provided these services to communities impacted by some of the worst disasters of our time.

Tetra Tech successfully operated a call center for Harris County OHSEM following Hurricane Harvey in 2017 and stood it up within 24 hours of a Notice to Proceed. We have also provided this service to Osceola and Polk County, FL following Hurricane Irma; and the City of Houston, City of Galveston, Galveston County, and Montgomery County, TX following Hurricane Ike.

Dedicated Team and Process for FEMA Reimbursement

The flowchart below illustrates Tetra Tech's approach to the FEMA PA Program lifecycle. Our team has developed documentation processes to capture the data at each step along the way.



19. Workload:

For all contracts where a firm on the team is a prime consultant or sub-consultant and a contract was executed by the consultant and the contracting entity by the date the advertisement for this proposal was posted, list all work meeting the following criteria:

- 1) one of the team's firms is responsible for the performance of the work;
- 2) authorization to perform the work has been provided, as provided in the contract between the consultant and the contracting entity;
- 3) the work has not yet been performed and invoiced; and
- 4) the work is not currently suspended for an indefinite period of time.

For indefinite delivery/indefinite quantity (IDIQ) contracts, list open Task Orders individually.

List only the portion of the fees attributable to firms on the team.

Firm(s)	State project number	Project name	Remaining Unpaid Balance*
Tetra Tech, Inc.	4400019178 (Task order 1.3)	LA Misc. Disasters	TBD, ongoing project
	4400019178 (Task order 2.3)	LA Severe Storms and Flooding, DR-4277	TBD, ongoing project
	4400019178 (Task order 3.3)	Hurricane Rita, DR-1607	TBD, ongoing project
	4400019178 (Task order 4.3)	Hurricane Katrina, DR-1603	TBD, ongoing project
	4400019178 (Task order 5.3)	Hurricane Gustav, DR-1786	TBD, ongoing project
	4400019178 (Task order 7.3)	Hurricane Isaac, DR-4080	TBD, ongoing project
	4400019178 (Task order 8.3)	COVID-19 Pandemic, DR-4484	TBD, ongoing project
	4400019178 (Task order 9.3)	Hurricane Laura, DR-4559 SAL	TBD, ongoing project
	4400019178 (Task order 10.3)	Hurricane Laura, DR-4559	TBD, ongoing project
	4400019178 (Task order 11.3)	Hurricane Delta, DR-4570	TBD, ongoing project
	4400019178 (Task order 12.3)	Hurricane Zeta, DR-4577	TBD, ongoing project

	4400019178 (Task order 13.3)	Hurricane Ida, DR-4611 SAL	TBD, ongoing project
	4400019178 (Task order 14.3)	Hurricane Ida, DR-4611	TBD, ongoing project
	4400019178 (Task order 15)	Hurricane Ike, DR-1792	TBD, ongoing project
	4400019178 (Task order 16.3)	Hurricane Delta, DR-4570 SAL	TBD, ongoing project
	4400021743 (Task order 1A)	City of Abbeville Hurricane Laura, DR-4559	TBD, ongoing project
	4400021743 (Task order 1C)	City of Abbeville Hurricane Delta, DR-4570	TBD, ongoing project
	4400021743 (Task order 2A)	City of Lafayette Hurricane Laura, DR-4559	TBD, ongoing project
	4400021743 (Task order 2C)	City of Lafayette Hurricane Delta, DR-4570	TBD, ongoing project
	4400021743 (Task order 3C)	Housing Authority of South Landry Parish, Hurricane Delta, DR-4570	TBD, ongoing project
	4400021743 (Task order 4A)	Vernon Parish Hurricane Laura, DR-4559	TBD, ongoing project
	4400021743 (Task order 5G)	Iberville Parish Hurricane Ida, DR-4611	TBD, ongoing project
	4400021743 (Task order 5F)	Iberville Parish Louisiana Severe Storms, Tornadoes, and Flooding, DR-4606	TBD, ongoing project
	4400021743 (Task order 5E)	Iberville Parish Louisiana Severe Winter Storm, DR-4590	TBD, ongoing project
ELOS Environmental	H.013958	Rural Bridge Replacement Initiative: Carpenters Bridge Rd Over Whiskey Chitto	\$15
	H.013959	Rural Bridge Replacement Initiative: Reeds Bridge Rd Over Calcasieu River	\$53
	H.013963	Rural Bridge Replacement Initiative: LA 384 Canal Bridge	\$617
	H.013970	Rural Bridge Replacement Initiative: LA 717 Klondike Canal & Bayou Bridges	\$275
	H.013976	Rural Bridge Replacement Initiative: LA 376 Bayou Bridges	\$432

	H.013976	Rural Bridge Replacement Initiative: LA 376 over Bayous	\$2,876
	H.013982	Rural Bridge Replacement Initiative: LA 10 Spur, LA 1042 Bridges Near Greensburg	\$15
	H.013984	Rural Bridge Replacement Initiative: LA 16 Bridges (Isabel to Sun)	\$15
	H.013996	Rural Bridge Replacement Initiative: LA 1074, LA 1075 Bridges Near Rio	\$15
	H.013997	Rural Bridge Replacement Initiative: Local Rd Over Borrow Pit (Blind River)	\$578

(Add rows as needed)

DO NOT SUM

* Round to the nearest dollar. **Do not** round to the nearest thousands. If there are no active contracts with a remaining unpaid balance, place N/A in the Remaining Unpaid Balance column. LEAVING THE “REMAINING UNPAID BALANCE” COLUMN BLANK IS NOT ACCEPTABLE.

20. Certifications/Licenses:

If the advertisement requires submission of licenses and/or certificates, include them here. Otherwise, leave this section blank.

