

EXHIBIT H – 22.6 and 22.9 SITE APPLICATION

June 15, 2022

Dan Sotomayor, Administrative Contact
Town of Ramah
113 S Commercial Street
Ramah, Colorado, 80832

Subject: New Domestic Wastewater Treatment Plant Site Location Approval
Regulation 22 Site Location Approval No. ES.ES.21.SA.06505
Town of Ramah, New Wastewater Treatment Facility (Evaporation Ponds)
Colorado Discharge Permit System (CDPS) No. N/A (Evaporation Ponds), COUT00115
El Paso County
ES Project No. ES.20.SRF.05878 (2020 Updated PNA), GLU Project No. 170501W-Q

Dear Dan Sotomayor:

The Water Quality Control Division (Division) has received and reviewed the site location application for the Town of Ramah's conversion from lagoon ponds to evaporative ponds (no discharge). The treatment plant is proposed to be located as follows: The SW 1/4 of the SW 1/4 of Section 1, Township 11, Range 61W, El Paso County. The facility will convert from and unlined lagoon (atop of the Big Sandy Creek alluvium), to a lined, non-discharging evaporative pond system.

The site location application has been found to be in conformance with the Water Quality Control Commission's **Site Location and Design Regulations for Domestic Wastewater Treatment Works, 5 CCR 1002-22** (Regulation 22) and is approved. This site location approval addresses the following summary of the proposed design and must meet the associated conditions:

1. Based upon application information, the treatment works will be designed to receive the following:
 - Hydraulic Design Capacity (Maximum Month Average Daily) - 0.015 million gallons per day (MGD)
 - Organic Design Capacity (Maximum Month Average) - 32 lbs. BOD₅/day
2. As a result of the project, the following processes will be utilized at the proposed treatment plant:
 - Liquid Process: preliminary screening, flow splitting structures, and three lined evaporation ponds (non-discharging).
 - Solids Process: N/A
3. When a domestic wastewater treatment works (including all domestic wastewater treatment facilities (WWTF) and appurtenances as defined in Regulation 22 - treatment plants, lift stations, etc.) is decommissioned, the decommissioning efforts must be completed in a way that ensures protection of waters of the state and the surrounding environment in accordance with appropriate federal, state and local requirements and regulations.
4. At the time of this approval, the design for the evaporation ponds does not incorporate odor mitigation, and is located in proximity to habitable structures. The existing unaerated lagoon has not experienced historical odor complaints. The Site Application indicates that if necessary, the Town of Ramah will complete odor profile testing to determine if odor control is needed and if so, to determine an appropriate odor mitigation technology. In order to ensure the new evaporation ponds can be operated and managed at the proposed site location to minimize foreseeable potential impacts on public health, welfare and safety, the Town of Ramah must incorporate odor control mitigation if future odor complaints are received.

This site location approval does not constitute design approval for construction. In accordance with Regulation 22, Section 22.13(1) and in addition to approval of the site location application, the applicant must obtain design approval of the treatment works from the Division prior to beginning construction.

This site location approval will expire on December 15, 2023. If construction has not commenced by this date, the approval will expire and a new application for site location approval may be required. Construction is defined as entering into a contract for the erection or physical placement of materials, equipment, piping, earthwork or buildings which are to be a part of a treatment works. In cases where the applicant elects to use in-house work forces, construction shall be considered to begin when any actions are initiated towards the previous activities.

In accordance with Regulation 22, Section 22.4(12), this site location approval is subject to appeal pursuant to the State Administrative Procedures Act.

This approval does not relieve the applicant/owner from compliance with all local, state, and federal regulations prior to construction nor from responsibility for proper engineering, construction and operation of the treatment works.

The Engineering Section is interested in gaining feedback about your experience during the engineering review process. We would appreciate your time to complete a Quality-of-Service Survey regarding your experience during the engineering review process leading up to issuance of this decision letter. The Engineering Section will use your responses and comments to identify strengths, target areas for improvement, and evaluate process improvements to better serve your needs. Please take a moment to fill out our survey [here](#).

If you should have any questions, please contact Jeffrey Hlad by phone at 303-692-6276 or by email at Jeffrey.Hlad@state.co.us.

Sincerely,

Bret Icenogle, P.E.
Engineering Section Manager
Water Quality Control Division
Colorado Department of Public Health and Environment

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**TOWN OF RAMAH
WASTEWATER TREATMENT SYSTEM IMPROVEMENTS PROJECT
22.6 & 22.9 SITE APPLICATION AMMENDMENT
FEBRUARY 2022**



MEMORANDUM

TO: El Paso County Community Planning & Development, El Paso County Board of Public Health, Pikes Peak Area Council of Governments, CDPHE

FROM: Element Engineering

DATE: February 28, 2022

SUBJECT: 22.6 and 22.9 Site Application Submittal Amendment

Element Engineering, on the behalf of the Town of Ramah, CO, submitted the 22.6 and 22.9 Site Application Submittals to the Colorado Department of Public Health and Environment (CDPHE), Pikes Peak Area Council of Governments (PPACG) Water Quality Management Committee & Site Application Review Committee on January 19th, 2022.

An amendment to the 22.6 and 22.9 site applications is required for the relocation of the proposed influent lift station. The original 22.6 and 22.9 site applications proposed the influent lift station location at the town owned undeveloped parcel located between Rock Island Ave, Commercial Street and Railroad St with the parcel number 1101100023. The lift station is proposed to be relocated to within the town ROW along Pikes Peak Ave, approximately 200 feet to the southeast of the existing town septic tank influent structure. This memorandum documents the amendment to the following 22.6 and 22.9 site application sections regarding the lift station relocation:

22.6 Site Application

- Section 3.1 – Project Location & Service Area ; Figure 2 – Proposed Project Location

Replace this figure with the Figure 1 in Attachment A attached with this memorandum.

- Section 10 – Legal and Institutional Arrangements; Paragraph 1:

“The lift station will be located on existing Town right-of-way along Pikes Peak Ave, located approximately 200 feet to the southeast of the existing influent septic tank structure. The sewer force main will be constructed in town and county right-of-way.”

- Appendix B, figure 8 – “Town of Ramah Project Location”:

Replace this figure with Figure 1 in Attachment A attached with this memorandum.

- Appendix J – 30% Conceptual Plans

Replace the 30% Concept Plans set with the revised 30% Plan set in Attachment B attached with this memorandum.

22.9 Site Application

- Section 1 – Introduction; Paragraph 2:

“The proposed lift station will be located on existing Town right-of-way (ROW) along Pikes Peak Ave, approximately 200 feet south of the existing influent septic tank. The proposed sewer force main will be located in town and county right-of-way.”

- Section 2.1.3 – Local Water Bodies, Stream and Rivers; Paragraph 1:

“The water body near the project site are Big Sandy Creek and Antelope Creek, which flow approximately 750 feet north of the proposed lift station.

- Section 2.6 – Legal Control of Site:

“The proposed lift station will be located on existing Town right-of-way along Pikes Peak Ave, approximately 200 feet to the southeast of the existing influent septic tank.”

- Section 3 – Project Design Considerations; Paragraph 1:

“The proposed installation of the Town of Ramah Lift Station will consist of the installation of a packaged lift station and valve vault on existing Town right-of-way.”

- Appendix A – Regulation 22.9 Application Forms

Replace the 22.9 Site Application forms with the revised application forms in Attachment C attached with this memorandum.

- Appendix B – Project Maps

Replace Figure 2, Town of Ramah Project Location with Figure 1 in Attachment A attached with this memorandum.

- Appendix G – 30% Conceptual Plans

Replace the 30% Concept Plans set with the revised 30% Plan set in Attachment B attached with this memorandum.



TOWN OF RAMAH

**WASTEWATER TREATMENT PLANT 22.6 SITE
APPLICATION**

JANUARY 2022

REVISED MARCH 2022

WASTEWATER TREATMENT PLANT
22.6 SITE APPLICATION REPORT
FOR
THE TOWN OF RAMAH

JANUARY 2022
REVISED MARCH 2022

EE Job No.: 0043.0001

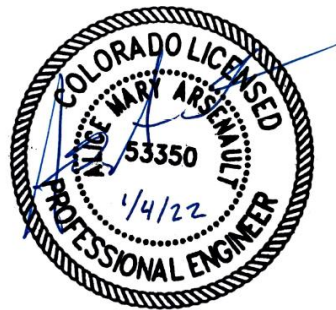


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Appendix C – Information for Planning and Consultation (IPaC) Report

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DEFINITIONS, ACRONYMS, AND ABBREVIATIONS (NOT ALL MAY BE FOUND IN THIS REPORT)

BOD ₅	5-Day Biochemical Oxygen Demand
CDPHE	Colorado Department of Public Health and Environment
CDPS	Colorado Discharge Permit System
cm/sec	Centimeters per second
CY	Cubic Yards
DOLA	Department of Local Affairs
EA	Each
EDU	Equivalent Dwelling Unit
ECHO	Enforcement and Compliance History Online
EE	Element Engineering, LLC
EPA	Environmental Protection Agency
ft	Feet
gal	gallons
gpcd	Gallons per capita-day
gpd	Gallons per day
gpm	Gallons per minute
hp	Horsepower
HVAC	Heating, Ventilating and Air Conditioning
I&I	Inflow and Infiltration
kW	Kilowatts
lb/ac-day	Pounds per acre-day
lb/day	Pounds per day
LF	Linear Feet
LS	Lump Sum
mg/L	Milligrams per Liter
MGD	Million Gallons per Day
N/A	Not available or applicable
O&M	Operations and Maintenance
OMB	Office of Management and Budget
PEL	Preliminary Effluent Limitations
PVC	Polyvinyl Chloride
PW	Present Worth
RAS	Return Activated Sludge
ref.	Reference
RUS	Rural Utilities Services
SCADA	Supervisory Control and Data Acquisition
SFE	Single Family Equivalent
SF	Square Feet
SOG	Slab on Grade
TSS	Total Suspended Solids
USDA	United States Department of Agriculture
VFD	Variable Frequency Drives
WAS	Waste Activated Sludge
WWTP	Wastewater Treatment Plant
YR	Year

1 EXECUTIVE SUMMARY

This 22.6 Site Application Engineering Report presents a detailed analysis of the decommissioning and replacement of the existing Town of Ramah Wastewater Treatment Plant (WWTP). The existing facility consists of one unlined, non-aerated, unpermitted retention pond that does not provide adequate treatment to discharge to groundwater. A replacement of the existing plant must be constructed in order to bring the town into and maintain compliance with state discharge permit requirements.

All wastewater in the collection system is directed to a septic tank that directs flow to the existing lagoon. No flow data exists as no measurement equipment has been installed. The lagoon is neither lined nor aerated. The existing pond is not designed for evaporation, therefore, based on the analysis of the water balance, we assume the lagoon is discharging to the groundwater. The existing facility is unpermitted by CDPHE.

The proposed project includes constructing an evaporation pond wastewater treatment facility that occurs beyond the existing location as the proposed system will be located on a property separate from the existing wastewater facility.

This report proposes the complete decommissioning of the existing lagoon and the construction of a new complete retention/evaporative pond system and all associated equipment. The proposed system will be non-discharging. In summary, the proposed processes to be constructed or installed are as follows:

1. Influent lift station
2. Sewer force main
3. Magnetic flow meter
4. Three evaporative ponds
5. Synthetic liners in all ponds

Note that the influent lift station will be located on a different property than the treatment plant property, and therefore will be permitted through a separate 22.9 Site Application Report. The proposed project will occur on land that was purchased from a private landowner. The Town of Ramah has purchased the site's land from the current landowner of the proposed project area. Documentation of this agreement is included in Appendix F.

2 INTRODUCTION

The Town of Ramah owns and operates the existing Town of Ramah Wastewater Treatment Plant (WWTP) located just north of the town limits. The service area includes 72 sewer services and approximately 130 people based on the most recent US Census Bureau data (2019). There are approximately 2 commercial sewer services within the service area, all of which can be reasonably assumed to contribute similar strength wastewater as the residential services in the area due to the nature of the businesses.

The Town of Ramah WWTP does not currently have authorization to discharge to groundwater. The existing facility consists of an unlined lagoon that does not provide adequate treatment to discharge to groundwater. A replacement of the existing plant must be constructed in order to bring the town into and maintain compliance with state discharge permit requirements.

The existing facility is an unpermitted retention pond with an unknown hydraulic capacity. Note that influent monitoring data is not available as no influent flow monitoring equipment exists at the site. As such, there is no discharge monitoring report data for the existing wastewater facility. This report will rate the new facility to an influent flow of 0.015 MGD and a permitted influent organic load of 32 lbs BOD₅/day, equivalent to an influent BOD concentration of 250 mg/L.

This report proposes the complete decommissioning of the existing facility and the construction of a new evaporative pond system and all associated equipment. The proposed system will be non-discharging. In summary, the proposed processes to be constructed are as follows:

1. Influent lift station
2. Sewer force main
3. Magnetic flow meter
4. Three evaporative ponds
5. Synthetic liners in all ponds

Note that the influent lift station will be located on a different property than the treatment plant property, and therefore will be permitted through a separate 22.9 Site Application Report. This report provides a detailed overview of the existing facility, historical facility compliance, a justification for a hydraulic and organic capacity, and descriptions of the proposed construction.

2.1 APPLICABLE REGULATORY SECTIONS

This *Site Application Engineering Report* will address the requirements set forth in Regulation 22, Section 6. The proposed project includes the construction of a new evaporative pond system with a design capacity greater than 2,000 gpd located beyond the existing site location approval site. The CDPHE Regulation 22.6 Application Form and Completeness Checklist are provided in Appendix A.

This report will be reviewed by CDPHE and all comments received from the agency will be addressed prior to moving forward with the design phase of the proposed WWTP improvements.

In addition to the applicable sections of Regulation 22, the design and facility layout will comply with *State of Colorado Design Criteria for Domestic Wastewater Treatment Works*.

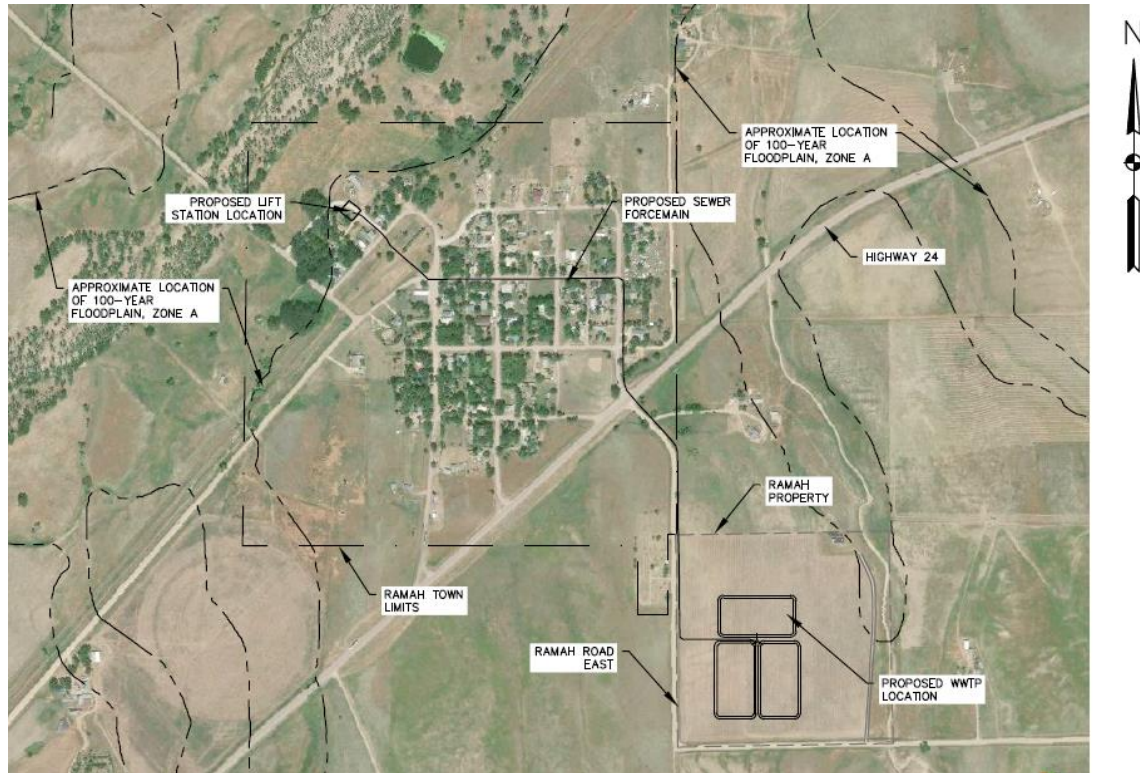


Figure 2 – Proposed Project Location

The proposed project will occur on land that was purchased by the town. Documentation of this agreement is included in Appendix F.

3.1.1 Area Discharge Permits, Drinking Water Intakes, and Domestic Wells

The town of Simla’s water, wastewater, drinking water intakes, and permitted discharge is within 5 miles. Water wells in a one-mile radius were located utilizing the Colorado Decision Support System maps. There are 7 wells within this one-mile radius. Locations of these wells are shown in the 1-Mile Radius Map in Appendix B.

3.1.2 Topography

A USGS topographical map for the project area is located in Appendix B.

3.1.3 Local Water Bodies, Streams, and Rivers

The existing lagoons are located less than 500 feet from the Antelope Creek and Big Sandy Creek. The proposed WWTP will be a complete retention evaporative pond system located approximately 4,000 feet from the Antelope Creek and will not discharge.

3.1.4 Wetlands

Two types of wetlands exist within the planning area: freshwater pond and riverine. Because the existing lagoons are shown as freshwater ponds on the wetlands map, these wetlands will be lost

when the lagoons are decommissioned during completion of the proposed project. A US Fish & Wildlife Service Wetlands map for the project area is attached in Appendix B.

3.1.5 Endangered Species

An Information for Planning and Consultation (IPaC) Report was compiled that catalogs all of the listed and proposed threatened and endangered species, and critical habitats found within the planning area. This report can be found in Appendix C. The IPaC report found 2 endangered species and 5 threatened species in the planning area. However, all of the listed species included in this report are at risk of being affected by water-related activities/use in the N. Platte, S. Platte, and Laramie River Basins. The planning area does not overlap any of these basins, therefore the proposed project is not expected to affect these listed species. No critical habitats were found at this location.

3.1.6 Land Use Projections and Zoning

No changes are expected with respect to land use designations or zoning.

3.2 POPULATION AND FLOW PROJECTIONS

The population of the Town of Ramah has fluctuated between 98 to 132 people over the previous 29 years of reported data from the US Census Bureau. Since 2001 the town has seen a relatively constant increase in population. Table 1 presents the population of the Town of Ramah from 1990-2019.

Table 1 – Historical Population Growth

Year	Population	Annual % Change
1990	108	-
1991	98	-9.26%
1992	101	3.06%
1993	103	1.98%
1994	107	3.88%
1995	108	0.93%
1996	107	-0.93%
1997	119	11.21%
1998	121	1.68%
1999	123	1.65%
2000	123	0.00%
2001	126	2.44%
2002	127	0.79%
2003	126	-0.79%
2004	127	0.79%
2005	124	-2.36%
2006	123	-0.81%
2007	124	0.81%
2008	125	0.81%
2009	126	0.80%
2010	124	-1.59%
2011	125	0.81%
2012	126	0.80%
2013	127	0.79%
2014	126	-0.79%
2015	127	0.79%
2016	128	0.79%
2017	129	0.78%
2018	132	2.33%
2019	130	-1.52%
Average		0.69%
<small>Note: All data from US Census Bureau</small>		

The projected 20-year population can be calculated using the latest census population and the average growth rate for the town. The average annual growth rate from 1990 to 2021 is 0.69%. Table 2 presents the 20-year population forecast for the service area, assuming an annual growth rate of 0.69%.

Table 2 – 20-Year Population Forecast

Year	Population
2018	132
2019	130
2020	131
2021	132
2022	133
2023	134
2024	135
2025	135
2026	136
2027	137
2028	138
2029	139
2030	140
2031	141
2032	142
2033	143
2034	144
2035	145
2036	146
2037	147
2038	148
2039	149
2040	150
2041	151
Note: Growth rate assumes 0.69% increase per year	

3.2.1 Flow and Loading

Historically, the Town of Ramah WWTP has not had a flow monitoring device. This plant is unpermitted and does not have set limitations on flow.

An average max month flow of 85 gpd per capita was assumed for the service area per standard design conditions. Utilizing this usage rate and the existing population estimate of 132, an existing average daily flow of 11,203 gpd was determined. Using the projected population estimates, the 20-year average day flow was calculated to be approximately 12,855 gpd. Table 3 displays the existing and projected future flows.

Table 3 - Existing and Future Flows

Condition	Existing	Future
Population	132	151
Per Capita Flow Rate (gpcd)	85	85
Projected Average Day Flow (gpd)	11,203	12,855

In order to be conservative, the design will be for 15,000 gpd. Note that the 85 gpd per capita flow includes all commercial flows, therefore the projected 20-year flow assumes that increases in commercial flows are equivalent to increases in residential flows. An organic loading limit was not issued as this site is unpermitted, and influent BOD monitoring was not required.

4 ANALYSIS OF EXISTING FACILITIES

4.1 LAYOUT AND DESCRIPTION

The existing wastewater lagoon is located just north of Ramah. The vicinity map and service boundary map in Appendix B depict the location of the lagoon and the limits of the service area, respectively. The town of Simla's water and wastewater utilities are within 5 miles of Ramah. Simla is a permitted discharger.

As currently configured, the Town of Ramah WWTF consists of a non-aerated, unlined lagoon. The lagoon was constructed in the early 1960s. The existing lagoon is unlined and was intended to be non-discharging. However, the lagoons do not operate in this manner and are instead seeping into surrounding soils and groundwater.

No data on the influent flows exists for this site. No flow monitoring has been performed or recorded.

The existing facility process flow is described as follows: all wastewater in the collection system is directed to a septic structure that directs flow to the existing lagoon. The lagoon is neither lined nor aerated. An aerial photograph depicting each unit process is shown in Figure 3. The existing process flow diagram is presented in Figure 4.



Figure 3 – Existing Facility Aerial

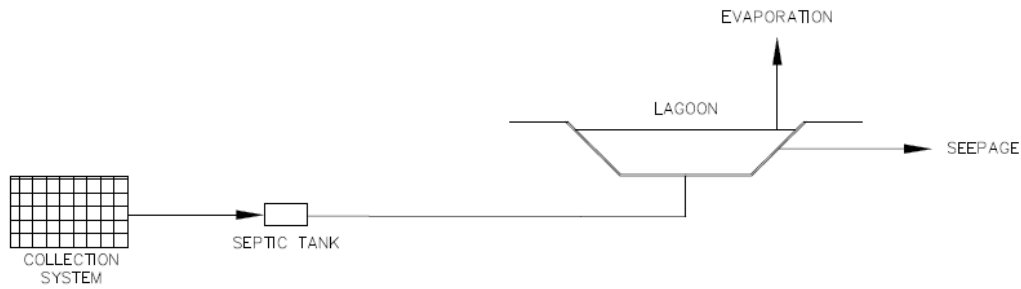


Figure 4 – Existing Process Flow Diagram

4.2 EXISTING PERMIT CONDITIONS

The existing facility is unpermitted under CDPHE and is not authorized to discharge to groundwater via the Big Sandy Creek alluvium. Due to a lack of permit, there are no limitations for the facility.

4.3 PERFORMANCE AND COMPLIANCE

Since the facility is unpermitted, there is no record of effluent data, facility BOD₅ exceedances or compliance with percent removal requirements.

4.4 PROPOSED FLOW AND LOADING

Using the average per capita flow rate of 85 gpd and the previously documented existing and 20-year projected population, flow and loading can be estimated for future conditions. Note that this per capita flow includes all commercial flows, therefore the projected 20-year flow assumes that increases in commercial flows are equivalent to increases in residential flows. Table 4 summarizes the flow calculations.

Table 4 - Flow Projection

Condition	Existing	Future
Population	132	151
Per Capita Flow Rate (gpcd)	85	85
Projected Average Day Flow (gpd)	11,203	12,855

The average annual population growth over the past 29 years has been 0.69%. The overall change per year has been fairly consistent, with some years showing a negative population change. Therefore, it is possible that the 20-year projected population is an overestimation. In order to limit the capital costs of the proposed project, the proposed hydraulic limit shall be set at 15,000 gpd. At this proposed permitted flow, the existing average day flow is approximately 74% of the proposed permitted flow, and the projected average day flow is approximately 85% of the proposed permitted flow. This is appropriate as the proposed facility can be relatively easily expanded by adding an additional pond if the population and wastewater flows significantly increase in the future. Table 5 documents the proposed hydraulic limit.

Table 5 - Proposed (Design) Flowrates

Condition	Flowrate	Units
Proposed Permitted Hydraulic Limit (PHL), Max. Month Avg.	0.01500	MGD
Estimated Annual Average Flow (AAF)	0.01120	MGD
Peak Day Flow (PDF)	0.02241	MGD
20-Year Projected Average Daily Flow (ADF)	0.01285	MGD
Peak Hour Flow (PHF)	0.06000	MGD
AAF = 85 gpcd x current estimated population PDF = AAF x 2 (estimated peaking factor) ADF = 85 gpcd x 20-year projected population PHF = PHL x 4 (appropriate for service area size)		

As this site is not permitted and evaporative, organic loading has not been a concern. Due to the lack of an existing facility permit, influent BOD₅ was not recorded. Therefore, organic loading was determined citing data from Metcalf and Eddy. Wastewater characteristics are not expected to change over the 20-year planning period; therefore, the existing average influent BOD concentration can be assumed to remain constant. Table 6 documents the proposed organic limit. Note that the proposed improvements include a non-discharging evaporative system, therefore testing to determine actual influent BOD concentrations is not necessary.

Table 6 - Proposed (Design) Loading

Condition	Loading	Units
Proposed Permitted Hydraulic Limit	0.015	MGD
Influent BOD Concentration	250	mg/L
Proposed Permitted Organic Limit	32.0	lbs/day
Permitted Influent BOD Concentration appropriate based on Metcalf & Eddy Medium Strength Wastewater		

5 ALTERNATIVES ANALYSIS

Regulation 22, Section 6 requires a treatment alternatives analysis including the analysis of consolidation. In summary, the alternatives evaluated are as follows:

Alternative I - No Action

Alternative II - Consolidation

Alternative III – Mechanical Facility

Alternative IV – Complete Retention/Evaporative Pond System

5.1 DESIGN CRITERIA

Design criteria for this alternatives analysis will comply with CDPHE Wastewater Design Criteria. The proposed flow and loading rates for the facility are shown Table 5 in and Table 6.

5.2 TREATMENT ALTERNATIVES

5.2.1 Alternative I – No Action

Alternative I – “No Action” was not considered. The existing facilities are incapable of treating wastewater to the permitted limits. Continued operation in this manner would result in illegal discharges and enforcement actions, and therefore is not a feasible alternative.

5.2.2 Alternative II – Consolidation

Alternative II - Consolidation is not considered viable. The closest WWTP in the area is in Simla, located approximately 5 miles northeast of Ramah. The costs associated with building a 5-mile pipeline make this alternative financially infeasible. Therefore, consolidation is not a feasible alternative.

5.2.3 Alternative III – Mechanical Facility

Alternative III – Mechanical Facility would include the decommissioning of the existing lagoon system and the complete replacement of the WWTP with a packaged wastewater facility at the existing lagoon treatment site. This alternative would include the construction/installation of the following items:

1. Influent flume and flow meter
2. Influent lift station
3. Sewer force main
4. Influent screening
5. Alkalinity feed system
6. Packaged wastewater treatment plant
7. Chlorine feed system and contact chamber
8. Effluent flume and flow meter

9. Sludge holding basin
10. Building (blowers and chemical feed)

Additionally, this alternative would include any necessary biosolids removal from the existing ponds, fill material to decommission the existing ponds, electrical site work, and yard piping. All processes in this alternative will be sized to meet the 20-year future hydraulic and organic loading. No new or alternative technologies are proposed with this alternative.

A summary cost estimate for Alternative III – Mechanical Facility is presented in Table 7. A detailed cost estimate for this alternative is included in Appendix E.

Table 7 – Alternative III Cost Estimate

Project Cost Summary	
Construction Costs	\$ 1,666,207
Contingency (15%)	\$ 249,931
Non-Construction Cost	\$ 367,645
Additional Annual O&M	\$ 21,253
Total Project Cost	\$ 2,305,035
20-year O&M	\$ 555,499
20-year Life Cycle Cost	\$ 2,860,535

5.2.4 Alternative IV – Complete Retention/Evaporative Pond System

Alternative IV – Complete Retention/Evaporative Pond System would include the decommissioning and the complete replacement of the existing WWTP with a retention and evaporation system. This alternative would include the construction/installation of the following items:

1. Influent lift station
2. Sewer force main
3. Magnetic flow meter
4. Three evaporative ponds
5. Synthetic liners in all ponds

Additionally, this alternative would include all necessary electrical site work and yard piping. No new or alternative technologies are proposed with this alternative.

Complete retention and evaporation ponds are a viable alternative in areas where the moisture deficit (evaporation minus rainfall) exceeds 30 inches annually. These ponds are attractive because they require no treatment components, chemicals, or sampling. Complete retention ponds must be sized to provide the necessary water surface area to evaporate the annual wastewater volume plus the precipitation that falls into the pond throughout the year.

Precipitation data was obtained through the Western Regional Climate Center and its cooperative climatological data summaries. As no data summaries stations exist within the immediate area around Ramah, data was obtained through the closest nearby stations with the most similar climate and elevation to Ramah. The datasets selected were from the Rush 1N and Eastonville 2NNW stations. Both stations are approximately 20 miles away from the service area; Rush is to the south and Eastonville is to the southwest. The precipitation data used for Ramah was obtained by

calculating the average of the two station’s data sets. The average of the annual precipitation total for six other surrounding stations was within 5% of the Ramah data set value. The averaged data set was determined to be appropriate for Ramah as it was within the range of the other nearby surrounding data stations.

To properly hold and evaporate the 15,000 gpd of wastewater with no overflow, a total top of berm area of approximately 8.5 acres and a total land area of 10.3 acres is required. The ponds will need to be lined with a synthetic liner to avoid any discharge to groundwater. Preliminary calculations sizing the evaporation ponds for this alternative are located in Appendix D. The proposed project will occur on land that was recently purchased by the town. A preliminary cost estimate summary for Alternative IV – Complete Retention/Evaporative Pond System is presented in Table 8. A detailed cost estimate for this alternative is included in Appendix E.

Table 8 – Alternative IV Cost Estimate

Project Cost Summary	
Construction Costs	\$ 1,520,514
Contingency (20%)	\$ 228,077
Non-Construction Cost	\$ 334,909
Additional Annual O&M	\$ 3,784
Total Project Cost	\$ 2,087,284
20-year O&M	\$ 269,867
20-Year Life Cycle Cost	\$ 2,357,151

6 SELECTED ALTERNATIVE

6.1 DESCRIPTION

Based on the proposed permitted flow of 0.015 MGD, the most desirable and cost-effective option is Alternative IV – Complete Retention/Evaporative Pond System.

As previously mentioned, this alternative will include the construction of three (3) synthetically lined evaporative ponds with a total required land area of 10.3 acres, and all associated yard piping. Yard piping will be arranged so that any pond may be bypassed for maintenance and repairs. All wastewater from the town will be directed into these ponds, which will not discharge. Once construction of the ponds has been completed, the existing WWTP will be decommissioned by removing and disposing of the biosolids. Additionally, the project will include the construction of a new lift station to replace the existing station and pump to the new evaporative system location. As part of the influent lift station construction, a portion of the existing gravity sewer system will need to be replaced with new inverts that flow back into the influent lift station. This lift station will be on a different property than the evaporative ponds and will be permitted through a separate 22.9 Site Application.

To properly size the evaporation pond, the annual average precipitation rate for the Town of Ramah was obtained from Western Regional Climate Center and its cooperative climatological data summaries. As no data summaries stations exist within the immediate area around Ramah, data was obtained through the closest nearby stations with the most similar climate and elevation to Ramah. The datasets selected were from the Rush, Colorado and Eastonville, Colorado stations. Both stations are approximately 20 miles away from the service area; Rush is to the south and Eastonville is to the southwest. The precipitation data used for Ramah was obtained by calculating the average of the two station's data sets. The average of the annual precipitation total for six other surrounding stations was within 5% of the Ramah data set value. The averaged data set was determined to be appropriate for Ramah as it was within the range of the other nearby surrounding data stations.

The annual free water surface evaporation rate was obtained from NOAA Technical Report NWS 33. All precipitation and evaporation data are included and explained in Appendix D. A process flow diagram for the proposed system is shown in Figure 5.

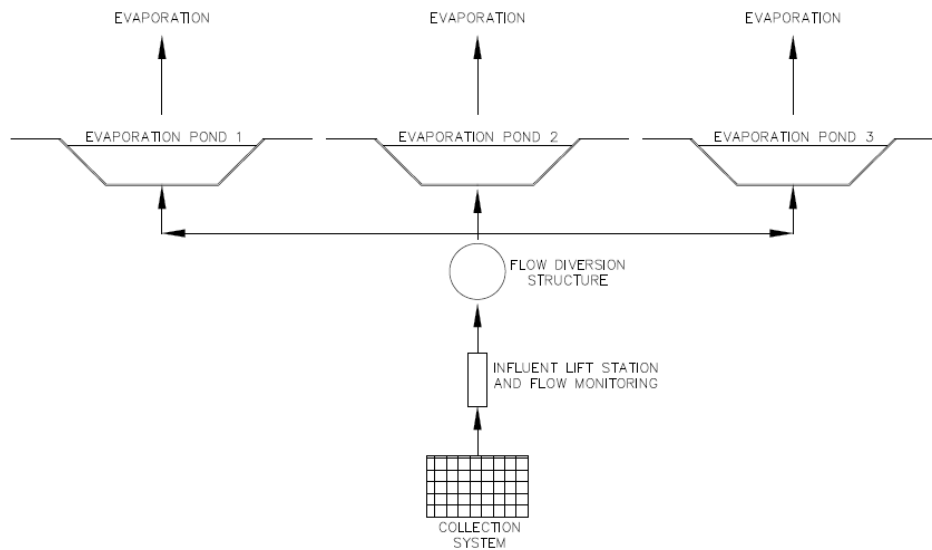


Figure 5 – Proposed Process Flow Diagram

6.2 OPERATIONAL REQUIREMENTS

The existing operator holds a Class S combined water and wastewater operator’s license. This is sufficient for the proposed evaporative pond system. Maintenance will mostly consist of visual inspections of the pond liner, water level, and fence.

6.3 LAND REQUIREMENTS

The proposed ponds will be constructed on land that is owned by the town. Documentation of this purchase is included in Appendix F. No additional land, easements, or rights of way will be required for the completion of this project.

6.4 CONSTRUCTION

No construction challenges are expected.

6.5 IMPLEMENTATION PLAN

A possible implementation schedule for the proposed project is shown in Table 9. Note that this schedule is preliminary and is subject to change at the town’s request or as a result of construction-related activities.

Table 9 – Preliminary Project Schedule

Task	Start Date	End Date
Complete and Submit 22.6 Site Application to CDPHE	--	Jan 2022
CDPHE Review and Approval of Site Application	Jan 2022	Jun 2022
Complete & Submit Process Design Report, 100% Plans and Specifications to CDPHE	Jun 2022	Oct 2022
CDPHE Review and Approval of Process Design Report, 100% Plans and Specifications	Oct 2022	Jan 2023
Project Bidding	Mar 2023	Apr 2023
Construction	Apr 2023	Sep 2023

7 NATURAL HAZARDS ANALYSIS

7.1 FLOODPLAINS

According to the most recent FEMA map from 2018, the majority of the Town of Ramah service area is located in Zone C, areas of minimal flooding. Approximately 15% of the service area falls within Zone A, where base flood elevations and flood hazard factors are undetermined. The proposed evaporative system is located outside of Zone A. The FEMA FIRM map is attached in Appendix B. The 500-year floodplain is not mapped in the area around Ramah. No other portions of the proposed project, including the influent lift station, force main, and replacement gravity sewer are located within the 100-year floodplain. No other potential natural hazards are expected to impact the project or the planning area.

8 PRELIMINARY EFFLUENT LIMITS

The proposed facility will not discharge at the completion of the project. Therefore, preliminary effluent limits (PELs) are not necessary and were not applied for.

9 GEOTECHNICAL CONDITIONS

A full geotechnical analysis will be completed and submitted as part of the Process Design Report phase of this project.

10 LEGAL AND INSTITUTIONAL ARRANGEMENTS

The proposed project will occur on land that was recently purchased by the town. The town's general warranty deed and property transfer documentation for the property is included in Appendix H. Maps showing the location of the lift station and force main are also attached in Appendix B. The lift station will be located on existing Town right-of-way along Pikes Peak Ave, located approximately 200 feet to the southeast of the existing influent septic tank structure. The sewer force main will be constructed in town and county right-of-way.

Per consultation with the town's water rights attorney, the proposed project is not expected to affect the town's requirements to augment water usage. Correspondence summarizing consultation with the town's water rights attorney is included in Appendix G.

11 MANAGEMENT CAPABILITIES

The Town of Ramah wastewater treatment plant will receive only residential and commercial wastewater. No significant growth or changes to wastewater flows or characteristics are expected during the 20-year planning period. Because no industrial waste will be received at the treatment facility, no management capabilities are required.

11.1 CAPACITY SHARING AGREEMENTS

No capacity sharing agreements are necessary because the Town of Ramah is fully responsible for its own service area.

11.2 EMERGENCY OPERATIONS PLAN

Operational issues and other problems with evaporation ponds generally are slow to develop and allow for planning and mitigation. If water level begins to drop in any of the ponds, the operator will regulate this by opening and closing yard valves and checking for maintenance issues.

12 FINANCIAL SYSTEM

12.1 INTER-INSTITUTIONAL AGREEMENTS

The Town of Ramah is not party to any inter-institutional agreements relating to the wastewater treatment plant.

12.2 FINANCIAL RESOURCES

The Town of Ramah is financially sound, and the WWTP is managed and operated by the town. The town sets budgets and rates and determines the need for improvements. The Town of Ramah's 2021 financial budget outlines the financial status of the town. The 2021 budget is attached in Appendix H.

The proposed improvements will present a significant change in the financial obligation of the town due to the loan the town will take on to assist in covering construction costs for the project. These costs have been considered in preliminary cost estimates. The Town of Ramah is seeking funding through the CDPHE SRF program and a DOLA Energy/Mineral Impact Assistance Fund grant. The town is capable and willing to enact rate changes as necessary to support repayment for the project. Note that this portion of the project will not significantly impact ongoing operations and maintenance costs.

13 NOTICE OF INTENT TO CONSTRUCT

The Town of Ramah has negotiated a property purchase with the necessary landowner and will own the land that the evaporation ponds will be constructed on. Because the ponds are complete retention systems, there will be no discharge to the surrounding areas and no private parties will be impacted.

13.1 PUBLIC NOTIFICATION

As required by Regulation 22, a public notice sign has been posted at the wastewater treatment plant site. Figure 6 shows a picture of the posted sign.



Figure 6 – Photo of Posted Notice

The language posted is as follows:

NOTICE OF PROPOSED WASTEWATER TREATMENT PLANT

NOTICE IS HEREBY GIVEN THAT THE PROPERTY UPON WHICH THIS SIGN IS POSTED SHALL BE CONSIDERED FOR THE CONSTRUCTION OF A WASTEWATER TREATMENT PLANT. ADDITIONAL INFORMATION MAY BE OBTAINED BY CONTACTING THE APPLICANT, TOWN OF RAMAH AT (719) 740-0999 OR THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY CONTROL DIVISION, 303-692-3500.

14 CONSISTENCY WITH WATER QUALITY MANAGEMENT PLAN

The proposed project will be a complete retention/evaporative system that will be synthetically lined to eliminate discharge to groundwater. This will provide wastewater disposal without vector nuisances, which is consistent with Colorado's Statewide Water Quality Management Plan.

15 AGENCY REVIEW

Regulation 22, Section 6 requires that a copy of the site location application and all supporting and ancillary documentation be submitted to the local review and commenting agencies prior to submission to CDPHE. The applicable agencies for this project are:

- County: El Paso County
- Health Department: El Paso County Public Health Agency
- 208/COG, RCOG: Pikes Peak Area Council of Governments

Transmittals showing distribution of this site application document are attached in Appendix I. Comments by the local agency reviewers will be submitted to CDPHE upon receipt.