21. QA/QC Plan and/or Work Plan:

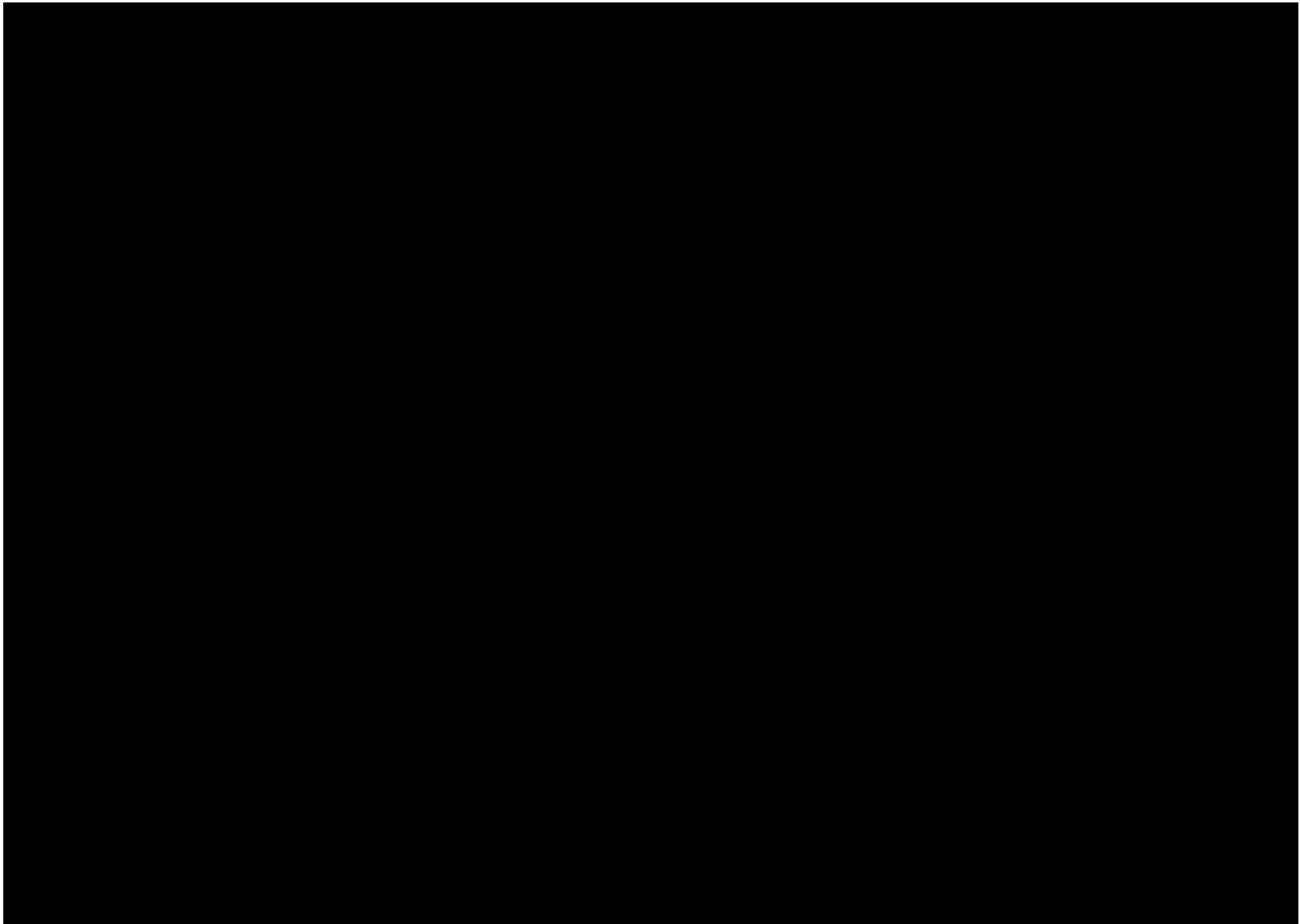
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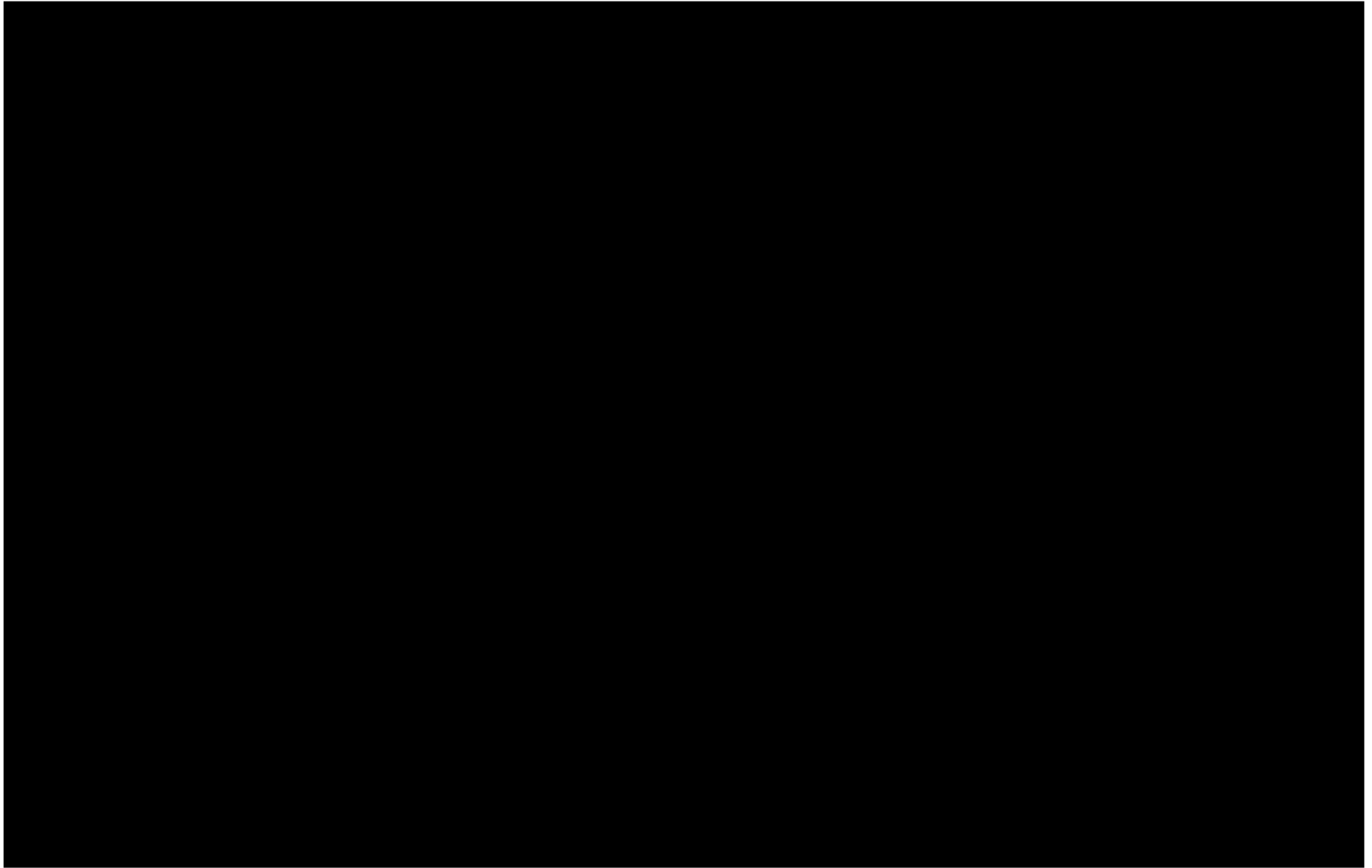
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