**APPENDIX A
REGULATION 22.6 SITE APPLICATION FORM**



Regulation 22 Site Location Application Form
 Section 22.6 - New Domestic Wastewater Treatment Plant

A. Project and System Information					
System Name	Town of Ramah WWTP				
Project Title	Town of Ramah WWTP Improvements				
County	El Paso				
CDPS Permit No.					
Date Fee Paid or payment attached		Invoice Number and Check Number			
Design Company Name	Element Engineering, LLC				
Design Engineer	Alice Arsenault	CO License Number	53350		
Address	12687 West Cedar Drive, Suite 300 Lakewood, CO 80228				
Email	alicea@elementengineering.net	Phone	(303) 981-0453		
Applicant/Entity	Town of Ramah				
Representative Name	Dan Sotomayor				
Address	113 S Commercial St. Ramah, CO 80832				
Email	townoframah@gmail.com	Phone	(719) 322-7897		
B. Project Information					
<i>Location (existing or proposed site)</i>			<i>Proposed Project Design Capacity</i>		
Brief location description	0 E Ramah Road, Ramah, CO		Hydraulic Capacity Maximum Month Average	0.015 MGD	
Legal Description (e.g., Township, Range)	Section 6, Township 11S, Range 60W, 6 th PM		Peak Hour Hydraulic Capacity	0.060 MGD	
County	El Paso				
Latitude	39°06'58.7"N		Organic Loading Capacity - Treatment Plant Only (Maximum Month Average)	32 lbs. BOD ₅ /day or lbs. cBOD/day	
Longitude	104°09'38.1"W				
<i>Funding Process</i>	Will the State Revolving Fund (SRF) loan program be used to finance any portion of the project?	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
		If yes, please list project number		TBD	
Project Schedule and Cost Estimate					
Estimated Bid Opening Date	April 2023				
Estimated Completion Date	October 2023				
Estimated Project Cost	\$ 2,083,500				

Project and System Information	
System Name	Town of Ramah WWTP
Project Title	Town of Ramah WWTP Improvements
County	El Paso
CDPS Permit No.	N/A
Treatment Works Information	
1.	Type and capacity of treatment works proposed including major processes used. The proposed project includes the construction of a complete retention/evaporative pond system consisting of a lift station, magnetic flow meter and three synthetically lined unaerated retention ponds. The project also includes establishing the facility hydraulic capacity of 0.015 MGD and an organic capacity of 32 lbs BOD/day. The completed facility will not discharge.
Site Information	
2.	Vicinity maps of site location which includes the following: a) 5-mile radius map: all treatment plants, lift stations and domestic water supply intakes b) 1-mile radius map: habitable buildings (e.g., residences, schools, and commercial structures), location of public and private potable water wells, an approximate indication of the topography of the area, and neighboring land uses See Appendix B
3.	Site Location Zoning a) Present zoning of the site location? Agricultural b) Zoning within a one (1) mile radius of the site location? Agricultural & Residential
4.	Floodplain and Natural Hazards a) Is the site located in a 100-year floodplain or other natural hazard area? If so, what precautions are being taken? According to the most recent FEMA map from 2018, approximately 15% of the service area falls within Zone A, where base flood elevations and flood hazard factors are undetermined. A survey and flood study is to be conducted as part of the project to determine base flood elevations of the town as necessary for the funding source of the project (CDPHE SRF). The flood study will be included with the Process Design Report. The proposed evaporative system is located outside of Zone A. b) Has the floodplain been designated by the Colorado Water Conservation Board, Department of Natural Resources or other agency? If so, please list agency name and the designation. The most recent FEMA FIRM map from 2018 is attached in Appendix B. As part of CDPHE SRF funding requirements, this project includes a flood study to determine the base flood elevations and bring the town into compliance with FEMA. This study is ongoing.
5.	Legal Arrangements Demonstrating Control of the Site Please provide the legal arrangements showing control of the site or right-of-way for the project life or showing the ability of the entity to acquire the site or right-of-way and use it for the project life. The proposed project will occur on land that has just recently been purchased by the the town. The town's general warranty deed and property transfer documentation for the property is included in Appendix H. The proposed lift station and force main associated with this project will be constructed in town and county right-of-way.
6.	Nearby Facilities Please list all municipalities and water and/or sanitation districts within 5-miles downstream of the proposed treatment works site. The town of Simla's water, wastewater, drinking water intakes, and permitted discharge is within a 5-mile radius of the proposed project site. Water wells in a one-mile radius were located utilizing the Colorado Decision Support System maps. There are 7 wells within this one-mile radius. Locations of these wells are shown in the 1-Mile Radius Map in Appendix B.
Treatment Works Effluent Information	
7.	Effluent disposal method (check all that apply)
<input type="checkbox"/>	Surface Discharge to watercourse (enter watercourse name below)
<input type="checkbox"/>	Groundwater Discharge
<input type="checkbox"/>	Land application
<input type="checkbox"/>	Treated Effluent Reuse (Regulation 84)

	<input checked="" type="checkbox"/>	Evaporation
	<input type="checkbox"/>	Other (describe below)
8.	Water Quality Planning Targets (please attach a copy in Engineering Report)	
	a) Identify the document to be used as the Water Quality Planning Targets:	
	No water quality planning target will be used as the proposed facility will not discharge.	
	b) If Preliminary Effluent Limits are required, please identify the date the document was received:	
	Not applied for as the proposed facility will not discharge.	
9.	Downstream Distances	
	a) Downstream distance from the discharge point to the nearest domestic water supply intake? Name of supply? Address of supply?	
	<i>Distance:</i> No Discharge <i>Name of Supply:</i> <i>Address of Supply:</i>	
	b) Downstream distance from the discharge point to the nearest other point of diversion? Name of user? Address of user?	
	<i>Distance:</i> No Discharge <i>Name of User:</i> <i>Address of User:</i>	
Project Information		
10.	What entity is financially responsible for the construction of the treatment works?	
	The Town of Ramah	
11.	What entity has the financial responsibility for owning and long term operating expense of the proposed treatment works?	
	The Town of Ramah	
12.	What entity has the responsibility for managing and operating the proposed treatment works after construction?	
	The Town of Ramah	
Additional Factors		
13.	Please identify any additional factors that might help the Division make an informed decision on your site location application.	
	Although the average annual population growth over the past 29 years has been 0.69%, the overall change per year has been fairly consistent, with some years showing a negative population change. Therefore, it is possible that the 20-year projected population is an overestimation. In order to limit the capital costs of the proposed project, the proposed hydraulic limit shall be set at 15,000 gpd. At this proposed permitted flow, the existing average day flow is approximately 74% of the proposed permitted flow, and the projected average day flow is approximately 85% of the proposed permitted flow. This is appropriate as the proposed facility can be relatively easily expanded by adding an additional pond if the population and wastewater flows significantly increase in the future.	



**Applicant Certification and Review Agencies Recommendation
Section 22.6 - New Domestic Wastewater Treatment Plant**

Project and System Information	
System Name	Town of Ramah WWTP
Project Title	Town of Ramah WWTP Improvements
County	El Paso County
CDPS Permit No.	

1. Applicant Certification

I certify that I am familiar with the requirements of *Regulation 22 - Site Location and Design Regulations for Domestic Wastewater Treatment Works*, and have posted the site location in accordance with the regulations. An engineering report, as described and required by the regulations, has been prepared and is enclosed.

Applicant Legal Representative

Position/Title Town Manager	Typed Name Cindy Tompkins	Signature <i>Cindy Tompkins</i>	Date 1-7-2022
Email townoframah@gmail.com		Phone (719) 322-7897	

The system legal representative is the legally responsible agent and decision-making authority (e.g. mayor, president of a board, public works director, owner). The Design Engineer is not the legal representative and cannot sign this form.

2. Recommendation of Review Agencies

As required in Section 22.6(2), the application and the engineering report must be submitted to all appropriate local governments, local health authority, 208 designated planning and management agencies and other state or federal agencies for review and comment prior to submittal to the Division. By signing below, the review agency: 1) acknowledges receipt of the proposed site location application, 2) has reviewed the proposed application and may elect to provide comments, and 3) has provided a recommendation concerning the application to the Division. The recommendation should be based on the factors outlined in Section 22.6(2); for example, on the consistency of the proposed site location application with the local comprehensive plan(s) as they relate to water quality and the approved regional water quality management plan(s). *Please note: Review agencies are encouraged to provide project comments; however, if a review agency does not recommend approval then the agency must attach a letter describing the reason for their decision or comment on the next page.*

Signature of designated Management Agency (i.e., Water Quality Authority, Watershed Association, Watershed Authority)				
Agency	Typed Name	Signature	Date	
Email		Phone	Recommend Approval?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Signature of County, if the site is located in unincorporated areas of a county				
County	Typed Name	Signature	Date	
El Paso County				
Email		Phone	Recommend Approval?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Signature of City or Town, if the site is located within a City/Town boundary or within three miles of the City/Town boundary (if multiple, attach additional sheets as needed)				
City/Town	Typed Name	Signature	Date	
Town of Ramah	<i>Cindy Tompkins</i>	<i>Cindy Tompkins</i>	1-7-2022	
Email	<i>townoframah@gmail.com</i>	Phone	Recommend Approval?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		<i>719-541-2163</i>		

Signature of Local Health Authority

Agency El Paso County Public Health Agency	Typed Name	Signature	Date	
Email		Phone	Recommend Approval?	Yes <input type="checkbox"/> No <input type="checkbox"/>

Signature of 208 Designated Planning Agency

Agency Pikes Peak Area Council of Governments	Typed Name <i>ANDREW GUNNING</i>	Signature <i>[Handwritten Signature]</i>	Date <i>3/22/22</i>	
Email <i>AGUNNING@PPACG.ORG</i>		Phone <i>(719) 471-7000</i>	Recommend Approval?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

Signature of other State or Federal Agencies, if treatment works is located on or adjacent to a site that is owned or managed by a federal or state agency.

Agency	Typed Name	Signature	Date	
Email		Phone	Recommend Approval?	Yes <input type="checkbox"/> No <input type="checkbox"/>

Signature of other undesignated Basin Water Quality Authority, Watershed Association, Watershed Authority, etc.

Agency	Typed Name	Signature	Date	
Email		Phone	Recommend Approval?	Yes <input type="checkbox"/> No <input type="checkbox"/>

Review Agency Comments:

**APPENDIX B
RAMAH FIRM MAP
RAMAH WETLANDS MAP
RAMAH USGS TOPOGRAPHIC MAP
RAMAH WATER RESOURCES MAP
RAMAH PROCESS FLOW DIAGRAMS
RAMAH EXISTING INFRASTRUCTURE & SERVICE AREA MAPS
RAMAH PROPOSED PROJECT MAPS**

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or Floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0' North American Vertical Datum of 1988 (NAVD85). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevation shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures. Refer to section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The projection used in the preparation of this map was Universal Transverse Mercator (UTM) zone 13. The horizontal datum was NAD83, GRS80 spheroid. Differences in datum, uncorrected projection or UTM zones could result in the production of FIRMs for adjacent jurisdictions may result in slight positional differences on map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988 (NAVD85). These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov/> or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, NNGS-12
National Geodetic Survey
SSAUC-3, #9022
1315 East-West Highway
Silver Spring, MD 20910-3282

To obtain current elevation, description, and/or location information for bench marks shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242 or visit its website at <http://www.ngs.noaa.gov/>.

Base Map information shown on this FIRM was provided in digital format by El Paso County, Colorado Springs Utilities, City of Fountain, Bureau of Land Management, National Oceanic and Atmospheric Administration, United States Geological Survey, and Anderson Consulting Engineers, Inc. These data are current as of 2006.

This map reflects more detailed and up-to-date stream channel configurations and floodplain delineations than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map. The profile baselines depicted on this map represent the hydraulic modeling baselines that match the flood profiles and Floodway Data Tables as applicable, in the FIS report. As a result, the profile baselines may deviate significantly from the new base map channel representation and may appear outside of the floodplains.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed Map Index for an overview map of the county showing the layout of map panels, community map repository addresses, and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

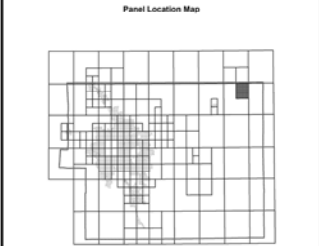
Contact FEMA Map Service Center (MSC) via the FEMA Map Information eXchange (FMIX) 1-877-336-2627 for information on available products associated with this FIRM. Advance products may include preliminary issues letters or map change, a Flood Insurance Study Report, and/or digital versions of this map. The MSC may also be reached by Fax at 1-800-368-9620 and its website at <http://www.msc.fema.gov/>.

If you have questions about this map or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA MAP (1-877-336-2627) or visit the FEMA website at <http://www.fema.gov/business/>.

El Paso County Vertical Datum Offset Table

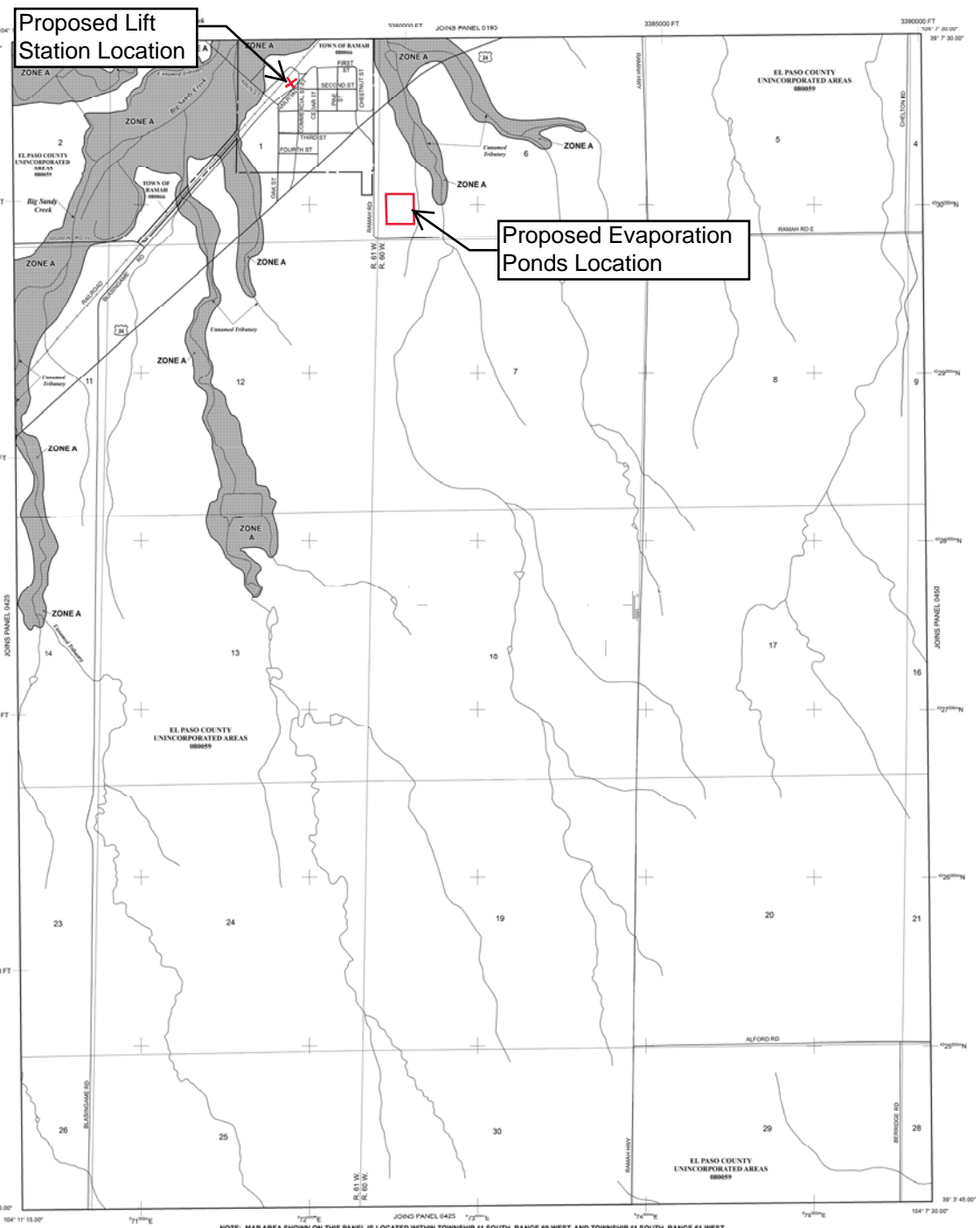
Flooding Source	Vertical Datum Offset (ft)
REFER TO SECTION 3.3 OF THE EL PASO COUNTY FLOOD INSURANCE STUDY FOR STREAM BY STREAM VERTICAL DATUM CONVERSION INFORMATION	

Panel Location Map



This Digital Flood Insurance Rate Map (DFIRM) was produced through a Cooperative Technical Partner (CTP) agreement between the State of Colorado Water Conservation Board (CWCB) and the Federal Emergency Management Agency (FEMA).

Additional Flood Hazard information and resources are available from local communities and the Colorado Water Conservation Board.



NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 11 NORTH, RANGE 60 WEST, AND TOWNSHIP 11 SOUTH, RANGE 61 WEST.

LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAS) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zone A, AE, AH, AO, AV, X, and VE. The Base Flood Elevation is the water surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined.
Base Flood Elevations determined.

ZONE AE Base Flood Elevations determined.
Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.

ZONE AO Flood depths of 1 to 3 feet (usually shear flow on sloping terrain); average depths determined. For areas of abutment flow flooding, velocities also determined.

ZONE AR Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently removed. Zone AR indicates that the former flood control system is being removed to provide protection from the 1% annual chance flood.

ZONE AV Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.

ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.

ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachments, or not the 1% annual chance flood can be carried without substantial increase in flood heights.

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with average areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPA)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

— Floodplain boundary
— Floodway boundary
— Zone D boundary
— CBRS and OPA boundary

— Boundary of Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
— Base Flood Elevation line and value; elevation in feet* (EL 987)
— Base Flood Elevation value where uniform within zone; elevation in feet*
* Referenced to the North American Vertical Datum of 1988 (NAVD 88)

— Cross section line
— Transect line
— Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)
— 1000-meter Universal Transverse Mercator grid lines, zone 13
— 1000-foot grid lines: Colorado State Plane coordinate system, central area EPCOZONE 0057, Lambert Conformal Conic Projection
— Bench mark (see explanation in Notes to Users section of this FIRM panel)
— M 1.5 River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE 'FLOOD INSURANCE RATE MAP'
MARCH 17, 1997

EFFECTIVE DATES (OF REVISIONS) TO THIS PANEL
DECEMBER 7, 2018: In update county limits to the Base Flood Elevations and Special Flood Hazard Areas, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

For community map revision history prior to countywide mapping, refer to the Community Map History Table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-639-6020.

MAP SCALE 1" = 1000'

0 500 1000 2000 FEET
0 0 300 600 METERS

NFP **PANEL 0410G**

FIRM
FLOOD INSURANCE RATE MAP
EL PASO COUNTY,
COLORADO
AND INCORPORATED AREAS

PANEL 410 OF 1300
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS	NUMBER	PANEL	SUFFIX
EL PASO COUNTY	0000	000	0
BARNA TOWN OF	0000	000	0

Map Number
08041C0410G

MAP REVISED
DECEMBER 7, 2018

Federal Emergency Management Agency



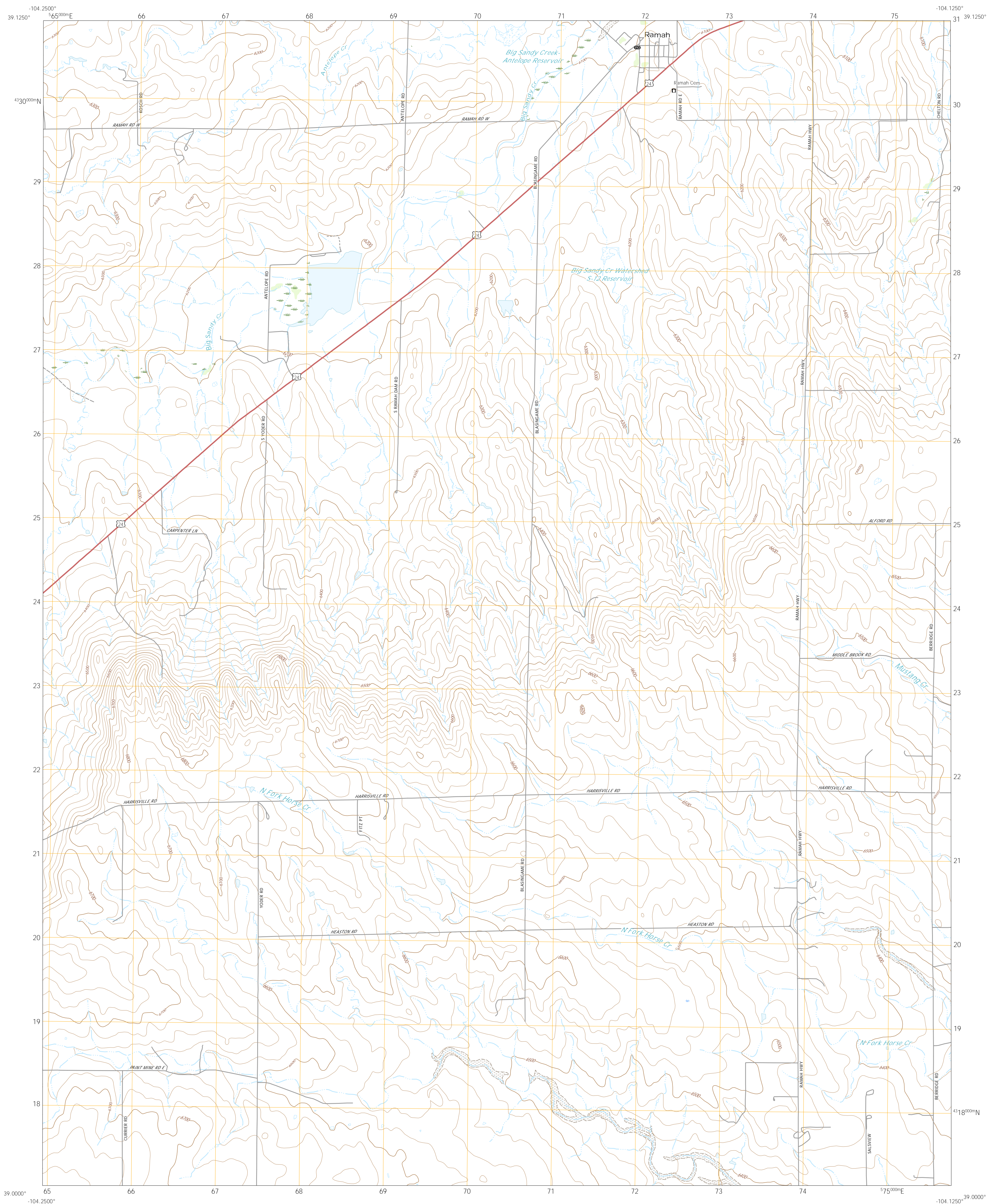
Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

September 17, 2021

Wetlands

- | | | |
|--|---|--|
|  Estuarine and Marine Deepwater |  Freshwater Emergent Wetland |  Lake |
|  Estuarine and Marine Wetland |  Freshwater Forested/Shrub Wetland |  Other |
| |  Freshwater Pond |  Riverine |

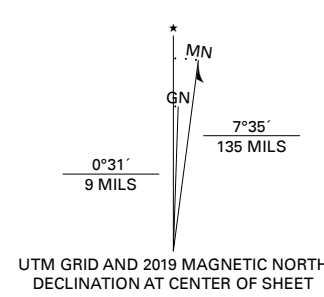
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



Produced by the United States Geological Survey

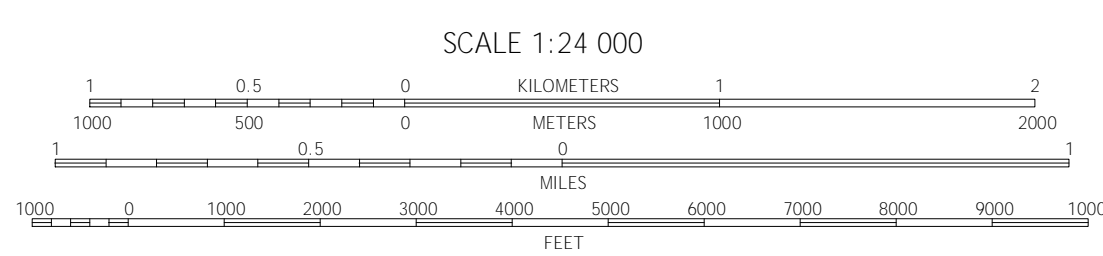
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84) Projection and
1 000-meter grid/Universal Transverse Mercator, Zone 13S
This map is not a legal document. Boundaries may be
generalized for this map scale. Private lands within government
reservations may not be shown. Obtain permission before
entering private lands.

Imagery.....NAIP, August 2017 - January 2018
Roads.....U.S. Census Bureau, 2016
Names.....GNIS, 1994 - 2018
Hydrography.....National Hydrography Dataset, 1999 - 2018
Contours.....National Elevation Dataset, 2007
Boundaries.....Multiple sources; see metadata file, 2017 - 2018
Public Land Survey System.....BLM, 2018
Wetlands.....FWS National Wetlands Inventory 1974 - 1976



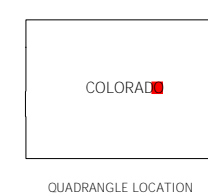
UTM GRID AND 2018 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

U.S. National Grid	100,000 - m Square ID
ED	
Grid Zone Designation	13S



CONTOUR INTERVAL 20 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the
National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is draft version 0.6.18



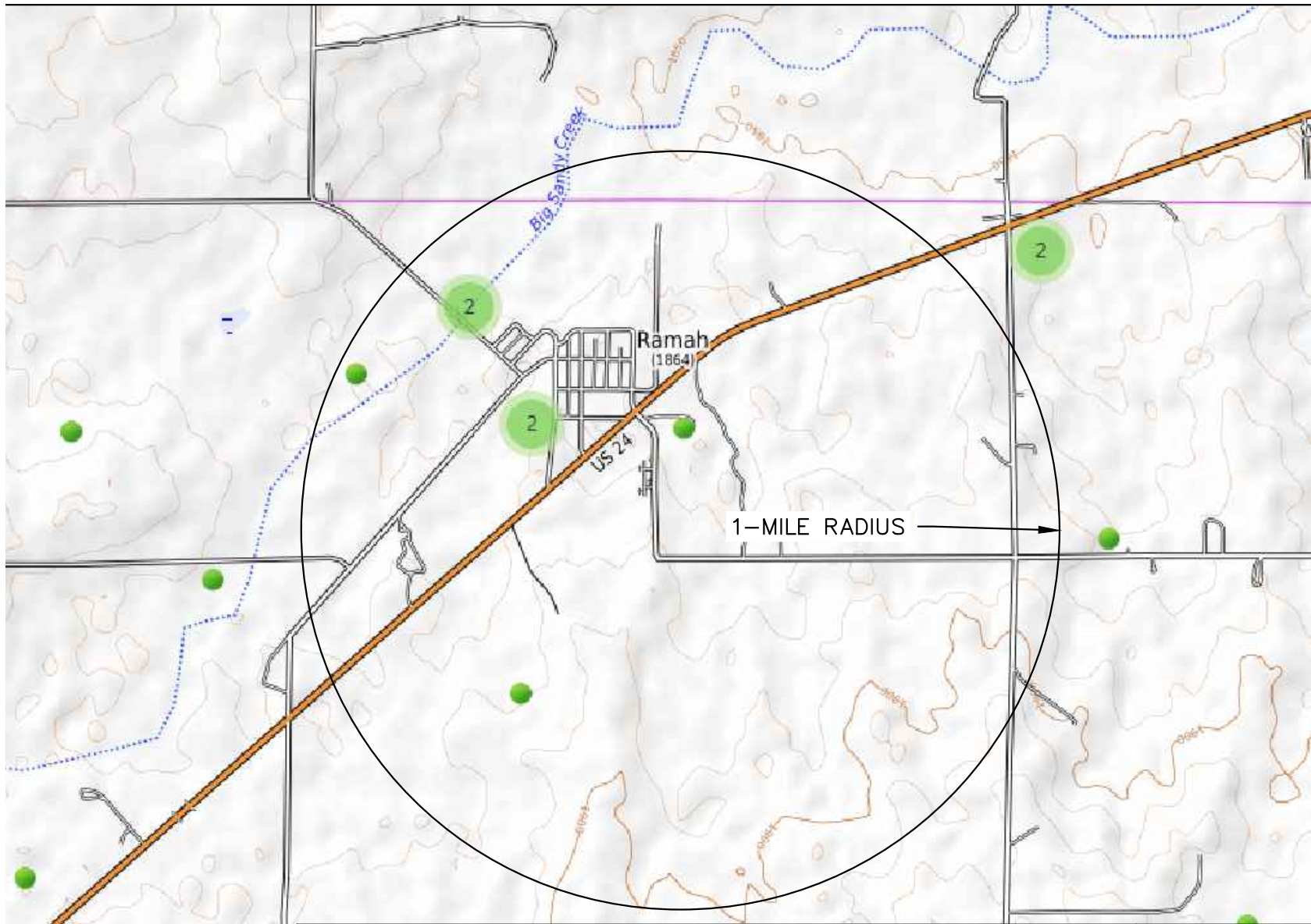
1	2	3
4	5	6
7	8	

1 Fondis
2 Ramah North
3 Simla
4 Calhan
5 Alta Vista
6 Holcolm Hills
7 Rush NW
8 Holtzworth Store

ROAD CLASSIFICATION

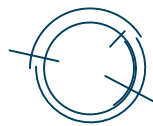
	Expressway		Local Connector
	Secondary Hwy		Local Road
	Ramp		4WD
	Interstate Route		US Route
			State Route





RAMAH WELLS 1-MILE RADIUS

DATE
SEPT. 21

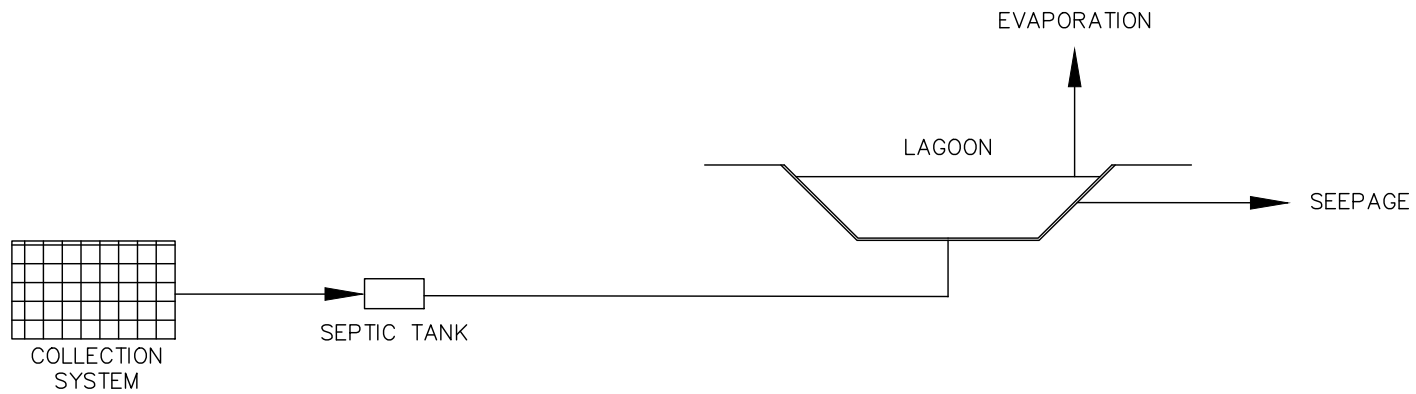


ELEMENT
ENGINEERING LLC

12687 W. CEDAR DRIVE, SUITE 300
LAKEWOOD, CO 80228
720.749.4165
WWW.ELEMENTENGINEERING.NET

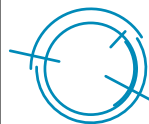
JOB NUMBER
0043.0001

SCALE
NTS



RAMAH EXISTING PROCESS FLOW

DATE
SEPTEMBER 2021

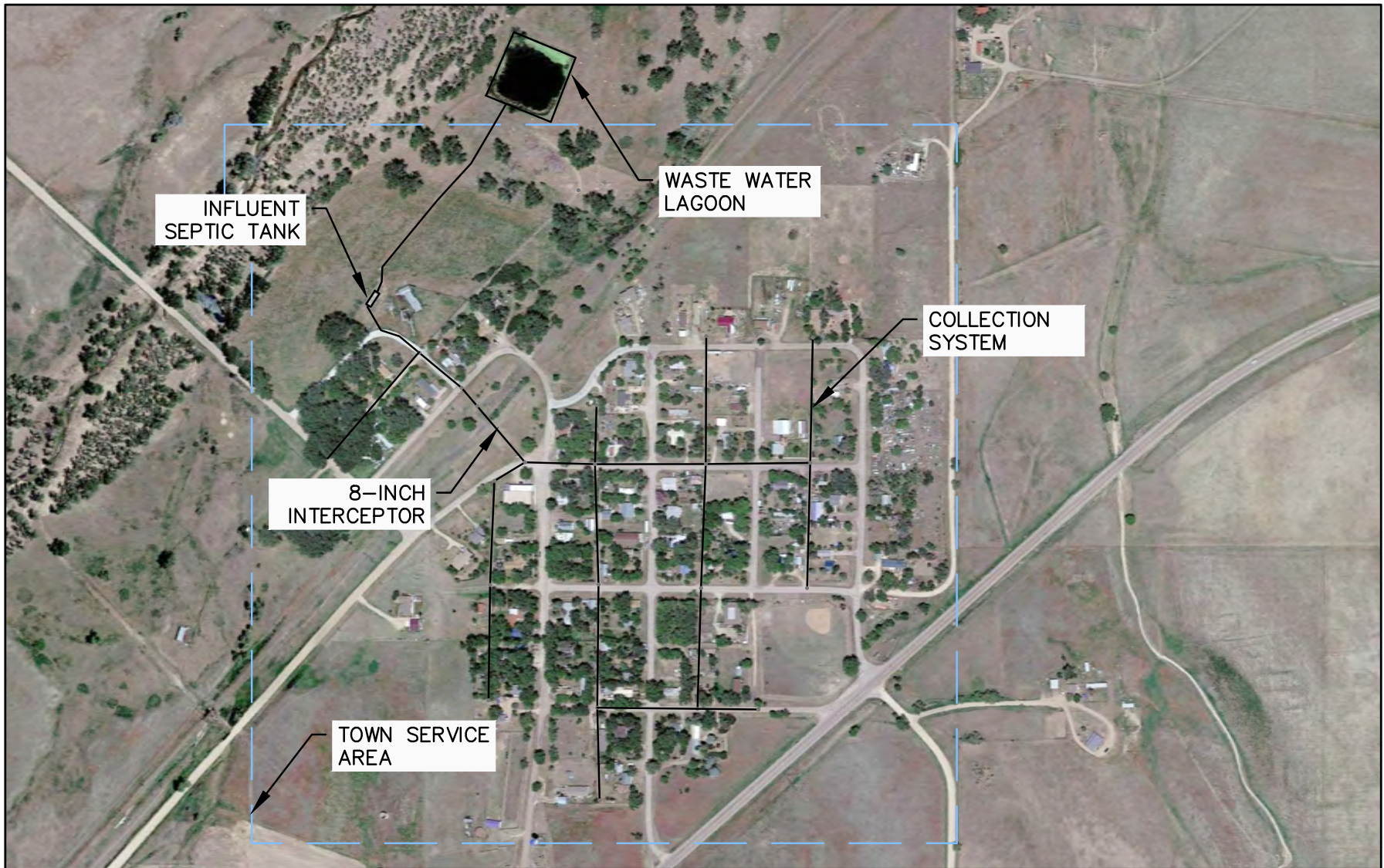


ELEMENT
ENGINEERING LLC

12687 W. CEDAR DRIVE, SUITE 350
LAKEWOOD, CO 80228
303.378.2969
WWW.ELEMENTENGINEERING.NET

JOB NUMBER
0043.0001

SCALE
NTS



EXISTING WASTEWATER FACILITY LAYOUT



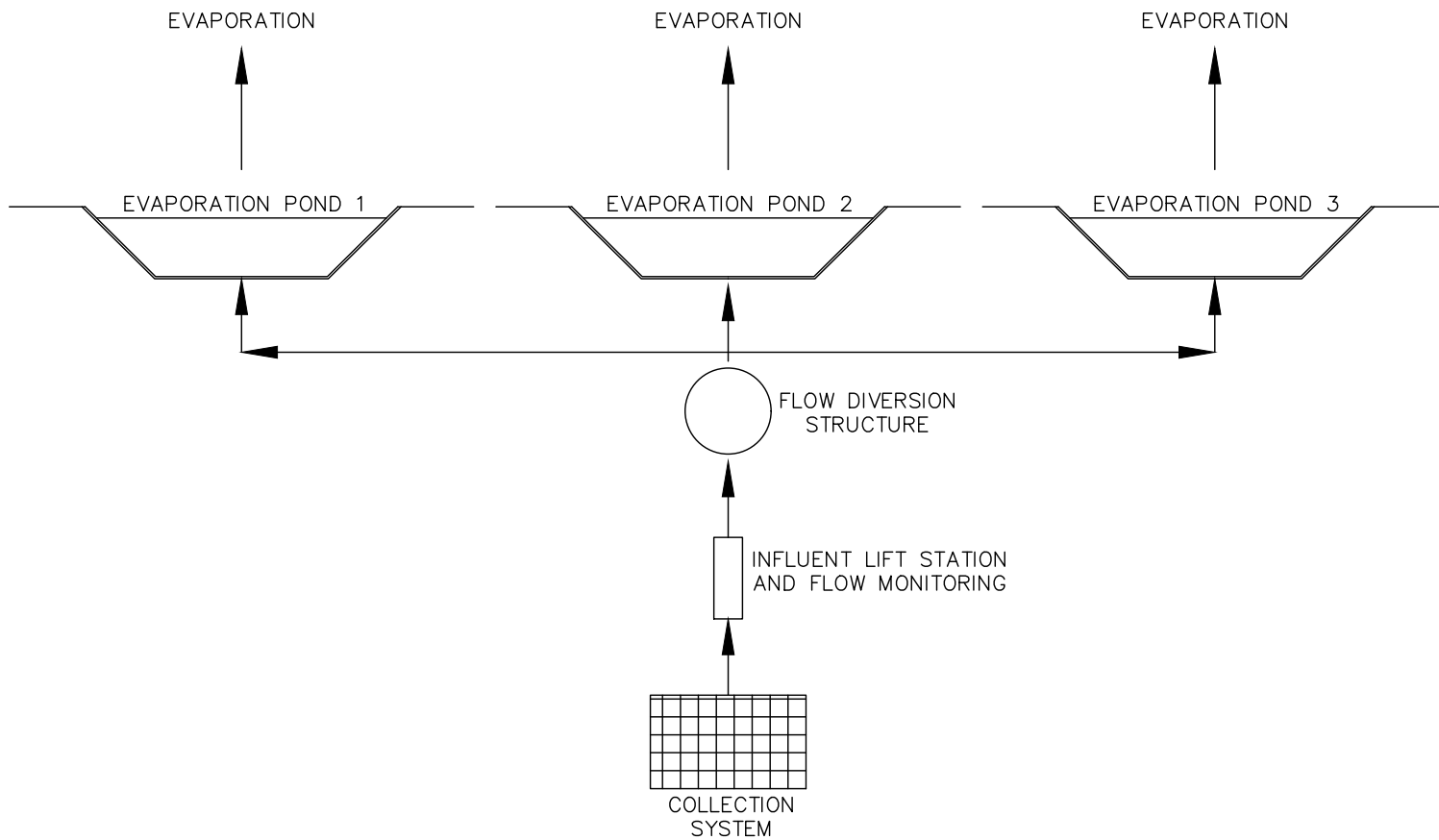
ELEMENT
ENGINEERING LLC

12687 W. CEDAR DRIVE, SUITE 350
LAKEWOOD, CO 80228
303.378.2969
WWW.ELEMENTENGINEERING.NET

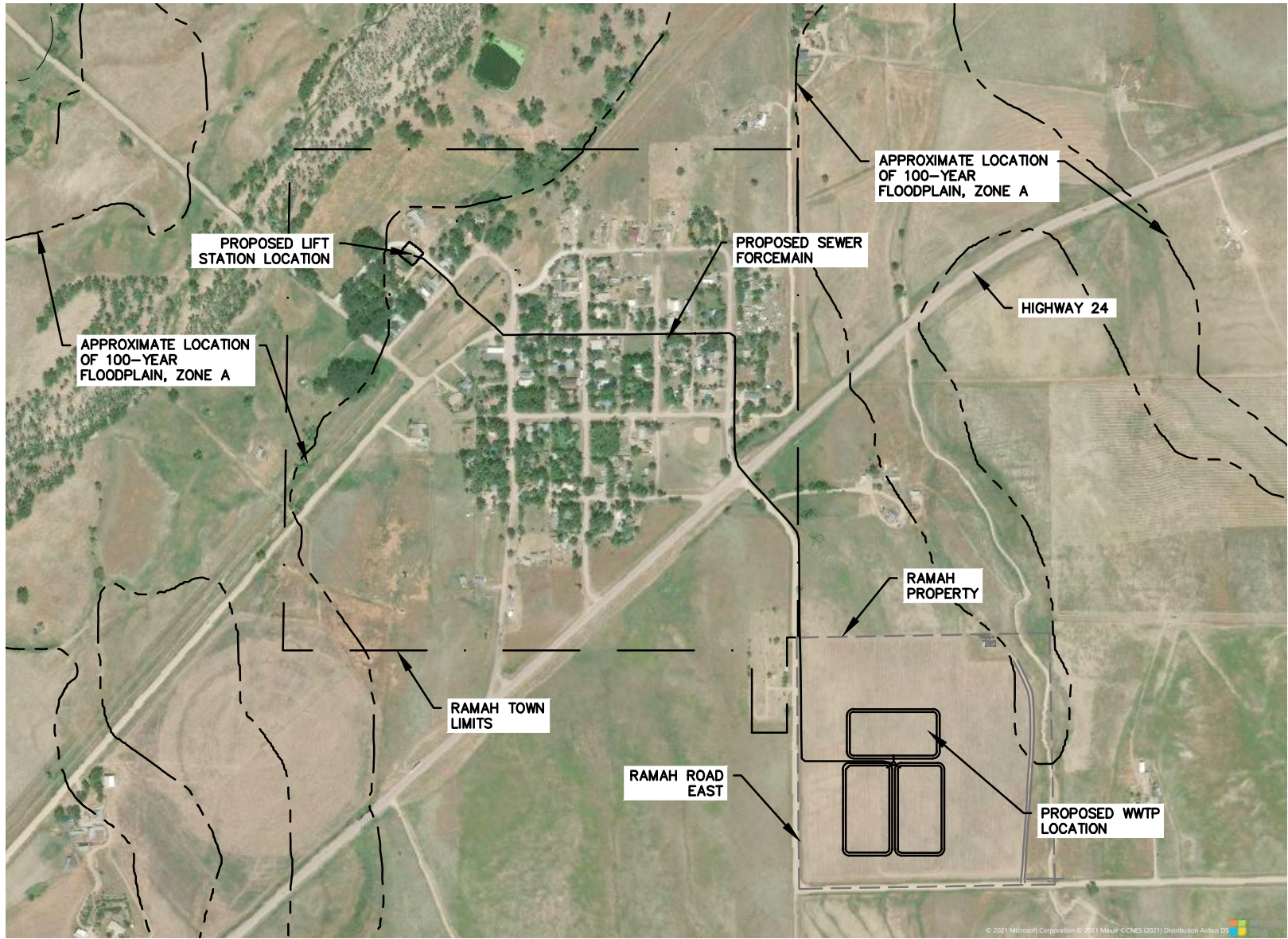
DATE
NOVEMBER 2021

JOB NUMBER
0043.0001

SCALE
1" = 500'

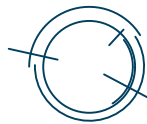


RAMAH PROPOSED PROCESS FLOW		DATE SEPTEMBER 2021
 ELEMENT ENGINEERING LLC	12687 W. CEDAR DRIVE, SUITE 350 LAKEWOOD, CO 80228 303.378.2969 WWW.ELEMENTENGINEERING.NET	JOB NUMBER 0043.0001
		SCALE N/A



TOWN OF RAMAH PROJECT LOCATION

DATE
FEBRUARY 2022



ELEMENT
ENGINEERING LLC

12687 W. CEDAR DRIVE, SUITE 300
LAKEWOOD, CO 80228
720.749.4165
WWW.ELEMENTENGINEERING.NET

JOB NUMBER
0043.0001

SCALE
1" = 800'

**APPENDIX C
US FISH & WILDLIFE IPAC REPORT**

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

El Paso County, Colorado



Local office

Colorado Ecological Services Field Office

☎ (303) 236-4773

📅 (303) 236-4005

MAILING ADDRESS

Denver Federal Center

P.O. Box 25486

Denver, CO 80225-0486

PHYSICAL ADDRESS

134 Union Boulevard, Suite 670
Lakewood, CO 80228-1807

<http://www.fws.gov/coloradoES>

<http://www.fws.gov/platteriver>

NOT FOR CONSULTATION

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species¹ and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries²).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Birds

NAME

STATUS

Eastern Black Rail *Laterallus jamaicensis* ssp. *jamaicensis* **Threatened**

Wherever found

No critical habitat has been designated for this species.

<http://ecos.fws.gov/ecp/species/10477>

Piping Plover *Charadrius melodus* **Threatened**

This species only needs to be considered if the following condition applies:

- Project includes water-related activities and/or use in the N. Platte, S. Platte, and Laramie River Basins which may affect listed species in Nebraska.

There is **final** critical habitat for this species. The location of the critical habitat is not available.

<http://ecos.fws.gov/ecp/species/6039>

Whooping Crane *Grus americana* **Endangered**

This species only needs to be considered if the following condition applies:

- Project includes water-related activities and/or use in the N. Platte, S. Platte, and Laramie River Basins which may affect listed species in Nebraska.

There is **final** critical habitat for this species. The location of the critical habitat is not available.

<http://ecos.fws.gov/ecp/species/758>

Fishes

NAME

STATUS

Greenback Cutthroat Trout *Oncorhynchus clarkii stomias* **Threatened**

Wherever found

No critical habitat has been designated for this species.

<http://ecos.fws.gov/ecp/species/2775>

Pallid Sturgeon *Scaphirhynchus albus* **Endangered**

Wherever found

This species only needs to be considered if the following condition applies:

- Project includes water-related activities and/or use in the N. Platte, S. Platte, and Laramie River Basins which may affect listed species in Nebraska.

No critical habitat has been designated for this species.

<http://ecos.fws.gov/ecp/species/7162>

Insects

NAME

STATUS

Monarch Butterfly *Danaus plexippus*

Candidate

Wherever found

No critical habitat has been designated for this species.

<http://ecos.fws.gov/ecp/species/9743>

Flowering Plants

NAME

STATUS

Ute Ladies'-tresses *Spiranthes diluvialis*

Threatened

Wherever found

No critical habitat has been designated for this species.

<http://ecos.fws.gov/ecp/species/2159>**Western Prairie Fringed Orchid** *Platanthera praeclara*

Threatened

Wherever found

This species only needs to be considered if the following condition applies:

- Project includes water-related activities and/or use in the N. Platte, S. Platte, and Laramie River Basins which may affect listed species in Nebraska.

No critical habitat has been designated for this species.

<http://ecos.fws.gov/ecp/species/1669>

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern <http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>
- Measures for avoiding and minimizing impacts to birds <http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Nationwide conservation measures for birds <http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf>

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern](#) (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME

BREEDING SEASON (IF A BREEDING SEASON IS INDICATED FOR A BIRD ON YOUR LIST, THE BIRD MAY BREED IN YOUR PROJECT AREA SOMETIME WITHIN THE TIMEFRAME SPECIFIED, WHICH IS A VERY LIBERAL ESTIMATE OF THE DATES INSIDE WHICH THE BIRD BREEDS ACROSS ITS ENTIRE RANGE. "BREEDS ELSEWHERE" INDICATES THAT THE BIRD DOES NOT LIKELY BREED IN YOUR PROJECT AREA.)

Mccown's Longspur *Calcarius mccownii*

Breeds May 1 to Aug 15

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<http://ecos.fws.gov/ecp/species/9292>

Mountain Plover *Charadrius montanus*

Breeds Apr 15 to Aug 15

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<http://ecos.fws.gov/ecp/species/3638>

Red-headed Woodpecker *Melanerpes erythrocephalus*

Breeds May 10 to Sep 10

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

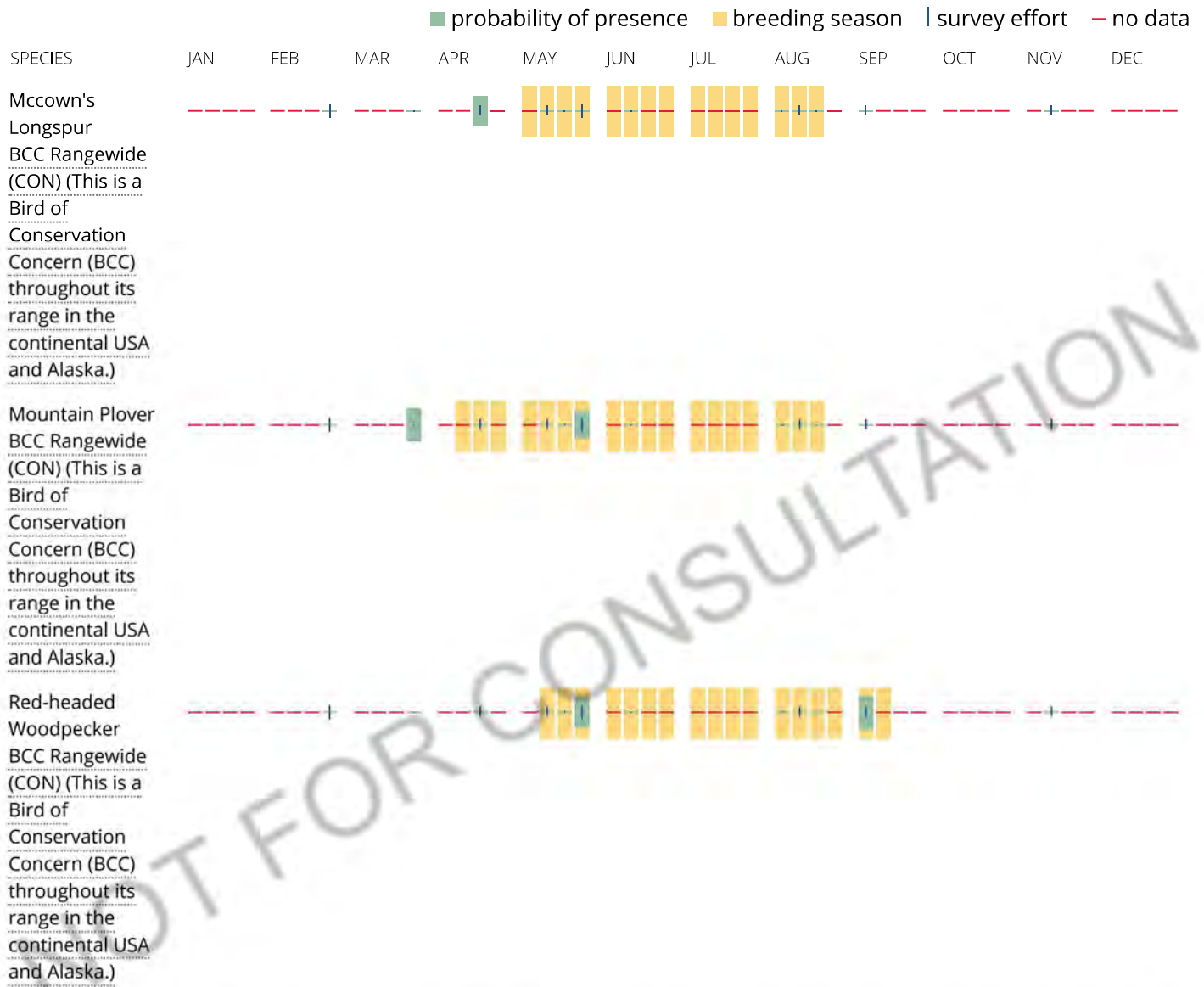
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (—)

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [AKN Phenology Tool](#).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: [The Cornell Lab of Ornithology All About Birds Bird Guide](#), or (if you are unsuccessful in locating the bird of interest there), the [Cornell Lab of Ornithology Neotropical Birds guide](#). If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS AT THIS LOCATION.

Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

Wetlands in the National Wetlands Inventory

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

This location overlaps the following wetlands:

FRESHWATER POND

[PUSC](#)

RIVERINE

[R4SBC](#)

A full description for each wetland code can be found at the [National Wetlands Inventory website](#)

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

**APPENDIX D
POND SIZING CALCULATIONS**

Town of Ramah
 22.6 Site Application
 Appendix D – Pond Sizing Calculations

Flow & Loading

The system has been designed for an influent flow rate of 15,000 gpd and 32 lbs of BOD/day.

Precipitation

Precipitation data was obtained from Western Regional Climate Center, Station Rush 1N and Eastonville 2NNW. The data set for Ramah was determined by calculating the average of the Rush and Eastonville stations. The data from Rush and Eastonville is presented in Table 1. The calculated data for Ramah is presented in Table 2.

Table 1 - WRCC Precipitation Data

Month	Precipitation (in)	Month	Precipitation (in)
January	0.44	January	0.24
February	0.47	February	0.25
March	1.29	March	0.65
April	2.09	April	1.26
May	2.56	May	2.18
June	2.3	June	1.87
July	3.18	July	2.37
August	3.07	August	2.54
September	1.47	September	1.11
October	1.12	October	0.64
November	0.79	November	0.35
December	0.52	December	0.25
Total	19.30	Total	13.71
Source: WRCC Station Eastonville 2 NNW		Source: WRCC Station Rush 1N	

Table 2 - Ramah Precipitation Data

Month	Precipitation (in)
January	0.34
February	0.36
March	0.97
April	1.68
May	2.37
June	2.09
July	2.78
August	2.81
September	1.29
October	0.88
November	0.57
December	0.39
Total	16.51
Source: Average of WRCC Station Rush 1N & Eastonville 2 NNW	

Town of Ramah
 22.6 Site Application
 Appendix D – Pond Sizing Calculations

Evaporation

Evaporation data was taken from NOAA Tech Atlas 33 Gross Evaporation map No.3 – Annual Free Water Surface Evaporation and the State Engineer’s Office recommended distribution of evaporation for elevations below 6,500 feet. Monthly evaporation rates are presented in Table 3. The relevant information from these sources is attached to this memo.

Table 3 - Monthly Evaporation Rates

Month	Evaporation Distribution	Evaporation Rate (in)
January	3%	1.41
February	4%	1.645
March	6%	2.585
April	9%	4.23
May	12%	5.64
June	15%	6.815
July	15%	7.05
August	14%	6.345
September	10%	4.7
October	7%	3.29
November	4%	1.88
December	3%	1.41
Total	100%	47

Source: NOAA Tech Atlas 33 Gross Evaporation Map No. 3 – Annual Free Water Surface Evaporation and the State Engineer’s Office recommended distribution of evaporation for elevations below 6,500 feet

Evaporation Calculations

The above information was utilized to perform an iterative process to determine the appropriate sizing for an evaporative system. The size of the ponds was increased until the ponds will completely evaporate once per year. The total land required will be approximately 10.3 acres. The evaporative pond system calculation table is attached to this memo.

BOD Loading

Colorado Department of Public Health and Environment (CDPHE) Design Criteria for Domestic Wastewater Treatment Works requires that “the total BOD loading shall not exceed 0.5 pounds per 1,000 square feet of water surface per day based on the total water surface in the stabilization pond”. The total minimum operating water level of the ponds is 310,000 SF.

$$\left(32 \text{ lbs} \frac{\text{BOD}}{\text{day}}\right) \div \left(310,000 \frac{\text{SF}}{1,000}\right) = 0.10 \text{ lbs}/1,000 \text{ SF}$$

Town of Ramah

22.6 Site Application

Appendix D – Pond Sizing Calculations

The total BOD loading is calculated to be 0.10 lbs BOD/1,000 SF at the proposed permitted influent organic loading. This meets CDPHE criteria.

**Town of Hugo
Evaporation Pond Calculations**

**Town of Ramah
Evaporation Pond Calculations**

Table of Contents

1. Precipitation and Evaporation Data
2. Evaporation Pond Design
3. Water Balance - Design Operating Conditions
4. Water Balance - 25-Year 24 Hour Precipitation Event Conditions

1. Precipitation and Evaporation Data

Month	Precipitation (in)	Evaporation Distribution	Evaporation Rate (in)
January	0.34	3.0%	1.41
February	0.36	3.5%	1.645
March	0.97	5.5%	2.585
April	1.675	9.0%	4.23
May	2.37	12.0%	5.64
June	2.085	14.5%	6.815
July	2.775	15.0%	7.05
August	2.805	13.5%	6.345
September	1.29	10.0%	4.7
October	0.88	7.0%	3.29
November	0.57	4.0%	1.88
December	0.385	3.0%	1.41
Total	16.505	100%	49

Precipitation Source: WRCC Station Hugo 1 NW
 Evaporation Source: NOAA Tech Atlas 33 Gross Evaporation Map No. 3 – Annual Free Water Surface Evaporation and the State Engineer’s Office recommended distribution of evaporation for elevations below 6,500 feet

25-Year 24-Hour Precipitation Event		
25-Year 24-Hour Precipitation Event	3.39	inches
Source: NOAA Atlas 14 Point Precipitation Frequency Estimates - Simla Station		

2. Evaporation Pond Design

Total Bottom Surface Area	310,000	ft ²	7.12	acres
Total Top of Berm Surface Area (Precip Area)	372,049	ft ²	8.54	acres
Total Required Land Area	448,154	ft ²	10.29	acres

Pond Bottom Surface Area per Pond	103,333	ft ²	2.37	acres
Pond Top Surface Area per Pond	124,016	ft ²	2.85	acres

Sludge depth	0.5	ft
Max Operating WL	3	ft
Freeboard	2	ft
Side Slope Ratio	3	
Pond Width to Length Ratio	2	
No. of Ponds	3	
Radius of Corner at Bottom	20	ft
Radius of Corner at Top	35	ft
SA Sub for Corner at Bottom	343	sf
SA Sub for Corner at Top	1052	sf
Width of Pond At Bottom	228	ft
Length of Pond at Bottom	455	ft
Width of Pond At Top	258	ft
Length of Pond at Top	485	ft
Width of Road	20	ft

3. Water Balance - Design Operating Conditions

Month	Days/Month	WW Inflow (gal/day)	WW Inflow (gal)	WW Inflow (ft ³)	Avg. Precip (in)	Avg. Evap (in)	Avg. Precip (ft ³)	Avg. Evap (ft ³)	OUTFLOW Evaporation (ft ³)	INFLOW WW + Precip (ft ³)	Net Inflow (ft ³)
January	31	15,000	465,000	62,161	0.34	1.41	10,541	40,070	40,070	72,703	32,632
February	28	15,000	420,000	56,146	0.36	1.65	11,161	46,749	46,749	67,307	20,559
March	31	15,000	465,000	62,161	0.97	2.59	30,074	73,462	73,462	92,235	18,773
April	30	15,000	450,000	60,156	1.675	4.23	51,932	120,211	120,211	112,088	-8,123
May	31	15,000	465,000	62,161	2.37	5.64	73,480	160,282	160,282	135,641	-24,640
June	30	15,000	450,000	60,156	2.085	6.82	64,644	193,674	193,674	124,800	-68,874
July	31	15,000	465,000	62,161	2.775	7.05	86,036	200,352	200,352	148,198	-52,154
August	31	15,000	465,000	62,161	2.805	6.35	86,966	180,317	180,317	149,128	-31,189
September	30	15,000	450,000	60,156	1.29	4.70	39,995	133,568	133,568	100,152	-33,416
October	31	15,000	465,000	62,161	0.88	3.29	27,284	93,498	93,498	89,445	-4,052
November	30	15,000	450,000	60,156	0.57	1.88	17,672	53,427	53,427	77,829	24,401
December	31	15,000	465,000	62,161	0.385	1.41	11,937	40,070	40,070	74,098	34,028
Total	365	180,000	5,475,000	731,901	16.505	47.00	511,723	1,335,680	1,335,680	1,243,624	-92,056
					30.50 Deficit						

- Notes:
 1. Calculations assume no seepage
 2. Precipitation volume calculating using top of berm surface area
 3. Evaporation volume calculated using average of top and bottom pond surface areas

Month	Year 1	Year 2	Year 3	Year 4	Year 5	Max Pond Stage (ft)	Yr 5 Pond Stage (ft)
July	0	0	0	0	0	0.00	0.00
August	0	0	0	0	0	0.00	0.00
September	0	0	0	0	0	0.00	0.00
October	0	0	0	0	0	0.00	0.00
November	24,401	24,401	24,401	24,401	24,401	0.08	0.08
December	58,429	58,429	58,429	58,429	58,429	0.19	0.19
January	91,062	91,062	91,062	91,062	91,062	0.29	0.29
February	111,620	111,620	111,620	111,620	111,620	0.36	0.36
March	130,393	130,393	130,393	130,393	130,393	0.42	0.42
April	122,270	122,270	122,270	122,270	122,270	0.39	0.39
May	97,630	97,630	97,630	97,630	97,630	0.31	0.31
June	28,756	28,756	28,756	28,756	28,756	0.09	0.09

- Notes:
 1. Values listed = volume in pond at corresponding year and month in ft³
 2. Values calculated by adding Net Inflow for corresponding month to previous month. If net volume < 0, 0 is listed
 3. Max Pond Stage = max volume in pond during corresponding month over five years divided by total pond bottom surface area
 4. Yr 5 Pond Stage = volume in pond at year 5 during corresponding month divided by total pond bottom surface area

4. Water Balance - 25-Year 24-Hour Precipitation Event Conditions

Month	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Max Pond Stage (ft)
July	0	0	81,706	0	0	0	0	0	0	0	0.26
August	0	0	50,517	0	0	0	0	0	0	0	0.16
September	0	0	17,101	0	0	0	0	0	0	0	0.06
October	0	0	13,048	0	0	0	0	0	0	0	0.04
November	24,401	24,401	37,450	24,401	24,401	24,401	24,401	24,401	24,401	24,401	0.12
December	58,429	58,429	71,477	58,429	58,429	58,429	58,429	58,429	58,429	58,429	0.23
January	91,062	91,062	104,110	91,062	91,062	91,062	91,062	91,062	91,062	91,062	0.34
February	111,620	111,620	124,668	111,620	111,620	111,620	111,620	111,620	111,620	111,620	0.40
March	130,393	235,497	143,441	130,393	130,393	130,393	130,393	130,393	130,393	130,393	0.76
April	122,270	227,374	135,318	122,270	122,270	122,270	122,270	122,270	122,270	122,270	0.73
May	97,630	202,734	110,678	97,630	97,630	97,630	97,630	97,630	97,630	97,630	0.65
June	28,756	133,860	41,804	28,756	28,756	28,756	28,756	28,756	28,756	28,756	0.43
Month	Year 11	Year 12	Year 13	Year 14	Year 15	Year 16	Year 17	Year 18	Year 19	Year 20	Max Pond Stage (ft)
July	0	0	0	0	0	0	0	0	0	0	0.00
August	0	0	0	0	0	0	0	0	0	0	0.00
September	0	0	0	0	0	0	0	0	0	0	0.00
October	0	0	0	0	0	0	0	0	0	0	0.00
November	24,401	24,401	24,401	24,401	24,401	24,401	24,401	24,401	24,401	24,401	0.08
December	58,429	58,429	58,429	58,429	58,429	58,429	58,429	58,429	58,429	58,429	0.19
January	91,062	91,062	91,062	91,062	91,062	91,062	91,062	91,062	91,062	91,062	0.29
February	111,620	111,620	111,620	111,620	111,620	111,620	111,620	111,620	111,620	111,620	0.36
March	130,393	130,393	130,393	130,393	130,393	130,393	130,393	130,393	130,393	130,393	0.42
April	122,270	122,270	122,270	122,270	122,270	122,270	122,270	122,270	122,270	122,270	0.39
May	97,630	97,630	97,630	97,630	97,630	97,630	97,630	97,630	97,630	97,630	0.31
June	28,756	28,756	28,756	28,756	28,756	28,756	28,756	28,756	28,756	28,756	0.09

- Notes:
 1. Values listed = volume in pond at corresponding year and month in ft³
 2. Values calculated by adding Net Inflow for corresponding month to previous month. If net volume < 0, 0 is listed
 3. Max Pond Stage = max volume in pond during corresponding month over five years divided by total pond bottom surface area
 4. Yr 5 Pond Stage = volume in pond at year 5 during corresponding month divided by total pond bottom surface area
 5. Yellow month and year indicates month that 25-year 24-hour precipitation event is added



NOAA Atlas 14, Volume 8, Version 2 SIMLA
 Station ID: 05-7664
 Location name: Simla, Colorado, USA*
 Latitude: 39.1397°, Longitude: -104.0878°
 Elevation:
 Elevation (station metadata): 5999 ft**
 * source: ESRI Maps
 ** source: USGS



POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Deborah Martin, Sandra Pavlovic, Ishani Roy, Michael St. Laurent, Carl Trypaluk, Dale Unruh, Michael Yekta, Geoffrey Bonnin

NOAA, National Weather Service, Silver Spring, Maryland

[PF_tabular](#) | [PF_graphical](#) | [Maps & aerials](#)

PF tabular

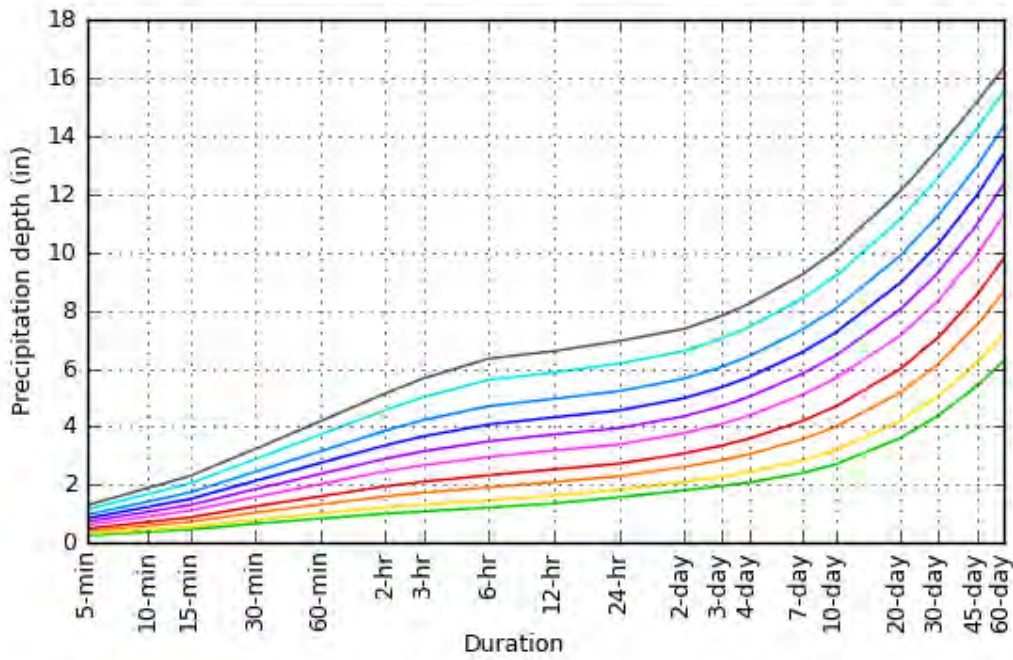
PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches) ¹										
Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.259 (0.211-0.319)	0.312 (0.254-0.384)	0.407 (0.330-0.502)	0.493 (0.398-0.611)	0.622 (0.490-0.804)	0.731 (0.559-0.950)	0.846 (0.625-1.12)	0.971 (0.688-1.31)	1.15 (0.781-1.58)	1.29 (0.852-1.79)
10-min	0.379 (0.309-0.466)	0.457 (0.372-0.563)	0.596 (0.483-0.736)	0.722 (0.582-0.894)	0.911 (0.717-1.18)	1.07 (0.819-1.39)	1.24 (0.916-1.64)	1.42 (1.01-1.92)	1.68 (1.14-2.32)	1.89 (1.25-2.62)
15-min	0.462 (0.376-0.569)	0.557 (0.453-0.686)	0.727 (0.589-0.897)	0.880 (0.710-1.09)	1.11 (0.874-1.44)	1.31 (0.999-1.70)	1.51 (1.12-2.00)	1.74 (1.23-2.34)	2.05 (1.40-2.83)	2.31 (1.52-3.19)
30-min	0.667 (0.544-0.822)	0.803 (0.653-0.989)	1.04 (0.845-1.29)	1.26 (1.01-1.56)	1.58 (1.24-2.04)	1.85 (1.42-2.40)	2.14 (1.58-2.83)	2.44 (1.73-3.30)	2.88 (1.96-3.97)	3.23 (2.13-4.47)
60-min	0.839 (0.683-1.03)	1.01 (0.824-1.25)	1.32 (1.07-1.63)	1.60 (1.29-1.99)	2.02 (1.59-2.61)	2.37 (1.82-3.09)	2.75 (2.03-3.64)	3.15 (2.23-4.26)	3.73 (2.53-5.14)	4.19 (2.76-5.80)
2-hr	1.01 (0.827-1.24)	1.22 (1.00-1.50)	1.60 (1.31-1.97)	1.95 (1.58-2.40)	2.47 (1.95-3.16)	2.90 (2.23-3.74)	3.36 (2.50-4.42)	3.86 (2.75-5.18)	4.57 (3.13-6.26)	5.14 (3.41-7.08)
3-hr	1.08 (0.890-1.32)	1.32 (1.08-1.60)	1.73 (1.41-2.11)	2.11 (1.71-2.58)	2.68 (2.12-3.42)	3.15 (2.44-4.06)	3.67 (2.74-4.81)	4.23 (3.02-5.66)	5.02 (3.45-6.85)	5.66 (3.77-7.76)
6-hr	1.22 (1.00-1.47)	1.46 (1.21-1.77)	1.91 (1.57-2.32)	2.33 (1.90-2.84)	2.96 (2.37-3.77)	3.50 (2.72-4.48)	4.08 (3.06-5.32)	4.71 (3.39-6.26)	5.61 (3.88-7.61)	6.34 (4.25-8.63)
12-hr	1.36 (1.13-1.64)	1.63 (1.35-1.96)	2.10 (1.73-2.53)	2.53 (2.08-3.06)	3.18 (2.55-4.02)	3.73 (2.91-4.74)	4.32 (3.26-5.59)	4.96 (3.59-6.54)	5.86 (4.08-7.90)	6.60 (4.46-8.93)
24-hr	1.57 (1.31-1.88)	1.83 (1.52-2.19)	2.30 (1.90-2.75)	2.73 (2.25-3.28)	3.39 (2.74-4.25)	3.95 (3.10-4.99)	4.56 (3.46-5.86)	5.22 (3.81-6.85)	6.17 (4.33-8.26)	6.94 (4.72-9.33)
2-day	1.81 (1.51-2.15)	2.10 (1.76-2.49)	2.61 (2.18-3.11)	3.08 (2.55-3.68)	3.78 (3.06-4.68)	4.36 (3.44-5.45)	4.98 (3.80-6.34)	5.65 (4.14-7.34)	6.60 (4.65-8.76)	7.36 (5.04-9.83)
3-day	1.96 (1.65-2.32)	2.28 (1.92-2.70)	2.85 (2.38-3.38)	3.35 (2.79-3.99)	4.10 (3.32-5.05)	4.71 (3.73-5.86)	5.36 (4.10-6.79)	6.06 (4.45-7.84)	7.03 (4.98-9.29)	7.82 (5.37-10.4)
4-day	2.08 (1.75-2.46)	2.44 (2.05-2.88)	3.05 (2.56-3.61)	3.59 (2.99-4.26)	4.38 (3.55-5.38)	5.03 (3.98-6.22)	5.71 (4.37-7.20)	6.43 (4.73-8.28)	7.43 (5.27-9.78)	8.23 (5.67-10.9)
7-day	2.40 (2.03-2.81)	2.83 (2.39-3.32)	3.56 (3.00-4.19)	4.19 (3.51-4.94)	5.09 (4.14-6.19)	5.81 (4.61-7.13)	6.55 (5.03-8.20)	7.33 (5.41-9.36)	8.39 (5.97-11.0)	9.22 (6.40-12.2)
10-day	2.70 (2.28-3.15)	3.18 (2.69-3.72)	3.99 (3.37-4.68)	4.68 (3.93-5.51)	5.66 (4.61-6.85)	6.44 (5.12-7.86)	7.23 (5.57-9.00)	8.05 (5.96-10.2)	9.17 (6.55-11.9)	10.0 (6.98-13.2)
20-day	3.61 (3.07-4.18)	4.19 (3.57-4.87)	5.17 (4.38-6.01)	5.99 (5.05-6.99)	7.14 (5.83-8.55)	8.04 (6.42-9.73)	8.95 (6.93-11.0)	9.88 (7.36-12.5)	11.1 (8.00-14.4)	12.1 (8.48-15.8)
30-day	4.39 (3.75-5.07)	5.06 (4.32-5.85)	6.17 (5.24-7.14)	7.08 (5.99-8.23)	8.34 (6.83-9.93)	9.31 (7.46-11.2)	10.3 (7.99-12.6)	11.3 (8.42-14.1)	12.6 (9.06-16.1)	13.6 (9.54-17.6)
45-day	5.39 (4.62-6.21)	6.19 (5.30-7.13)	7.48 (6.37-8.63)	8.51 (7.22-9.86)	9.90 (8.11-11.7)	10.9 (8.78-13.1)	11.9 (9.29-14.6)	12.9 (9.69-16.1)	14.2 (10.3-18.1)	15.2 (10.7-19.6)
60-day	6.26 (5.37-7.18)	7.18 (6.15-8.24)	8.63 (7.37-9.93)	9.77 (8.30-11.3)	11.3 (9.22-13.2)	12.3 (9.91-14.7)	13.4 (10.4-16.2)	14.3 (10.7-17.7)	15.5 (11.2-19.7)	16.3 (11.6-21.1)

¹ Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS). Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values. Please refer to NOAA Atlas 14 document for more information.

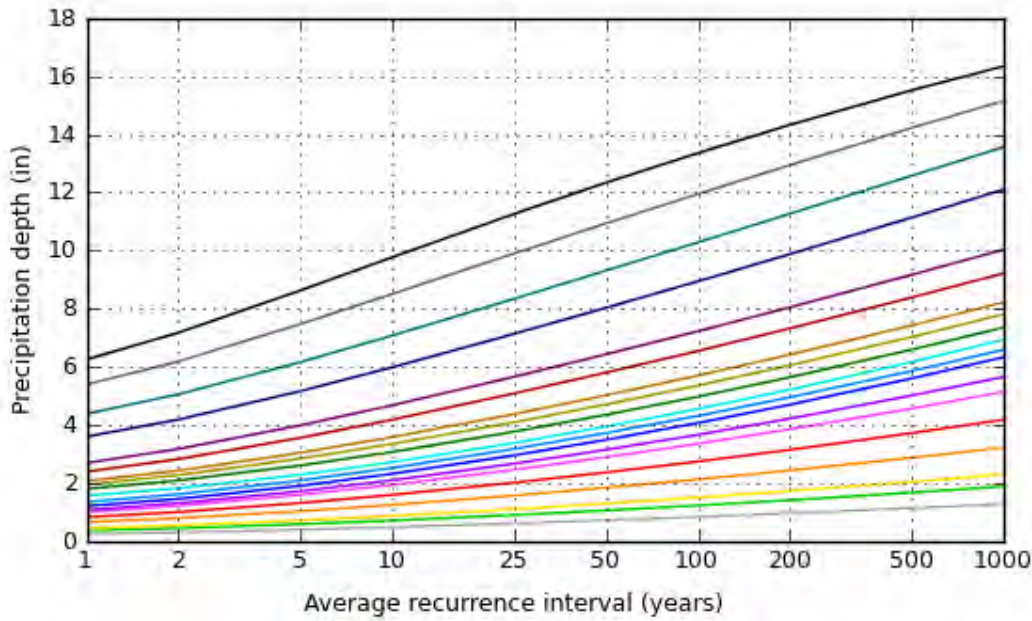
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PF graphical

PDS-based depth-duration-frequency (DDF) curves
 Latitude: 39.1397°, Longitude: -104.0878°



Average recurrence interval (years)	
1	Green
2	Yellow
5	Orange
10	Red
25	Magenta
50	Purple
100	Blue
200	Cyan
500	Dark Blue
1000	Black

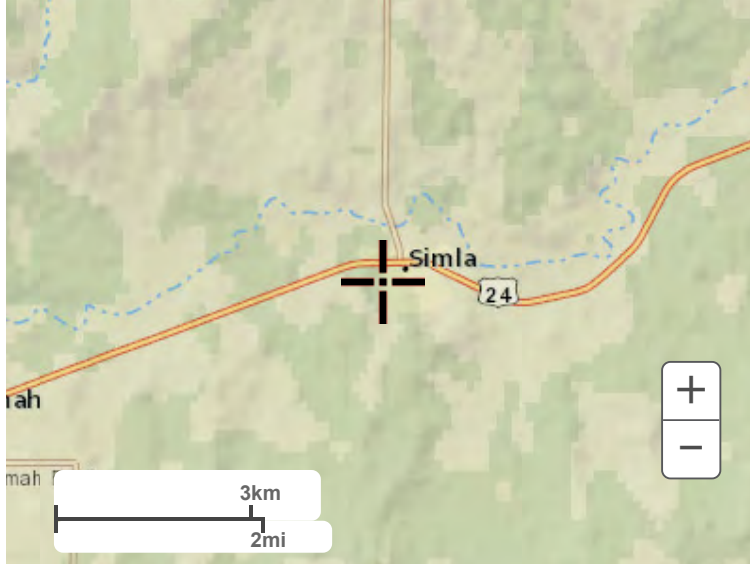


Duration	
5-min	Green
10-min	Yellow
15-min	Orange
30-min	Red
60-min	Magenta
2-hr	Purple
3-hr	Blue
6-hr	Cyan
12-hr	Dark Blue
24-hr	Black
2-day	Light Green
3-day	Light Yellow
4-day	Light Orange
7-day	Light Red
10-day	Light Magenta
20-day	Light Blue
30-day	Light Cyan
45-day	Light Dark Blue
60-day	Light Black

[Back to Top](#)

Maps & aerials

Small scale terrain



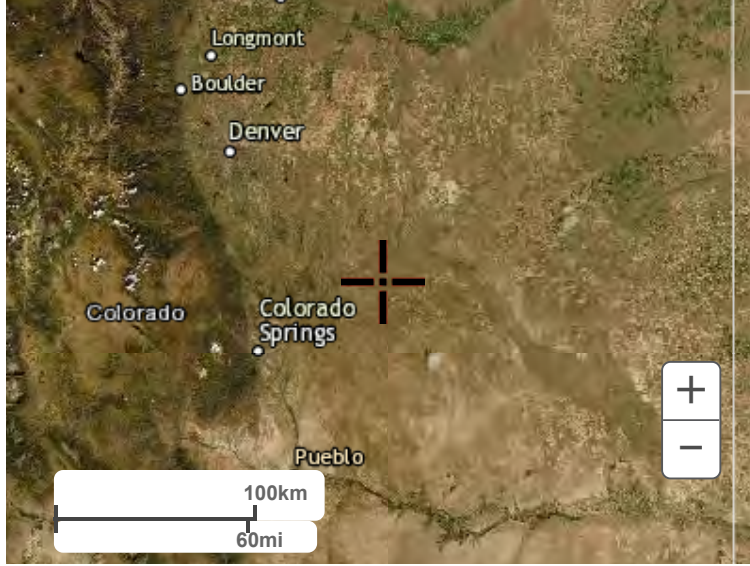
Large scale terrain



Large scale map



Large scale aerial



[Back to Top](#)

[US Department of Commerce](#)
[National Oceanic and Atmospheric Administration](#)
[National Weather Service](#)
[National Water Center](#)
1325 East West Highway
Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

[Disclaimer](#)

**APPENDIX E
DETAILED COST ESTIMATES**



Table 1 – Construction Costs for Alternative IV –

CONSTRUCTION ITEMS					
ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	SUBTOTAL
1	Clearing and Grubbing	1	LS	\$ 20,000	\$ 20,000
2	Remove and Dispose of Biosolids from Lagoon	1	LS	\$ 100,000	\$ 100,000
3	Remove and Dispose of all Piping, Structures, Valves, Etc.	1	LS	\$ 20,000	\$ 20,000
4	Fill Material for Existing Plant Decommissioning	5,556	CY	\$ 2.50	\$ 13,889
5	Pond Excavation	96,500	CY	\$ 3.00	\$ 289,500
6	Synthetic Liner and Vents	372,049	SF	\$ 0.90	\$ 334,844
7	4" Force Main	3,802	LF	\$ 50	\$ 190,100
8	8" Gravity Sewer Main	406	LF	\$ 100	\$ 40,600
9	4' Diameter Sewer Manhole Structure	2	EA	\$ 5,500	\$ 11,000
10	Influent Flow Structure	1	LS	\$ 35,000	\$ 35,000
11	Lift Station Construction	1	LS	\$ 150,000	\$ 150,000
12	Fence (Three-Strand Barbed Wire)	2,680	LF	\$ 7.50	\$ 20,100
13	Miscellaneous Site Work	1	LS	\$ 5,000	\$ 5,000
					\$ -
Subtotal Construction Items					\$ 1,230,033
Instrumentation and Controls					\$ 15,000
Electrical					\$ 45,000
Seeding/Erosion Control/Site Restoration					\$ 30,751
Mobilization					\$ 61,502
Subtotal Construction Cost					\$ 1,382,286
Contractor OH&P and General Conditions					\$ 138,229
Total Construction Cost					\$ 1,520,514

Complete Retention/Evaporative Pond System

Table 2 – Non-Construction Costs for Alternative IV – Complete Retention/Evaporative Pond System

NON-CONSTRUCTION ITEMS	COST
Contingency (15%)	\$ 228,077
Design, Engineering, & CDPHE Review Fees	\$ 162,209
Construction Management	\$ 125,000
208 Permitting	\$ 35,000
Legal and Bonding Services	\$ 12,700
Environmental	\$ -
Total Non-Construction Project Cost	\$ 562,986
Total Project Cost	\$ 2,083,500



Table 3 – Operations and Maintenance Costs for Alternative IV – Complete Retention/Evaporative Pond System

OPERATIONS/MAINTENANCE ITEMS	EXISTING O&M COST	ADDITIONAL O&M COST	PROPOSED O&M COST	20-YEAR PRESENT VALUE
Equipment Repairs and Maintenance	\$ 350	\$ 1,500	\$ 1,850	\$ 30,250
Salary, Taxes & Insurance	\$ 7,670	\$ -	\$ 7,670	\$ 125,415
Office Expenses & Supplies	\$ 200	\$ -	\$ 200	\$ 3,270
Utilities	\$ -	\$ 2,284	\$ 2,284	\$ 37,349
Training	\$ 200	\$ -	\$ 200	\$ 3,270
Legal Services	\$ 200	\$ -	\$ 200	\$ 3,270
Existing Debt Service	\$ 4,100	\$ -	\$ 4,100	\$ 67,041
Total Change In Annual O&M Costs	\$ 12,720	\$ 3,784	\$ 16,504	\$ 269,867

Table 4 – Salvage Value for Alternative IV – Complete Retention/Evaporative Pond System

Salvageable Item	Capital Cost	Useful Life	Straight Line Depreciation per Year	20-Year Salvage Value	Single Payment Present Worth of 20-Year Salvage Value
4" Force Main	\$ 190,100	70	\$ 2,716	\$ 135,786	\$ 135,786
Influent Flow Structure	\$ 35,000	30	\$ 1,167	\$ 11,667	\$ 11,667
Gravity Sewer Main	\$ 40,600	70	\$ 580	\$ 29,000	\$ 29,000
Sewer Manholes	\$ 11,000	70	\$ 157	\$ 7,857	\$ 7,857
Lift Station	\$ 150,000	30	\$ 5,000	\$ 50,000	\$ 50,000
Fence (Three-Strand Barbed Wire)	\$ 20,100	60	\$ 335	\$ 13,400	\$ 13,400
Total Single Payment Present Worth of 20-Year Salvage Value					\$ 247,710
Notes:					
1. Capital cost for some items are not included in salvage value calculations as these items are not salvagable after any period of time.					
2. Present value based on real federal discount rate from "Appendix C of OMB Circular A-94" of 0.5%.					