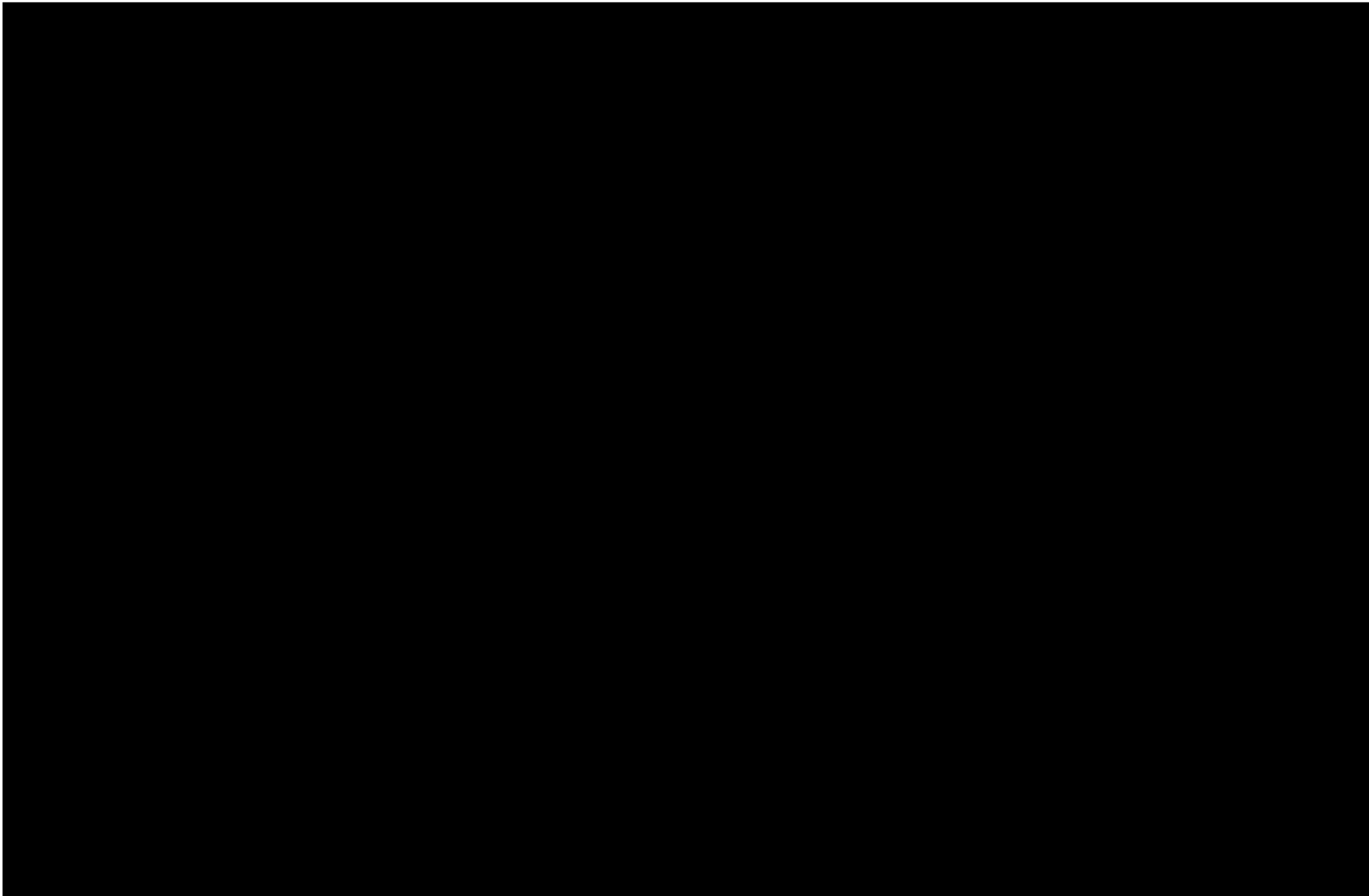
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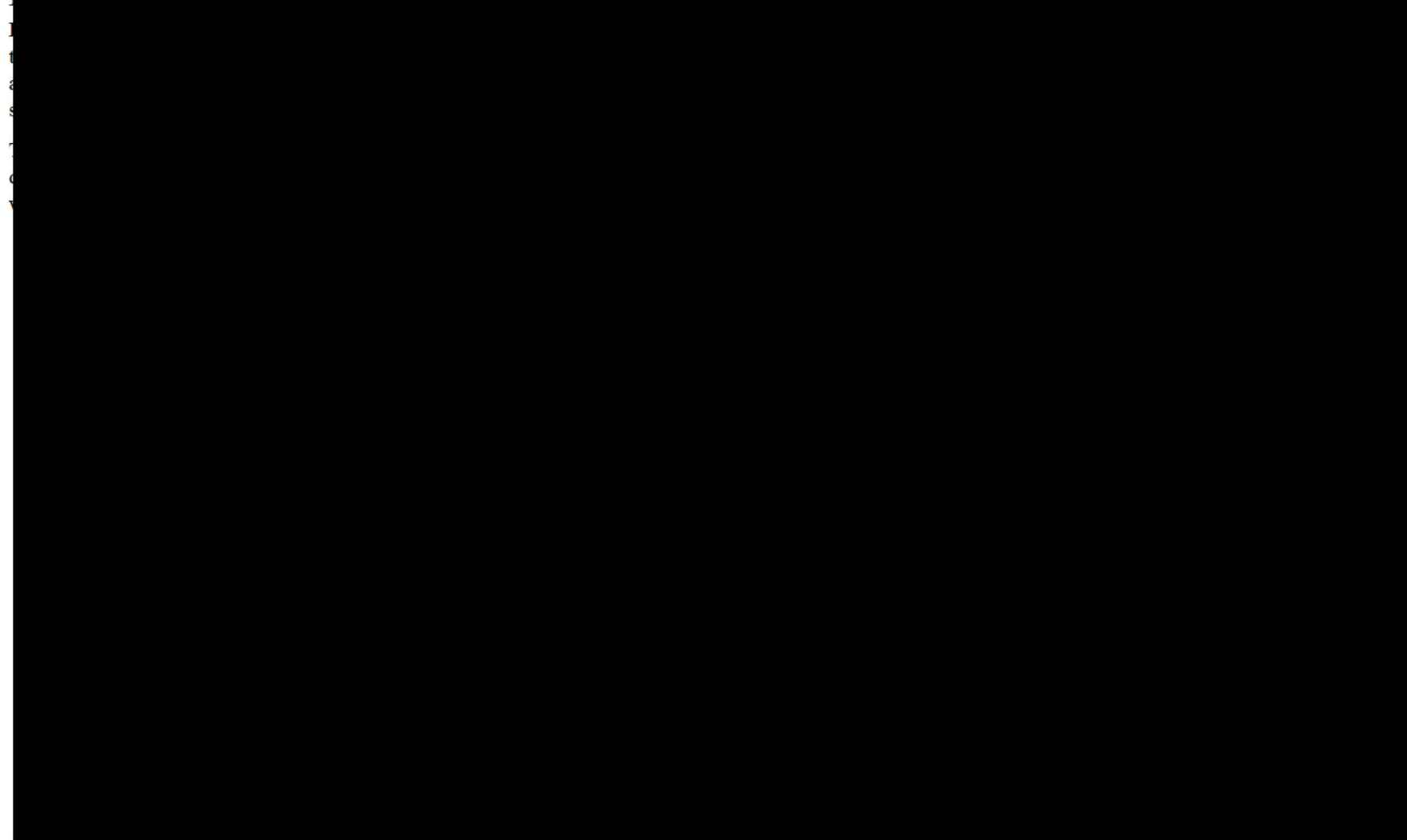
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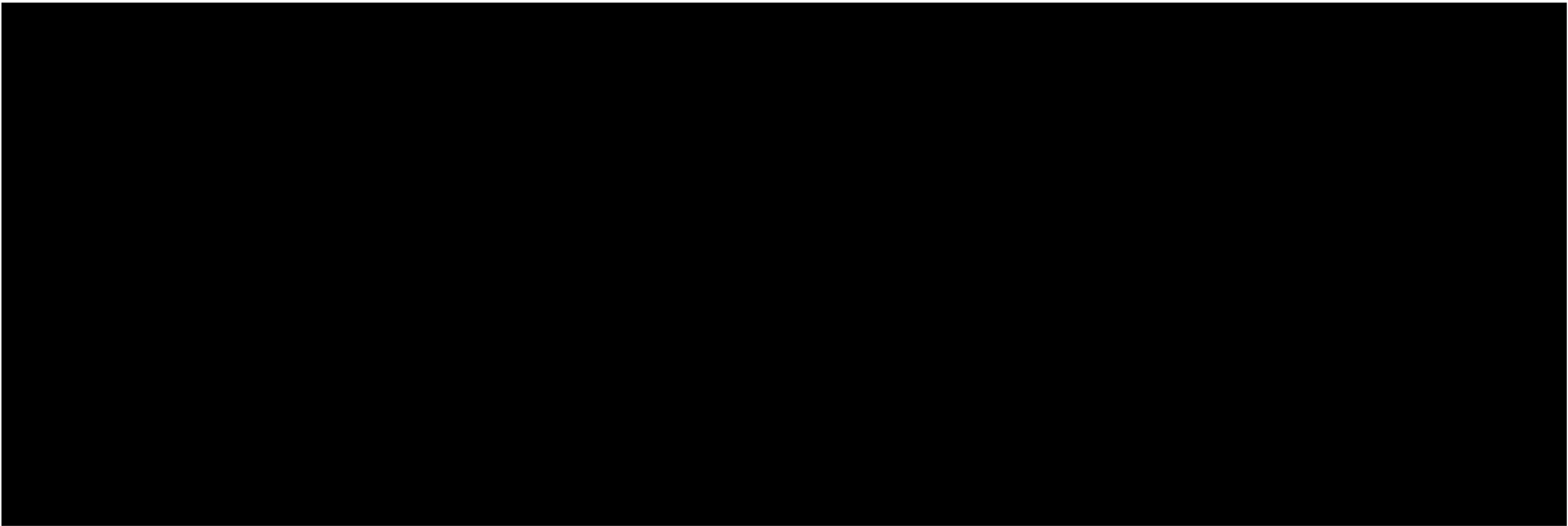
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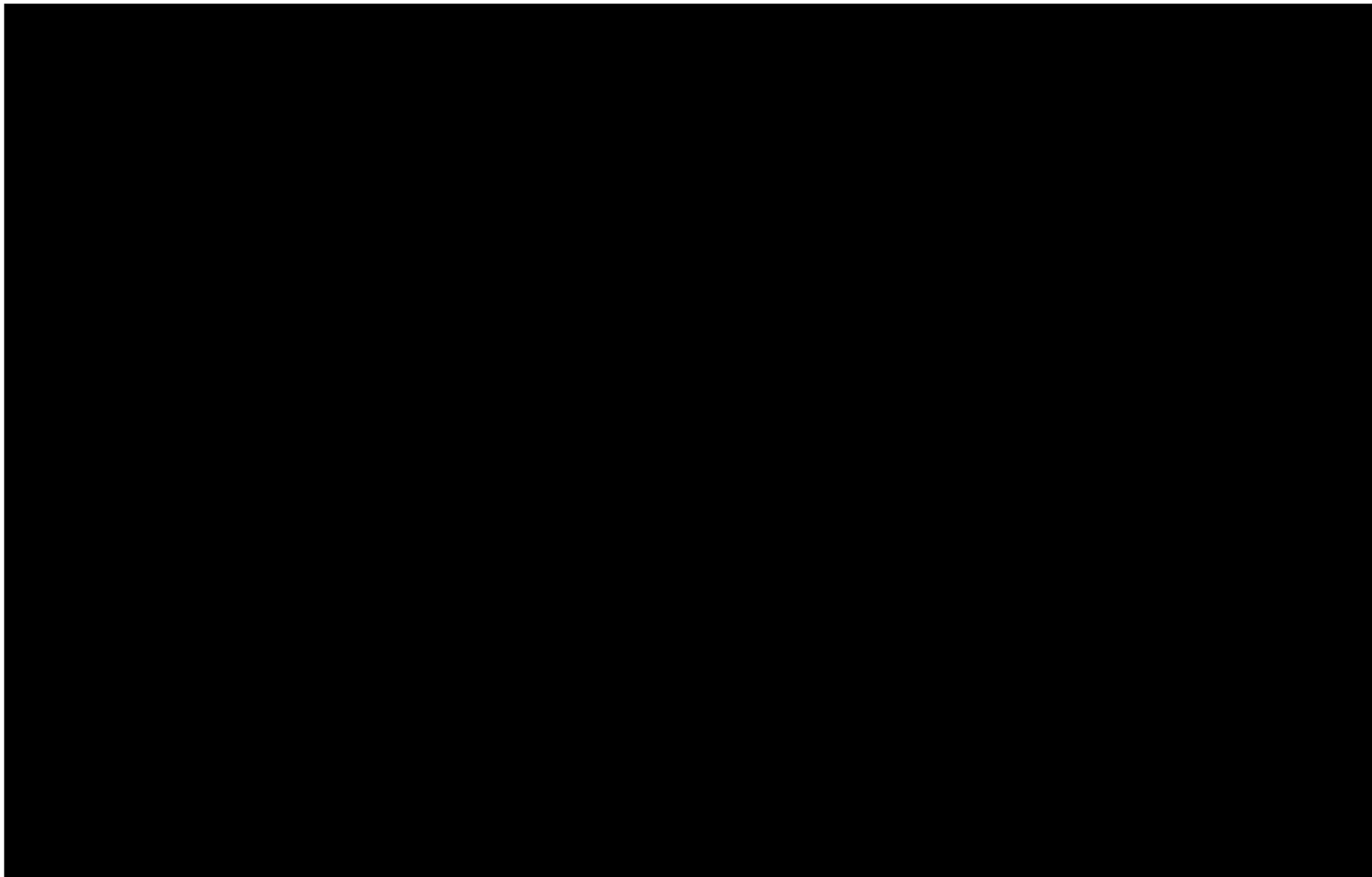
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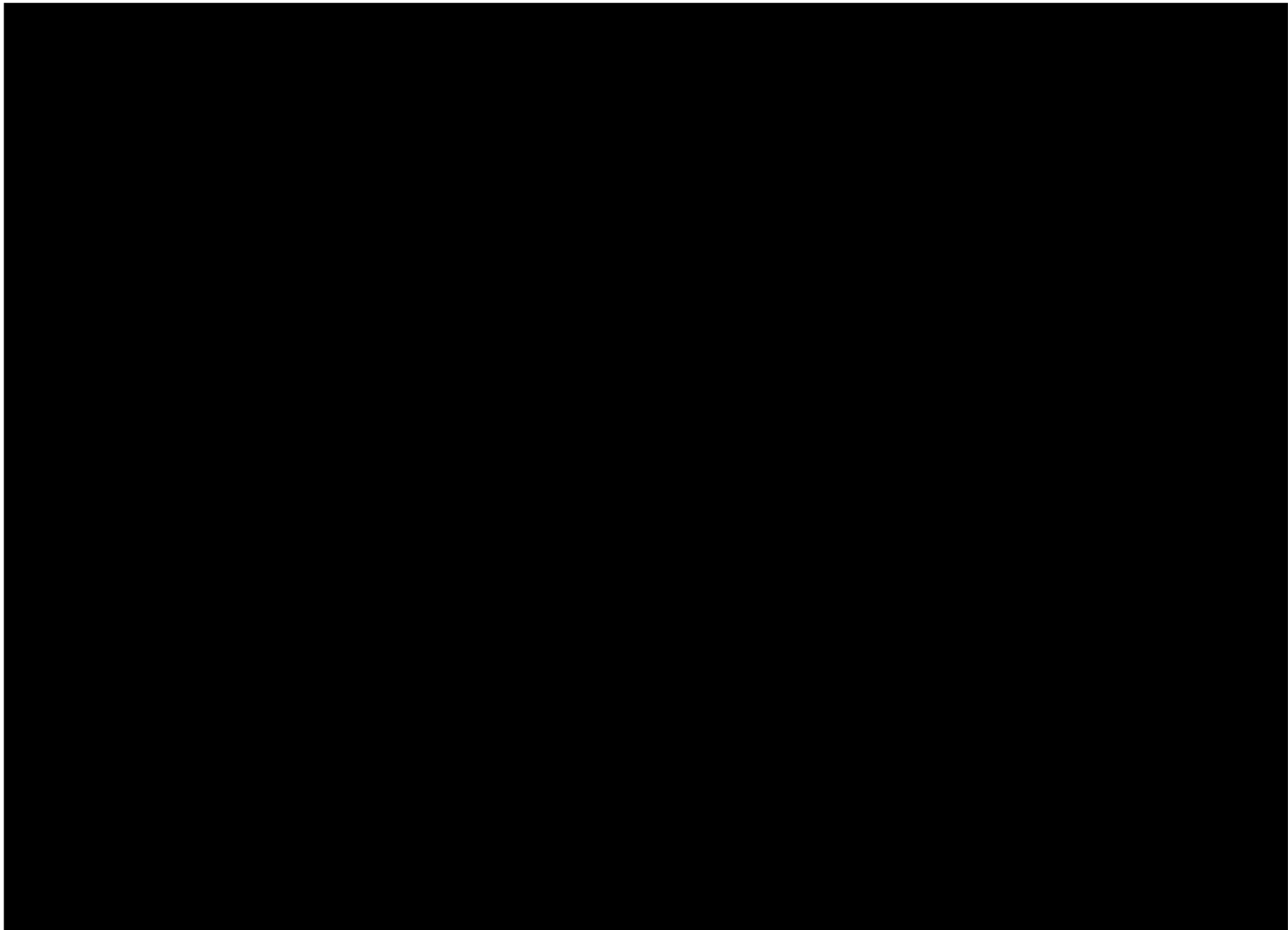