Table 5 – Construction Costs for Alternative III – Activated Sludge Treatment Plant

CONSTRUCTION ITEMS					
Item	Description	Quantity	Unit	Unit Price	Subtotal
1	Clearing and Grubbing	1	LS	\$ 20,000	\$ 20,000
2	Remove and Dispose of Biosolids from Existing Cells	1	LS	\$ 100,000	\$ 100,000
3	Remove and Dispose of all Piping, Structures, Valves, Etc.	1	LS	\$ 20,000	\$ 20,000
4	Fill Material for Existing Plant Decommissioning	5,556	CY	\$ 2.50	\$ 13,889
5	Wastewater Treatment Plant w/ BNR	1	LS	\$ 306,250	\$ 306,250
6	Yard Piping and Appurtenances	1	LS	\$ 37,500	\$ 37,500
7	Grading	8,000	SF	\$ 3	\$ 24,000
8	Lift Station Construction	1	LS	\$ 150,000	\$ 150,000
9	Force Main	900	LF	\$ 50	\$ 45,000
10	SCADA System	1	LS	\$ 45,000	\$ 45,000
11	Building	2,000	SF	\$ 100	\$ 200,000
12	WWTP Slab and Foundation	300	CY	\$ 350	\$ 105,000
13	Air Conditioning (cooling for VFDs)	1	EA	\$ 5,250	\$ 5,250
14	Unit Heaters	4	EA	\$ 375	\$ 1,500
15	Ventilation System (exhaust fans, louvers)	1	LS	\$ 5,250	\$ 5,250
16	Effluent Pumps (10 HP)	2	EA	\$ 18,000	\$ 36,000
17	8-ft Perimeter Fence	1,850	LF	\$ 53	\$ 97,125
18	Standby Diesel Generator	1	LS	\$ 34,500	\$ 34,500
Subtotal Construction Items					\$ 1,246,264
Seeding/Erosion Control/Site Restoration					\$ 31,157
Instrumentation and Controls					\$ 100,000
Electrical					\$ 75,000
Mobilization (5% Construction Items)					\$ 62,313
Subtotal Construction Cost					\$ 1,514,734
Contractor OH&P and General Conditions					\$ 151,473
Total Construction Cost					\$ 1,666,207

Table 6 – Non-Construction Costs for Alternative III – Activated Sludge Treatment Plant

Non-Construction Item	Cost
Contingency (15%)	\$ 249,931
Design, Engineering, & CDPHE Review Fees	\$ 199,945
Construction Management	\$ 120,000
208 Permitting	\$ 35,000
Legal and Bonding Services	\$ 12,700
Environmental	\$ -
Total Non-Construction Project Cost	\$ 617,576
Total Project Cost	\$ 2,283,783

Table 7 – Operations and Maintenance Costs for Alternative III – Activated Sludge Treatment Plant

OPERATIONS/MAINTENANCE ITEMS	EXISTING O&M COST	ADDITIONAL O&M COST	PROPOSED O&M COST	20-YEAR PRESENT VALUE
Equipment Repairs and Maintenance	\$ 350	\$ 5,000	\$ 5,350	\$ 87,480
Salary, Taxes & Insurance	\$ 7,670	\$ 7,900	\$ 15,570	\$ 254,592
Office Expenses & Supplies	\$ 200	\$ -	\$ 200	\$ 3,270
Utilities	\$ -	\$ 6,853	\$ 6,853	\$ 112,048
Training	\$ 200	\$ 1,500	\$ 1,700	\$ 27,797
Legal Services	\$ 200	\$ -	\$ 200	\$ 3,270
Existing Debt Service	\$ 4,100	\$ -	\$ 4,100	\$ 67,041
Total Change In Annual O&M Costs	\$ 12,720	\$ 21,253	\$ 33,973	\$ 555,499



Table 8 – Salvage Value for Alternative III – Activated Sludge Treatment Plant

Salvageable Item	Capital Cost	Useful Life	Straight Line Depreciation per Year	20-Year Salvage Value	Single Payment Present Worth of 20-Year Salvage Value
Package Wastewater Treatment Plant w/ BNR System	\$ 306,250	40	\$ 7,656	\$ 153,125	\$ 153,125
Yard Piping and Appurtenances	\$ 37,500	60	\$ 625	\$ 25,000	\$ 25,000
Lift Station	\$ 150,000	30	\$ 5,000	\$ 50,000	\$ 50,000
SCADA System	\$ 45,000	30	\$ 1,500	\$ 15,000	\$ 15,000
Building	\$ 200,000	60	\$ 3,333	\$ 133,333	\$ 133,333
Air Conditioning (cooling for VFDs)	\$ 5,250	30	\$ 175	\$ 1,750	\$ 1,750
Unit Heaters	\$ 1,500	40	\$ 38	\$ 750	\$ 750
Ventilation System (exhaust fans, louvers)	\$ 5,250	40	\$ 131	\$ 2,625	\$ 2,625
8-ft Perimeter Fence	\$ 97,125	60	\$ 1,619	\$ 64,750	\$ 64,750
Standby Diesel Generator	\$ 34,500	30	\$ 1,150	\$ 11,500	\$ 11,500
Total Single Payment Present Worth of 20-Year Salvage Value					\$ 457,833
Notes:					
1. Capital cost for some items are not included in salvage value calculations as these items are not salvagable after any period of time.					
2. Present value based on real federal discount rate from "Appendix C of OMB Circular A-94" of 0.5%.					

**APPENDIX F
PROPERTY OWNERSHIP DOCUMENTATION**

220130151
PGS 2

8/26/2020 10:38 AM
\$18.00 DF \$12.00

Electronically Recorded Official Records El Paso County CO
Chuck Broerman, Clerk and Recorder
TD1000 Y



State Documentary Fee
Date: August 26, 2020
\$12.00

General Warranty Deed
(Pursuant to C.R.S. 38-30-113(1)(a))

Grantor(s), **MICHAEL A. KUCERIK**, whose street address is **0 EAST RAMAH ROAD, RAMAH, CO 80832**, City or Town of **RAMAH**, County of **El Paso** and State of **Colorado**, for the consideration of **(\$120,000.00) ***One Hundred Twenty Thousand and 00/100***** dollars, in hand paid, hereby sell(s) and convey(s) to **TOWN OF RAMAH**, whose street address is **P.O. BOX 129, RAMAH, CO 80832**, City or Town of **RAMAH**, County of **El Paso** and State of **Colorado**, the following real property in the County of **El Paso** and State of **Colorado**, to wit:

THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 6 IN TOWNSHIP 11 SOUTH, RANGE 60 WEST OF THE SIXTH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO

AND TOGETHER WITH ANY MINERALS AND MINERAL RIGHTS (IF ANY) OWNED BY THE SELLERS AND APPURTENANT TO THE PROPERTY.

also known by street and number as: **0 EAST RAMAH ROAD, RAMAH, CO 80832**

with all its appurtenances and warrant(s) the title to the same, subject to Statutory Exceptions.

Signed this day of 7-24-2020

(SEE ATTACHED "SIGNATURE PAGE")

When recorded return to: **TOWN OF RAMAH**
P.O. BOX 129, RAMAH, CO 80832



E-RECORDED



State Documentary Fee
Date: August 26, 2020
\$12.00

General Warranty Deed
(Pursuant to C.R.S. 38-30-113(1)(a))

Grantor(s), **MICHAEL A. KUCERIK**, whose street address is **0 EAST RAMAH ROAD, RAMAH, CO 80832**, City or Town of **RAMAH**, County of **El Paso** and State of **Colorado**, for the consideration of **(\$120,000.00) ***One Hundred Twenty Thousand and 00/100***** dollars, in hand paid, hereby sell(s) and convey(s) to **TOWN OF RAMAH**, whose street address is **P.O. BOX 129, RAMAH, CO 80832**, City or Town of **RAMAH**, County of **El Paso** and State of **Colorado**, the following real property in the County of **El Paso** and State of **Colorado**, to wit:

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AND TOGETHER WITH ANY MINERALS AND MINERAL RIGHTS (IF ANY) OWNED BY THE SELLERS AND APPURTENANT TO THE PROPERTY.

also known by street and number as: **0 EAST RAMAH ROAD, RAMAH, CO 80832**

with all its appurtenances and warrant(s) the title to the same, subject to Statutory Exceptions.

Signed this day of 7-24-2020.

(SEE ATTACHED "SIGNATURE PAGE")

When recorded return to: **TOWN OF RAMAH**
P.O. BOX 129, RAMAH, CO 80832



Warranty Deed with Statutory Exceptions

SIGNATURE PAGE

Michael A. Kucirik
MICHAEL A. KUCERIK



State of Kansas)
)ss.
County of Trego)

The foregoing instrument was acknowledged before me on this day of 7-24-2020 by MICHAEL A. KUCERIK

Witness my hand and official seal

My Commission expires: 6-4-2024 Lori Mattke
Notary Public

(TD-1000)
Confidential Document

This form provides essential market information to the county assessor to ensure accurate, fair and uniform assessments for all property. This document is not recorded, is kept confidential, and is not available for public inspection.

This declaration must be completed and signed by either the grantor (seller) or grantee (buyer). Questions 1, 2, 3, and 4 may be completed (prefilled) by a third party, such as a title company or closing agent, familiar with details of the transaction. The signatory should confirm accuracy before signing.

This form is required when conveyance documents are presented for recording. If this form is not completed and submitted, the county assessor may send notice. If the completed and signed form is not returned to the assessor within 30 days of notice, the assessor may impose a penalty of \$25.00 or 0.025% (0.00025) of the sale price, whichever is greater.

Additional information as to the purpose, requirements, and level of confidentiality regarding this form are outlined in Colorado Revised Statutes, sections 39-14-102, 39-5-121.5, and 39-13-102.

1. Address and/or legal description of the real property sold: Please do not use P.O. Box numbers

THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 6 IN TOWNSHIP 11 SOUTH, RANGE 60 WEST OF THE SIXTH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO

2. Type of Property purchased: Single Family Residential Townhome Condominium Multi-Unit Res Commercial
 Industrial Agricultural Mixed Use Vacant Land Other _____

3. Date of Closing: **July 29, 2020**

Date of Contract if different than date of closing: **April 28, 2020**

4. Total sale price: Including all real and personal property. **\$120,000.00**
Contracted price (if different from final sale price) **\$120,000.00**

5. List any personal property included in the transaction that materially impacts the total sale price. Personal property may include, but is not limited to: machinery or equipment, vehicles, exceptional appliances, electronic devices, furniture, or anything that would not typically transfer with the real property (attach additional pages if necessary).

Description	Approximate Value
_____	\$ _____
_____	\$ _____
_____	\$ _____
Personal Property Total:	\$ _____

If no personal property is listed, the entire purchase price will be assumed to be for the real property.

6. Did the total sales price include a trade or exchange of additional real or personal property? Yes No

If yes, give the approximate value of the goods or services as of the date of closing. \$ _____

If yes, does this transaction involve a trade under IRS Code Section 1031? Yes No

7. Was 100% interest in the real property purchased? Mark "no" if only a partial interest is being purchased.

Yes No If no, interest purchased: _____ %

8. Is this a transaction between related parties or acquaintances? This includes persons connected by blood or marriage, or business affiliates, or those acquainted prior to the transaction. Yes No

9. Please mark type of sale: Builder (new construction) Public (MLS or Broker Representation)
 Private (For Sale By Owner) Other (describe) _____

10. Check any of the following that apply to the condition of the improvements at the time of purchase:

New Excellent Good Average Fair Poor Salvage

N/A



If the property is financed, please complete the following:

11. Type of financing: (Check all that apply)

- None (all cash or cash equivalent)
- New/Mortgage Lender (government-backed or conventional bank loan)
- New/Private Third Party (nonconventional lender, e.g., relative, friend, or acquaintance)
- Seller (buyer obtained a mortgage directly from the seller)
- Assumed (buyer assumed an existing mortgage)
- Combination or Other: Please explain _____

12. Total amount financed: _____

13. Terms:

- Variable Starting interest rate % _____
- Fixed Interest rate % _____
- Length of time **years** _____
- Balloon Payment Yes No If yes, amount **\$0.00** Due Date _____

14. Mark any that apply:

- Seller assisted down payment
- Seller concessions
- Special terms of financing

If marked, please specify: _____

15. Was an independent appraisal obtained in conjunction with this transaction? Yes No

For properties other than residential (Residential is defined as: single family detached, townhomes, apartments, and condominiums) please complete questions 16-18 if applicable. Otherwise, skip to #19 to complete.

16. Did the purchase price include a franchise or license fee? Yes No

If yes, franchise or license fee value? _____

17. Did the purchase price involve an installment land contract? Yes No

If yes, date of contract: _____

18. If this was a vacant land sale, was an on-site inspection of the property conducted by the buyer prior to the closing? Yes No

Remarks: Please include any additional information concerning the sale you may feel is important.

19. Signed on this day of _____

August 26, 2020

Have at least one of the parties to the transaction sign the document, and include an address and a daytime phone number.

Signature of Grantee(Buyer) or Grantor(Seller)

(SEE ATTACHED "SIGNATURE PAGE")

20. All future correspondence (tax bills, property valuations, etc.) regarding this property should be mailed to:

TOWN OF RAMAH

P.O. BOX 129, RAMAH, CO 80832

Phone: (719) 439-3617

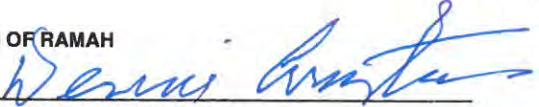
Email: townoframah@gmail.com

Contact information is kept confidential, for County Assessor and Treasurer use only, to contact buyer with questions regarding this form, property valuation, or property tax information.

Real Property Transfer Declaration 2019

SIGNATURE PAGE

TOWN OF RAMAH

By: 

DENNIS CARPENTER, MAYOR

220130152
PGS 2

8/26/2020 10:38 AM
\$18.00 DF \$0.00

Electronically Recorded Official Records El Paso County CO
Chuck Broerman, Clerk and Recorder
TD1000 N

DF

Quit Claim Deed
(Pursuant to 38-30-116 C.R.S.)

THIS DEED, made on **August 26th, 2020** by **MICHAEL A. KUCERIK** Grantor(s) of the County of **Trego** and State of **Kansas** for the consideration of ***** Ten Dollars and Other Good and Valuable Consideration ***** dollars in hand paid, hereby sells and quitclaims to **TOWN OF RAMAH** Grantee(s), as Entity, whose street address is **P.O. BOX 129, RAMAH, CO 80832** County of **El Paso**, State of **Colorado**, the following legally described water rights:

ALL CURRENT AND FUTURE WATER RIGHTS (IF ANY) OWNED BY SELLER AND APPURTENANT TO THE PROPERTY.

Appurtenant to:

THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 6 IN TOWNSHIP 11 SOUTH, RANGE 60 WEST OF THE SIXTH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO

also known by street and number as **0 EAST RAMAH ROAD, RAMAH, CO 80832**

(SEE ATTACHED "SIGNATURE PAGE")



When recorded return to: **TOWN OF RAMAH**
P.O. BOX 129, RAMAH, CO 80832



E-RECORDED

DF#0

Quit Claim Deed
(Pursuant to 38-30-116 C.R.S.)

THIS DEED, made on **August 26th, 2020** by **MICHAEL A. KUCERIK** Grantor(s) of the County of **Trego** and State of **Kansas** for the consideration of ***** Ten Dollars and Other Good and Valuable Consideration ***** dollars in hand paid, hereby sells and quitclaims to **TOWN OF RAMAH** Grantee(s), as Entity, whose street address is **P.O. BOX 129, RAMAH, CO 80832** County of **El Paso**, State of **Colorado**, the following legally described water rights:

ALL CURRENT AND FUTURE WATER RIGHTS (IF ANY) OWNED BY SELLER AND APPURTENANT TO THE PROPERTY.

Appurtenant to:

THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 6 IN TOWNSHIP 11 SOUTH, RANGE 60 WEST OF THE SIXTH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO

also known by street and number as **0 EAST RAMAH ROAD, RAMAH, CO 80832**

(SEE ATTACHED "SIGNATURE PAGE")



When recorded return to: **TOWN OF RAMAH**
P.O. BOX 129, RAMAH, CO 80832



Water Quit Claim Deed

SIGNATURE PAGE

Michael A. Kucirik

MICHAEL A. KUCERIK



State of Kansas)
)ss.
County of Trego)

The foregoing instrument was acknowledged before me on this day of July 24, 2020 by MICHAEL A. KUCERIK

Witness my hand and official seal

My Commission expires: 6-4-2024 Lori Mattke
Notary Public

**APPENDIX G
WATER AUGMENTATION DOCUMENTATION**

From: [Karl Duffield](#)
To: [Karl Duffield](#)
Subject: FW: Ramah - Wastewater Evaporative Pond System
Date: Tuesday, November 16, 2021 3:20:23 PM
Attachments: [image001.png](#)

From: David Taussig <davet@white-jankowski.com>
Sent: Tuesday, October 12, 2021 12:10 PM
To: Nicholas Marcotte <nmarcotte@elementengineering.net>
Subject: RE: Ramah - Wastewater Evaporative Pond System

Nicholas,

I am not aware of a water right implication from replacement of the Town of Ramah's existing evaporative wastewater treatment system that complies with CDPHE requirements.

Good luck, Dave

From: Nicholas Marcotte [<mailto:nmarcotte@elementengineering.net>]
Sent: Tuesday, October 12, 2021 8:26 AM
To: David Taussig
Cc: townoframah@juno.com; Alice Arsenault
Subject: Ramah - Wastewater Evaporative Pond System

Hi Dave,

We are working with the Town of Ramah on a new evaporative wastewater pond system. The town's existing wastewater treatment consists of an evaporative pond that was not designed per CDPHE requirements and is within the 100-year floodplain. Prior to finalizing our design, we wanted to check with you to determine if there were any water rights implications with continuing to use an evaporative system.

The existing system very likely leaks into the surrounding soils, although regulatorily it should not. Our proposed project will remedy this issue by constructing three lined ponds out of the floodplain. Cindy with the Town of Ramah gave me your contact information as their water rights consultant. Do you have any concerns with our approach?

If you have any questions, I would be happy to discuss further.

Thank you,

Nicholas P. Marcotte, P.E.

President



Recipient of Colorado Rural Water's 2018 Associate Member of the Year Award

303.378.2969 | nmarcotte@elementengineering.net | www.elementengineering.net
12687 W. Cedar Drive, Suite 300, Lakewood, CO 80228

**APPENDIX H
2019 FINANCIAL AUDIT
2021 BUDGET**

TOWN OF RAMAH, COLORADO

FINANCIAL STATEMENTS

December 31, 2019



Logan and Associates, LLC
CERTIFIED PUBLIC ACCOUNTANTS

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INDEPENDENT AUDITOR'S REPORT

Honorable Mayor and Members of
the Board of Trustees
Town of Ramah
Ramah, Colorado

Report on the Financial Statements

We have audited the accompanying financial statements of the governmental activities, the business-type activities, each major fund, and the aggregate remaining fund information of the Town of Ramah (the "Town") as of and for the year ended December 31, 2019, and the related notes to the financial statements, which collectively comprise the Town's basic financial statements as listed in the table of contents.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with the accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express opinions on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the Town's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Town's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a reasonable basis for our audit opinions.

Opinions

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of the governmental activities, the business-type activities, each major fund, and the aggregate remaining fund information of the Town of Ramah as of December 31, 2019, and the respective changes in financial position and cash flows, where applicable, for the year then ended, in accordance with accounting principles generally accepted in the United States of America.

Other Matters

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis, and budgetary comparison schedule on pages i – viii and on pages 22 - 23 be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the GASB who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Supplementary Information and Other Information

Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the Town's basic financial statements as a whole. The accompanying supplementary information and other information are presented for purposes of additional analysis and are not a required part of the basic financial statements. Such information is the responsibility of management and was derived from and relate directly to the underlying accounting and other records used to prepare the basic financial statements.

The supplementary information and other information have been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the supplementary information and other information are fairly stated, in all material respects, in relation to the basic financial statements taken as a whole.

Logan and Associates, LLC

Aurora, Colorado
August 12, 2020

TOWN OF RAMAH
El Paso County, Ramah, Colorado
Management's Discussion and Analysis
December 31, 2019

Management of the Town of Ramah offers readers of the basic financial statements this narrative overview and analysis of the financial activities of the Town for the fiscal year ended December 31, 2019. The focus of the information contained herein is on the primary government.

Financial Highlights

- The Town's assets exceeded liabilities at the close of the fiscal year by \$519,715(net position). Of this amount \$85,947 (unrestricted net position) may be used to meet the Town's ongoing obligations.
- The Town's total net position decreased by \$18,842.
- As of the close of the current fiscal year, the Town's governmental funds reported combined ending fund balances of \$19,912, a decrease of \$4,190 from the prior year.
- The Town's business-type activities debt decreased by \$3,900.

Overview of the Financial Statements

This discussion and analysis is intended as an introduction to the Town's basic financial statements. The basic financial statements comprise three components: 1) government-wide financial statements, 2) fund financial statements, and 3) notes to the basic financial statements. In addition to the basic financial statements, also provided is other supplementary information.

Government-wide financial statements

The government-wide financial statements are designed to provide readers with a broad overview of the Town's finances in a manner similar to a private-sector business.

The focus of the Statement of Net Position (the "Unrestricted Net Position") is designed to be similar to a bottom line for the Town and its governmental and business-type activities. This statement reports all of the governmental fund's current financial resources (short-term spendable resources) with capital assets and long term obligations. Over time, increases or decreases in net position may serve as a useful indicator of whether the financial position of the Town is improving or deteriorating.

The Statement of Activities presents information illustrating how the Town's net position changed during the most recent year. All changes in net position are reported as soon as the underlying event giving rise to the change occurs, regardless of the timing of related cash flows. Thus, revenues and expenses are reported in this statement for some items that will only result in cash flows in future fiscal periods (e.g., uncollected taxes).

The governmental activities reflect the Town's basic services, including administrative, parks and recreation, streets, building division, cemetery and public works. Property taxes finance the majority of these services.

The business-type activities reflect private sector type operations, which include operation and maintenance of the Town's water and sewer facilities, where fees for services cover all or most of the cost of operations, including depreciation.

TOWN OF RAMAH
Ramah, Colorado
Management's Discussion and Analysis
December 31, 2019

Fund Financial Statements

A fund is a grouping of related accounts used to maintain control over resources that have been segregated for specific activities or objectives. The Town uses fund accounting to ensure and demonstrate compliance with finance-related legal requirements. All of the funds of the Town can be divided into two categories: governmental funds and proprietary funds.

Governmental funds are used to account for the same functions as governmental activities in the government-wide financial statements. Governmental fund financial statements focus on financial position and change in financial position, not on income determination, and use the flow of current financial resources measurement focus and the modified accrual basis of accounting. Under the modified accrual basis of accounting, revenues are recognized when susceptible to accrual (when they are “measurable and available”). The Town considers all revenues available if they are collected within sixty days following the year end. Expenditures are recorded when the related fund liability is incurred.

The General Fund is the Town’s primary operating fund. It accounts for all financial resources of the general government, except those required to be accounted for in another fund.

The Town maintains two *proprietary funds*. These funds are used to report the same functions presented as business-type activities in the government-wide financial statements. The Town uses enterprise funds to account for its water and sewer operations.

The *notes to the basic financial statements* provide additional information that is essential to a full understanding of the data provided in the government-wide fund financial statements.

Other information, in addition to the basic financial statements and accompanying notes, is presented in the form of certain required supplementary information.

Government-wide Financial Analysis

As noted earlier, net position may serve over time as a useful indicator of a government’s financial position. In the case of the Town of Ramah, assets exceeded liabilities by \$519,715

Of the Town’s net position, 18.1% is unrestricted and may be used to meet the Town’s ongoing financial obligations. This is net position that is not restricted by external requirements nor invested in capital assets.

Of the Town’s \$620,966 in assets, \$495,738(79.8%) reflects investment in capital assets (e.g. land, buildings, infrastructure, machinery and equipment) less any related debt used to acquire those assets that is still outstanding which \$413,738 is reported as net investment in capital assets in the net position. The Town uses these capital assets to provide services to citizens; consequently, these assets are not available for future spending. Although the Town’s investment in its capital assets is reported net of related debt, it should be noted that the resources needed to repay this debt must be provided from other sources, since the capital assets themselves cannot be used to liquidate these liabilities.

TOWN OF CALHAN
Ramah, Colorado
Management's Discussion and Analysis
December 31, 2019

The following table reflects the Town's Net Position:

	Government Activities		Business-type Activities		Total	
	12/31/2018	12/31/2019	12/31/2018	12/31/2019	12/31/2018	12/31/2019
Current and other assets	42,015	37,763	82,083	87,465	124,098	125,228
Capital assets	160,364	155,693	359,163	340,045	519,527	495,738
Total Assets	202,379	193,456	441,246	427,510	643,625	620,966
Current liabilities	9,617	7,205	3,655	5,500	13,272	12,705
Long-term liabilities	0	0	83,500	77,900	83,500	77,900
Total Liabilities	9,617	7,205	87,155	83,400	96,772	90,605
Deferred Inflow of Resources						
Deferred Property Tax Revenue	8,296	10,646			8,296	10,646
Net Position						
Invested in capital assets	160,364	155,693	273,263	258,045	433,627	413,738
Restricted for bond redemption	0	0	8,150	8,150	8,150	8,150
Restricted for TABOR	1,333	1,100	0	0	1,333	1,100
Restricted - Other	12,116	10,780	0	0	12,116	10,780
Unrestricted	10,653	8,032	72,678	77,915	83,331	85,947
Total Net Position	184,466	175,605	354,091	344,110	538,557	605,662

TOWN OF RAMAH
Ramah, Colorado
Management's Discussion and Analysis
December 31, 2019

The following reflects the Town's Changes in Net Position:

	Government Activities		Business-type Activities		Total	
	12/31/2018	12/31/2019	12/31/2018	12/31/2019	12/31/2018	12/31/2019
Revenues						
Program Revenues						
Charges for service	3,459	3,171	49,787	43,410	53,246	46,581
Grants & contributions	1,306	1,478	4,328	0	5,634	1,478
General Revenues						
Property taxes	8,672	10,813			8,672	10,813
Sales Taxes	0	0			0	0
Other taxes	15,883	15,808			15,883	15,808
Investment interest	35	23	785	1,078	820	1,101
Other	5,808	5,135	0	0	5,808	5,135
Total Revenues	35,163	36,428	54,900	44,488	90,063	80,916
Expenses						
General Government	16,022	25,525			16,022	45,289
Judicial	0	0			0	0
Public Safety	0	0			0	0
Public Works	10,713	15,776			10,713	15,776
Culture & Recreation	4,073	3,988			4,073	3,988
Interest on Long-Term Debt	0	0	5,335	4,248	5,335	4,248
Sewer	0	0	19,294	15,548	19,294	15,548
Water	0	0	35,683	34,673	35,683	34,673
Total Expenses	30,808	45,289	60,311	54,469	91,119	99,758
Increase (decrease) in net position	4,355	(8,861)	(5,411)	(9,981)	(1,056)	(18,842)
Net Position - Beginning	180,111	184,466	359,502	354,091	539,613	538,557
Net Position - Ending	184,466	175,605	354,091	344,110	538,557	519,715

Business-type activities decreased the Town's net position by \$9,981 for the year ended December 31, 2019. Key elements of the decrease are as follows:

* Water and Sewer revenue was quite a bit lower than last year.

TOWN OF RAMAH
Ramah, Colorado
Management's Discussion and Analysis
December 31, 2019

Intergovernmental revenues are grants and other revenues received from the county, state and federal government. Licenses and permits include amounts collected from the issuance of licenses and permits required by the Town for various purposes. Revenues from fees collected by the Town for a variety of services provided to the public are recorded as miscellaneous revenues, which include cemetery revenues and park and recreation fees. Interest income reflects revenues from property taxes and investment activity.

Governmental activities decreased the Town's net position by \$8,861. Key elements are as follows:

- * Increased expenses for utilities and wages
- * Decreased tax revenue, while small impacts the budget

Financial Analysis of the Government's Funds

As noted earlier, the Town uses fund accounting to ensure and demonstrate compliance with finance-related legal requirements.

Governmental funds

The focus of the Town's governmental funds is to provide information on current year revenue, expenditures and balances of spendable resources. Such information is useful in assessing the Town's financial requirements. In particular, unreserved fund balance may serve as a useful measure of a government's net resources available for spending at the end of the fiscal year.

As of the year ended December 31, 2019, the Town's governmental funds reported combined ending fund balances of \$19,912 a decrease of \$4,190. This is due to flat revenues while expenses increased.

TOWN OF RAMAH
Ramah, Colorado
Management's Discussion and Analysis
December 31, 2019

Proprietary Funds The Town's proprietary funds provide the same type of information found in the government-wide financial statements, but in more detail.

Total net position of the Water Fund amounted to \$179,701 and those for the Sewer Fund amounted to \$164,409. Total decrease in net position for all enterprise funds was \$9,981

Significant factors for Water and Sewer Funds:

* Revenues decreased slightly while expenses were flat or increased.

General Fund Budgetary Highlights

There were no budget amendments in 2019.

TOWN OF RAMAH
Ramah, Colorado
Management's Discussion and Analysis
December 31, 2019

Capital Asset and Debt Administration

Capital assets

The Town's capital assets for its governmental and business type activities as of December 31, 2019 amount to \$3,523,161 (net of accumulated depreciation). This investment in capital assets includes land, buildings and improvements, equipment and other, park facilities, infrastructure (including streets, alleys, signs and bridges), water system infrastructure, and wastewater infrastructure. The Town's capital assets by activity at December 31, 2019 were as follows:

	Prior Year			As of December 31, 2019		
	Government	Business-type	Total	Government	Business-type	Total
	Activities	Activities		Activities	Activities	
Land	18,707		18,707	18,707		18,707
Infrastructure	164,098		164,098	164,098		164,098
Infrastructure		741,401	741,401		741,401	741,401
Buildings	1,500		1,500	1,500		1,500
Equipment and vehicles	1,574	11,673	13,247	1,574	11,673	13,247
Parks	8,292		8,292	8,292		8,292
Less accumulated depreciation	(33,807)	(393,911)	(427,718)	(38,478)	(413,029)	(451,507)
Total	160,364	359,163	519,527	155,693	340,045	495,738

Debt

At December 31, 2019, the Town had a total indebtedness of \$82,000 which is outlined below:

	Prior Year			At December 31, 2019		
	Government	Business-type	Total	Government	Business-type	Total
	Activities	Activities		Activities	Activities	
Loans payable	0	85,900	85,900	0	82,000	82,000
Total	0	85,900	85,900	0	82,000	82,000

TOWN OF RAMAH
Ramah, Colorado
Management's Discussion and Analysis
December 31, 2019

Economic Factors and Next Year's Budget

The 2020 budget represents an attempt to maintain both core services and a sufficient fund balance. Increasing reserves is a large priority for the foreseeable future as the current reserves are not sufficient for our needs. The following factors were considered in compiling the 2020 budget:

- * Most revenue line items were budgeted basically the same.
- * Expenditures have been budgeted close to the same for the last 3 years as the town tries to build reserves.
- * Grant funds have been budgeted for grants awarded but not yet expended in the sewer fund.
- * Salaries will be increased minimally.
- * Sewer revenue will be increased due to a rate increase. This is being done in anticipation of a sewer project that will need substantial grant and loan assistance. The rate for sewer service will be increased in 2020 and 2021 to reflect closer to the state average.

It is the hope of the Board of Trustees and the employees of the Town of Ramah that 2020 will keep improving.

While COVID-19 was not part of the 2020 budget discussions, the board understands the uncertainty this situation may have on the 2020 budget - revenues and expenses.

Requests for Information

This financial report is designed to provide a general overview of the Town's finances for all those with an interest in the government's finances. Questions concerning the information provided in this report or requests for additional financial information should be addressed to the Town Treasurer, Town of Ramah, P.O. Box 129, Ramah, CO 80832.

BASIC FINANCIAL STATEMENTS

TOWN OF RAMAH, COLORADO

STATEMENT OF NET POSITION

December 31, 2019

	GOVERNMENTAL ACTIVITIES	BUSINESS TYPE ACTIVITIES	TOTAL
ASSETS			
Cash and Investments	\$ 24,135	\$ 50,736	\$ 74,871
Receivables			
Property Taxes	10,646	-	10,646
Accounts Receivable	2,982	6,788	9,770
Investments - Long-term	-	29,941	29,941
Capital Assets, Not Depreciated	18,707	-	18,707
Capital Assets, Depreciated Net of Accumulated Depreciation	136,986	340,045	477,031
TOTAL ASSETS	193,456	427,510	620,966
LIABILITIES			
Accounts Payable	6,591	-	6,591
Accrued Salaries and Benefits	614	-	614
Customer Deposits	-	1,400	1,400
Noncurrent Liabilities			
Due in One Year	-	4,100	4,100
Due in More Than One Year	-	77,900	77,900
TOTAL LIABILITIES	7,205	83,400	90,605
DEFERRED INFLOW OF RESOURCES			
Deferred Property Tax Revenue	10,646	-	10,646
NET POSITION			
Net Investment in Capital Assets	155,693	258,045	413,738
Restricted for Debt Service	-	8,150	8,150
Restricted for Emergencies	1,100	-	1,100
Restricted for Parks and Recreation	10,780	-	10,780
Unrestricted, Unreserved	8,032	77,915	85,947
TOTAL NET POSITION	\$ 175,605	\$ 344,110	\$ 519,715

The accompanying notes are an integral part of the financial statements.

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TOWN OF RAMAH, COLORADO

STATEMENT OF ACTIVITIES
Year Ended December 31, 2019

FUNCTIONS/PROGRAMS	EXPENSES	CHARGES FOR SERVICES	PROGRAM REVENUES	
			OPERATING GRANTS AND CONTRIBUTIONS	CAPITAL GRANTS AND CONTRIBUTIONS
PRIMARY GOVERNMENT				
Governmental Activities				
General Government	\$ 24,923	\$ 1,926	\$ -	\$ -
Public Works	15,776	1,245	-	-
Health and Welfare	602	-	-	-
Parks and Recreation	3,988	-	1,478	-
Total Governmental Activities	45,289	3,171	1,478	-
Business-Type Activities				
Water	34,673	28,385	-	-
Sewer	15,548	15,025	-	-
Interest on Long-Term Debt	4,248	-	-	-
Total Business-Type Activities	54,469	43,410	-	-
Total Primary Government	\$ 99,758	\$ 46,581	\$ 1,478	\$ -

GENERAL REVENUES

Property Taxes
Franchise Taxes
Other Taxes
Interest
Miscellaneous
Ramah Days

TOTAL GENERAL REVENUES
AND SPECIAL ITEMS

CHANGE IN NET POSITION

NET POSITION, Beginning, As Restated

NET POSITION, Ending

The accompanying notes are an integral part of the financial statements.

NET (EXPENSE) REVENUE AND
CHANGE IN NET POSITION

GOVERNMENTAL ACTIVITIES	BUSINESS-TYPE ACTIVITIES	TOTALS
\$ (22,997)	\$ -	\$ (22,997)
(14,531)	-	(14,531)
(602)	-	(602)
(2,510)	-	(2,510)
<u>(40,640)</u>	<u>-</u>	<u>(40,640)</u>
-	(6,288)	(6,288)
-	(523)	(523)
-	(4,248)	(4,248)
<u>-</u>	<u>(11,059)</u>	<u>(11,059)</u>
(40,640)	(11,059)	(51,699)
10,813	-	10,813
4,307	-	4,307
11,501	-	11,501
23	1,078	1,101
2,244	-	2,244
2,891	-	2,891
<u>31,779</u>	<u>1,078</u>	<u>32,857</u>
(8,861)	(9,981)	(18,842)
<u>184,466</u>	<u>354,091</u>	<u>538,557</u>
<u>\$ 175,605</u>	<u>\$ 344,110</u>	<u>\$ 519,715</u>

TOWN OF RAMAH, COLORADO

BALANCE SHEET
GOVERNMENTAL FUNDS
December 31, 2019

	GENERAL FUND	NONMAJOR GOVERNMENTAL CONSERVATION TRUST FUND	TOTALS
ASSETS			
Cash and Investments	\$ 13,355	\$ 10,780	\$ 24,135
Property Taxes Receivable	10,646	-	10,646
Accounts Receivable	2,982	-	2,982
TOTAL ASSETS	26,983	10,780	37,763
LIABILITIES, DEFERRED INFLOWS AND FUND EQUITY			
LIABILITIES			
Accounts Payable	6,591	-	6,591
Accrued Salaries and Benefits	614	-	614
TOTAL LIABILITIES	7,205	-	7,205
DEFERRED INFLOW OF RESOURCES			
Deferred Property Tax Revenue	10,646	-	10,646
FUND EQUITY			
Fund Balance			
Restricted for Emergencies	1,100	-	1,100
Restricted for Parks and Recreation	-	10,780	10,780
Unassigned	8,032	-	8,032
TOTAL FUND EQUITY	9,132	10,780	19,912
TOTAL LIABILITIES, DEFERRED INFLOWS, AND FUND EQUITY	\$ 26,983	\$ 10,780	\$ 37,763

Amounts reported for governmental activities in the statement of net position are different because:

Total Fund Balances of Governmental Funds	19,912
Capital assets used in governmental activities are not financial resources and therefore, are not reported in the funds.	155,693
Net position of governmental activities	<u>\$ 175,605</u>

The accompanying notes are an integral part of the financial statements.

TOWN OF RAMAH, COLORADO

STATEMENT OF REVENUES, EXPENDITURES
AND CHANGES IN FUND BALANCES - GOVERNMENTAL FUNDS
Year Ended December 31, 2019

	GENERAL FUND	NONMAJOR GOVERNMENTAL CONSERVATION TRUST FUND	TOTALS
REVENUES			
Taxes	\$ 15,120	\$ -	\$ 15,120
Licenses and Permits	3,171	-	3,171
Intergovernmental	11,501	1,478	12,979
Interest	12	11	23
Miscellaneous	5,135	-	5,135
TOTAL REVENUES	<u>34,939</u>	<u>1,489</u>	<u>36,428</u>
EXPENDITURES			
Current			
General Government	24,769	-	24,769
Parks and Recreation	748	2,825	3,573
Health and Welfare	602	-	602
Public Works	11,674	-	11,674
TOTAL EXPENDITURES	<u>37,793</u>	<u>2,825</u>	<u>40,618</u>
NET CHANGE IN FUND BALANCES	(2,854)	(1,336)	(4,190)
FUND BALANCES, Beginning, As Restated	<u>11,986</u>	<u>12,116</u>	<u>24,102</u>
FUND BALANCES, Ending	<u>\$ 9,132</u>	<u>\$ 10,780</u>	<u>\$ 19,912</u>

The accompanying notes are an integral part of the financial statements.

TOWN OF RAMAH, COLORADO

RECONCILIATION OF THE STATEMENT OF REVENUES, EXPENDITURES
AND CHANGES IN FUND BALANCES - GOVERNMENTAL FUNDS
TO THE STATEMENT OF ACTIVITIES
Year Ended December 31, 2019

Amounts Reported for Governmental Activities in the Statement of Activities are Different Because:

Net Changes in Fund Balances - Total Governmental Funds	\$ (4,190)
Governmental funds report capital outlays as expenditures. However, in the statement of activities, the cost of those assets is allocated over their estimated useful lives and reported as depreciation expense. This is the amount of depreciation expense for the year.	<u>(4,671)</u>
Change in Net Position of Governmental Activities	<u>\$ (8,861)</u>

The accompanying notes are an integral part of the financial statements.

TOWN OF RAMAH, COLORADO

STATEMENT OF NET POSITION
 PROPRIETARY FUND TYPE
 December 31, 2019

	WATER FUND	SEWER FUND	TOTALS
ASSETS			
Current Assets			
Cash and Investments	\$ 15,172	\$ 35,564	\$ 50,736
Accounts Receivable, Net	6,227	561	6,788
Total Current Assets	<u>21,399</u>	<u>36,125</u>	<u>57,524</u>
Noncurrent Assets			
Investments - Long-term	9,412	20,529	29,941
Capital Assets, Net of Accumulated Depreciation	<u>191,290</u>	<u>148,755</u>	<u>340,045</u>
Total Noncurrent Assets	<u>200,702</u>	<u>169,284</u>	<u>369,986</u>
TOTAL ASSETS	<u>222,101</u>	<u>205,409</u>	<u>427,510</u>
LIABILITIES			
Current Liabilities			
Customer Deposits	1,400	-	1,400
Bonds Payable - Current Portion	<u>2,050</u>	<u>2,050</u>	<u>4,100</u>
Total Current Liabilities	<u>3,450</u>	<u>2,050</u>	<u>5,500</u>
Noncurrent Liabilities			
Bonds Payable	<u>38,950</u>	<u>38,950</u>	<u>77,900</u>
Total Noncurrent Liabilities	<u>38,950</u>	<u>38,950</u>	<u>77,900</u>
TOTAL LIABILITIES	<u>42,400</u>	<u>41,000</u>	<u>83,400</u>
NET POSITION			
Net Investment in Capital Assets	150,290	107,755	258,045
Restricted for Debt Service	4,075	4,075	8,150
Unreserved	<u>25,336</u>	<u>52,579</u>	<u>77,915</u>
TOTAL NET POSITION	<u>\$ 179,701</u>	<u>\$ 164,409</u>	<u>\$ 344,110</u>

The accompanying notes are an integral part of the financial statements.

TOWN OF RAMAH, COLORADO

STATEMENT OF REVENUES, EXPENSES
AND CHANGES IN NET POSITION
PROPRIETARY FUND TYPES
Year Ended December 31, 2019

	WATER FUND	SEWER FUND	TOTALS
OPERATING REVENUES			
Charges for Services	\$ 27,840	\$ 14,480	\$ 42,320
Connection and Late Fees	545	545	1,090
TOTAL OPERATING REVENUES	28,385	15,025	43,410
OPERATING EXPENSES			
Operations and Maintenance	22,572	5,776	28,348
Administrative and General	1,652	1,103	2,755
Depreciation	10,449	8,669	19,118
TOTAL OPERATING EXPENSES	34,673	15,548	50,221
OPERATING INCOME	(6,288)	(523)	(6,811)
NON-OPERATING REVENUES (EXPENSES)			
Interest Income	453	625	1,078
Interest Expense	(2,124)	(2,124)	(4,248)
TOTAL NON-OPERATING REVENUES (EXPENSES)	(1,671)	(1,499)	(3,170)
NET INCOME	(7,959)	(2,022)	(9,981)
NET POSITION, Beginning, As Restated	187,660	166,431	354,091
NET POSITION, Ending	<u>\$ 179,701</u>	<u>\$ 164,409</u>	<u>\$ 344,110</u>

The accompanying notes are an integral part of the financial statements.