Damage Prevention









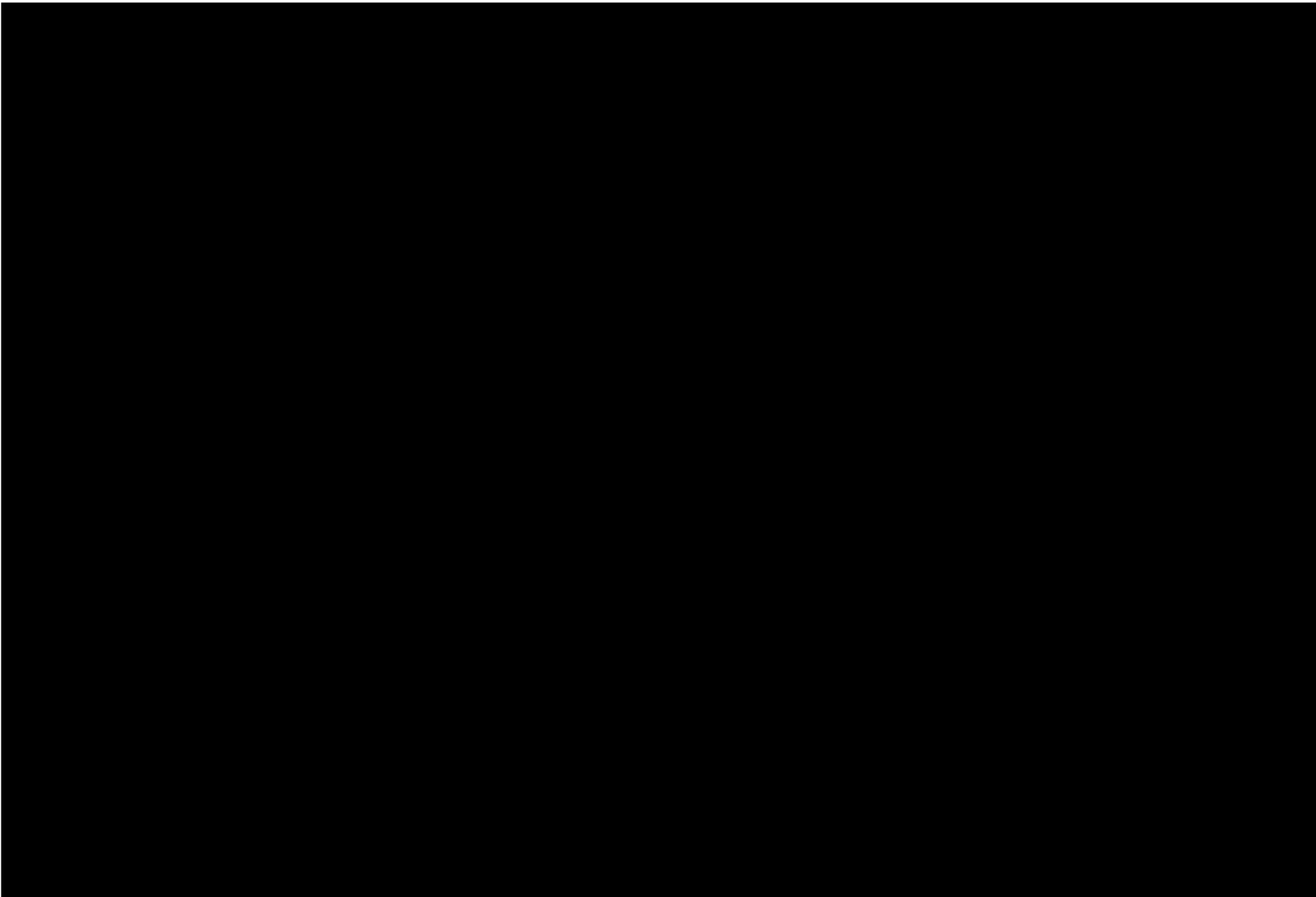
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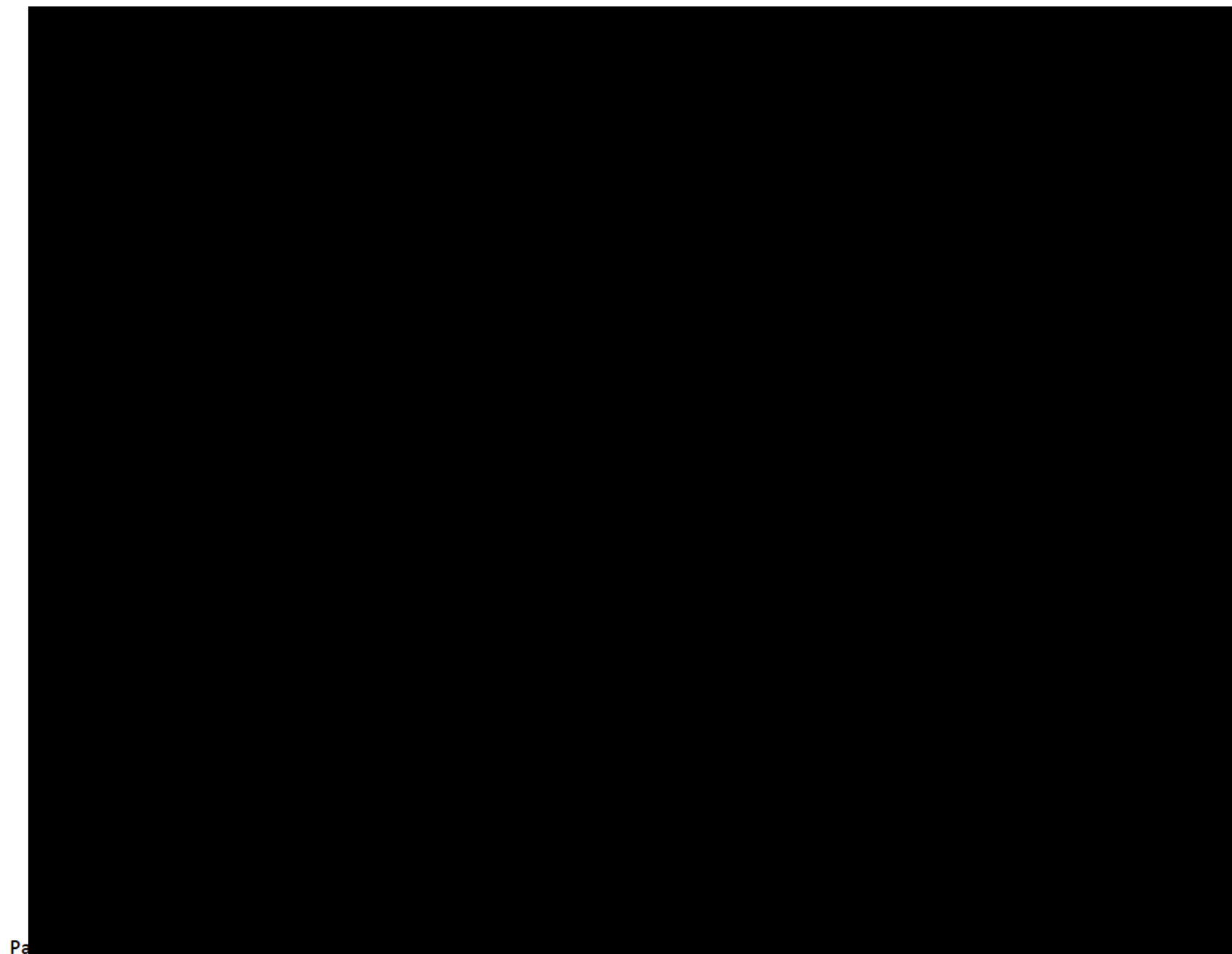
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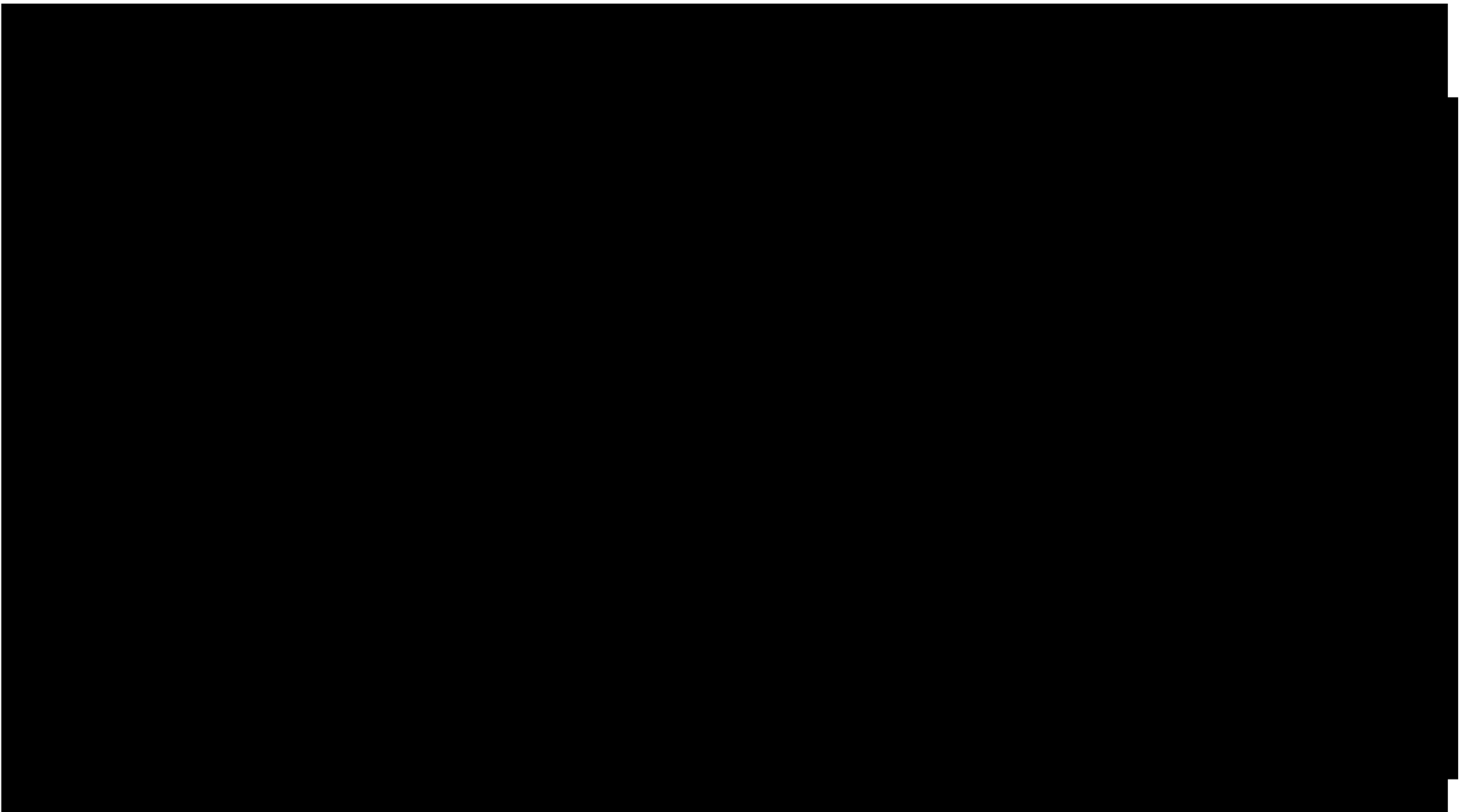
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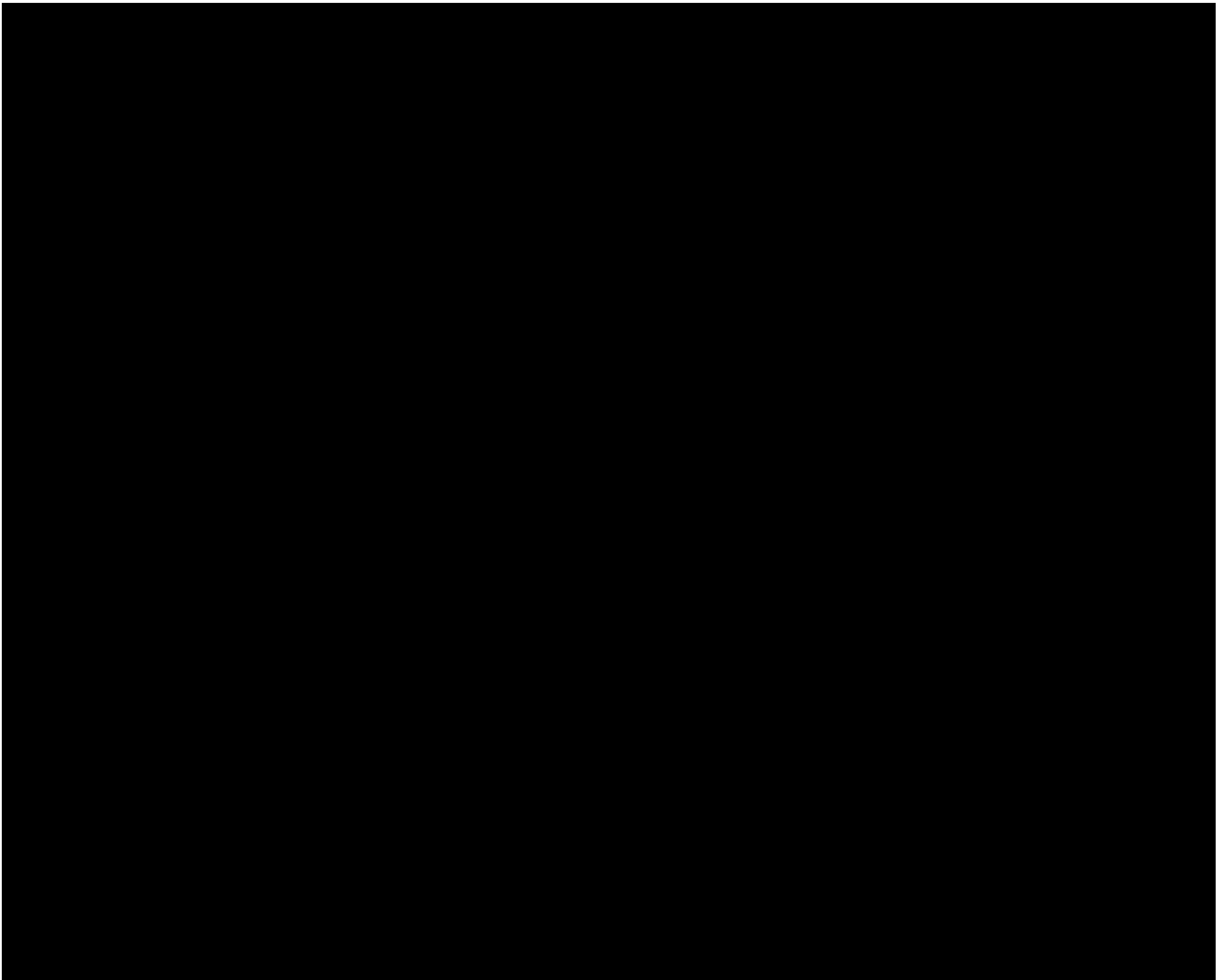