TOWN OF RAMAH, COLORADO
STATEMENT OF CASH FLOWS
PROPRIETARY FUND TYPES
Year Ended December 31, 2019
Increase (Decrease) in Cash and Cash Equivalents

	WATER FUND	SEWER FUND	TOTALS
CASH FLOWS FROM OPERATING ACTIVITIES			
Cash Received from Customers	\$ 28,505	\$ 15,119	\$ 43,624
Cash Paid to Suppliers	(13,724)	(1,339)	(15,063)
Cash Paid to Employees	(10,500)	(5,540)	(16,040)
Net Cash Provided by Operating Activities	<u>4,281</u>	<u>8,240</u>	<u>12,521</u>
CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES			
Bond Payments	(1,950)	(1,950)	(3,900)
Interest Payments	(2,124)	(2,124)	(4,248)
Net Cash (Used) by Capital and Related Financing Activities	<u>(4,074)</u>	<u>(4,074)</u>	<u>(8,148)</u>
CASH FLOWS FROM INVESTING ACTIVITIES			
Interest Received	453	625	1,078
Sale (Purchase) of Investments	(450)	(618)	(1,068)
Net Cash Provided by Investing Activities	<u>3</u>	<u>7</u>	<u>10</u>
Net Increase in Cash and Cash Equivalents	210	4,173	4,383
CASH AND CASH EQUIVALENTS, Beginning	<u>14,962</u>	<u>31,391</u>	<u>46,353</u>
CASH AND CASH EQUIVALENTS, Ending	<u>\$ 15,172</u>	<u>\$ 35,564</u>	<u>\$ 50,736</u>
RECONCILIATION OF OPERATING INCOME (LOSS) TO NET CASH PROVIDED BY OPERATING ACTIVITIES			
Operating Income (Loss)	\$ (6,288)	\$ (523)	\$ (6,811)
Adjustments to Reconcile Operating Income (Loss) to Net Cash Provided by Operating Activities			
Depreciation and Amortization	10,449	8,669	19,118
Changes in Assets and Liabilities			
Accounts Receivable	472	94	566
Customer Deposits	(352)	-	(352)
Total Adjustments	<u>10,569</u>	<u>8,763</u>	<u>19,332</u>
Net Cash Provided by Operating Activities	<u>\$ 4,281</u>	<u>\$ 8,240</u>	<u>\$ 12,521</u>

The accompanying notes are an integral part of the financial statements.

TOWN OF RAMAH, COLORADO

NOTES TO FINANCIAL STATEMENTS

December 31, 2019

NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Nature of Operations

The Town of Ramah (the "Town") is a Colorado statutory town (a municipal corporation), incorporated in 1928 and is governed by a Mayor and six member Board of Trustees elected by the residents. The Town provides public works, parks and recreation, water, sewer, and general administrative services to its residents.

The accounting policies of the Town conform to generally accepted accounting principles as applicable to governmental entities. The Governmental Accounting Standards Board (GASB) is the accepted standard-setting body for establishing governmental accounting and financial reporting principles. A summary of the Town's more significant accounting policies follows.

Reporting Entity

In accordance with governmental accounting standards, the Town has considered the possibility of including additional entities in its financial statements.

The definition of the reporting entity is based primarily on financial accountability. The Town is financially accountable for organizations that make up its legal entity. It is also financially accountable for legally separate organizations if the Town officials appoint a voting majority of the organization's governing body and either it is able to impose its will on that organization or there is a potential for the organization to provide specific financial benefits to, or to impose specific financial burdens on, the Town. The Town may also be financially accountable for organizations that are fiscally dependent upon it. Based on the application of the criteria, the Town does not include additional organizations in its report entity.

Government-Wide and Fund Financial Statements

The government-wide financial statements (i.e., the statement of net position and the statement of activities) report information on all nonfiduciary activities of the Town. For the most part, the effect of interfund activity has been removed from these statements. Exceptions to this general rule are charges for interfund services that are reasonably equivalent to the services provided. Governmental activities, which normally are supported by taxes and intergovernmental revenues, are reported separately from business-type activities, which rely to a significant extent on fees and charges for support.

The statement of net position reports all financial, capital and debt resources of the Town. The difference between assets plus deferred outflows, and liabilities plus deferred inflows of the Town is reported as net position.

TOWN OF RAMAH, COLORADO

NOTES TO FINANCIAL STATEMENTS

December 31, 2019

NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Government-Wide and Fund Financial Statements (Continued)

The statement of activities demonstrates the degree to which the direct expenses and allocated indirect expenses of a given function or segment are offset by program revenues. Direct expenses are those that are clearly identifiable with a specific function or segment. Program revenues include 1) charges to customers or applicants who purchase, use, or directly benefit from goods, services, or privileges provided by a given function or segment and 2) grants and contributions that are restricted to meeting the operational or capital requirements of a particular function or segment. Taxes and other items not properly included among program revenues are reported instead as general revenues.

Separate financial statements are provided for governmental funds and proprietary funds. Major individual governmental and enterprise funds are reported as separate columns in the fund financial statements.

Measurement Focus, Basis of Accounting and Financial Statement Presentation

The government-wide financial statements are reported using the economic resources measurement focus and the accrual basis of accounting, as are the proprietary fund financial statements. Revenues are recorded when earned and expenses are recorded when the liability is incurred, regardless of the timing of related cash flows. Property taxes are recognized as revenues in the year for which they are levied. Grants and similar items are recognized as revenue as soon as all eligibility requirements imposed by the granting agency have been met.

Governmental fund financial statements are reported using the current financial resources measurement focus and the modified accrual basis of accounting. Revenues are recognized as soon as they are both "measurable and available". Revenues are considered to be "available" when they are collected within the current year or soon enough thereafter to pay liabilities of the current year. For this purpose, the Town considers revenues to be available if they are collected within 60 days of the end of the current year, except for expenditure driven grants as defined in the following paragraph.

Taxes, intergovernmental revenue and interest associated with the current fiscal year are considered to be susceptible to accrual and so have been recognized as revenues of the current fiscal year. Grant and similar revenues are recorded as revenues when all eligibility requirements are met, including any time requirements. Expenditure-driven grants are recognized as revenue when the qualifying expenditures have been incurred and all other eligibility requirements have been met. All other revenues are considered to be measurable and available only when cash is received by the Town.

TOWN OF RAMAH, COLORADO

NOTES TO FINANCIAL STATEMENTS

December 31, 2019

NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Measurement Focus, Basis of Accounting and Financial Statement Presentation
(Continued)

Expenditures generally are recorded when a liability is incurred, as under accrual accounting. However, debt service expenditures, as well as expenditures related to compensated absences, are recorded only when payment is due.

Proprietary funds distinguish operating revenues and expenses from nonoperating items. Operating revenues and expenses generally result from providing services and producing and delivering goods in connection with a proprietary fund's principal ongoing operations. Operating expenses for enterprise funds include the cost of sales and services, administrative expenses, and depreciation on capital assets. All revenues and expenses not meeting this definition are reported as nonoperating revenues and expenses or capital contributions.

When both restricted and unrestricted resources are available for use, it is the Town's practice to use restricted resources first, then unrestricted resources as they are needed.

The Town reports the following major governmental fund in the fund financial statements:

General Fund – The General Fund is used to account for the general operations and specific programs of the Town.

The Town reports the following major proprietary funds:

Water Fund – The Water Fund accounts for the financial activities associated with providing water services.

Sewer Fund – The Sewer Fund accounts for the financial activities associated with providing sewer services.

Assets, Liabilities, Fund Balance/Net Assets

Cash and Investments – For the purposes of reporting in the statement of cash flows, cash equivalents include certificates of deposit and investments with original maturities of three months or less. Investments are reported at fair value.

Receivables – Due from other governments and accounts receivable are reported at their gross value, and where appropriate, are reduced by the estimated portion that is expected to be uncollectible.

TOWN OF RAMAH, COLORADO

NOTES TO FINANCIAL STATEMENTS

December 31, 2019

NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Assets, Liabilities, Fund Balance/Net Assets (Continued)

Capital Assets – Capital assets, which include property, plant, buildings and related improvements, equipment, vehicles, and all infrastructure owned by the Town, are reported in the applicable government-wide or business-type activities columns of the government-wide financial statements and the proprietary funds in the fund financial statements. Capital assets are defined by the Town as assets with an initial, individual cost of more than \$1,000 and an estimated useful life in excess of one year. Such assets are recorded at historical cost or estimated historical cost if purchased or constructed. Donated capital assets are recorded at estimated fair market value at the date of donation.

The costs of normal maintenance and repairs that do not add to the value of the asset or materially extend asset lives are not capitalized.

Capital assets of the Town are depreciated using the straight-line method over the following estimated useful lives.

Buildings	20 years
Infrastructure	40 years
Distribution Systems	40 years
Park Equipment and Improvements	20 years
Equipment, Machinery, and Vehicles	20 years

General infrastructure assets acquired prior to January 1, 2002 are not being reported in the basic financial statements. General infrastructure assets include all roads, bridges, and other infrastructure acquired subsequent to January 1, 2002.

Compensated Absences – The Town does not employ any full time employees, hence, it does not have a compensated absences policy.

Long-Term Debt - In the government-wide financial statements, and the proprietary funds financial statements, long-term debt and other long-term obligations are reported as liabilities in the applicable governmental activities, business-type activities, or proprietary fund statement of net position.

In the governmental fund financial statements, the face amount of debt issued is reported as other financing sources. Debt premiums and discounts are reported as other financing sources and uses, respectively. Issuance costs, whether or not withheld from the actual debt proceeds received, are reported as debt service expenditures.

In the government-wide and proprietary funds, debt premiums and discounts are deferred and amortized over the life of the bonds using the straight-line method.

TOWN OF RAMAH, COLORADO

NOTES TO FINANCIAL STATEMENTS

December 31, 2019

NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Assets, Liabilities and Net Position/Fund Balances (Continued)

Net Position – In the government-wide and proprietary fund financial statements, net position is restricted when constraints placed on the net position are externally imposed.

- Net Investment in Capital Assets – this classification is intended to report the portion of net position which is associated with non-liquid, capital assets less outstanding debt related to those capital assets.
- Restricted Net Position – this classification includes liquid assets which have third party limitations on their use.
- Unrestricted Net Position – this classification includes assets that do not have any third party limitation on their use.

Fund Balance Classification – The governmental fund financial statements present fund balances based on classifications that comprise a hierarchy that is based primarily on the extent to which the Town is bound to honor constraints on the specific purposes for which amounts in the respective governmental funds can be spent. The classifications used in the governmental fund financial statements are as follows:

- Nonspendable – This classification includes amounts that cannot be spent because they are either (a) not in spendable form (such as prepaid items) or (b) are legally or contractually required to be maintained intact.
- Restricted – This classification includes amounts for which constraints have been placed on the use of the resources either (a) externally imposed by creditors (such as through a debt covenant), grantors, contributors or laws or regulations of other governments, or (b) imposed by law through constitutional provisions or enabling legislation.
- Committed – This classification includes amounts that can be used only for specific purposes pursuant to constraints imposed by formal action of the Town’s highest level of decision-making authority, the Town Board of Trustees. The constraint may be removed or changed only through formal action of the Town Board of Trustees.
- Assigned – This classification includes amounts that are constrained by the Town’s intent to be used for specific purposes, but is neither restricted nor committed. Intent is expressed by the Town Board of Trustees to be used for a specific purpose. Constraints imposed on the use of assigned amounts are more easily removed or changed than those imposed on committed amounts.

TOWN OF RAMAH, COLORADO

NOTES TO FINANCIAL STATEMENTS

December 31, 2019

NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Assets, Liabilities and Net Position/Fund Balances (Continued)

- Unassigned – This classification includes the residual fund balance for the General Fund. The unassigned classification also includes negative residual fund balance of any other governmental fund that cannot be eliminated by offsetting of assigned fund balance amounts.

The Town has not established a formal policy for its use of restricted and unrestricted fund balance. However, if both the restricted and unrestricted fund balances are available the Town uses restricted fund balance first, followed by committed, assigned and unassigned.

Property Taxes

Property taxes attach as an enforceable lien on property on January 1, are levied the following December, and are collected in the subsequent calendar year. Taxes are payable in full on April 30 or in two installments on February 28 and June 15. The County Treasurer's Office collects property taxes and remits to the Town on a monthly basis. Since property tax revenues are collected in arrears during the succeeding year, a receivable and corresponding deferred inflow of resources are reported at December 31.

Use of Estimates

The preparation of the basic financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect certain reported amounts and disclosures. Accordingly, actual results could differ from those estimates.

Subsequent Events

The Town has evaluated events subsequent to the year ended December 31, 2019 through August 12, 2020, the date of these financial statements were issued, and has incorporated any required recognition into these financial statements.

On January 30, 2020, the World Health Organization declared the coronavirus outbreak a "Public Health Emergency of International Concern" and on March 10, 2020, declared it to be a pandemic. Actions taken around the world to help mitigate the spread of the coronavirus include restrictions on travel, quarantines in certain areas, and forced closures of certain types of public places and businesses. The coronavirus and actions taken to mitigate it have had and are expected to continue to have an adverse impact on the economies and financial markets of many countries, including the geographical area in which the Town is located. It is unknown how long these conditions will last and what the complete financial effect will be to the Town.

TOWN OF RAMAH, COLORADO

NOTES TO FINANCIAL STATEMENTS

December 31, 2019

NOTE 2: CASH AND INVESTMENTS

A summary of cash and investments at December 31, 2019, follows:

Cash Deposits	\$ 61,583
Investments	<u>43,229</u>
Total	<u>\$ 104,812</u>

Cash is reported in the financial statements as follows:

Cash and Investments	\$ 74,871
Investments - Long-term	<u>29,941</u>
Total	<u>\$ 104,812</u>

Cash Deposits

The Colorado Public Deposit Protection Act (PDPA) requires that all local government entities deposit cash in eligible public depositories. Eligibility is determined by State regulations. Amounts on deposit in excess of Federal Deposit Insurance Corporation (FDIC) levels must be collateralized by eligible collateral as determined by the PDPA. The FDIC insures depositors up to \$250,000 for each financial institution. The PDPA allows the financial institution to create a single collateral pool for all public funds held. The pool is to be maintained by another institution, or held in trust for all uninsured public deposits as a group. The market value of the collateral must be at least equal to 102% of the uninsured deposits. At December 31, 2019, the Town had bank deposits totaling \$92,911 all of which \$250,000 were insured by FDIC.

Investments

The Town has not adopted a formal investment policy; however, the Town follows State statutes regarding investments. The Town generally limits its concentration of investments to Local Government Investment Pools, obligations of the United States and certain U.S. government agency securities, which are believed to have a minimal credit risk; minimal interest rate risk and no foreign currency risk. Additionally, the Town is not subject to concentration risk disclosure requirements or subject to investment custodial credit risk for investments that are in the possession of another party.

Colorado revised statutes limit investment maturities to five years or less unless formally approved by the Town Board of Trustees, such actions are generally associated with debt service reserve or sinking fund requirements.

TOWN OF RAMAH, COLORADO

NOTES TO FINANCIAL STATEMENTS

December 31, 2019

NOTE 2: CASH AND INVESTMENTS (Continued)

Investments (Continued)

State statutes specify investment instruments meeting defined rating, maturity and concentration risk criteria in which local governments may invest which include the following:

- Obligations of the United States and certain U.S. agency securities
- Certain international agency securities
- General obligation and revenue bonds of U.S. local government entities
- Banker's acceptances of certain banks
- Commercial paper
- Local government investment pools
- Written repurchase agreements collateralized by certain authorized securities
- Certain money market funds
- Guaranteed investment contracts

The Town measures and records its investments using fair market value measurement guidelines established by generally accepted accounting principles, except for local government investment pools, which are recorded using the net asset value method. These guidelines recognize a three-tiered fair value hierarchy, as follows:

- Level 1: Quoted prices for identical investment in active markets;
- Level 2: Observable inputs other than quoted market prices; and,
- Level 3: Unobservable inputs.

The Town had \$13,288 invested through a secondary market in liquid insured deposits that is FDIC insured. The investment in the liquid insured deposit is categorized as a Level 1 investment.

TOWN OF RAMAH, COLORADO

NOTES TO FINANCIAL STATEMENTS
December 31, 2019

NOTE 3: CAPITAL ASSETS

Capital asset activity for the year ended December 31, 2019, is summarized below:

	Balances, As Restated 12/31/2018	Additions	Deletions	Balances 12/31/2019
Governmental Activities:				
Capital Assets, not being depreciated				
Land	\$ 18,707	\$ -	\$ -	\$ 18,707
Capital Assets, being depreciated				
Buildings	1,500	-	-	1,500
Infrastructure	164,098	-	-	164,098
Park Equipment and Improvements	8,292	-	-	8,292
Equipment and Vehicles	1,574	-	-	1,574
Total Capital Assets, being depreciated	175,464	-	-	175,464
Less accumulated depreciation				
Buildings	(1,200)	(75)	-	(1,275)
Infrastructure	(25,129)	(4,102)	-	(29,231)
Park Equipment and Improvements	(6,219)	(415)	-	(6,634)
Equipment and Vehicles	(1,259)	(79)	-	(1,338)
Total accumulated depreciation	(33,807)	(4,671)	-	(38,478)
Total Capital Assets, being depreciated, net	141,657	(4,671)	-	136,986
Governmental Activities Capital Assets, net	<u>\$ 160,364</u>	<u>\$ (4,671)</u>	<u>\$ -</u>	<u>\$ 155,693</u>

Depreciation expense was charged to the functions/programs as follows:

General Government	\$ 154
Public Works	4,102
Parks and Recreation	415
Total	<u>\$ 4,671</u>

TOWN OF RAMAH, COLORADO

NOTES TO FINANCIAL STATEMENTS
December 31, 2019

NOTE 3: CAPITAL ASSETS (Continued)

	Balances, As Restated 12/31/2018	Additions	Deletions	Balances Balances 12/31/2019
Business-type Activities:				
Capital Assets, being depreciated				
Distribution Systems	741,401	-	-	741,401
Machinery and Equipment	11,673	-	-	11,673
Total Capital Assets, being depreciated	<u>753,074</u>	<u>-</u>	<u>-</u>	<u>753,074</u>
Less accumulated depreciation				
Distribution Systems	(385,968)	(18,534)		(404,502)
Machinery and Equipment	(7,943)	(584)	-	(8,527)
Total accumulated depreciation	<u>(393,911)</u>	<u>(19,118)</u>	<u>-</u>	<u>(413,029)</u>
Business-type Activities Capital Assets, net	<u>\$ 359,163</u>	<u>\$ (19,118)</u>	<u>\$ -</u>	<u>\$ 340,045</u>

Depreciation expense for the Business-type Activities was charged to the functions/programs as follows:

Water Fund	\$ 10,449
Sewer Fund	<u>8,669</u>
Total	<u>\$ 19,118</u>

NOTE 4: LONG-TERM DEBT

	Balance, As Restated 12/31/2018	Additions	Deletions	Balance 12/31/2019	Due Within One Year
Business-type Activities					
1994 Water and Sewer Revenue Bonds	<u>\$ 85,900</u>	<u>\$ -</u>	<u>\$ 3,900</u>	<u>\$ 82,000</u>	<u>\$ 4,100</u>

TOWN OF RAMAH, COLORADO

NOTES TO FINANCIAL STATEMENTS

December 31, 2019

NOTE 4: LONG-TERM DEBT (Continued)

Water & Sewer Revenue Bonds

During 1994, the Town issued Water & Sewer Revenue Bonds in the principal amount of \$140,000 for the construction of certain water and sewer system improvements. Principal and interest payments are due semi-annually on June 1, and December 1, through June 1, 2034. Interest accrues at a rate of 5.0% per annum. The bonds required a reserve fund be established in the total amount of \$x,xxx, which is reported as restricted net position in the water and sewer funds. The bonds are payable solely from revenues of the Town's water and sewer utility systems, after deducting operation and maintenance costs. During the year ended December 31 2019, net revenues of \$13,385 were available to pay annual debt service of \$8,148. Remaining debt service at December 31, 2019 was \$115,564. Following is summary of water and sewer revenue bonds debt service requirements.

<u>Year Ended December 31</u>	<u>Principal</u>	<u>Interest</u>	<u>Total</u>
2020	\$ 4,100	\$ 4,050	\$ 8,150
2021	4,300	3,843	8,143
2022	4,500	3,625	8,125
2023	4,700	3,398	8,098
2024	5,000	3,158	8,158
2025 - 2029	28,800	11,756	40,556
2030 - 2032	30,600	3,734	34,334
	<u>\$ 82,000</u>	<u>\$ 33,564</u>	<u>\$ 115,564</u>

NOTE 5: PUBLIC ENTITY RISK POOL

The Town is exposed to various risks of loss related to torts; theft of, damage to, and destruction of assets; errors and omissions; injuries to employees; and natural disasters. For these risks of loss, the Town is involved with the Colorado Intergovernmental Risk Sharing Agency (CIRSA), a separate and independent governmental and legal entity formed by intergovernmental agreement by member municipalities pursuant to the provision of 24-10-115.5, Colorado Revised Statutes (1982 Replacement Volume) and Colorado Constitution, Article XIV, Section 18(2).

The purposes of CIRSA are to provide members defined liability, property, and workers compensation coverages and to assist members in preventing and reducing losses and injuries to municipal property and to persons or property which might result in claims being made against members of CIRSA, their employees and officers.

TOWN OF RAMAH, COLORADO

NOTES TO FINANCIAL STATEMENTS

December 31, 2019

NOTE 5: PUBLIC ENTITY RISK POOL (Continued)

It is the intent of the members of CIRSA to create an entity in perpetuity which will administer and use funds contributed by the members to defend and indemnify, in accordance with the bylaws, any member of CIRSA against stated liability of loss, to the limit of the financial resources of CIRSA.

It is also the intent of the members to have CIRSA provide continuing stability and availability of needed coverages at reasonable costs. All income and assets of CIRSA shall be at all times dedicated to the exclusive benefit of its members. CIRSA is a separate legal entity and the Town does not approve budgets nor does it have the ability to significantly affect the operations of entity.

NOTE 6: COMMITMENTS AND CONTINGENCIES

Tabor Amendment

Colorado voters passed an amendment to the State Constitution, Article X, Section 20 (the "Amendment"), which has several limitations, including revenue raising, spending abilities, and other specific requirements of state and local government. The Amendment requires, with certain exceptions, advance voter approval for any new tax, tax rate increase, mill levy above that for the prior year, extension of an expiring tax, or tax policy change directly causing a net tax revenue gain to the Town. Revenue in excess of the fiscal spending limit must be refunded in the next fiscal year unless voters approve retention of such revenue.

In November 1998, the voters approved collection and spending of a one (1) percent sales and use tax, commencing January 1, 1999, without any limitations of the Amendment.

The Town's management believes it is in compliance with the provisions of the Amendment. However, the Amendment is complex and subject to interpretation. Many of its provisions may require judicial interpretation.

The Town has established an emergency reserve, representing 3% of qualifying expenditures, as required by the Amendment. At December 31, 2019, the emergency reserve of \$1,100 was reported as restricted fund balance in the General Fund.

Claims and Judgments

The Town participates in a number of federal, state, and local programs that are fully or partially funded by grants received from other governmental entities. Expenses financed by grants are subject to audit by the appropriate grantor government.

TOWN OF RAMAH, COLORADO

NOTES TO FINANCIAL STATEMENTS

December 31, 2019

NOTE 6: COMMITMENTS AND CONTINGENCIES (Continued)

Claims and Judgments (Continued)

If expenses are disallowed due to noncompliance with grant program regulations, the Town may be required to reimburse the grantor government. At December 31, 2019, significant amounts of grant expenses have not been audited but management believes that subsequent audits will not have a material effect on the overall financial position of the Town.

NOTE 7: PRIOR PERIOD RESTATEMENT

During the year ended December 31, 2019, the Town received additional information related to receivable, payables, capital assets and long-term debt balances. As a result, beginning balances for the General, Water, and Sewer Funds were restated to correct the beginning balances as of January 1, 2019. A recap is provided below:

Beginning Fund Balance – General Fund, as previously reported at January 1, 2019	\$ 14,018
Cash and Investments	(984)
Accounts Payable	<u>(1,048)</u>
Beginning Fund Balance – General Fund, January 1, 2019, as restated	<u>\$ 11,986</u>
Beginning Net Position – Governmental Activities, as previously reported at January 1, 2019	\$ 232,075
Cash and Investments	(984)
Capital Assets, net of accumulated depreciation	(45,577)
Accounts Payable	<u>(1,048)</u>
Beginning Net Position – Governmental Activities, January 1, 2019, as restated	<u>\$ 184,466</u>
Beginning Net Position – Water Fund, as previously reported at January 1, 2019	\$ 149,684
Accounts Receivable	(503)
Capital Assets, net of accumulated depreciation	29,830
Customer Deposits	249
Bonds Payable	<u>8,400</u>
Beginning Net Position – Water Fund, January 1, 2019, as restated	<u>\$ 187,660</u>
Beginning Net Position – Sewer Fund, as previously reported at January 1, 2019	\$ 204,262
Capital Assets, net of accumulated depreciation	(46,231)
Bonds Payable	<u>8,400</u>
Beginning Net Position – Sewer Fund, January 1, 2019, as restated	<u>\$ 166,431</u>

REQUIRED SUPPLEMENTARY INFORMATION

TOWN OF RAMAH, COLORADO
GENERAL FUND
BUDGETARY COMPARISON SCHEDULE
Year Ended December 31, 2019

	2019		VARIANCE Positive (Negative)
	ORIGINAL AND FINAL BUDGET	ACTUAL	
REVENUES			
Taxes	\$ 15,059	\$ 15,120	\$ 61
Licenses and Permits	2,374	3,171	797
Intergovernmental	9,204	11,501	2,297
Interest	12	12	-
Miscellaneous	4,925	5,135	210
TOTAL REVENUES	<u>31,574</u>	<u>34,939</u>	<u>3,365</u>
EXPENDITURES			
Current			
General Government	36,128	24,769	11,359
Parks and Recreation	600	748	(148)
Health and Welfare	500	602	(102)
Public Works	9,100	11,674	(2,574)
TOTAL EXPENDITURES	<u>46,328</u>	<u>37,793</u>	<u>8,535</u>
NET CHANGE IN FUND BALANCE	(14,754)	(2,854)	11,900
FUND BALANCE, Beginning, As Restated	<u>14,754</u>	<u>11,986</u>	<u>(2,768)</u>
FUND BALANCE, Ending	<u>\$ -</u>	<u>\$ 9,132</u>	<u>\$ 9,132</u>

See the accompanying Independent Auditor's Report.

TOWN OF RAMAH, COLORADO

NOTES TO REQUIRED SUPPLEMENTARY INFORMATION
December 31, 2019

NOTE 1: STEWARDSHIP, COMPLIANCE AND ACCOUNTABILITY

Budgets

Budgets are legally adopted for all funds of the Town. Budgets for governmental funds are adopted on a basis consistent with generally accepted accounting principles (GAAP). Budgetary comparisons for the enterprise funds are presented on a non-GAAP budgetary basis. Capital outlay and long-term debt principal are budgeted as expenditures and depreciation is not budgeted.

The Town follows these procedures in establishing the budgetary data reflected in the financial statements:

- In September, Management submits to the Town Board of Trustees a proposed operating budget for the fiscal year commencing the following January 1. The operating budget includes proposed expenditures and the means of financing them.
- Public hearings are conducted to obtain taxpayer and public comments.
- Prior to December 31, the budget is legally enacted through passage of an ordinance.
- Management is authorized to transfer budgeted amounts between departments within any fund. However, any revisions that alter the total expenditures must be approved by the Town Board of Trustees.
- All budget appropriations lapse at year end. Colorado governments may not exceed budgeted appropriations at the fund level.

SUPPLEMENTARY INFORMATION

TOWN OF RAMAH, COLORADO
 CONSERVATION TRUST FUND
 BUDGETARY COMPARISON SCHEDULE
 Year Ended December 31, 2019

	2019		VARIANCE Positive (Negative)
	ORIGINAL AND FINAL BUDGET	ACTUAL	
REVENUES			
Lottery Revenues	\$ 1,200	\$ 1,478	\$ 278
Interest	6	11	5
TOTAL REVENUES	<u>1,206</u>	<u>1,489</u>	<u>283</u>
EXPENDITURES			
Parks and Recreation	<u>13,191</u>	<u>2,825</u>	<u>10,366</u>
TOTAL EXPENDITURES	<u>13,191</u>	<u>2,825</u>	<u>10,366</u>
NET CHANGE IN FUND BALANCE	(11,985)	(1,336)	10,649
FUND BALANCE, Beginning	<u>11,985</u>	<u>12,116</u>	<u>131</u>
FUND BALANCE, Ending	<u>\$ -</u>	<u>\$ 10,780</u>	<u>\$ 10,780</u>

See the accompanying Independent Auditor's Report.

TOWN OF RAMAH, COLORADO
WATER FUND
BUDGETARY COMPARISON SCHEDULE
Year Ended December 31, 2019

	2019		VARIANCE Positive (Negative)
	ORIGINAL AND FINAL BUDGET	ACTUAL	
REVENUES			
Charges for Services	\$ 28,500	\$ 27,840	\$ (660)
Connection and Late Fees	600	545	(55)
Investment Income	200	453	253
TOTAL REVENUES	29,300	28,838	(462)
EXPENDITURES			
Operations and Maintenance	23,974	22,572	1,402
Administration and General	2,450	1,652	798
Capital Outlay	-	-	-
Debt Service			
Principal	2,000	1,950	50
Interest	2,100	2,124	(24)
TOTAL EXPENDITURES	30,524	28,298	2,226
NET INCOME, Budget Basis	\$ (1,224)	540	\$ 1,764
GAAP BASIS ADJUSTMENTS			
Depreciation		(10,449)	
Principal Paid on Long-Term Debt		1,950	
NET INCOME, GAAP Basis		(7,959)	
NET POSITION, Beginning, As Restated		187,660	
NET POSITION, Ending		\$ 179,701	

See the accompanying Independent Auditor's Report.

TOWN OF RAMAH, COLORADO
 SEWER FUND
 BUDGETARY COMPARISON SCHEDULE
 Year Ended December 31, 2019

	2019		VARIANCE Positive (Negative)
	ORIGINAL AND FINAL BUDGET	ACTUAL	
REVENUES			
Charges for Services	\$ 14,300	\$ 14,480	\$ 180
Late Fees	550	545	(5)
Grant Revenue	135,000	-	(135,000)
Investment Income	500	625	125
TOTAL REVENUES	150,350	15,650	(134,700)
EXPENDITURES			
Operations and Maintenance	8,300	5,776	2,524
Administration and General	1,600	1,103	497
Capital Outlay	135,000	-	135,000
Debt Service			
Principal	2,000	1,950	50
Interest	2,100	2,124	(24)
Contingency Reserve	15,516	-	15,516
TOTAL EXPENDITURES	164,516	10,953	153,563
NET INCOME, Budget Basis	\$ (14,166)	4,697	\$ 18,863
GAAP BASIS ADJUSTMENTS			
Depreciation		(8,669)	
Principal Paid on Long-term Debt		1,950	
NET INCOME, GAAP Basis		(2,022)	
NET POSITION, Beginning, As Restated		166,431	
NET POSITION, Ending		\$ 164,409	

See the accompanying Independent Auditor's Report.

OTHER INFORMATION

The public report burden for this information collection is estimated to average 380 hours annually.

LOCAL HIGHWAY FINANCE REPORT	City or County: Ramah
	YEAR ENDING : December 2019
This Information From The Records Of Town of Ramah:	Prepared By: Cindy Tompkins Phone:

I. DISPOSITION OF HIGHWAY-USER REVENUES AVAILABLE FOR LOCAL GOVERNMENT EXPENDITURE

ITEM	A. Local Motor-Fuel Taxes	B. Local Motor-Vehicle Taxes	C. Receipts from State Highway-User Taxes	D. Receipts from Federal Highway Administration
1. Total receipts available				
2. Minus amount used for collection expenses				
3. Minus amount used for nonhighway purposes				
4. Minus amount used for mass transit				
5. Remainder used for highway purposes				

II. RECEIPTS FOR ROAD AND STREET PURPOSES		III. DISBURSEMENTS FOR ROAD AND STREET PURPOSES	
ITEM	AMOUNT	ITEM	AMOUNT
A. Receipts from local sources:		A. Local highway disbursements:	
1. Local highway-user taxes		1. Capital outlay (from page 2)	0
a. Motor Fuel (from Item I.A.5.)		2. Maintenance:	1,578
b. Motor Vehicle (from Item I.B.5.)		3. Road and street services:	
c. Total (a.+b.)		a. Traffic control operations	0
2. General fund appropriations		b. Snow and ice removal	580
3. Other local imposts (from page 2)	1,338	c. Other	5,362
4. Miscellaneous local receipts (from page 2)	2,003	d. Total (a. through c.)	5,942
5. Transfers from toll facilities		4. General administration & miscellaneous	7,185
6. Proceeds of sale of bonds and notes:		5. Highway law enforcement and safety	
a. Bonds - Original Issues		6. Total (1 through 5)	14,705
b. Bonds - Refunding Issues		B. Debt service on local obligations:	
c. Notes		1. Bonds:	
d. Total (a. + b. + c.)	0	a. Interest	
7. Total (1 through 6)	3,341	b. Redemption	
B. Private Contributions		c. Total (a. + b.)	0
C. Receipts from State government (from page 2)	11,364	2. Notes:	
D. Receipts from Federal Government (from page 2)	0	a. Interest	
E. Total receipts (A.7 + B + C + D)	14,705	b. Redemption	
		c. Total (a. + b.)	0
		3. Total (1.c + 2.c)	0
		C. Payments to State for highways	
		D. Payments to toll facilities	
		E. Total disbursements (A.6 + B.3 + C + D)	14,705

IV. LOCAL HIGHWAY DEBT STATUS
(Show all entries at par)

	Opening Debt	Amount Issued	Redemptions	Closing Debt
A. Bonds (Total)				0
1. Bonds (Refunding Portion)				
B. Notes (Total)				0

V. LOCAL ROAD AND STREET FUND BALANCE

	A. Beginning Balance	B. Total Receipts	C. Total Disbursements	D. Ending Balance	E. Reconciliation
		14,705	14,705		0

Notes and Comments:

See the accompanying Independent Auditor's Report.

2021 BUDGET MESSAGE

The Town of Ramah budget is created using a cash basis of accounting. No flat percentage increases were adopted. The Town of Ramah is a small town with no viable businesses and little to no growth. The Town's assessed valuation increased to \$545,550 which is approximately a 2% increase. Most line items remained the same, or increased slightly to reflect higher expenses for utilities, supplies, testing, insurance, etc.

The Town of Ramah total budget, including all funds is \$147,400. The Town of Ramah will be looking for additional grants for our sewer project and the budget may need to be amended. The Town increased our sewer rates in 2020 and is again increasing them in 2021 in anticipation of the large sewer project. The Town budget includes money for general government operations, Ramah Cemetery, the town park, street repair, maintenance and snow remove, Conservation Trust Fund and the town's water and wastewater services.

Any questions regarding this budget may be addressed to Cindy Tompkins, Town Clerk/Treasurer at 719-541-2163

Sincerely,

TOWN OF RAMAH

A handwritten signature in cursive script that reads "Cindy Tompkins". The signature is written in black ink and is positioned above a horizontal line.

Cindy M Tompkins

Town Clerk/Treasurer

GENERAL FUND

The General Fund contains all the Town revenue and expenditures except those specifically allocated for other purposes, such as the Water, Sewer and Conservation Trust funds. It is the major fund for all ordinary expenditures of the Town and includes Administrative, Cemetery, Streets and Recreation.

SOURCES OF FUNDS

Property taxes fund approximately 35% of the General Fund 2021 Budget. The mill levy for 2020 is 19.827 mills

Another major source of revenue for the General Fund is derived from Highway Users Tax Fund which accounts for 24% of the General Fund Budget.

All other items such as a franchise fee, cemetery funds, building permits and specific ownership taxes remain flat.

EXPENDITURES

Administration and Non-Departmental Services:

As in previous years, personnel services account for one of the greatest expenditures in the 2021 budget. Most line items remained flat with office supplies being spread out between all funds.

Streets:

Street maintenance is still a priority. The funds received from the Pikes Peak Rural Transportation Authority will be used in 2021 to assist with some drainage issues.

Parks:

The park budget remains the same as in previous years.

Cemetery:

Cemetery expenses should remain flat in 2021. Improvements are being done as funds permit.

WATER FUND

The Water Fund is an enterprise fund funded solely on water user fees and tap fees. The Town of Ramah provides metered water service to all Town residents from two deep wells. The 2021 Water Fund Budget is \$38,312.

The services provided by the Town include required water testing, water main maintenance, installations, upgrade and repair, water meter repair, replacement and new meter installation, monthly meter reading for billing purposes, storage tank, well and booster pump maintenance and chlorinator repair and maintenance. The Water Fund also funds salaries, benefits and overtime for Town employees.

Reserve building is still a high priority for the water fund and will continue.

SEWER FUND

The Sewer Fund is an enterprise fund funded solely through the collection of monthly user fees and new service tap fees. The 2021 Budget for the Sewer Fund is \$52,193 which includes an increasing reserve balance. With the revenue collected, the Town of Ramah provides the maintenance of the wastewater facility per state and federal regulations, monthly billing of users and wages and benefits for Town employees. Residents are billed a monthly flat rate that was increase in 2020 and will be increased in January, 2021.

The Town purchase property in 2020 to relocate the sewer lagoon system. The Town will be actively searching for grants and loans to assist with this project in 2021 and 2022.

CONSERVATION TRUST FUND

The Conservation Trust Fund revenues are received from lottery sales and are used exclusively for the Town Park, ball field and trails.

The Conservation Trust Fund has an anticipated beginning balance of \$12,403. This will be available for continued improvements of the recreation facilities in the Town of Ramah

GENERAL FUND

The General Fund contains all Town revenue and expenditures except those specifically allocated for other purposes, such as the Water, Sewer and Conservation Trust Funds. It is the major fund for all ordinary expenditures of the Town and includes Administrative, Cemetery, Streets and recreation.

SOURCES OF FUNDS

Property taxes fund approximately 31% of the General Fund 2020 Budget less the grant funds. The mill levy for 2019 is 19.827 mills.

Another major source of revenue for the General Fund is derived from Highway Users Tax Fund which accounts for 30% of the General fund budget.

All other items such as a franchise fee, cemetery funds, building permits and specific ownership taxes remain flat.

EXPENDITURES

Administration and Non-Departmental Services:

As in previous years, personnel services account for one of the greatest expenditures in the 2020 Budget. Most line items remained flat with office supplies being spread out between all of the funds. The town has also budgeted for an audit that may be done in 2020 or 2021 instead of the audit exemption done the last 5 years.

Streets:

Street maintenance is still a priority. The funds received from the Pikes Peak Rural Transportation Authority help fund needed repairs and any capital improvements.

Parks:

The Park budget remains the same as in previous years.

Cemetery:

Cemetery expenses were should remain flat in 2020. The Town continues to work on improvements to the cemetery as funds permit.

2021 GENERAL/STREET FUND BUDGET

	2015	2016	2017	2018	2019	2020 thru Aug	2020 ANNUALIZED	2021
BEGINNING BALANCE	-\$1,204	\$11,622	\$14,420	\$12,875	\$14,565	\$11,710	\$11,710	\$13,492
EXPENDITURES								
MAINTENANCE	\$728	\$1,492	\$884	\$1,131	\$375	\$88	\$100	\$100
Street maintenance	\$597	\$1,193	\$424	\$1,927	\$1,202	\$268	\$1,000	\$1,000
Wages	\$9,402	\$9,616	\$12,008	\$11,049	\$8,184	\$6,495	\$8,000.00	\$9,000
Street Wages					\$2,436		\$1,500.00	\$1,500
FICA					\$940	\$483		\$803
WORK COMP	\$528	\$300	\$191	\$169	\$186	\$119	\$200	\$200
INSURANCE	\$1,999	\$1,772	\$1,808	\$1,296	\$1,758	\$1,535	\$2,000.00	\$2,000
OFFICE EXPENSES	\$1,302	\$968	\$1,343	\$1,096	\$1,784	\$1,611	\$1,600	\$1,600
MOSQUITO CONTROL	\$0	\$832	\$1,370	\$695	\$1,440	\$750	\$750	\$750
TELEPHONE	\$276	\$296	\$305	\$312	\$363	\$240	\$360.14	\$365
UTILITIES-Elec	\$501	\$530	\$589	\$558	\$566	\$317	\$476.00	\$500
Utilities-street lights	\$4,882	\$5,415	\$5,708	\$5,811	\$5,362	\$3,885	\$5,827.31	\$5,900
utilities-propane	\$1,205	\$849	\$1,105	\$1,280	\$1,385	\$940	\$1,400	\$1,400
EDUCATION & TRAINING	\$0	\$480	\$0	\$108	\$0	\$0	\$200	\$200
LEGAL	\$83		\$0	\$2,082	\$3,616	\$1,986	\$3,000	\$3,000
PUBLICATIONS	\$90	\$85	\$119	\$132	\$108	\$49	\$100	\$100
MILEAGE PER DIEM & FUEL	\$752	\$1,722	\$1,918	\$1,178	\$1,290	\$475	\$713.22	\$500
SOFTWARE	\$0						\$0	
CAPITAL OUTLAY-EQUIP	\$0	\$7,761	\$873	\$492		\$500	\$500	
CEMETERY	168.81	434.9	0	456	602.04	0	\$200	\$200
AUDIT/CPA	\$500						\$6,000	
RAMAH DAYS	\$1,340	\$1,817	\$1,956	\$2,195	\$2,407	\$0	\$0	\$2,500
MISCELLANEOUS	\$703	\$328	\$0	\$560	\$105	\$0	\$250	\$250
RECREATION SUPPLIES & EXP (xmas)	\$929	\$913	\$814	\$762	\$748	\$125	\$600	\$600
COUNTY TREASURER'S FEES	\$103	\$84	\$172	\$87	\$95	\$102	\$120	\$120
Snow removal	\$495	\$293	\$0	\$0	\$580	\$0	\$500	\$500
TRASH	\$617	\$617	\$617	\$645	\$568	\$432	\$648.00	\$650
RENT FOR LEGION HALL	\$655	\$605	\$715	\$660	\$660	\$248	\$744.00	\$744
DONATIONS/SCHOLARSHIPS	\$0							
BOOKS/SUBSCRIPTIONS/MEMB	\$240	\$247	\$241	\$354	\$239	\$18	\$250	\$250
ELECTION	\$0	\$24	\$0				\$0	
STREET SIGNS	\$0		\$0	\$42	\$0		\$0	\$250
PPRTA REIMBURSEMENT	\$0		\$0					
CONTRACT LABOR	\$0		\$40	\$1,069	\$795	\$528	\$600	\$500
ROOF INSURANCE CLAIM			\$0					
CDBG GRANTS - PAVING			\$0					
CDBG GRANTS - CLEAN&GREEN			\$0					
CDBG GRANTS			\$0					
CONTINGENCY								\$8,924
TOTAL EXPENDITURES	\$28,094	\$38,671	\$33,201	\$36,144	\$37,794	\$21,195	\$37,639	\$44,406
ENDING BALANCE	\$11,622	\$14,420	\$12,875	\$14,565	\$11,710	\$23,562	\$13,492	\$0

TOWN OF RAMAH

2021 WATER FUND BUDGET

thru Aug ANNUALIZED

	2014	2015	2016	2017	2018	2019	2020	2020	2021
BEGINNING BALANCE	-\$11,243	-\$18,939	-\$10,665	-\$9,103	-\$5,299	\$3,702	\$3,702	\$3,702	\$8,862
RESERVE BALANCES	\$14,592	\$19,262	\$21,021	\$19,938	\$25,170	\$25,624	\$25,244	\$25,244	\$22,124
REVENUES									
WATER SERVICE CHARGES	\$24,885	\$27,597	\$29,226	\$28,218	\$28,340	\$27,840	\$19,591	\$29,386.14	\$29,000
METER DEPOSITS								\$0	
HOOK-UP CHARGES									
LATE FEES	\$738	\$572	\$680	\$585	\$600	\$545	\$71	\$71.00	\$250
TAP FEES		\$3,000			\$3,000		\$3,000		
MISCELLANEOUS				\$1,210		\$84	\$783	\$783	
INSURANCE CLAIM								\$0	
GRANT	\$49,134	\$6,394		\$2,082	\$4,328			\$4,328	
GRANT - CDBG	\$18,843								
TOTAL REVENUES	\$93,600	\$37,563	\$29,905	\$32,095	\$36,268	\$28,470	\$23,444	\$34,568	\$29,250
TRANSFER FROM CD TO CHECKING									
INTEREST	\$297	\$205	\$259	\$416	\$233	\$369	\$38	\$100.00	\$200
TOTAL RESOURCES	\$82,654	\$18,829	\$19,499	\$23,409	\$31,202	\$32,541	\$27,184	\$38,270	\$38,312
EXPENDITURES									
REPAIR/MAINTENANCE	\$1,879	\$1,635	\$228	\$2,163	\$2,074	\$2,393	\$3,995	\$2,000.00	\$4,000
Salary	\$11,336	\$10,285	\$9,416	\$9,550	\$11,205	\$9,675	\$7,051	\$10,576.79	\$10,500
FICA						\$681	\$403	\$605.12	\$803
WORK COMP	\$104	\$264	\$150	\$136	\$84	\$144	\$34	\$200	\$200
INSURANCE	\$841	\$1,000	\$850	\$863	\$654	\$879	\$767	\$1,000	\$1,000
OFFICE SUPPLIES/EXPENSES	\$211	\$203	\$78	\$0	\$347	\$302	\$83	\$300	\$300
TELEPHONE	\$152	\$151	\$161	\$166	\$170	\$176	\$131	\$200	\$200
UTILITIES-ELECTRIC	\$3,699	\$3,651	\$4,765	\$5,192	\$5,234	\$4,833	\$3,651	\$5,476.92	\$5,200
utilities-propane	\$2,329	\$986	\$346	\$440	\$868	\$1,124	\$714	\$1,074	\$1,100
EDUCATION & TRAINING	\$220	\$860	\$529	\$220	\$293	\$0	\$135	\$325	\$400
LEGAL	\$0	\$0						\$0	
Legal publications	\$486	\$72	\$56	\$42	\$125	\$46	\$50	\$100	\$100
EQUIP FUEL & MILEAGE	\$709	\$396	\$88	\$142				\$100	\$300
SOFTWARE	\$0	\$0							
CAPITAL OUTLAY - ROOF CLAIM			\$4,650					\$0	
CAPITAL OUTLAY-TANK REPAIRS									
DEBT SERVICE	\$4,049	\$4,073	\$4,091	\$4,056	\$4,068	\$4,074	\$2,025	\$4,100	\$4,100
GRANT EXPENSES	\$20,000			\$4,095				\$0	
TESTS	\$2,565	\$1,607	\$2,881	\$1,348	\$2,029	\$3,684	\$835	\$3,000	\$3,000
SUPPLIES	\$614	\$9	\$64	\$44	\$99	\$38	\$46	\$100	\$100
BOOKS/SUBSCRIPTIONS/MEMB	\$225	\$225	\$250	\$250	\$250	\$250	\$250	\$250	\$250
METERS									
WATER RESERVE/CONTINGENCY									\$6,759
AUDIT	1000								
WATER VALVE PROJECT	51174.15	4078							
CONTINGENCY									
TOTAL EXPENDITURES	\$101,593	\$29,493	\$28,602	\$28,707	\$27,500	\$28,299	\$20,172	\$29,408	\$38,312
CD - WATER RESERVE									
ENDING BALANCE	-\$18,939	-\$10,665	-\$9,103	-\$5,299	\$3,702	\$4,242	\$7,012	\$8,862	\$0

**Town of Ramah
2021 Sewer Fund Budget**

thru Aug ANNUALIZED

	2014	2015	2016	2017	2018	2019	2020	2020	2021
Beginning Balance	2951	3721	5927	10139	10546	17835	17835	17835	27139
CD balances	22771	26602	28560	29540	33092	33717	33253	33253	30006.1
SEWER USER FEES	11760	14288	14615	14252	14247	14480	12962	19443	24304
INTEREST									
TAP FEES					3000		3000	3000	
LATE FEES	685	600	590	615	600	545	70	70	250
OTHER-CIRSA									
GRANT				2082			132894	135000	
CDBG GRANT - SEPTIC TANK									
MISC									
Total Revenue	12445	14888	15205	16949	17847	15025	148926	157513	24554
cd#11537									
cd#11538									
interest	536	147	458	480	552	625	83	500	500
Total Resource	15931	18757	21590	27568	28946	33485	166844	175848	52193
Expenditures									
EQUIP REPAIR/MAINT	641	431	0	0	623	0	13350	250	250
WAGES	5076	4911	6083	5008	5410	4974	3369	5054	5100
FICA						422	250	375	390
WORK COMP	104	264	150	136	84	144	85	200	200
INSURANCE	841	999	850	862	654	879	767	1000	1000
OFFICE EXP / SUPPLY	127		100			92	0	100	100
TELEPHONE	76	75	81	83	85	88	65	100	100
UTILITIES									
EDUCATION / TRAINING	0	200	0	0				100	100
ENGINEERING/CONSULTING						210	308	500	500
Legal publications	277	70	54	41	121	45	49	80	80
MLG PER DIEM	0	0					72	100	
SOFTWARE									
CAPITAL OUTLAY / EQUIP									
DEBT SERVICE	4049	4073	4091	4056	4068	4074	2025	4100	4100
GRANT				6805			120017	135000	
SEWER LINE CLEANING							650	650	
AUDIT	1000							1000	
SUPPLIES	19	6	42	29	66	26	31	100	100
SEWER RESERVE									
SEPTIC TANK CLEANING		1800							
CONTINGENCY									40173
Total Expenditures	12210	12829	11451	17022	11111	10953	141038	148709	52193
Total Resource									
Balance =	3721	5927	10139	10546	17835	22532	25806	27139	0

TOWN OF RAMAH

2021 CONSERVATION TRUST FUND BUDGET

	2014	2015	2016	2017	2018	2019	2020	2020	2021
	THRU AUG ANNUALIZED								
BEGINNING BALANCE	\$5,578	\$6,871	\$8,100	\$9,525	\$10,793	\$12,116	\$12,116	\$12,116	\$12,403
REVENUES									
STATE DISTRIBUTION	\$1,288	\$1,222	\$1,416	\$1,259	\$1,306	\$1,478	\$641	\$1,281.36	\$1,500
INTEREST	\$5	\$7	\$9	\$10	\$16	\$11	\$5	\$6	\$10
TRANSFERS FROM GF									
TOTAL REVENUES	\$1,293	\$1,229	\$1,425	\$1,269	\$1,322	\$1,489	\$646	\$1,287	\$1,510
TOTAL RESOURCES	\$6,871	\$8,100	\$9,525	\$10,793	\$12,116	\$13,605	\$12,762	\$13,403	\$13,913
EXPENDITURES									
PARK	\$0	\$0	\$0		\$0	\$2,825	\$0	\$1,000	\$3,000
CONTINGENCY									\$9,489
TOTAL EXPENDITURES	\$0	\$0			\$0		\$0	\$1,000	\$12,489
ENDING BALANCE	\$6,871	\$8,100	\$9,525	\$10,793	\$12,116	\$13,605	\$12,762	\$12,403	\$1,424

PPRTA BOARD OF DIRECTORS
CAC APPLICATION REVIEW SUBCOMMITTEE MEETING

SPECIAL MEETING AGENDA*

Thursday, January 28, 2021 at 9:30 AM

Join Zoom Meeting

<https://ppacg.zoom.us/j/99817636424?pwd=M09Xci9aVFNrblFMeFNGRTYweXdsZz09&from=addon>

Meeting ID: 998 1763 6424 Passcode: 324028
One tap mobile: +13462487799,,99817636424#
Dial in: 346 248 7799

	AGENDA ITEM	ACTION
1	Call to Order / Establish a Quorum	
2	Review of PPRTA CAC At Large Alternate Applications	Recommendation
3	Adjournment	Approve

Respectfully Submitted,
Rick Sonnenburg, PPRTA Board Secretary

*All participation in this meeting will be via online and telephone conference in order to preserve the health, safety, and welfare of the public in light of the imminent threat caused by the Covid-19 pandemic and due to the state of emergency declared by Governor Polis, as amended and extended, corresponding executive orders and public health orders, as amended and extended, and CDC recommendations against gathering in large groups in order to mitigate the spread of the Covid-19 virus.

**TOWN OF RAMAH
ORDINANCE 2020-03
ADOPTION OF THE 2021 BUDGET**

AN ORDINANCE SUMMARIZING EXPENDITURES AND REVENUES FOR EACH FUND AND ADOPTING A BUDGET FOR THE TOWN OF RAMAH, COLORADO, FOR THE CALENDAR YEAR BEGINNING ON THE FIRST DAY OF JANUARY, 2021, AND ENDING ON THE LAST DAY OF DECEMBER, 2021.

WHEREAS, the Board of Trustees of the Town of Ramah has appointed Cindy M. Tompkins, Town Clerk/Treasurer to prepare and submit a proposed budget to said governing body at the proper time, and;

WHEREAS, Cindy Tompkins, Town Clerk, has submitted a proposed budget to this governing body on October 14, 2020, for its consideration, and;

WHEREAS, upon due and proper notice, published in accordance with the law, said proposed budget was open for inspection by the public at the Ramah Town Hall, a public hearing was held on December 11, 2019, 2020 and interested taxpayers were given the opportunity to file or register any objections to said proposed budget, and;

WHEREAS, whatever increases may have been made in the expenditures, like increases were added to the revenues so that the budget remains in balance, as required by law.

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF TRUSTEES OF THE TOWN OF RAMAH, COLORADO:

Section 1. That the budget as submitted, amended, and summarized by fund, hereby is approved and adopted as the budget of the Town of Ramah for year 2021.

Section 2. That the budget hereby approved and adopted shall be signed by Dennis Carpenter, Mayor, and Cindy M. Tompkins, Town Clerk, and made a part of the public records of the Town of Ramah.

ADOPTED, this 9^H day of December, 2020.

(Seal)


DENNIS CARPENTER
Mayor

ATTEST:


CINDY M. TOMPKINS
Town Clerk

**TOWN OF RAMAH
ORDINANCE 2020-04
MILL LEVY**

**AN ORDINANCE LEVYING GENERAL PROPERTY TAXES
FOR THE YEAR 2020, TO HELP DEFRAY THE COSTS OF GOVERNMENT
FOR THE TOWN OF RAMAH, COLORADO,
FOR THE 2021 BUDGET YEAR**

WHEREAS, the Board of Trustees of the Town of Ramah has adopted the annual budget in accordance with the Local Government Budget Law, on December 9, 2020, and;

WHEREAS, the amount of money necessary to balance the budget for general operating purposes from property tax revenue is **\$10,817**. and;

WHEREAS, the 2020 valuation assessment for the Town of Ramah as certified by the El Paso County Assessor is **\$545,550**,

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF TRUSTEES OF THE TOWN OF RAMAH, COLORADO:

Section 1. That for the purpose of meeting all general operating expenses of the Town of Ramah during the 2021 budget year, there is hereby levied a tax of **19.827 mills** upon each dollar of the total valuation for assessment of all taxable property within the Town of Ramah for the year 2020.

Section 2. That the Town Clerk is hereby authorized and directed to immediately certify to the County Commissioners of El Paso County, Colorado, the mill levy for the Town of Ramah as herein above determined and set based upon the final November certification of valuation from the El Paso County Assessor.

ADOPTED this 9th day of December, 2020.

(Seal)



DENNIS CARPENTER
Mayor

ATTEST:



CINDY M TOMPKINS
Town Clerk

**TOWN OF RAMAH
ORDINANCE 2020-05
APPROPRIATION OF MONEY**

AN ORDINANCE APPROPRIATING SUMS OF MONEY TO THE VARIOUS FUNDS AND SPENDING AGENCIES, IN THE AMOUNTS AND FOR THE PURPOSE AS SET FORTH BELOW, FOR THE TOWN OF RAMAH, COLORADO FOR THE 2021 BUDGET YEAR.

WHEREAS, the Board of Trustees of the Town of Ramah has adopted the annual budget in accordance with Local Government Budget Law, on December 9, 2020, and;

WHEREAS, the Board of Trustees has made provision therein for revenues in an amount equal to or greater than the total proposed expenditures as set forth in said budget, and;

WHEREAS, it is not only required by law, but also necessary to appropriate the revenues, reserves and fund balances provided in the budget to and for the purposes described below, thereby establishing a limitation on expenditures for the operations of the Town of Ramah.

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF TRUSTEES OF THE TOWN OF RAMAH, COLORADO:

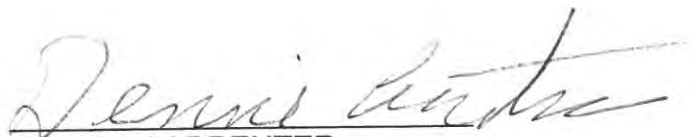
Section 1. That the following sums are hereby appropriated from the revenue of each fund, to each fund, for the purposes stated:

	GENERAL FUND	WATER FUND	SEWER FUND
Current Operating Expenses	\$44,406	\$34,212	\$48,093
Capital Outlay	0	0	0
Debt Service	0	\$4,100	\$4,100
Grants		0	
		0	
TOTALS	\$44,406	\$38,312	\$52,193

FUND	2021 APPROPRIATION
Conservation Trust Fund	\$13,913

ADOPTED this 9TH day of December, 2020

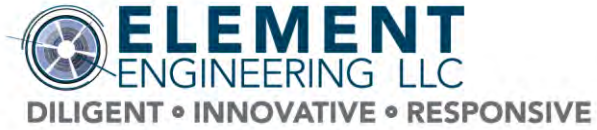
(Seal)


DENNIS CARPENTER
Mayor

ATTEST:


CINDY M TOMPKINS
Town Clerk

**APPENDIX I
AGENCY REVIEW TRANSMITTALS**



TRANSMITTAL FORM

To: <u>CDPHE WQCD – Engineering Section</u> <u>4300 Cherry Creek Drive South</u> <u>Denver, CO 80246-1530</u>	Date:	<u>November 17, 2021</u>
Attn: <u>Mr. Bret Icenogle</u>	Re:	<u>Town of Ramah Wastewater and Lift Station Site Applications</u>
	Job No.:	<u>00043.0001</u>
	From:	<u>Alice Arsenault, P.E.</u>
	Phone:	<u>(303) 981-0453</u>

Via:

Mail
 Fax
 FedEx
 Courier
 Other

Item List:

Copies	Description
1	Town of Ramah Wastewater Treatment Plant 22.6 Site Application
1	Town of Ramah Lift Station 22.9 Site Application
1	Wastewater Treatment Plant and Lift Station 30% Concept Plans

These are transmitted:

For your approval
 For your use
 As requested
 For review and comment

Remarks

TRANSMITTAL FORM

To: <u>Town of Ramah</u> <u>113 S Commercial Street</u> <u>Ramah, CO 80832</u>	Date: <u>November 17, 2021</u> Re: <u>Town of Ramah Wastewater and Lift Station Site Applications</u>
Attn: <u>Cindy Tompkins</u>	Job No.: <u>00043.0001</u> From: <u>Alice Arsenault, P.E.</u> Phone: <u>(303) 981-0453</u>

Via:

Mail
 Fax
 FedEx
 Courier
 Other

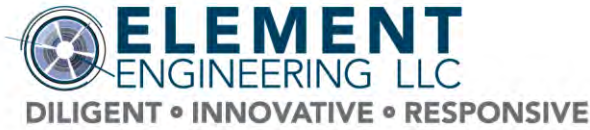
Item List:

Copies	Description
1	Town of Ramah Wastewater Treatment Plant 22.6 Site Application
1	Town of Ramah Lift Station 22.9 Site Application
1	Wastewater Treatment Plant and Lift Station 30% Concept Plans

These are transmitted:

For your records
 For your use
 As requested
 For review and comment

Remarks



TRANSMITTAL FORM

To: <u>El Paso County Public Health</u> <u>1675 W Garden of the Gods Rd.</u> <u>Suite 2044</u> <u>Colorado Springs, CO 80907</u>	Date: <u>November 17, 2021</u> Re: <u>Town of Ramah Wastewater and Lift Station Site Applications</u>
Attn: _____	Job No.: <u>0043.0001</u> From: <u>Alice Arsenault, P.E.</u> Phone: <u>(303) 981-0453</u>

Via:

Mail
 Fax
 FedEx
 Courier
 Other

Item List:

Copies	Description
1	Town of Ramah Wastewater Treatment Plant 22.6 Site Application
1	Town of Ramah Lift Station 22.9 Site Application
1	Wastewater Treatment Plant and Lift Station 30 % Concept Plans
2	Forms for El Paso County Public Health Signature

These are transmitted:

For your approval For your use
 As requested For review and comment

Remarks

Please find the attached two site application reports. CDPHE Regulation 22 requires that local referral agencies be sent a copy of these reports to notify them of the project. By signing the attached "Applicant Certification and Review Agency Recommendation", the entity or agency: 1) acknowledges receipt of the proposed site location applications, 2) has reviewed the proposed site location applications and may elect to provide comments, and 3) has provided a recommendation concerning the applications to the Division.

Please return the attached forms to:
 Alice Arsenault
 Element Engineering
 12687 W Cedar Drive, Suite 300
 Lakewood, CO 80228
 alicea@elementengineering.net

TRANSMITTAL FORM

To: <u>El Paso County – Planning & Community Development</u> <u>2880 International Circle,</u> <u>Suite 110</u> <u>Colorado Springs, CO 80910</u>	Date: <u>November 17, 2021</u> Re: <u>Town of Ramah Wastewater and Lift Station Site Applications</u> Job No.: <u>0043.0001</u>
Attn: _____ _____	From: <u>Alice Arsenault, P.E.</u> Phone: <u>(303) 981-0453</u>

Via:

Mail
 Fax
 FedEx
 Courier
 Other

Item List:

Copies	Description
1	Town of Ramah Wastewater Treatment Plant 22.6 Site Application
1	Town of Ramah Lift Station 22.9 Site Application
1	Wastewater Treatment Plant and Lift Station 30 % Concept Plans
2	Forms for El Paso County Signature

These are transmitted:

For your approval For your use
 As requested For review and comment

Remarks
<p>Please find the attached two site application reports. CDPHE Regulation 22 requires that local referral agencies be sent a copy of these reports to notify them of the project. By signing the attached “Applicant Certification and Review Agency Recommendation”, the entity or agency: 1) acknowledges receipt of the proposed site location applications, 2) has reviewed the proposed site location applications and may elect to provide comments, and 3) has provided a recommendation concerning the applications to the Division.</p> <p>Please return the attached forms to: Alice Arsenault Element Engineering 12687 W Cedar Drive, Suite 300 Lakewood, CO 80228 alicea@elementengineering.net</p>

TRANSMITTAL FORM

To: <u>Pikes Peak Area Council of Governments</u> <u>15 S 7th Street</u> <u>Colorado Springs, CO 80905</u>	Date: <u>November 17, 2021</u> Re: <u>Town of Ramah Wastewater and Lift Station Site Applications</u>
Attn: _____	Job No.: <u>0043.0001</u> From: <u>Alice Arsenault, P.E.</u> Phone: <u>(303) 981-0453</u>

Via:

Mail
 Fax
 FedEx
 Courier
 Other

Item List:

Copies	Description
1	Town of Ramah Wastewater Treatment Plant 22.6 Site Application
1	Town of Ramah Lift Station 22.9 Site Application
1	Wastewater Treatment Plant and Lift Station 30 % Concept Plans
2	Forms for Pikes Peak Area Council of Governments Signature

These are transmitted:

For your approval
 For your use
 As requested
 For review and comment

Remarks
<p>Please find the attached two site application reports. CDPHE Regulation 22 requires that local referral agencies be sent a copy of these reports to notify them of the project. By signing the attached "Applicant Certification and Review Agency Recommendation", the entity or agency: 1) acknowledges receipt of the proposed site location applications, 2) has reviewed the proposed site location applications and may elect to provide comments, and 3) has provided a recommendation concerning the applications to the Division.</p> <p>Please return the attached forms to: Alice Arsenault Element Engineering 12687 W Cedar Drive, Suite 300 Lakewood, CO 80228 alicea@elementengineering.net</p>

**APPENDIX J
30% PLANS**

30% CONCEPT PLANS

TOWN OF RAMAH

WASTEWATER SYSTEM IMPROVEMENTS

0.015 MGD WASTEWATER TREATMENT PLANT

SECTION 1, TOWNSHIP 11S, RANGE 61W, 6TH PRINCIPAL MERIDIAN AND SECTION 1, TOWNSHIP 11S, RANGE 61W, 6TH P.M.

PREPARED FOR

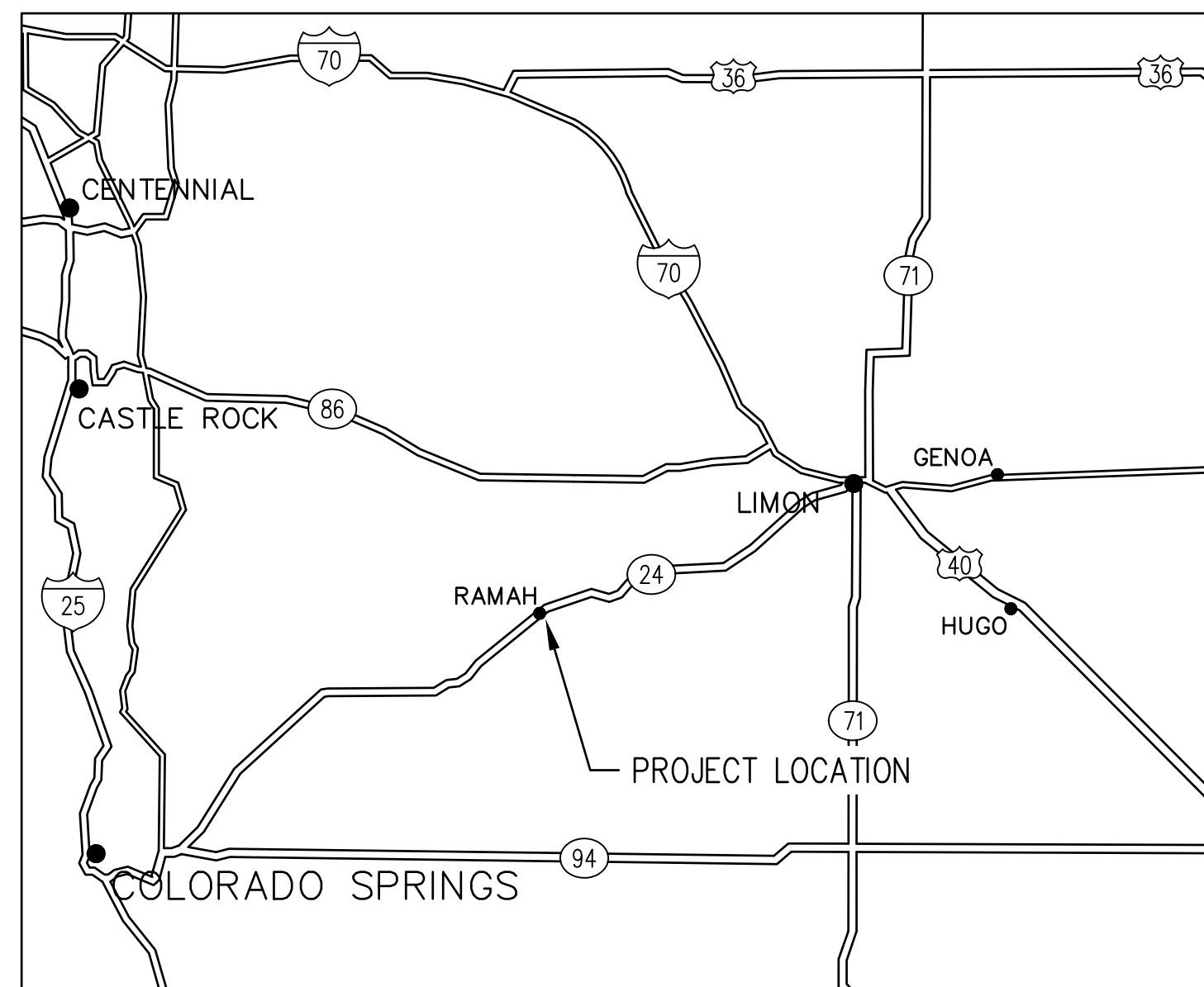
TOWN OF RAMAH
 DAN SOTOMAYOR, PUBLIC WORKS DIRECTOR
 719.322.7897
 113 S COMMERCIAL ST.
 RAMAH, CO 80832

EMERGENCY CONTACT

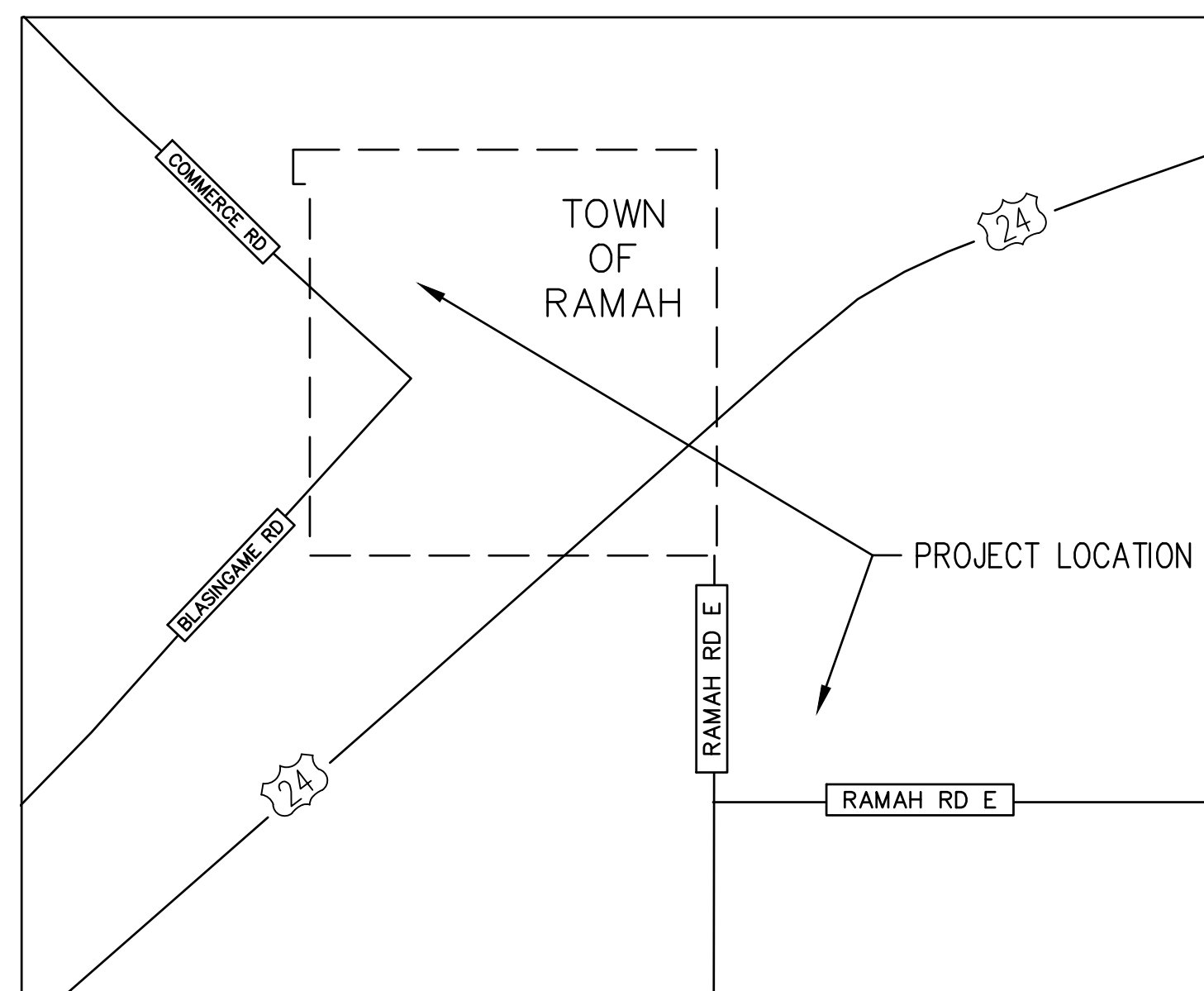
DAN SOTOMAYOR
 719.322.7897

ENGINEERING

ELEMENT ENGINEERING, LLC
 ALICE M. ARSENAULT, P.E.
 P.E. NO. 53350
 ELEMENT ENGINEERING, LLC
 12687 W. CEDAR DR., SUITE 300
 LAKEWOOD, CO 80228
 303.981.0453



LOCATION MAP
NTS



VICINITY MAP
NTS

SHEET INDEX	
CIVIL	
C1	COVER SHEET
C2	GENERAL NOTES
C3	PROCESS FLOW DIAGRAM
C4	SITE PLAN
C5	SITE PLAN 2
C6	SITE PLAN 3
C7	POND DETAILS
C8	LIFT STATION DETAILS
C9	LIFT STATION DETAILS 2
ARCHITECTURAL	
MECHANICAL	
ELECTRICAL	
STRUCTURAL	



NO.	REVISIONS DESCRIPTION	DATE	BY
1			

WASTEWATER TREATMENT PLANT
 COVER
 TOWN OF RAMAH
 113 S. COMMERCIAL STREET
 RAMAH, CO 80832

PREPARED UNDER THE DIRECT SUPERVISION OF

FOR AND ON BEHALF OF
 ELEMENT ENGINEERING, LLC
 DATE
 DECEMBER 2021
 JOB NUMBER
 0043.0001
 SCALE
 NTS
 EDITION

PERMITTING
 SHEET
 C1 of C9

NOTE:
 THESE PLANS ARE CONCEPT IN NATURE AND PREPARED IN SUPPORT OF A SITE APPLICATION SUBMITTAL.

GENERAL NOTES

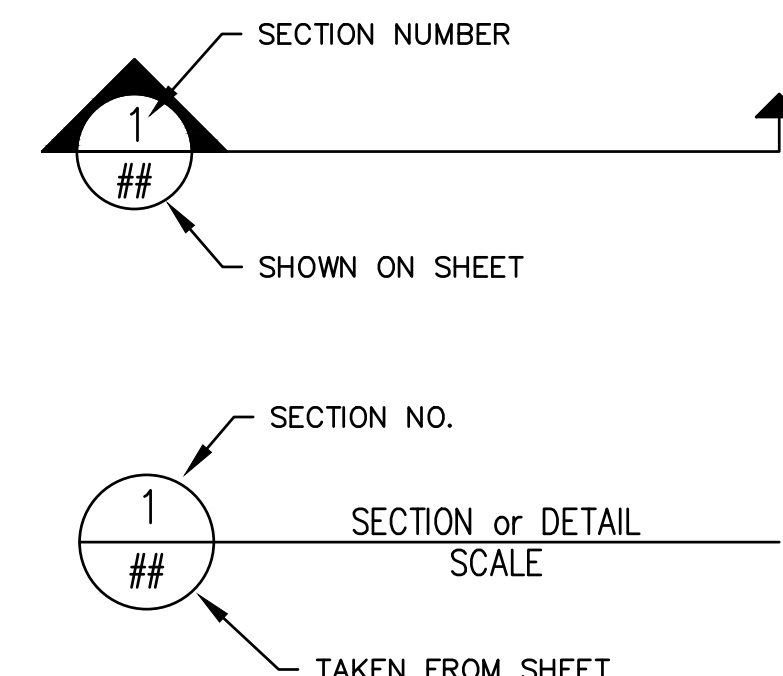
- ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- THE CONTRACTOR IS TO PROVIDE A DETAILED CONSTRUCTION SCHEDULE DELINEATING CONSTRUCTION MILESTONES AND THE NATURE OF WORK BEING PERFORMED. THE SCHEDULE SHALL DETAIL ACTIVITIES FROM THE START OF CONSTRUCTION THROUGH STARTUP. THIS SCHEDULE SHALL BE PROVIDED TO THE ENGINEER TWO (2) WEEKS PRIOR TO CONSTRUCTION AND UPDATED WEEKLY.
- THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DRAWINGS INCLUDING SUCH INCIDENTALS AS MAY BE NECESSARY TO MEET APPLICABLE AGENCY REQUIREMENTS AND PROVIDE A COMPLETED PROJECT.
- THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR AND EQUIPMENT AND PERFORM WORK SHOWN OR IMPLIED AS NECESSARY FOR THE COMPLETED LIFT STATION, PIPING, AND EVAPORATION PONDS, READY FOR USE.
- THE ENGINEER HAS ATTEMPTED TO LOCATE EXISTING SUBSURFACE UTILITIES. HOWEVER, SOME MAY EXIST THAT ARE NOT SHOWN. THE CONTRACTOR SHALL POTHOLE AS NECESSARY AND EXERCISE CARE IN HIS WORK SO AS TO AVOID DAMAGE TO ANY UTILITIES. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STAKING. ALL DIMENSIONS, ELEVATIONS, AND LOCATIONS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO BEGINNING THE WORK.
- ANY SUBSURFACE CONDITIONS ENCOUNTERED THAT ARE UNUSUAL OR DIFFERENT THAN THOSE INDICATED BY THE ENGINEER SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
- CONTRACTOR SHALL OBTAIN, AT HIS OWN EXPENSE, ALL PERMITS REQUIRED OF THIS WORK AND SHALL FAITHFULLY ADHERE TO THE ALL PERMIT REQUIREMENTS.
- TEMPORARY AND PERMANENT EROSION CONTROL STRUCTURE METHODS SHALL BE IN ACCORDANCE WITH COUNTY REGULATIONS AND ARE TO BE UTILIZED DURING CONSTRUCTION.
- ALL EROSION CONTROL STRUCTURES SHOWN OR AS REQUIRED DURING CONSTRUCTION SHALL BE CONTINUOUSLY MAINTAINED THROUGH WARRANTY PERIOD AND UNTIL RE-VEGETATION TAKES HOLD.
- CONTRACTOR SHALL CLEAN UP, SEED, AND RESTORE DISTURBED AREAS IMMEDIATELY UPON COMPLETION OF THE WORK IN THE AFFECTED AREA.
- ALL EXISTING FACILITIES SHALL BE MAINTAINED IN-PLACE BY THE CONTRACTOR UNLESS OTHERWISE SHOWN OR DIRECTED. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO SUPPORT, MAINTAIN, OR OTHERWISE PROTECT EXISTING UTILITIES AND OTHER FACILITIES AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR TO LEAVE EXISTING FACILITIES IN AN EQUAL OR BETTER-THAN-ORIGINAL CONDITION.
- THE CONTRACTOR SHALL ERECT AND MAINTAIN BARRICADES, WARNING SIGNS, CONES IN ACCORDANCE WITH STATE, LOCAL AND FEDERAL GUIDELINES TO ENSURE THE SAFETY OF WORKERS AND THE PUBLIC. ALL BARRICADES, SIGNS SHALL BE IN PLACE PRIOR TO THE BEGINNING OF ANY CONSTRUCTION ACTIVITY.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL FOR A TRAFFIC CONTROL PLAN. THE TRAFFIC CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY COUNTY AND THE OWNER'S REPRESENTATIVE.
- UNLESS OTHERWISE GRANTED PERMISSION BY THE OWNER IN WRITING, THE CONTRACTOR MUST ALLOW ACCESS TO ALL PROPERTIES FOR BOTH RESIDENTS AND EMERGENCY VEHICLES.
- THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE CLEANLINESS AND SAFETY OF ALL ROADWAYS ADJACENT TO THE PROJECT SITE. IF AT ANY TIME, THESE ROADWAYS ARE FOUND TO BE DANGEROUS OR NOT PASSABLE DUE TO DEBRIS OR MUD, THE COUNTY MAY SHUT THE PROJECT DOWN.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER OF ANY PROBLEM IN CONFORMING TO THE APPROVED PLANS FOR ANY ELEMENT OF THE PROPOSED IMPROVEMENTS PRIOR TO ITS CONSTRUCTION.
- BLUE STAKES - THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO AND THE FACILITY OPERATOR FOR LOCATION OF UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION, AS WELL AS ANY INDEPENDENT LOCATOR FOR PRIVATE LINES.
- THE CONTRACTOR SHALL NOTIFY THE INSPECTOR AT LEAST 48 HOURS PRIOR TO ANY DESIRED INSPECTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
- SURVEY MONUMENTS MUST BE SET WITHIN 60 DAYS OF COMPLETION OF THE PROJECT.
- SERVICE TRENCHES AND UTILITY MAIN TRENCHES SHALL BE COMPACTED THROUGHOUT THE DEPTH OF THE TRENCH PER THE SPECIFICATIONS.
- THE CONTRACTOR SHALL MAINTAIN ONE COMPLETE SET OF APPROVED DRAWINGS ON THE CONSTRUCTION SITE AT ALL TIMES WHEREON HE WILL RECORD ANY APPROVED DEVIATIONS IN THE CONSTRUCTION FROM THE APPROVED DRAWINGS AS WELL AS THE LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES. THESE FIELD RECORD DRAWINGS SHALL BE KEPT UP TO DATE AT ALL TIMES AND SHALL BE AVAILABLE FOR INSPECTION BY THE OWNER'S REPRESENTATIVE UPON REQUEST.
- UPON COMPLETION OF CONSTRUCTION AND PRIOR TO INITIAL ACCEPTANCE OF THE WORK, THE CONTRACTOR SHALL SUBMIT A CLEAN SET OF FIELD RECORD DRAWINGS CONTAINING ALL AS-BUILT INFORMATION TO THE ENGINEER. ALL INFORMATION SHOWN ON THE CONTRACTOR'S FIELD RECORD DRAWINGS SHALL BE SUBJECT TO VERIFICATION BY THE ENGINEER. IF SIGNIFICANT ERRORS OR DEVIATIONS ARE NOTED BY THE ENGINEER, AN AS-BUILT SURVEY PREPARED AND STAMPED BY A REGISTERED PROFESSIONAL LAND SURVEYOR SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE.