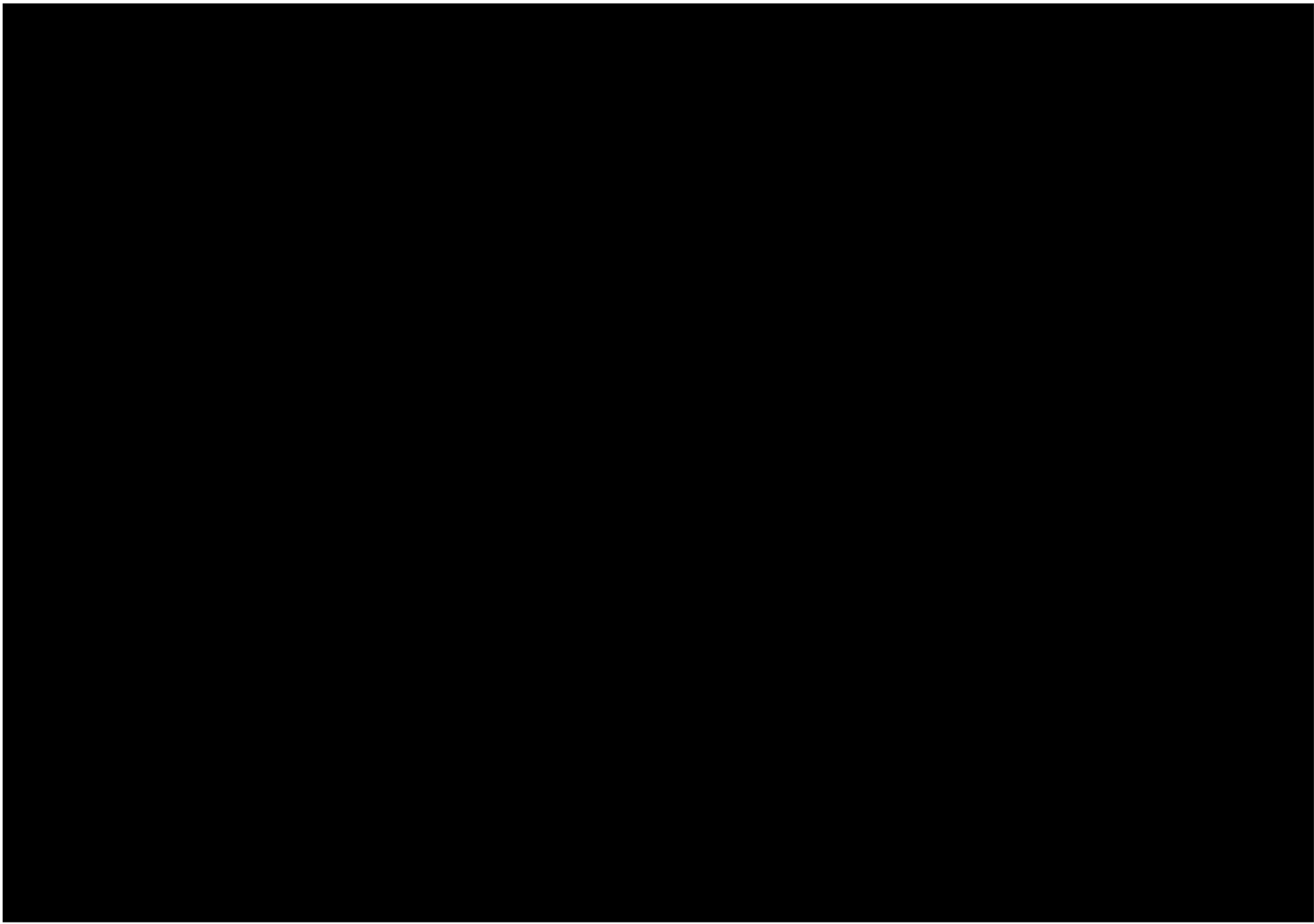




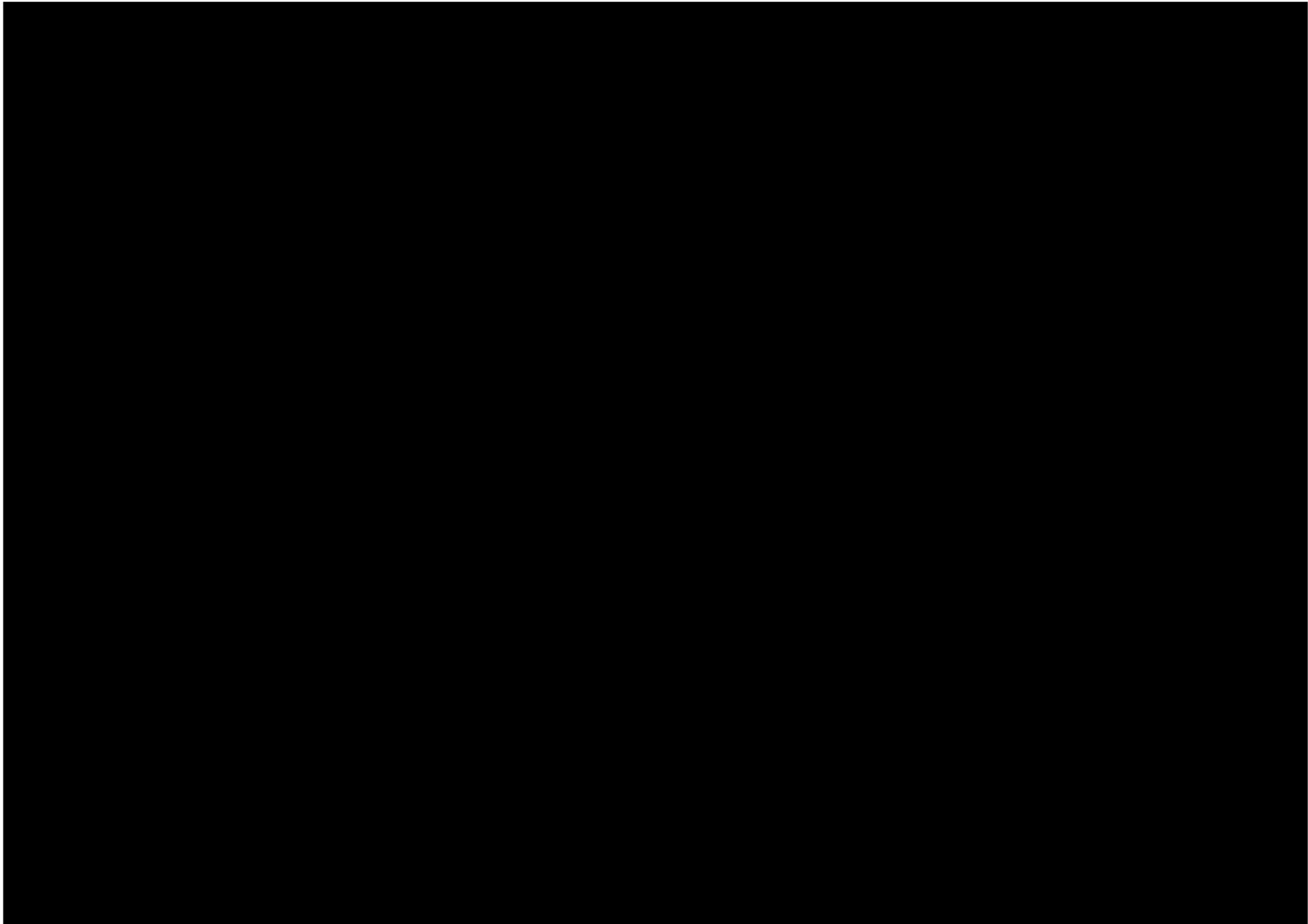
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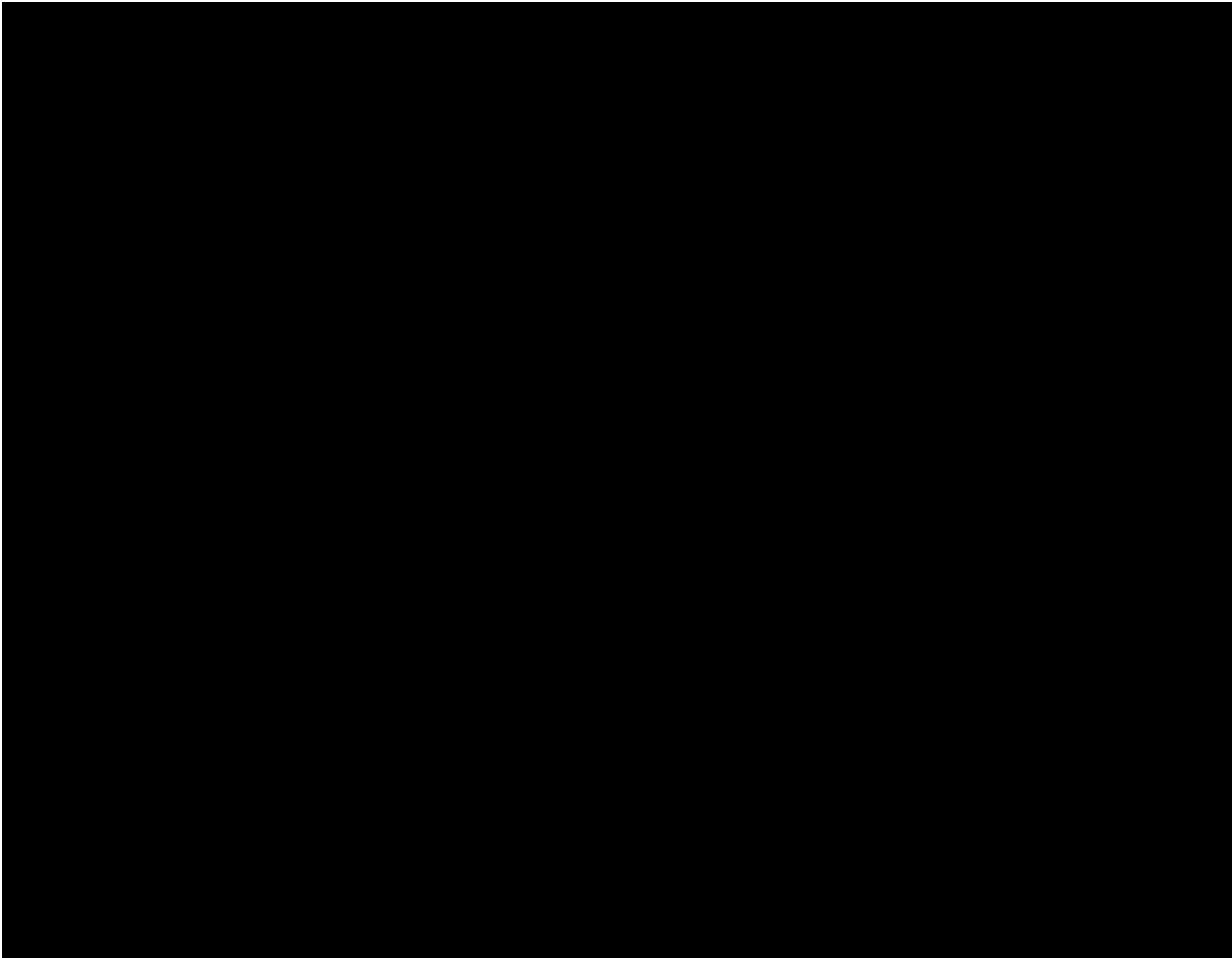
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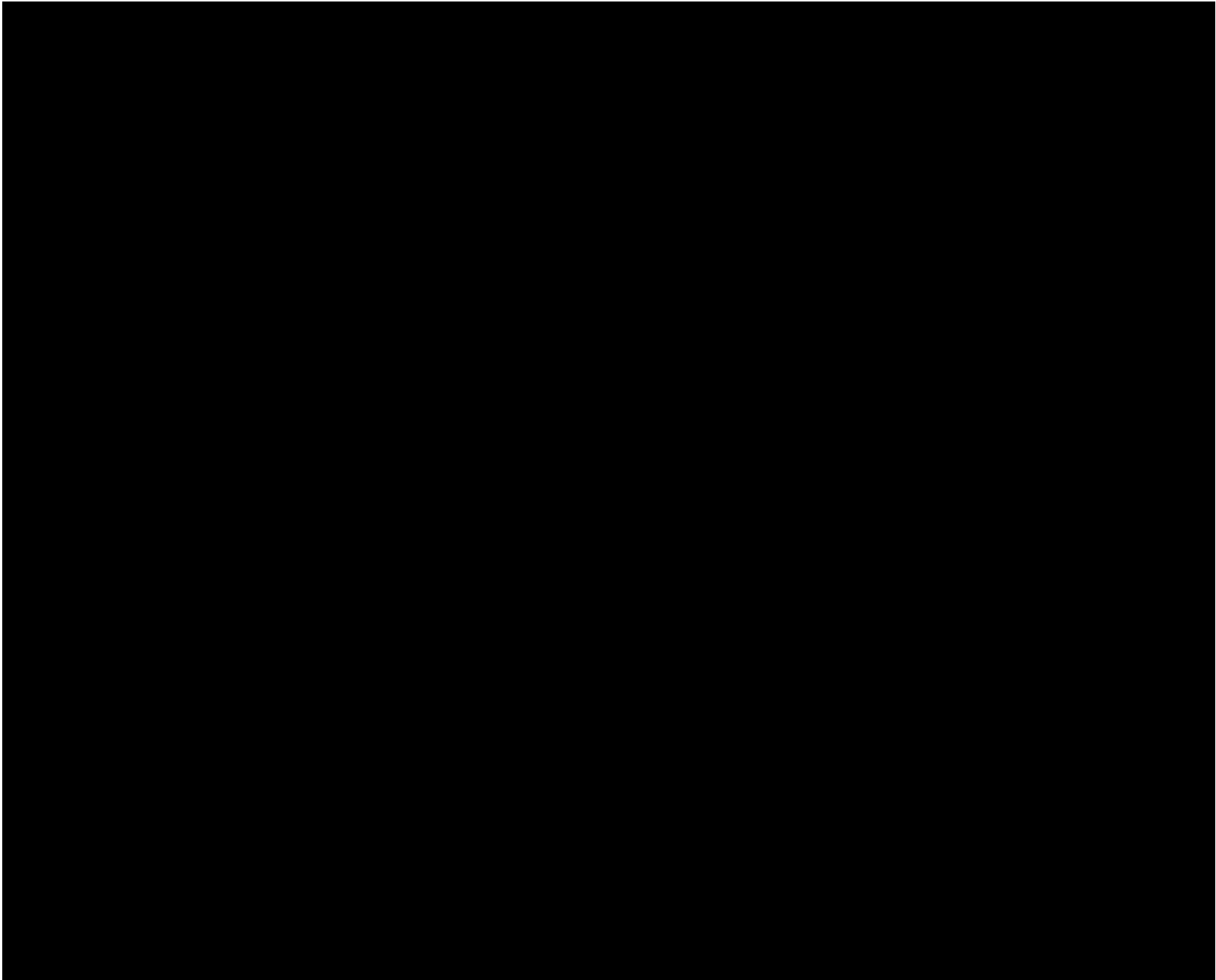
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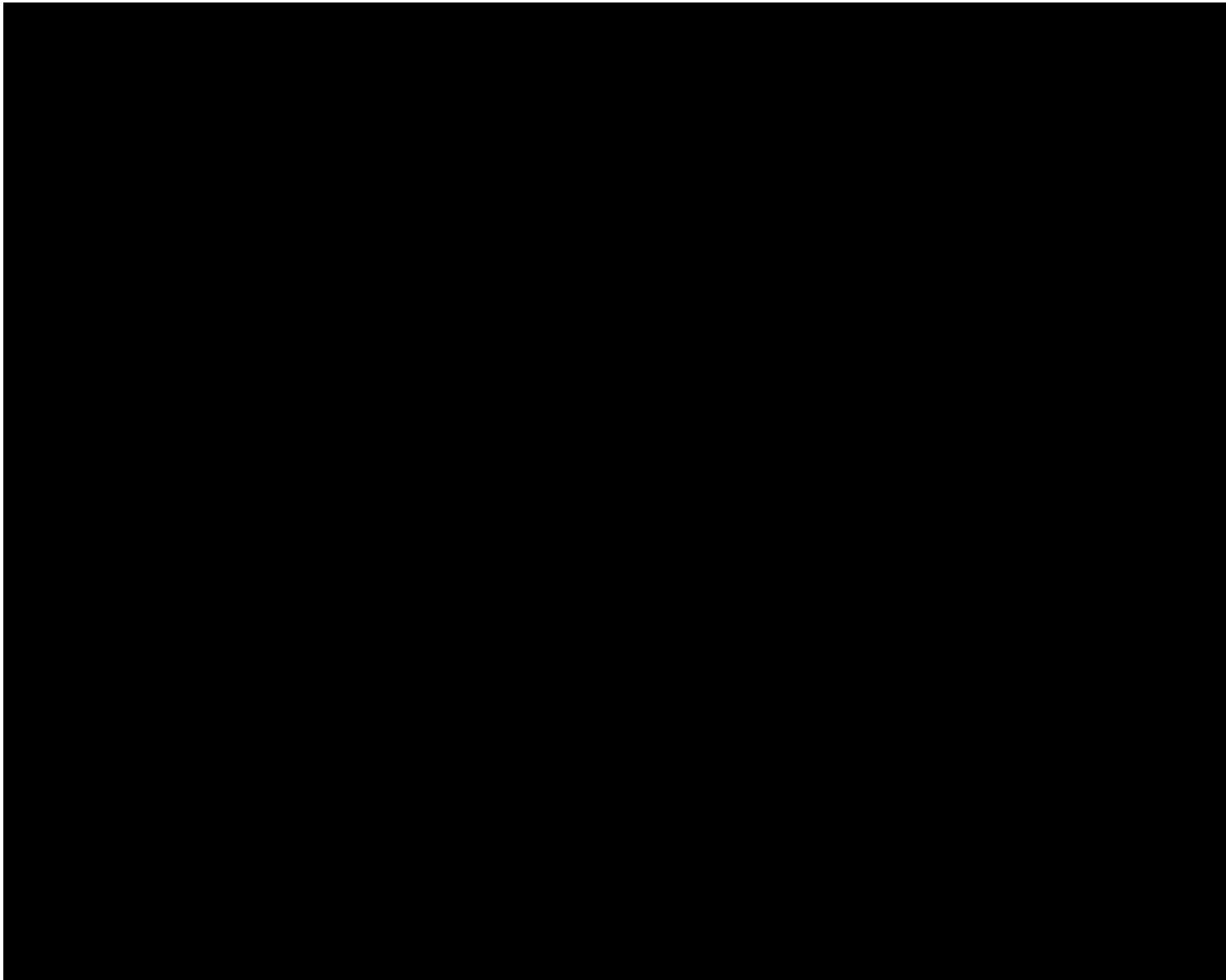
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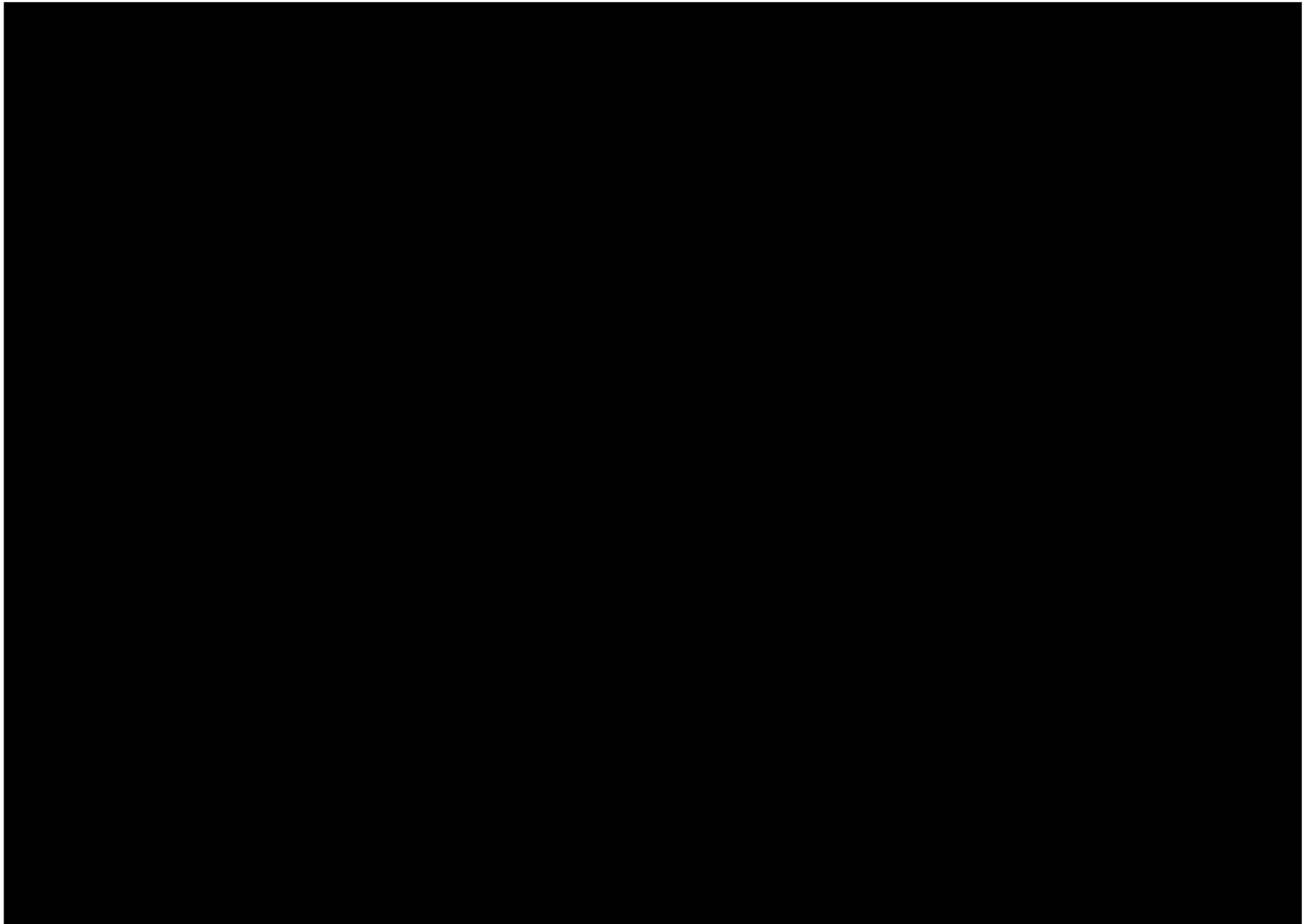