- ALL SUBMITTAL RECORDS ARE TO BE KEPT ONSITE AS WELL AS ALL DAILY INSPECTION REPORTS, INCLUDING, BUT NOT LIMITED TO, COMPACTION TESTS, CONCRETE TESTS, ETC.
- MEGALUGS AND CONCRETE THRUST BLOCKS WILL BE REQUIRED FOR ALL MAIN LINES.
- TRACER WIRE IS REQUIRED ON ALL PIPES. TRACER WIRE SHALL BE 10 GAUGE DIRECT BURY SOLID SINGLE STRAND COPPER WIRE WITH TEST STATIONS AS SHOWN ON THE PLANS.
- ALL BOLTS FOR ABOVE GRADE FITTINGS SHALL BE ASTM 316 STAINLESS STEEL.
- CONTRACTOR SHALL HAUL OFF AND DISPOSE OF ANY EXCESS SPOIL MATERIAL, ANY MISCELLANEOUS DEBRIS, AND ANY STRUCTURES, PIPING OR OTHER DEBRIS CALLED OUT TO BE DEMOLISHED AT HIS OWN EXPENSE. ALL MATERIAL MUST BE DISPOSED OF IN AN APPROVED OFFSITE LOCATION.
- PIPE, FITTINGS, AND ACCESSORIES SHALL BE HANDLED IN SUCH A MANNER THAT WILL ENSURE INSTALLATION IN SOUND, UNDAMAGED CONDITION. EQUIPMENT, TOOLS, AND METHODS USED IN HANDLING AND INSTALLING PIPE AND FITTINGS SHALL NOT DAMAGE THE PIPE AND FITTINGS.
- PRECAUTIONS SHALL BE TAKEN TO PREVENT FOREIGN MATERIAL FROM ENTERING THE PIPE DURING INSTALLATION. DEBRIS, TOOLS, CLOTHING, OR OTHER OBJECTS SHALL NOT BE PLACED IN OR ALLOWED TO ENTER THE PIPE. END OF LINES TO BE PLUGGED TO PREVENT DEBRIS OR ANIMALS FROM ENTERING PIPE.
- CUTTING SHALL BE DONE IN A NEAT MANNER, WITHOUT DAMAGE TO THE PIPE OR THE LINING. CUTS SHALL BE SMOOTH, STRAIGHT, AND AT RIGHT ANGLES TO THE PIPE AXIS. AFTER CUTTING, THE ENDS OF THE PIPE SHALL BE DRESSED WITH A FILE OR POWER GRINDER TO REMOVE ALL ROUGHNESS AND SHARP EDGES. THE CUT ENDS OF PUSH-ON JOINT PIPE SHALL BE SUITABLY BEVELED.
- NO DEFLECTION SHALL BE PERMITTED ON INTERIOR PIPE AND FITTINGS.
- DIAMETRICALLY OPPOSITE NUTS SHALL BE TIGHTENED PROGRESSIVELY AND EVENLY. FINAL TIGHTENING SHALL BE DONE WITH A TORQUE LIMITING WRENCH SET FOR THE TORQUE RECOMMENDED BY THE MANUFACTURER FOR ALL FITTINGS AND SERVICE SADDLES.
- BEFORE THE JOINT IS ASSEMBLED, THE FLANGE FACES SHALL BE THOROUGHLY CLEANED OF ALL FOREIGN MATERIAL WITH A POWER WIRE BRUSH. THE GASKET SHALL BE CENTERED AND THE CONNECTING FLANGES DRAWN UP WATERTIGHT WITHOUT UNNECESSARY STRESSING OF THE FLANGES. ALL BOLTS SHALL BE TIGHTENED IN A PROGRESSIVE DIAMETRICALLY OPPOSITE SEQUENCE USING TORQUE WRENCHES AT SETTINGS RECOMMENDED BY THE MANUFACTURER. WHERE DISSIMILAR FLANGES ARE CONNECTED, AN INSULATING CONNECTION SHALL BE PROVIDED.
- ALL JOINTS SHALL BE WATERTIGHT AND FREE FROM LEAKS. EACH LEAK WHICH IS DISCOVERED WITHIN THE CORRECTION PERIOD STIPULATED IN THE GENERAL PROVISIONS SHALL BE REPAIRED BY AND AT THE EXPENSE OF THE CONTRACTOR.
- ALL CONTRACTOR INSTALLED PIPE, FITTINGS, VALVES, PIPE JOINTS, AND OTHER MATERIALS WHICH ARE FOUND TO BE DEFECTIVE SHALL BE REMOVED AND REPLACED WITH NEW AND ACCEPTABLE MATERIALS, AND THE AFFECTED PORTION OF THE PIPING RETESTED BY AND AT THE EXPENSE OF THE CONTRACTOR.
- FLEXIBLE COUPLINGS AND FLANGE ADAPTERS SHALL BE DESIGNED TO RELIEVE STRESS IN PIPELINES DUE TO THERMAL EXPANSION/CONTRACTION, DIFFERENTIAL SETTLEMENT OR MISALIGNMENT AND MECHANICAL VIBRATION. FLEXIBLE COUPLINGS SHALL CONSIST OF A SLEEVE WHICH SHALL FIT OVER THE ENDS OF THE TWO PIPE SECTIONS TO BE JOINED. THE COUPLING SHALL FORM A WATER TIGHT SEAL BY COMPRESSING RESILIENT WEDGE-SHAPED GASKETS BETWEEN THE ENDS OF THE SLEEVE AND THE PIPE SECTIONS. THE GASKETS SHALL BE COMPRESSED BY TWO RETAINER RINGS BOLTED TO ONE ANOTHER ON THE OUTSIDE OF THE COUPLING SLEEVE. FLANGE ADAPTERS SHALL BE EQUIVALENT TO FLEXIBLE COUPLINGS EXCEPT THAT ONE RETAINER RING AND GASKET SHALL BE REPLACED WITH A FLANGED CONNECTION ON THE COUPLING SLEEVE.
- ALL VALVES SHALL HAVE THE MANUFACTURER AND SIZE OF THE VALVE VISIBLY CAST ON THE BODY OR ON A PLATE ATTACHED TO THE BODY OF THE VALVE. VALVES AND REQUIRED OPERATING APPURTENANCES SHALL BE THE PRODUCT OF THE SAME MANUFACTURER. VALVE SEALS SHALL BE ABLE TO PROVIDE TIGHT CLOSURE AND PREVENT METAL-TO-METAL CONTACT. VALVES SHALL OPEN RIGHT.
- VALVE COMPONENTS SHALL WITHSTAND THE ENVIRONMENTAL CONDITIONS AND PROVIDE CONTINUOUS TROUBLE-FREE SERVICE.
- ALL MATERIALS AND WORKMANSHIP FOR SANITARY SEWER CONSTRUCTION SHALL CONFORM TO THE LATEST LINCOLN COUNTY STANDARDS AND SANITARY SEWER CONSTRUCTION DETAILS AND TECHNICAL SPECIFICATIONS, CDPHE AND ALL OTHER APPLICABLE AGENCIES.
- ALL DIRECT BURY SEWER MAINS SHALL BE PVC, ASTM D-3034, SDR35 OR APPROVED EQUAL, UNLESS OTHERWISE NOTED.
- SEWER LINES SHALL BE 10 FEET FROM WATER LINES EXCEPT WHEN CROSSING EACH OTHER. FOR SEWER LINES THAT CROSS LESS THAN 1 1/2 FEET VERTICALLY FROM WATER LINES, THE CLOSEST SANITARY SEWER JOINT SHALL BE A MINIMUM OF 6 FEET FROM THE CROSSING.
- ALL MANHOLES SHALL BE WATER TIGHT PRECAST CONCRETE, A MINIMUM OF 48 INCH IN DIAMETER WITH CONCENTRIC CONE, 24 INCH CAST IRON RING (8" DEPTH) AND COVER, UNLESS OTHERWISE SPECIFIED. CONCRETE ADJUSTMENT RINGS SHALL BE USED FOR ADJUSTMENT TO MATCH FINAL SURFACE ELEVATIONS AND SET IN MASTIC TO OBTAIN A WATER TIGHT SEAL. CONCRETE ADJUSTMENT RINGS SHALL BE 4" MINIMUM IN DEPTH TO ELIMINATE MULTIPLE JOINTS.
- SEWER RIM ELEVATIONS AND INVERTS SHOWN ARE APPROXIMATE ONLY AND ARE NOT TO BE TAKEN AS FINAL ELEVATIONS.
- THE CONTRACTOR TO VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL TIE IN POINTS AND INVERTS PRIOR TO CONSTRUCTION AND PROVIDE THE DATA TO THE TOWN ENGINEER.
- PIPE BEDDING SHALL BE CLASS "B" AND SHALL CONFORM TO ASTM C-33 OR

- D-448 GRADATION NO. 6 OR NO. 67. SQUEEGEE BEDDING IS PREFERRED. BEDDING DEPTH SHALL BE 6" UNDER AND AROUND THE SIDES OF THE PIPE AND 12" OVER THE PIPE. CONSOLIDATION IN PIPE ZONE SHALL BE BY HAND TAMPING.
- AT LEAST 5 DAYS PRIOR TO THE START OF CONSTRUCTION, A PRE-CONSTRUCTION MEETING WILL BE HELD AT THE TOWN'S OFFICE AND ATTENDED BY THE CONTRACTOR AND REPRESENTATIVES OF THE OTHER APPROVING AGENCIES. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE TOWN ENGINEER TO SCHEDULE THIS MEETING.
- THE CONTRACTOR WILL IDENTIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR WILL REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN ONE COMPLETE SET OF APPROVED DRAWINGS ON THE CONSTRUCTION SITE AT ALL TIMES WHEREON HE WILL RECORD ANY APPROVED DEVIATIONS IN THE CONSTRUCTION FROM THE APPROVED DRAWINGS AS WELL AS THE LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES. THESE FIELD RECORD DRAWINGS SHALL BE KEPT UP TO DATE AT ALL TIMES AND SHALL BE AVAILABLE FOR INSPECTION BY THE OWNER'S REPRESENTATIVE UPON REQUEST.
- ALL MANHOLES SHALL HAVE SHAPED INVERTS.
- ALL SEWER LINES SHALL BE TESTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS PRIOR TO INITIAL ACCEPTANCE OR ANY CONNECTION TO AN EXISTING SEWER LINE. THE MAXIMUM "BELLY" ON LOW SPOTS IN THE NEW SEWER MAIN SHALL NOT EXCEED 3/8 INCHES.
- ALUMINUM FOIL WARNING TAPE SHALL BE USED FOR ALL NEW DIRECT BURY SEWER MAINS. THE TAPE WILL BE INSTALLED 2' BELOW FINISHED GRADE. TAPE MUST BE GREEN IN COLOR.
- FERNCO STRONGBACK RC SERIES PIPE COUPLINGS WILL BE REQUIRED FOR PIPE AND LATERAL SERVICES.
- ALL BARREL SECTIONS OF MANHOLES SHALL BE GROUTED INSIDE AT JOINTS.
- SHOULD TRENCH DE-WATERING BECOME NECESSARY, THE CONTRACTOR WILL OBTAIN ALL REQUIRED PERMITS AND SUPPLY THE PUMPS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
- THE OPENING OR CHANNEL IN THE MANHOLE MUST BE NO LESS THAN THE DIAMETER OF THE PIPE, AND NO LESS THAN THE MANHOLE DIAMETER MINUS 4 INCHES IN LENGTH TO ACCOMMODATE EQUIPMENT NECESSARY TO MAINTAIN THE SEWER LINE.
- ALL MANHOLE AND SANITARY SEWER MAIN TESTING SHALL BE WITNESSED BY A REPRESENTATIVE OF THE TOWN. A MINIMUM OF 24 HOURS ADVANCED NOTICE IS REQUIRED PRIOR TO TESTING.
- ALL MANHOLE/VAULT EXTERIOR JOINTS SHALL BE WRAPPED IN 12-INCH WIDE CONSEAL CS 212 OR APPROVED EQUIVALENT.
- MANHOLE/VAULT BARREL SECTIONS WILL REQUIRE AN EXTERIOR COATING OF TNEC SERIES 46-46S OR APPROVED EQUIVALENT.
- ALL PRECAST CONCRETE SHALL BE 4,000 PSI MINIMUM STRENGTH.
- ALL EXISTING PIPING INTO EXISTING MANHOLES MUST BE RECONNECTED IN NEW MANHOLES.
- WHERE FILL IS REQUIRED BY THE DRAWINGS, THE EXISTING VEGETATION AND TOPSOIL SHALL BE FULLY REMOVED AND THE SURFACE SCARIFIED PER THE SPECIFICATIONS TO PROVIDE FOR ADEQUATE BONDING OF THE FILL.
- FILL SHALL BE PLACED TO MATCH THE CONTOURS SHOWN ON THE DRAWINGS. ALL BERM CONSTRUCTION AND OVERLOT GRADING SHALL BE UNDERTAKEN SUCH THAT THE CORNERS ARE ROUNDED AND BLENDED INTO THE EXISTING TOPOGRAPHY. NEW ELEVATION CONTOURS INDICATE FINAL SURFACE ELEVATIONS.
- GRADING OF THE WASTEWATER TREATMENT PLANT SITE TOGETHER WITH THE GRADING AROUND MANHOLES AND STRUCTURES THAT HAVE THEIR RINGS AND COVERS INSTALLED ABOVE GRADE SHALL BE FINALIZED SUCH THAT ALL AREAS DRAIN FREELY AWAY FROM THE TREATMENT CELLS AND STRUCTURES. COORDINATE WITH THE ENGINEER AND OWNER TO ENSURE THAT THIS CONDITION IS MET.
- ALL EQUIPMENT AND MATERIAL IS TO BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS. ALL EQUIPMENT STARTUP SHALL BE PROVIDED BY A MANUFACTURER APPROVED FIELD REPRESENTATIVE. MANUFACTURER FIELD TRAINING FOR THE OPERATIONS STAFF SHALL ALSO BE PROVIDED AT EITHER THE TIME OF STARTUP OR AT ANOTHER TIME AS APPROVED BY THE OPERATOR.
- THE CONTRACTOR SHALL FURNISH AND INSTALL 12" X 24" SIGNS AS DIRECTED BY THE ENGINEER ON THE PERIMETER FENCING. THE GENERAL SPACING IS 200-FT CENTERS. THE SIGNS SHALL BE MADE FROM 20 GAUGE ALUMINUM SHEET METAL WITH A PAINTED WHITE BACKGROUND AND RED LETTERING. THE SIGNS SHALL READ AS FOLLOWS:

DANGER - KEEP OUT
WASTEWATER TREATMENT FACILITY
- THE BASE BID ON THE PROJECT INCLUDES A BID ITEM CALLING FOR FURNISHING AND INSTALLING 6-INCHES OF SAND OVER THE BOTTOM OF THE NEW CELLS. THE SAND IS BEING INSTALLED TO MAINTAIN THE INTEGRITY OF THE LINER WHEN MINIMAL TO NO WATER IS CONTAINED WITHIN THE CELL. THE CONTRACTOR WILL NEED TO USE EXTREME CARE IN THE PLACEMENT OF THE MATERIAL TO MAINTAIN THE INTEGRITY OF THE NEW LINER. ANY TEARS OR DAMAGE TO THE LINER SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

CIVIL/ARCHITECTURAL/PROCESS SYMBOLS LIBRARY



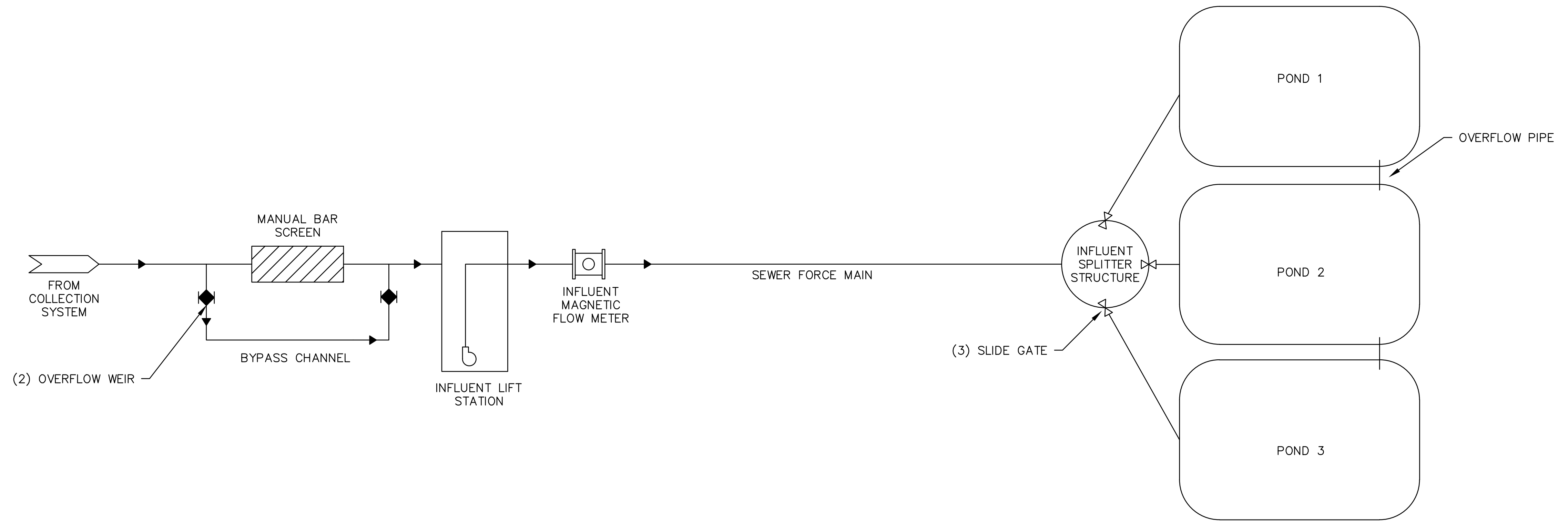
ABBREVIATIONS

ARVB	AIR RELIEF VACUMBREAKER VALVE	MH	MANHOLE
BEG	BELOW EXISTING GRADE	N	NORTH
BFV	BUTTERFLY VALVE	NE	NORTHEAST
CL	CENTERLINE	NW	NORTHWEST
CMP	CORRUGATED METAL PIPE	OH	OVERHEAD
DIA. OR Ø	DIAMETER	PVC	POLYVINYL CHLORIDE
E	EAST	RAD OR R	RADIUS
EA	EACH	RPP	REINFORCED POLYPROPYLENE
ELEC	ELECTRICAL LINE	S	SOUTH
EOA	EDGE OF ASPHALT	SE	SOUTHEAST
EXIST. OR EX.	EXISTING	SW	SOUTHWEST
INV	INVERT	T.O.P.	TOP OF PIPE
L.P.	LOW POINT	UON	UNLESS OTHERWISE NOTED
FM	FORCE MAIN		

NO.	DATE	BY	REVISIONS DESCRIPTION

WASTEWATER TREATMENT PLANT
 GENERAL NOTES
 TOWN OF RAMAH
 113 S. COMMERCIAL STREET
 RAMAH, CO 80852

PREPARED UNDER THE DIRECT SUPERVISION OF



NO.	REVISIONS	DATE	BY
	DESCRIPTION		

WASTEWATER TREATMENT PLANT
PROCESS FLOW DIAGRAM
 TOWN OF RAMAH
 113 S. COMMERCIAL STREET
 RAMAH, CO 80832

PREPARED UNDER THE DIRECT SUPERVISION OF

FOR AND ON BEHALF OF
 ELEMENT ENGINEERING, LLC

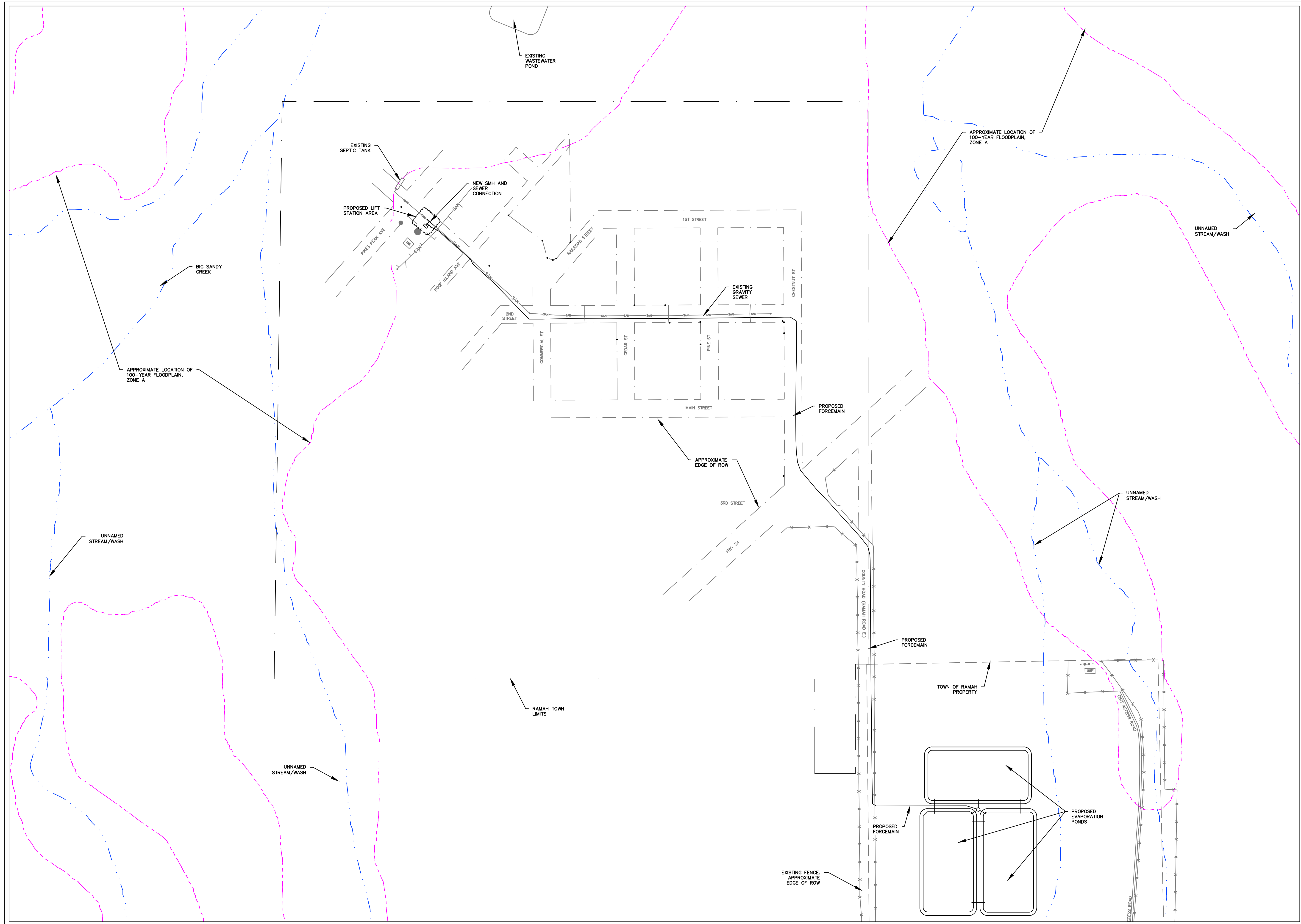
DATE
 DECEMBER 2021

JOB NUMBER
 0043.0001

SCALE
 NTS

EDITION
 PERMITTING

SHEET
 C3 of C9



NO.	REVISIONS	DESCRIPTION	DATE	BY
1	SITE APPLICATION AMENDMENT		2.14.2022	

WASTEWATER TREATMENT PLANT
SITE PLAN
 TOWN OF RAMAH
 113 S. COMMERCIAL STREET
 RAMAH, CO 80832

PREPARED UNDER THE DIRECT SUPERVISION OF

FOR AND ON BEHALF OF
 ELEMENT ENGINEERING, LLC

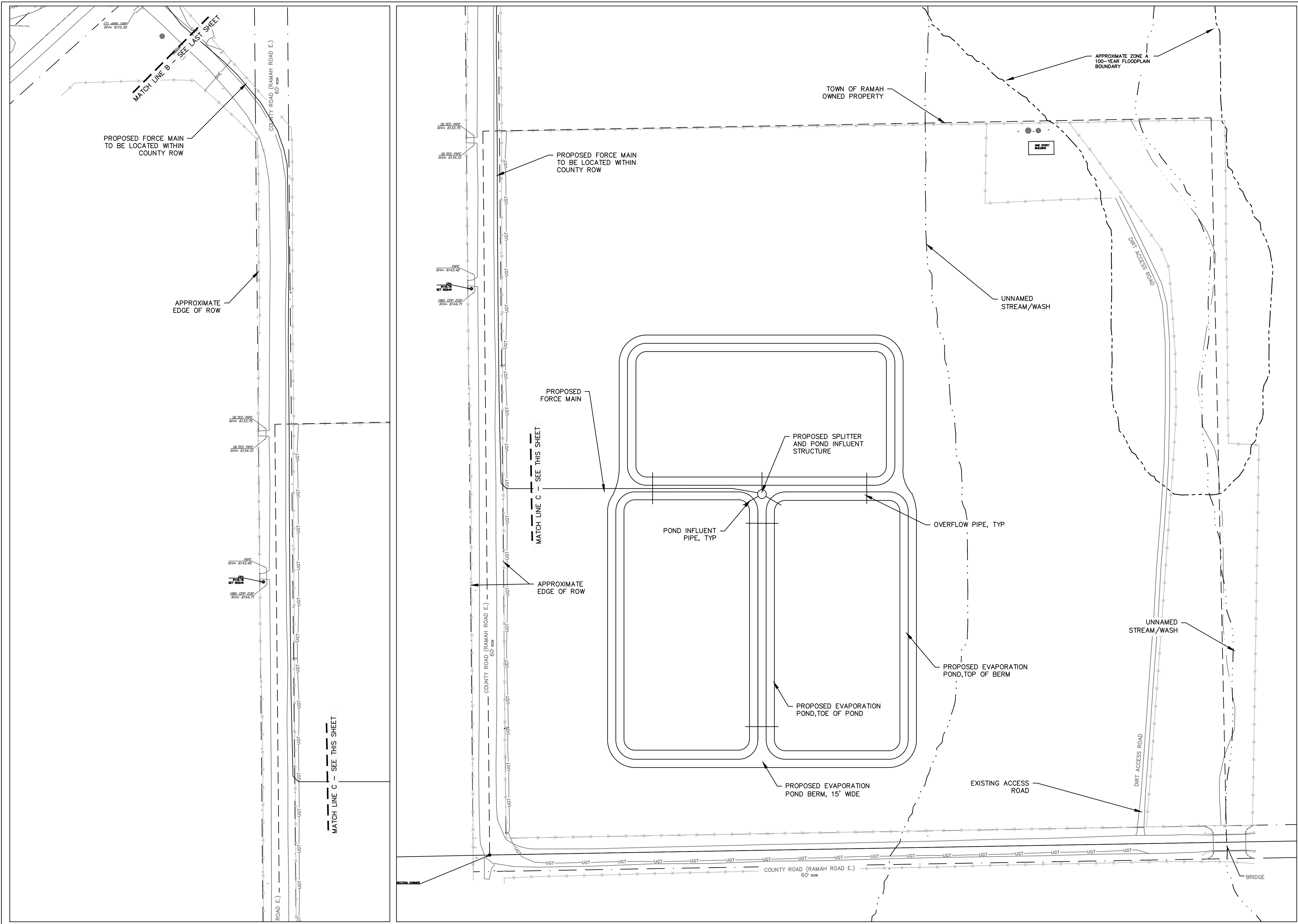
DATE
 DECEMBER 2021

JOB NUMBER
 0043.0001

SCALE
 1" = 200'

EDITION
PERMITTING

SHEET
 C4 of C9



WASTEWATER TREATMENT PLANT

SITE PLAN

TOWN OF RAMAH
113 S. COMMERCIAL STREET
RAMAH, CO 80832

ELEMENT ENGINEERING LLC

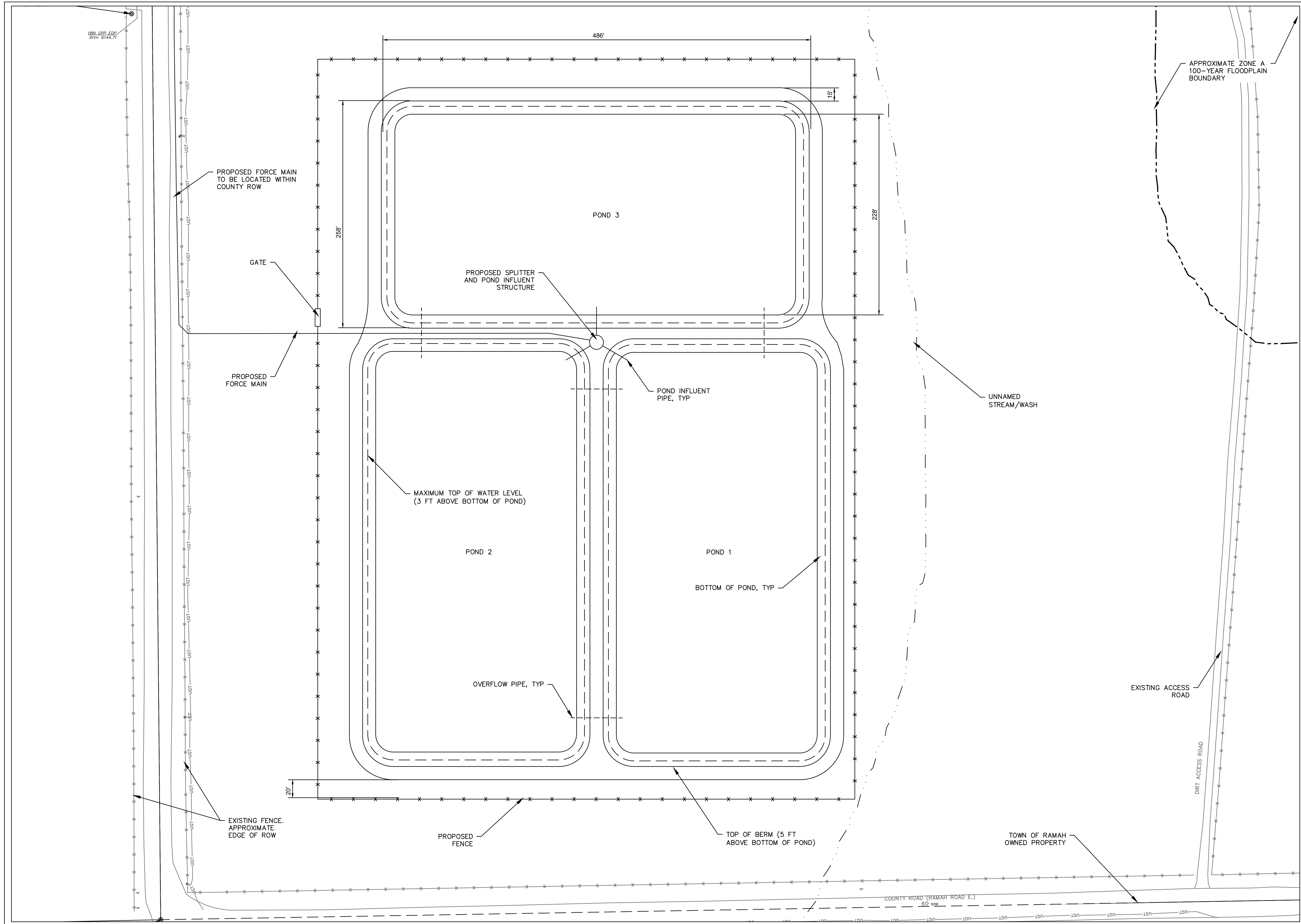
12687 W. CEDAR DRIVE, SUITE 300
LAKEWOOD, CO 80228

720.749.4165
WWW.ELEMENTENGINEERING.NET

NO.	REVISIONS	DATE	BY

PREPARED UNDER THE DIRECT SUPERVISION OF

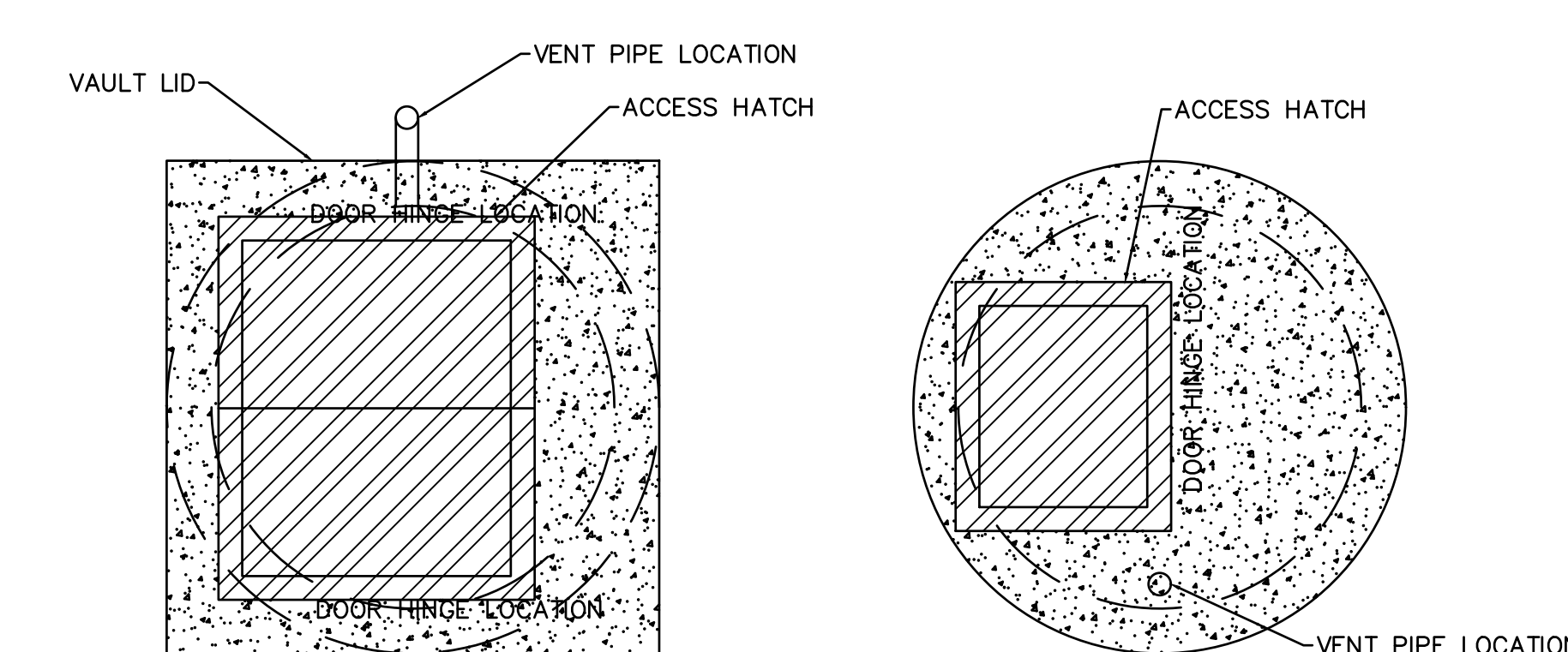
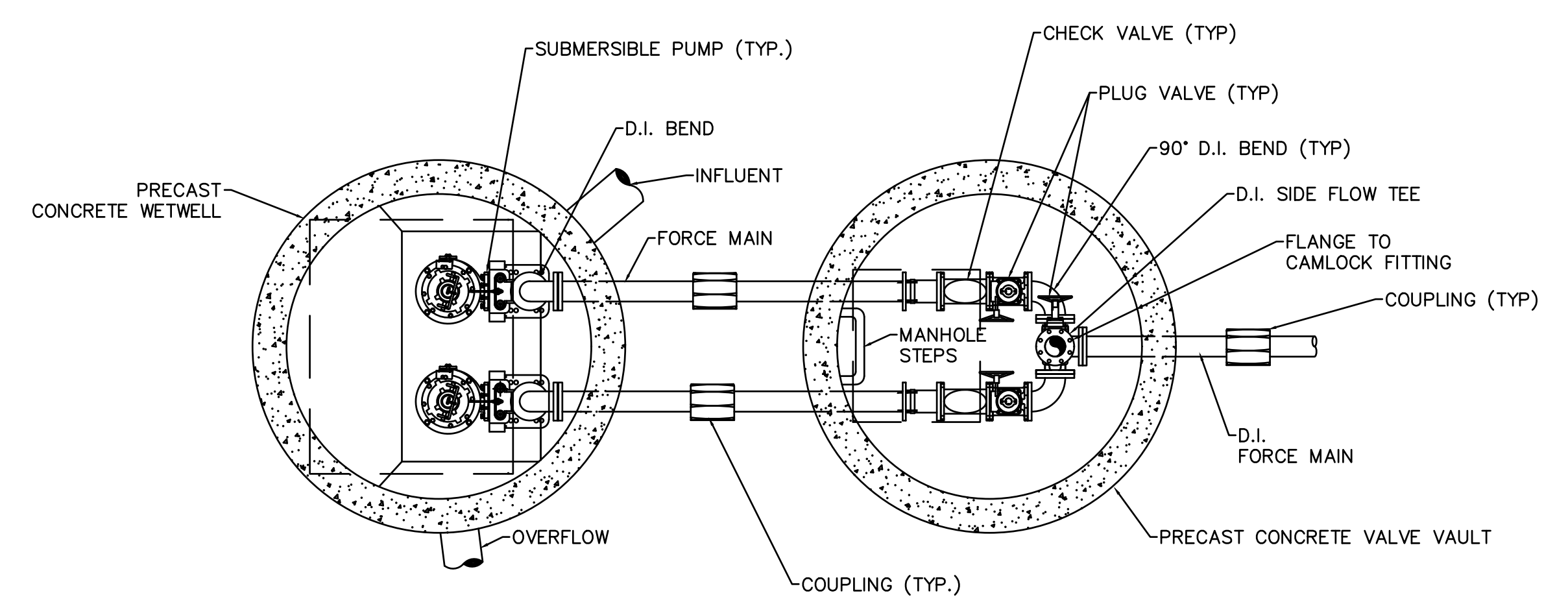
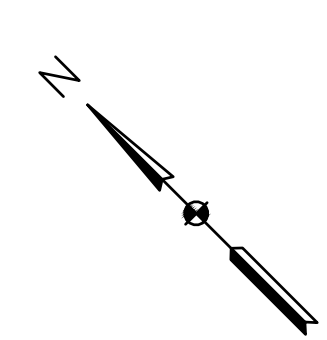
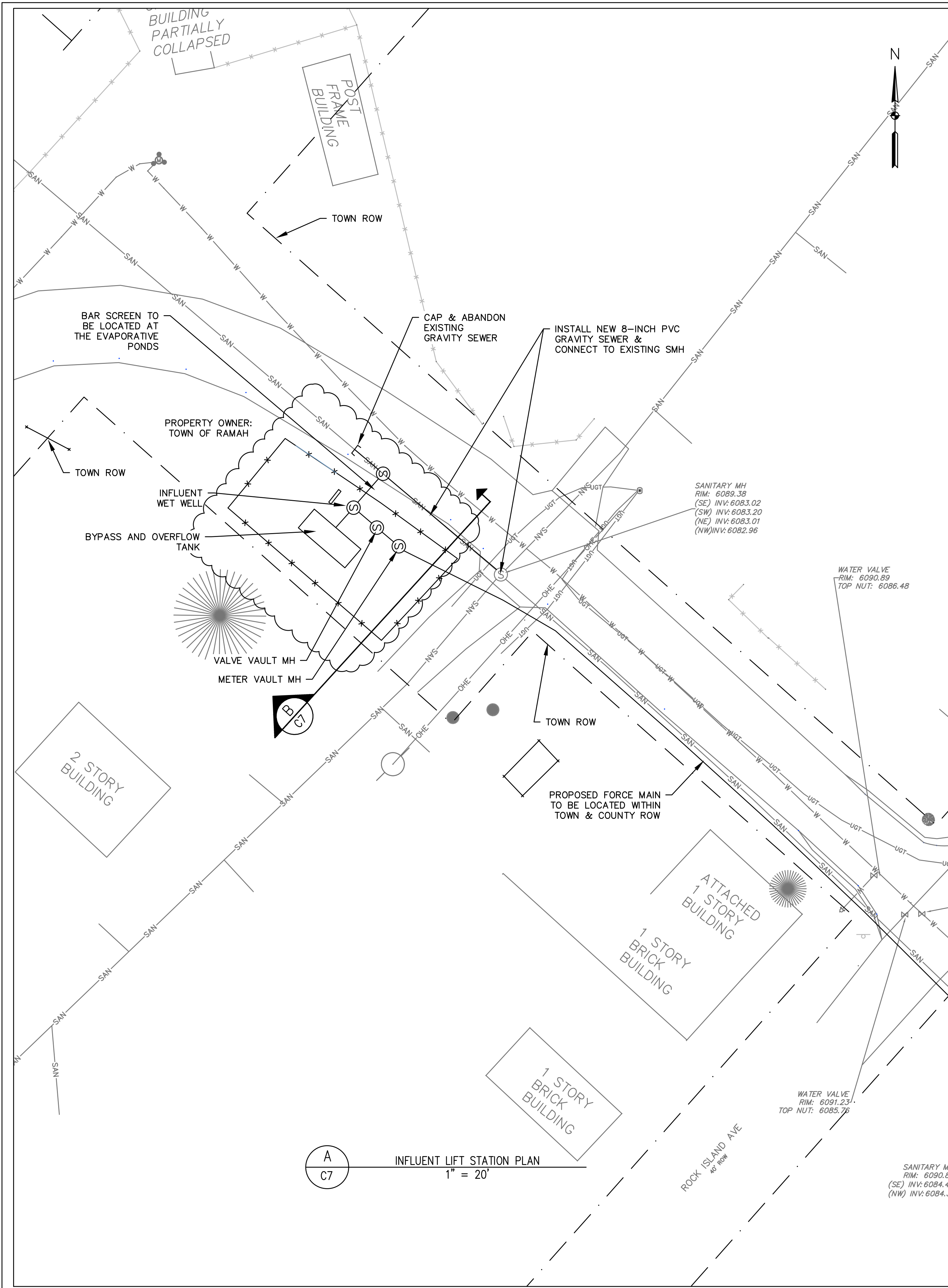
FOR AND ON BEHALF OF ELEMENT ENGINEERING, LLC	DATE DECEMBER 2021
	JOB NUMBER 0043.0001
	SCALE 1" = 80'
	EDITION PERMITTING
SHEET C6	OF C9



NO.	REVISIONS	DATE	BY
1	SITE APPLICATION AMMENDMENT	2.14.2022	

WASTEWATER TREATMENT PLANT
POND DETAILS
 TOWN OF RAMAH
 113 S. COMMERCIAL STREET
 RAMAH, CO 80832

PREPARED UNDER THE DIRECT SUPERVISION OF
 FOR AND ON BEHALF OF
 ELEMENT ENGINEERING, LLC
 DATE
 DECEMBER 2021
 JOB NUMBER
 0043.0001
 SCALE
 1" = 50'
 EDITION
PERMITTING
 SHEET
 C7 of C9



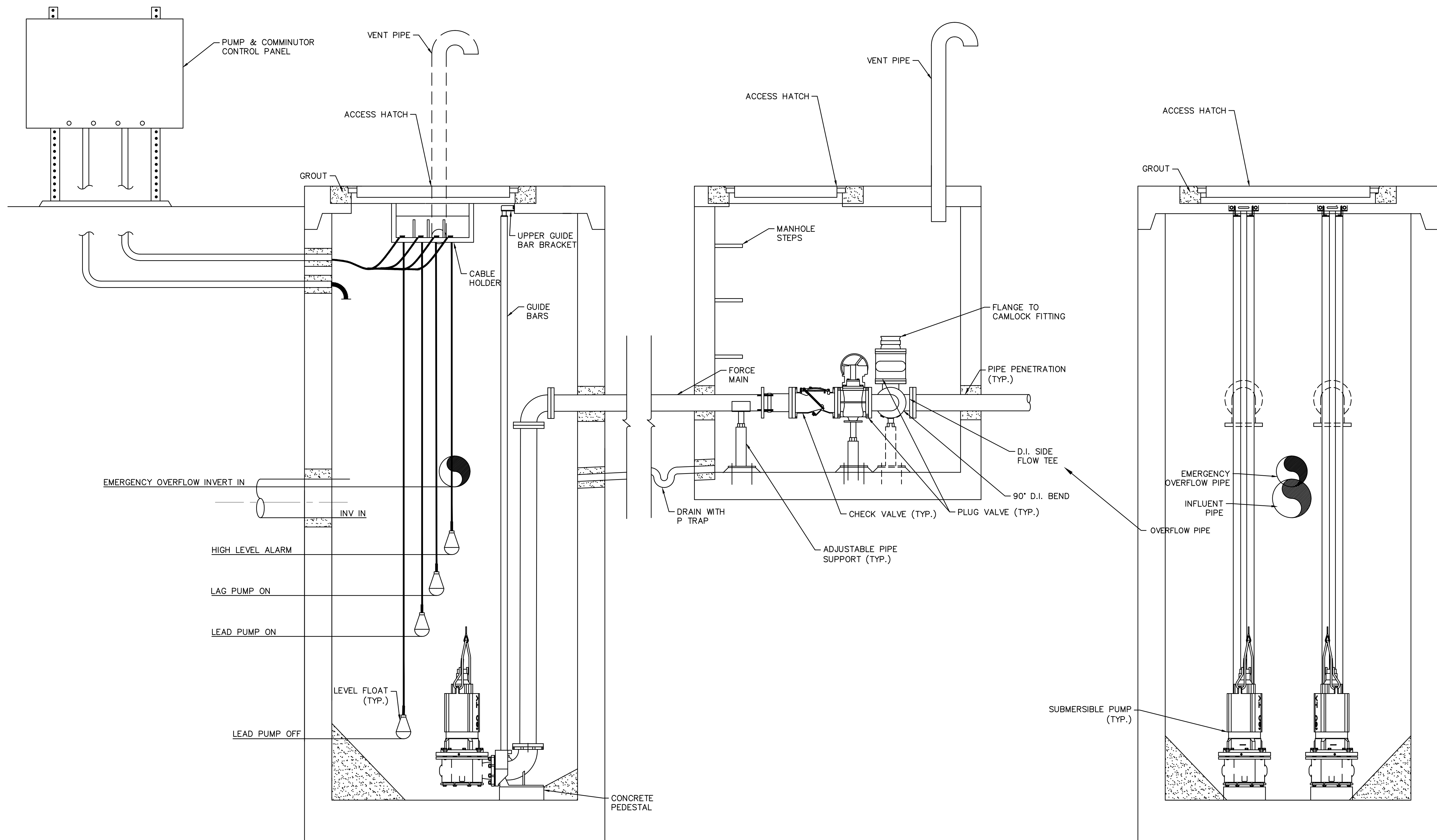
NO.	REVISIONS	DESCRIPTION	DATE	BY
1	SITE APPLICATION AMENDMENT		2.14.2022	

WASTEWATER TREATMENT PLANT
LIFT STATION DETAILS
TOWN OF RAMAH
113 S. COMMERCIAL STREET
RAMAH, CO 80832

PREPARED UNDER THE DIRECT SUPERVISION OF

DATE	DECEMBER 2021
JOB NUMBER	0043.0001
SCALE	VARRIES
EDITION	PERMITTING
SHEET	C8 of C9

FOR AND ON BEHALF OF
ELEMENT ENGINEERING, LLC



A
C8 INFLUENT LIFT STATION MANHOLE DETAILS
1" = 1'

NO.	REVISIONS	DESCRIPTION	DATE	BY
1	SITE APPLICATION AMENDMENT		2.14.2022	

WASTEWATER TREATMENT PLANT
LIFT STATION DETAILS
 TOWN OF RAMAH
 113 S. COMMERCIAL STREET
 RAMAH, CO 80832

PREPARED UNDER THE DIRECT SUPERVISION OF



June 15, 2022

Dan Sotomayor, Administrative Contact
Town of Ramah
113 S Commercial Street
Ramah, Colorado, 80832

Subject: Lift Station Site Location Approval
Regulation 22 Site Location No.: ES.21.SA.06507
Town of Ramah, New Lift Station
Colorado Discharge Permit System (CDPS) No. N/A (COELPASO)
El Paso County
ES Project No. ES.20.SRF.05878 (2020 Updated PNA), GLU Project No. 170501W-Q

Dear Dan Sotomayor:

The Water Quality Control Division (Division) has received and reviewed the site location application for the Town of Ramah's new lift station. The lift station is to be located as follows: The SW 1/4 of the SW 1/4 of Section 1, Township 11, Range 61W, El Paso County. The force-main will discharge to the Town's proposed evaporation ponds.