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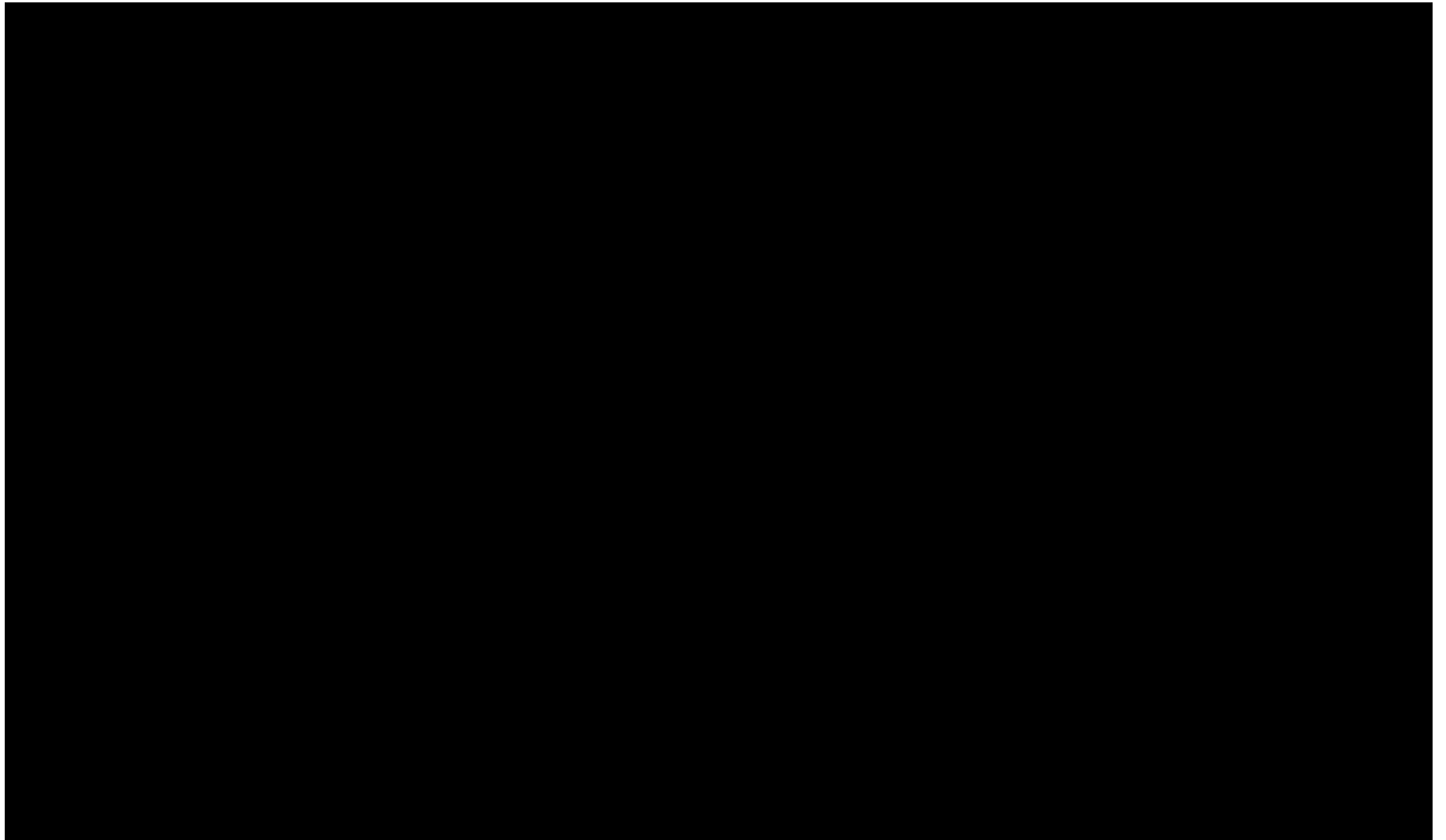
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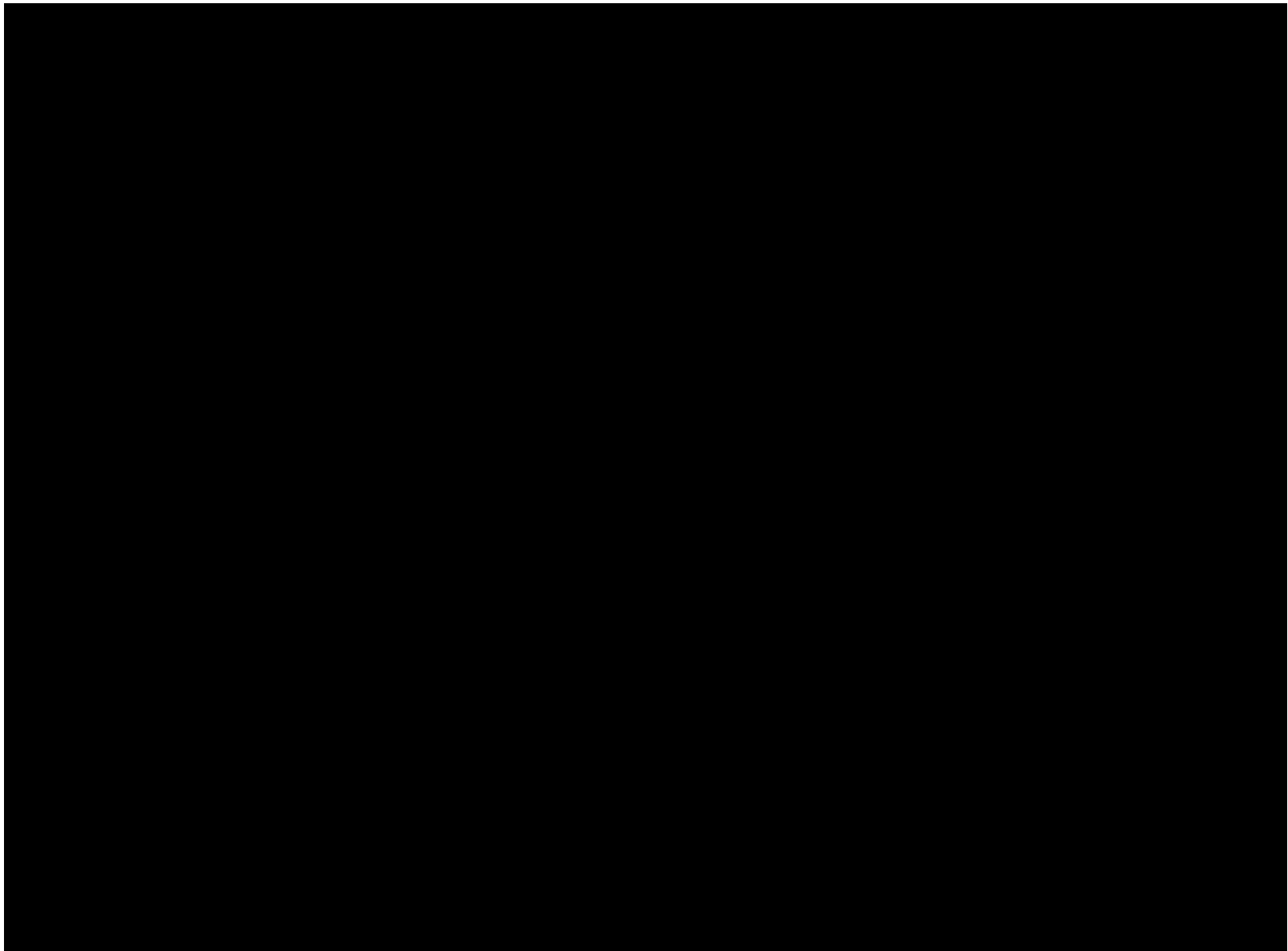
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22. Sub-consultant information:

If one or more sub-consultants will be used, provide the name, address, point of contact and phone number for each. Otherwise, leave this section blank.

Firm Name (as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
ELOS Environmental, LLC	607 West Morris Ave. Hammond, LA 70403	Jay Prather - jprather@elosenv.com	985.662.5501

(Add rows as needed)

23. Location:

If location is an evaluation criterion for this advertisement and the prime consultant intends to establish a local presence, describe the plan for doing so. Otherwise, leave this section blank.