The site location application has been found to be in conformance with the Water Quality Control Commission's *Site Location and Design Regulations for Domestic Wastewater Treatment Works, 5 CCR 1002-22* (Regulation 22) and is therefore approved. This site location approval addresses the following summary of the proposed design:

1. Based upon application information, the lift station will be designed to convey the following:
 - Hydraulic Design Capacity - 42 gpm (firm pumping capacity - capacity with the largest unit out of service)
2. The project consists of the following:
 - New lift station including, new wetwell, new pumps, odor control, approximately 4,600-feet of 4-inch force main, connection to existing collection system, back-up/emergency power located at the lift station, emergency storage, and electrical and instrumentation (alarms and monitoring).

This site location approval does not constitute design approval for construction. In accordance with Regulation 22, Section 22.13(1), in addition to approval of the site location application, the applicant must obtain approval of the design of the treatment works from the Division prior to beginning construction.

This site location approval will expire on December 15, 2023. If construction has not commenced by this date, the approval will expire and a new application for site location approval may be required. Construction is defined as entering into a contract for the erection or physical placement of materials, equipment, piping, earthwork or buildings which are to be a part of a treatment works. In cases where the applicant elects to use in-house work forces, construction shall be considered to begin when any actions are initiated towards the previous activities.

In accordance with Regulation 22, Section 22.4(12), this site location approval is subject to appeal pursuant to the State Administrative Procedures Act.

This approval does not relieve the applicant/owner from compliance with all local, state, and federal regulations prior to construction nor from responsibility for proper engineering, construction and operation of the treatment works.



The Engineering Section is interested in gaining feedback about your experience during the engineering review process. We would appreciate your time to complete a Quality-of-Service Survey regarding your experience during the engineering review process leading up to issuance of this decision letter. The Engineering Section will use your responses and comments to identify strengths, target areas for improvement, and evaluate process improvements to better serve your needs. Please take a moment to fill out our survey [here](#).

If you should have any questions, please contact Jeffrey Hlad by phone at 303-692-6276 or by email at Jeffrey.Hlad@state.co.us.

Sincerely,

Bret Icenogle, P.E.
Engineering Section Manager
Water Quality Control Division
Colorado Department of Public Health and Environment

cc: Cindy Tompkins, Town of Ramah
Nick Marcotte, Element Engineering LLC
Alice Arsenault, Element Engineering LLC
Lisa Lemmon, El Paso County Public Health Department
Catherine McGarvy, El Paso County Public Health Department
Mike McCarthy, El Paso County Public Health Department
Samantha Bailey, Pikes Peak Area Council of Government
Andrew Gunning, Pikes Peak Area Council of Government
Doug Camrud, WQCD Engineering Review Unit Manager
Jeff Zajdel WQCD Grants and Loans Unit Project Manager
Mandy Mercer, WQCD Clean Water Enforcement Unit
David Kurz, WQCD ES Lead Wastewater Engineer

**TOWN OF RAMAH
WASTEWATER TREATMENT SYSTEM IMPROVEMENTS PROJECT
22.6 & 22.9 SITE APPLICATION AMMENDMENT
FEBRUARY 2022**



MEMORANDUM

TO: El Paso County Community Planning & Development, El Paso County Board of Public Health, Pikes Peak Area Council of Governments, CDPHE

FROM: Element Engineering

DATE: February 28, 2022

SUBJECT: 22.6 and 22.9 Site Application Submittal Amendment

Element Engineering, on the behalf of the Town of Ramah, CO, submitted the 22.6 and 22.9 Site Application Submittals to the Colorado Department of Public Health and Environment (CDPHE), Pikes Peak Area Council of Governments (PPACG) Water Quality Management Committee & Site Application Review Committee on January 19th, 2022.

An amendment to the 22.6 and 22.9 site applications is required for the relocation of the proposed influent lift station. The original 22.6 and 22.9 site applications proposed the influent lift station location at the town owned undeveloped parcel located between Rock Island Ave, Commercial Street and Railroad St with the parcel number 1101100023. The lift station is proposed to be relocated to within the town ROW along Pikes Peak Ave, approximately 200 feet to the southeast of the existing town septic tank influent structure. This memorandum documents the amendment to the following 22.6 and 22.9 site application sections regarding the lift station relocation:

22.6 Site Application

- Section 3.1 – Project Location & Service Area ; Figure 2 – Proposed Project Location

Replace this figure with the Figure 1 in Attachment A attached with this memorandum.

- Section 10 – Legal and Institutional Arrangements; Paragraph 1:

“The lift station will be located on existing Town right-of-way along Pikes Peak Ave, located approximately 200 feet to the southeast of the existing influent septic tank structure. The sewer force main will be constructed in town and county right-of-way.”

- Appendix B, figure 8 – “Town of Ramah Project Location”:

Replace this figure with Figure 1 in Attachment A attached with this memorandum.

- Appendix J – 30% Conceptual Plans

Replace the 30% Concept Plans set with the revised 30% Plan set in Attachment B attached with this memorandum.

22.9 Site Application

- Section 1 – Introduction; Paragraph 2:

“The proposed lift station will be located on existing Town right-of-way (ROW) along Pikes Peak Ave, approximately 200 feet south of the existing influent septic tank. The proposed sewer force main will be located in town and county right-of-way.”

- Section 2.1.3 – Local Water Bodies, Stream and Rivers; Paragraph 1:

“The water body near the project site are Big Sandy Creek and Antelope Creek, which flow approximately 750 feet north of the proposed lift station.

- Section 2.6 – Legal Control of Site:

“The proposed lift station will be located on existing Town right-of-way along Pikes Peak Ave, approximately 200 feet to the southeast of the existing influent septic tank.”

- Section 3 – Project Design Considerations; Paragraph 1:

“The proposed installation of the Town of Ramah Lift Station will consist of the installation of a packaged lift station and valve vault on existing Town right-of-way.”

- Appendix A – Regulation 22.9 Application Forms

Replace the 22.9 Site Application forms with the revised application forms in Attachment C attached with this memorandum.

- Appendix B – Project Maps

Replace Figure 2, Town of Ramah Project Location with Figure 1 in Attachment A attached with this memorandum.

- Appendix G – 30% Conceptual Plans

Replace the 30% Concept Plans set with the revised 30% Plan set in Attachment B attached with this memorandum.



TOWN OF RAMAH

LIFT STATION 22.9 SITE APPLICATION

JANUARY 2022

REVISED MARCH 2022

LIFT STATION
22.9 SITE APPLICATION REPORT
FOR
THE TOWN OF RAMAH

JANUARY 2022
REVISED MARCH 2022

EE Job No.: 0043.0001



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DEFINITIONS, ACRONYMS, AND ABBREVIATIONS (NOT ALL MAY BE FOUND IN THIS REPORT)

BOD ₅	5-Day Biochemical Oxygen Demand
CDPHE	Colorado Department of Public Health and Environment
CDPS	Colorado Discharge Permit System
cm/sec	Centimeters per second
CY	Cubic Yards
DOLA	Department of Local Affairs
EA	Each
EDU	Equivalent Dwelling Unit
ECHO	Enforcement and Compliance History Online
EE	Element Engineering, LLC
EPA	Environmental Protection Agency
ft	Feet
gal	gallons
gpcd	Gallons per capita-day
gpd	Gallons per day
gpm	Gallons per minute
hp	Horsepower
HVAC	Heating, Ventilating and Air Conditioning
I&I	Inflow and Infiltration
kW	Kilowatts
lb/ac-day	Pounds per acre-day
lb/day	Pounds per day
LF	Linear Feet
LS	Lump Sum
mg/L	Milligrams per Liter
MGD	Million Gallons per Day
N/A	Not available or applicable
O&M	Operations and Maintenance
OMB	Office of Management and Budget
PEL	Preliminary Effluent Limitations
PVC	Polyvinyl Chloride
PW	Present Worth
RAS	Return Activated Sludge
ref.	Reference
RUS	Rural Utilities Services
SCADA	Supervisory Control and Data Acquisition
SFE	Single Family Equivalent
SF	Square Feet
SOG	Slab on Grade
TSS	Total Suspended Solids
USDA	United States Department of Agriculture
VFD	Variable Frequency Drives
WAS	Waste Activated Sludge
WWTP	Wastewater Treatment Plant
YR	Year

1 INTRODUCTION

The Town of Ramah is currently pursuing the construction of a complete retention/evaporative pond system with the capacity of 0.015 MGD. The evaporative pond system will be located on land that was recently purchased by the town. Due to the proposed evaporation pond's elevation, the town wishes to install a lift station as part of evaporative pond system project.

The proposed lift station will be located on existing Town right-of-way (ROW) along Pikes Peak Ave, approximately 200 feet south of the existing influent septic tank. The proposed sewer force main will be located in town and county of right-of-way. As part of the proposed lift station construction, a portion of the existing gravity sewer system will need to be replaced with new inverts that flow back into the influent lift station. The lift station will pump to the proposed evaporative ponds located along Ramah Rd E to the southeast of the proposed station. Maps depicting the existing and proposed site layouts are included in Appendix B and in the attached 30% plans.

1.1 APPLICABLE REGULATORY SECTIONS

This *Site Application Engineering Report* will address the requirements set forth in Regulation 22, Section 9. The proposed project includes the construction of a new lift station. The CDPHE Regulation 22.9 Application Form and Completeness Checklist are provided in Appendix A.

This report is being simultaneously submitted to CDPHE with a 22.6 Site Application report for the evaporative pond system, which will be located on a different property than the proposed lift station. This report will be reviewed by CDPHE and all comments received from the agency will be addressed prior to moving forward with the design phase of the proposed lift station.

In addition to the applicable sections of Regulation 22, the design and facility layout will comply with *State of Colorado Design Criteria for Domestic Wastewater Treatment Works*.

1.2 APPLICANT INFORMATION

Applicant:

Town of Ramah
113 S Commercial St.
Ramah, CO 80832
(719) 322-7897

Representative:

Dan Sotomayor
Public Works Director
(719) 322-7897

2 PROJECT BACKGROUND

2.1 PROJECT LOCATION AND SERVICE AREA

The Town of Ramah is located in eastern Colorado, in the NE corner of El Paso County, approximately 29 miles southwest of Limon. The service area is located in Section 6, Township 11S, Range 60W, Sixth Principal Meridian and Section 1, Township 11S, Range 61W, 6th Principal Meridian. The service area currently includes 72 sewer services and a population of approximately 130 people based on the most recent US Census Bureau data. Though some multi-family units exist in the service area, it consists primarily of single family homes. The commercial contributors in the service area are not notable. The existing service area boundary is shown in Figure 1.

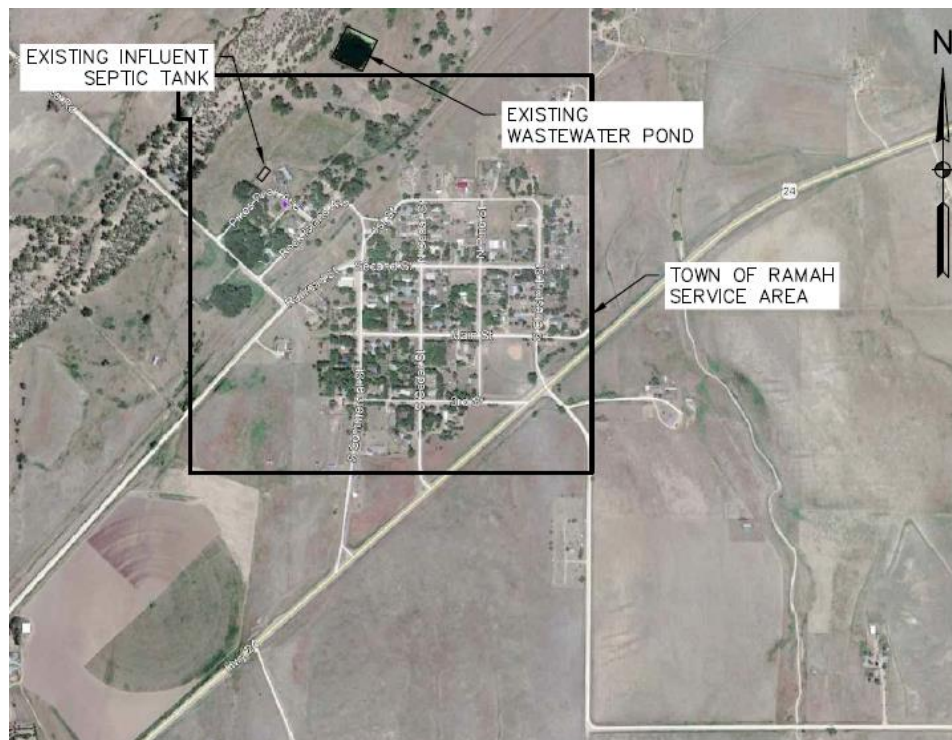


Figure 1 – Service Area Boundary Map

The proposed lift station, force main and portion of replaced gravity sewer will be located within town-owned property and town and county right-of-way. No easements or land purchases will be required. See the attached 30% plans for details. The force main will discharge to the proposed evaporation ponds that will be located on land that has been recently acquired by the town.

2.1.1 Area Discharge Permits, Drinking Water Intakes, and Domestic Wells

The town of Simla's water district, wastewater district, drinking water intakes, and permitted discharge are within 5 miles. Water wells in a one-mile radius were located utilizing the Colorado Decision Support System maps. There are 7 wells within this one-mile radius. Locations of these wells are shown in the 1-Mile Radius Map in Appendix C.

2.1.2 Topography

A USGS topographical map for the project area is located in Appendix C. A full geotechnical analysis will be conducted and submitted as part of the Process Design Report phase of this project.

2.1.3 Local Water Bodies, Streams, and Rivers

The water body near the project site are Big Sandy Creek and Antelope Creek, which flow approximately 750 ft. north of the proposed lift station. Ground water levels in the area are relatively shallow. Colorado Division of Water Resources data from the nearest monitoring well estimates water depth to range between 15 and 322 feet below ground surface. The geotechnical evaluation will include groundwater levels at the project site. The geotechnical evaluation will be conducted during the design process and will be included in the process design and basis of design reports.

2.1.4 Wetlands and Floodplains

Two types of wetlands exist within the planning area: freshwater pond and riverine. Because the existing lagoon is as a freshwater pond on the wetlands map, this wetland will be lost when the lagoon is decommissioned during completion of the evaporative pond system project. A US Fish & Wildlife Service Wetlands map for the project area is attached in Appendix C.

According to the most recent FEMA map from 2018, the location of the proposed lift station is shown to be located entirely outside of the nearest 100-year floodplain. The 500-year floodplain is not mapped in the area around Ramah. The current floodplain map is attached in Appendix C. No other portions of the proposed project, including the influent force main, replacement gravity sewer and the evaporation ponds are located within the 100-year floodplain. No other potential natural hazards are expected to impact the project or the planning area.

2.1.5 Endangered Species

An Information for Planning and Consultation (IPaC) Report was compiled that catalogues all of the listed and proposed threatened and endangered species, and critical habitats found within the planning area. This report can be found in Appendix D. The IPaC report found 2 endangered species and 5 threatened species in the planning area. However, all of the listed species included in this report are at risk of being affected by water-related activities/use in the N. Platte, S. Platte, and Laramie River Basins. The planning area does not overlap any of these basins; therefore, the proposed project is not expected to affect these listed species. No critical habitats were found at this location.

2.1.6 Land Use Projections and Zoning

No changes are expected with respect to land use designations or zoning over the course of the 20-year planning period.

2.2 POPULATION AND FLOW PROJECTIONS

The population of the Town of Ramah has fluctuated between 98 to 132 people over the previous 29 years of reported data from the US Census Bureau. However, since 2001 the town has seen a consistent increase

in population. Table 1 presents the population of the Town of Ramah from 1990-2019.

Table 1 – Historical Population Growth

Year	Population	Annual % Change
1990	108	-
1991	98	-9.26%
1992	101	3.06%
1993	103	1.98%
1994	107	3.88%
1995	108	0.93%
1996	107	-0.93%
1997	119	11.21%
1998	121	1.68%
1999	123	1.65%
2000	123	0.00%
2001	126	2.44%
2002	127	0.79%
2003	126	-0.79%
2004	127	0.79%
2005	124	-2.36%
2006	123	-0.81%
2007	124	0.81%
2008	125	0.81%
2009	126	0.80%
2010	124	-1.59%
2011	125	0.81%
2012	126	0.80%
2013	127	0.79%
2014	126	-0.79%
2015	127	0.79%
2016	128	0.79%
2017	129	0.78%
2018	132	2.33%
2019	130	-1.52%
Average		0.69%
Note: All data from US Census Bureau		

The projected 20-year population can be calculated using the latest census population and the average growth rate for the town. The average annual growth rate from 1990 to 2019 is 0.69%. Table 2 presents the 20-year population forecast for the service area assuming an annual growth rate of 0.69%.

Table 2 – 20-Year Population Forecast

Year	Population
2018	132
2019	130
2020	131
2021	132
2022	133
2023	134
2024	134
2025	135
2026	136
2027	137
2028	138
2029	139
2030	140
2031	141
2032	142
2033	143
2034	144
2035	145
2036	146
2037	147
2038	148
2039	149
2040	150
2041	151

2.3 HYDRAULIC LOADING ANALYSIS

Historically, the Town of Ramah WWTP has not had a flow monitoring device. All sewage flows to the influent septic tank and then lagoon, which are fed by gravity. The flows used in this report are based on assumptions and standard design criteria from Metcalf and Eddy. These assumptions take into account for both residential and commercial users, although the service area is influenced almost entirely from residential service taps.

Peak hour flow can be calculated using a peaking factor obtained from Figure 3.1 of CDPHE’s Design Criteria. With a projected service area population of 151 over the planning period, a peak hour flow to design average flow factor of 4.0 was determined to be most appropriate. Instead of using the 20-year projected average daily flow (ADF) of roughly 12,855 gpd, this report calculated the peak hour flow based on an ADF of 15,000 gpd in order to be conservative. Table 3 summarizes the hydraulic loading conditions at the lift station.

Table 3 – Lift Station Hydraulic Loading Conditions

Criteria	Value	Units
Average Daily Flow (ADF)	11,203	gpd
20-Year Projected Average Daily Flow	12,855	gpd
Proposed Permitted Hydraulic Limit	15,000	gpd
Peak Hour Flow (PHF)	60,000	gpd
Peak Hour Flow (PHF)	42	gpm
PHF = (Proposed Permitted Hydraulic Limit) x (4)		

As this site is unpermitted, organic loading was not regulated and influent BOD monitoring was not required. Therefore, organic loading was determined citing data from Metcalf and Eddy. Wastewater characteristics are not expected to change over the 20-year planning period; therefore, the existing average influent BOD concentration can be assumed to remain constant. Note that the project includes the construction of a non-discharging evaporative system and therefore testing to determine influent BOD concentration is not necessary. Table 4 summarizes the organic loading conditions at the lift station.

Table 4 – Lift Station Organic Loading Conditions

Condition	Loading	Units
Proposed Permitted Hydraulic Limit	0.015	MGD
Influent BOD Concentration	250	mg/L
Proposed Permitted Organic Limit	32.0	lbs/day
Permitted Influent BOD Concentration appropriate based on Metcalf & Eddy Medium Strength Wastewater		

2.4 EXISTING TREATMENT

All wastewater in the collection system is directed to an influent septic tank that directs flow to the Town of Ramah WWTP, which consists of one unlined, non-aerated lagoon. The existing WWTP is not properly sized to function as a complete retention evaporation pond system and is believed to be significantly leaking effluent into the surrounding groundwater and soils.

As part of this project, the town will be constructing a complete retention/evaporative pond system and decommissioning the existing lagoons. Synthetic liners will be installed in each pond; therefore, the new facility will be prevented from illicit discharges and seepage into surrounding soils and groundwater. The new evaporative ponds will be constructed on a different property than the lift station property. The portion of the project relating to WWTP improvements will be permitted through a separate 22.6 Site Application Report.

The service area will not change with the proposed improvements. Therefore, wastewater strength is expected to remain constant over the 20-year planning period. However, wastewater quantity is expected to increase proportionately with population growth.

2.5 PROJECT IMPACT TO TREATMENT ENTITY

There will be no impacts to the treatment entity that are not currently being seen. No additional flow or BOD loading will be seen at the treatment plant as a result of the installation of the new lift station.

2.6 LEGAL CONTROL OF SITE

The proposed lift station will be located on an existing town-owned parcel located approximately 200 feet to the southeast of the existing septic tank. The septic tank is located on the town right-of-way for Pikes Peak Ave. As part of the proposed lift station construction, a portion of the existing gravity sewer system will need to be replaced with new inverts that flow back into the influent lift station. The proposed sewer force main and new gravity sewer will be located in town and county right-of-way. The proposed force main will also be set on an alignment that it is entirely on town and county right of way until it reaches the proposed evaporative pond site which is located on town owned property on E Ramah Road. See the

attached 30% plans for details.

2.7 WASTEWATER TREATMENT ENTITY STATEMENT

The Town of Ramah owns and operates both the lift station and the treatment plant. The force main from the lift station is the only input to the WWTP. Therefore, there is no need for a written statement that the treatment entity is within its design capacity to accept wastewater from the lift station as they are one and the same.

3 PROJECT DESIGN CONSIDERATIONS

The proposed installation of the Town of Ramah Lift Station will consist of the installation of a packaged lift station and valve vault on existing Town right-of-way. A magnetic flow meter will be installed on the force main immediately downstream of the lift station. This also includes the installation of two submersible non-clog pumps rated at 42 gpm at an estimated 50 ft of total dynamic head, along with all required electrical controls. The total dynamic head is an approximation and will be confirmed during the Basis of Design Report and 100% Plans compilation.

Locating the proposed lift station at an alternative site to the existing influent septic tank and wastewater lagoon will allow the existing system to continue to operate normally during construction.

The proposed lift station will be designed in accordance with *Colorado Design Criteria for Domestic Wastewater Treatment Works, Chapter 4*. The design criteria for the proposed lift station are as follows:

- Two pumps rated at 42 gpm at an estimated 50 ft of total dynamic head (equal to the lift station capacity)
- Variable frequency drives
- A maximum of 1-hour wet-well detention time at average day flow conditions
- Minimum velocity in the force main shall be greater than 2 fps
- Emergency storage for 2-hours of peak hour flow conditions in the emergency storage vault
- Magmeter on the force main

4 EMERGENCY OPERATIONS AND MAINTENANCE

4.1 EMERGENCY OPERATIONS PLAN

The main goals of an emergency operations and maintenance plan for a lift station are to 1) prevent sanitary sewer overflows (SSOs) through routine maintenance, and 2) to clearly establish the procedure to follow in the event that an SSO does occur. A preliminary emergency response plan has been developed as part of this site application and details the following:

- Identification of Potential Causes of Overflow
- Prevention Practices
- Engineering Features to Address Sanitary Sewer Overflows
- Emergency Preparedness

The Town of Ramah staff currently does not operate a lift station and will operate the proposed new lift station. All emergency response procedures will be handled by town staff.

4.1.1 Identification of Potential Causes of Overflow

The lift station will be equipped with pump failure and high wet well alarms and an auto-dialer that will alert operations staff to equipment failures and/or high wet well levels. Pumping equipment will include overcurrent and high temperature protection. In addition to the auto-dialer, an audible alarm and visual alarm light will activate to alert and draw attention in the surrounding area. The Town of Ramah has dedicated 24-hour on-call staffing that will quickly respond to emergencies or alarms.

4.1.2 Prevention Practices

Routine operation and maintenance checks are essential to prevent overflows from a lift station. It is recommended that the lift station be inspected on a daily basis. This would simply include opening the wet well, valve vault, and control panels to inspect for damage or any potential sources of clogging.

Alarm testing will be completed on a monthly basis upon startup of the lift station to ensure alarms are functioning properly. Valves in the wet well should be exercised once per quarter to ensure they will work when needed.

Routine pump maintenance as described by the pump manufacturer will be included in the operation and maintenance manual turned over to the owner at the completion of construction.

4.1.3 Engineering Features to Address Sanitary Sewer Overflows

Two (2) pumps will be provided to ensure redundancy. During normal operation, each pump will operate in a lead-lag fashion. Each pump will be capable of pumping 100% of the peak hour flow individually.

Emergency storage, as required in the design criteria, will be included in the design to ensure there

is adequate time for staff to respond and fix any issues. This emergency storage will also allow room for a portable submersible pump to be utilized if there are issues with the two permanent submersible pumps. Two (2) hours of peak hour flow storage will be provided.

As previously mentioned, an alarm system will be included for the pumps. Alarms will include pump failure, high wet-well level, overcurrent, and high temperature protection. Alarms will be visual, audible, and will be sent to Town of Ramah staff by auto-dialer.

4.1.4 Emergency Preparedness

If an SSO occurs, the emergency preparedness and response plan of Town of Ramah staff is essential. The design criteria require that overflow storage of raw wastewater be provided at the lift station in the event of an extended power outage, electrical failure, or mechanical failure, including force main interruptions. The overflow storage volume required must be sufficient to contain all wastewater during the period of time required to restore pump station operation, install temporary pumping capacity, or haul raw wastewater to an acceptable point of discharge. The overflow storage will be designed to contain two-hours of peak hour flow storage, or 5,040 gallons (42 gpm x 120 minutes).

Town of Ramah staff will assess each emergency event and respond accordingly. For example, in the case of a complete mechanical failure of all equipment, a portable pump will be installed temporarily to pump wastewater from the wetwell to a camlock fitting downstream of the submersible pumps and valves to pump directly into the force main.

4.2 TELEMETRY AND ALARMS

The lift station will feature an alarm system for the pumps. Alarms will include pump failure and high wet well level. Alarms will be visible, audible, and will be sent to Town of Ramah staff by auto-dialer. Pumps will also include overcurrent and high temperature protection.

4.3 BACKUP POWER SUPPLY

The existing wastewater lagoon facility does not have a backup generator. To accommodate portable backup power, a portable generator quick-connect will be installed at the control panel for the proposed influent lift station.

4.4 PORTABLE EMERGENCY PUMPING EQUIPMENT

The Town of Ramah has access to portable pumps and generators that will be made available as needed in the event of a mechanical or electrical failure. There are no known cases where there has been an overflow from any of the Town of Ramah existing wastewater facility.

4.5 EMERGENCY STORAGE/OVERFLOW PROTECTION`

An emergency overflow structure is included in the design. This structure will allow town staff to respond to an emergency and take corrective action prior to an SSO. The structure will provide a minimum of 5,040 gallons, equal to two hours of peak hour flow.

4.6 OPERATOR CALL-DOWN LIST AND RESPONSE TIME JUSTIFICATION

The emergency phone number list includes emergency responders and Town of Ramah personnel. The main point of contact would be (719) 589-5807 which is Colorado State Patrol (CSP) Dispatch. CSP then contacts Town of Ramah personnel (24/7). All of the maintenance personnel live within or near the Town of Ramah, making response time brief.

The call-down list provided by the Town of Ramah is as follows:

**EMERGENCY PHONE NUMBERS
TOWN OF RAMAH**

**Public Works Director, ORC – Dan Sotomayor
(719) 322-7897**

**Colorado State Patrol Dispatch
(970) 848-2819**

**El Paso County Sheriff's Department
911 or (719) 520-7100**

**Big Sandy Fire Protection District
911 or (719) 541-2883**

**WQCD 24HR Incident Report Line
1-877-518-5608**

5 MANAGEMENT AND FINANCIAL CAPACITY

5.1 MANAGEMENT CAPACITY

The Town of Ramah manages, operates, and maintains all gravity collection lines and the town's WWTP. There is no need for additional town staff as the proposed project will not significantly increase the operational intensity required by the Town of Ramah.

5.2 FINANCIAL CAPACITY

The purpose of this section is to provide sufficient evidence that the Town of Ramah has acceptable financial resources to construct the lift station and cover any ongoing operational expenses. The most current budget information is attached in Appendix E. This information includes the 2019 audit and the 2021 budget.

The town is in the process of securing a combination of grants and loans through CDPHE and DOLA to fully fund the project. A rate increase has been enacted to offset the loan portion of the funding. Further rate increases will be required to fully support the project.

Operation and maintenance costs are expected to moderately increase with the installation of the new lift station. No increased staffing will be required with the new installation.

5.2.1 Itemized Projection of Expenses and Revenue

An itemization of expenses and revenue is shown in the budget located in Appendix E. As shown, the 2021 sewer budget predicts total expenses to be \$52,193 and yearly revenues to be \$52,193. This equates to a zero net total expense. It is important to note that this budget includes debt service for the proposed lift station and wastewater treatment facility improvement project as well as all required operations and maintenance costs.

5.2.2 Comparison of Expenses and Revenue

According to the 2021 budget, the Town of Ramah general fund budget will have equal revenue to proposed expenses. This results in an anticipated zero balance for the general fund at the completion of the 2021 fiscal year.

5.2.3 Access to Public and Private Financial Capital

As a town in Colorado, the Town of Ramah has access to a number of options for funding, including rate revenues, CDPHE loans and grants, DOLA grants, and USDA loans. A DOLA dollar-for-dollar match grant has been applied for to help fund this project. An SRF loan will be used as the DOLA grant match and will cover the remainder of the construction costs.

5.2.4 Current Outstanding Debt and Ability to Borrow Funds

The proposed project will encumber the Town of Ramah with debt obligation. The town has raised sewer user rates to accommodate the debt service incurred by the project and will continue to raise rates to a limit that will support the full cost of the project. Therefore, the town has the ability

to borrow additional funds for this project.

5.2.5 Periodic Financial Audits

As a Colorado town, the Town of Ramah must maintain yearly financial audits. All annual audits have been completed as required.

5.2.6 Annual Development and Utilization of Budgets

The Town of Ramah develops a budget each year and town Board of Trustee members vote on a resolution to adopt, amend, or reject the proposed budget. As shown in Appendix E, the budget has been developed and followed each year.

5.2.7 Capital Improvement Plan

A short-term wastewater capital improvements plan was compiled in the form of a Project Needs Assessment (PNA) report, which was submitted to CDPHE in order to obtain funding for this project. The construction of a new lift station is one of a two-part wastewater system improvements project that also includes the construction of a new complete retention/evaporative pond system. Both projects will be designed and constructed together as one wastewater capital improvements project that will bring the town into regulatory compliance. Following completion of these projects, no additional capital improvement projects should be necessary for the wastewater system for many years.

The Town of Ramah has had no major issues or breaks with the pipe in their collection system. Annual inspection and maintenance will be necessary for the collection system to remain in good condition, and to address any emerging issues before they negatively impact system performance.

6 POSTING OF SITE & LOCAL AGENCY REVIEW

6.1 POSTING OF SITE

As required by Regulation 22, notice has been posted at the proposed site. A photo of the posted site is presented in Figure 2.



Figure 2 – Photo of Posted Notice

The language posted is as follows:

NOTICE OF PROPOSED LIFT STATION

NOTICE IS HEREBY GIVEN THAT THE PROPERTY UPON WHICH THIS SIGN IS POSTED SHALL BE CONSIDERED FOR THE CONSTRUCTION OF A LIFT STATION. ADDITIONAL INFORMATION MAY BE OBTAINED BY CONTACTING THE APPLICANT, TOWN OF RAMAH AT (719) 740-0999 OR THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY CONTROL DIVISION, 303-692-3500.

6.2 LOCAL AGENCY REVIEW

Regulation 22, Section 9 requires that a copy of the site location application and all supporting and ancillary documentation be submitted to the local review and commenting agencies prior to submission to CDPHE. The applicable agencies for this project are:

- County: El Paso County
- Health Department: El Paso County Public Health Agency
- 208/COG, RCOG: Pikes Peak Area Council of Governments

Transmittals showing distribution of this site application document are attached in Appendix F. Comments by the local agency reviewers will be submitted to CDPHE upon receipt.

7 CONSISTENCY WITH WATER QUALITY MANAGEMENT PLAN

The proposed project includes the construction of a new lift station, as well as a complete retention/evaporative pond system that will eliminate discharges to groundwater. The overall project will provide wastewater disposal without vector nuisances, which is consistent with Colorado’s Statewide Water Quality Management Plan.

8 IMPLEMENTATION SCHEDULE

A possible implementation schedule for the proposed project is shown in Table 5. Note that this schedule is preliminary and is subject to change at the town’s request or as a result of construct-related activities.

Table 5 – Preliminary Project Schedule

Task	Start Date	End Date
Complete and Submit 22.6 Site Application to CDPHE	--	Jan 2022
CDPHE Review and Approval of Site Application	Jan 2022	Jun 2022
Complete & Submit Process Design Report, 100% Plans and Specifications to CDPHE	Jun 2022	Oct 2022
CDPHE Review and Approval of Process Design Report, 100% Plans and Specifications	Oct 2022	Jan 2023
Project Bidding	Mar 2023	Apr 2023
Construction	Apr 2023	Sep 2023

**APPENDIX A
REGULATION 22.9 SITE APPLICATION FORM**



Regulation 22 Site Location Application Form
 Section 22.9 - Lift Station

A. Project and System Information							
System Name		Town of Ramah WWTP					
Project Title		Town of Ramah Lift Station					
County		El Paso					
Associated CDPS Permit No.							
Date Fee Paid or payment attached				Invoice Number and Check Number			
Design Company Name		Element Engineering, LLC					
Design Engineer		Alice Arsenault		CO License Number		53350	
Address		12687 West Cedar Drive, Suite 300 Lakewood, CO 80228					
Email		alicea@elementengineering.net		Phone		(303) 981-0453	
Applicant/Entity		Town of Ramah					
Representative Name		Dan Sotomayor					
Address		113 S Commercial St. Ramah, CO 80832					
Email		townoframah@gmail.com		Phone		(719) 322-7897	
B. Project Information							
Location (existing or proposed site)				Proposed Project Capacity			
Brief location description		North of Pikes Peak Ave in County ROW on Second Ave between blocks 24 and 23		Firm Pumping Capacity (capacity with the largest unit out of service)		42 GPM	
Legal Description (e.g., Township, Range)		S1 T11S R61W, 6 th P.M.		Service Area Flow to Lift Station (maximum month average flow)		0.015 MGD	
County		El Paso		Service Area Flow to Lift Station (peak hour flow)		0.060 MGD	
Latitude		39°07'26.8"N					
Longitude		104°10'13.9"W					
Funding Process		Will the State Revolving Fund (SRF) loan program be used to finance any portion of the project?		Yes <input checked="" type="checkbox"/>		No <input type="checkbox"/>	
				If yes, please list project number		TBD	
Project Schedule and Cost Estimate							
Estimated Bid Opening Date		April 2023					
Estimated Completion Date		October 2023					
Estimated Project Cost		\$ 2,083,500					

Project and System Information	
System Name	Town of Ramah WWTP
Project Title	Town of Ramah WWTP Improvements
County	El Paso
Associated CDPS Permit No.	N/A
Treatment Entity Information	
1.	Name and address of the treatment plant providing treatment (Receiving treatment entity must fill out "Receiving Wastewater Entity Certification")
	Town of Ramah WWTP, 0 E Ramah Rd, Ramah, CO
Site Information	
2.	Vicinity maps of site location which includes the following: a) 5-mile radius map: all treatment plants, lift stations and domestic water supply intakes b) 1-mile radius map: habitable buildings (e.g., residences, schools, and commercial structures), location of public and private potable water wells, an approximate indication of the topography of the area, and neighboring land uses. See Appendix C
3.	Site Location Zoning
	a) Present zoning of the site location? Agricultural
	b) Zoning within a one (1) mile radius of the site location? Agricultural & Residential
4.	Flood Plain and Natural Hazards
	a) Is the site located in a 100-year flood plain or other natural hazard area? If so, what precautions are being taken? According to the most recent FEMA map from 2018, approximately 15% of the service area falls within Zone A, where base flood elevations and flood hazard factors are undetermined. A survey and flood study is to be conducted as part of the project to determine base flood elevations of the town as necessary for the funding source of the project (CDPHE SRF). The flood study will be included with the Process Design Report. The proposed lift station will be elevated above the floodplain.
	b) Has the flood plain been designated by the Colorado Water Conservation Board, Department of Natural Resources or other agency? If so, please list agency name and the designation. The FEMA FIRM map is attached in Appendix C.
5.	Legal Arrangements Demonstrating Control of the Site
	Please provide the legal arrangements showing control of the site or right-of-way for the project life or showing the ability of the entity to acquire the site or right-of-way and use it for the project life. The proposed lift station and force main will be located in county and town right-of-way. Maps are included in the attached 30% plans.
Lift Station Information	
6.	Please describe the period during which service area build-out will occur. The service area is expected to experience 0.69% growth annually based on historic population trends. However, the town has the ability to expand the service area boundaries as population increases. The 20-year forecast population for the service area is 151, assuming that a growth rate of 0.69% remains constant.
7.	Please describe the flows/loadings expected in the first five years operation. Also provide the flow/loading projections showing projected flow and loading over the following 20 years. Based on a constant annual population growth rate of 0.69% and an average usage of 85 gpcd, flows are expected to reach 11,600 and 12,000 gpd in the first five and ten years of operation, respectively.
8.	Will the proposed lift station replace an existing lift station?
	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

	If Yes, please describe the current flows and loadings that will be switched to the proposed lift station.
9.	Describe emergency back-up system in case of lift station and/or power failure to minimize the possibility of sanitary sewer overflows and health hazards to the public and operations personnel. To accommodate portable backup power, a portable generator quick-connect will be installed at the control panel for the proposed facility. In addition, an emergency overflow storage structure is in to be included with the project. This structure will allow town staff to respond to an emergency and take corrective action prior to an SSO. The structure will provide a minimum of 5,040 gallons, equal to two hours of peak hour flow.
Project Information	
10.	What entity is financially responsible for the construction of the treatment works? The Town of Ramah
11.	What entity has the financially responsibility for owning and long term operating expense of the proposed treatment works? The Town of Ramah
12.	What entity has the responsibility for managing and operating the proposed treatment works after construction? The Town of Ramah
Additional Factors	
13.	Please identify any additional factors that might help the Division make an informed decision on your site location application.



**Applicant Certification and Review Agencies Recommendation
Section 22.9 - Lift Station**

Project and System Information	
System Name	The Town of Ramah WWTP
Project Title	The Town of Ramah Lift Station
County	El Paso
Associated CDPS Permit No.	

1. Applicant Certification

I certify that I am familiar with the requirements of *Regulation 22 - Site Location and Design Regulations for Domestic Wastewater Treatment Works*, and have posted the site location in accordance with the regulations. An engineering report, as described and required by the regulations, has been prepared and is enclosed.

Applicant Legal Representative

Position/Title Town Manager	Typed Name Cindy Tompkins	Signature <i>Cindy Tompkins</i>	Date 1-7-2022
Email townoframah@gmail.com	Phone (719) 322-7897		

The system legal representative is the legally responsible agent and decision-making authority (e.g. mayor, president of a board, public works director, owner). The Design Engineer is not the legal representative and cannot sign this form.

2. Recommendation of Review Agencies

As required in Sections 22.9(1)(c) and 22.9(1)(d), the application and the engineering report must be submitted to all appropriate local governments, local health authority, 208 designated planning and management agencies and other state or federal agencies for review and comment prior to submittal to the Division. By signing below, the review agency: 1) acknowledges receipt of the proposed site location application, 2) has reviewed the proposed application and may elect to provide comments, and 3) has provided a recommendation concerning the application to the Division. The recommendation should be based on the consistency of the proposed site location application with the local comprehensive plan(s) as they relate to water quality and the approved regional water quality management plan(s). *Please note: Review agencies are encouraged to provide project comments; however, if a review agency does not recommend approval then the agency must attach a letter describing the reason for their decision or comment on the next page.*

Signature of designated Management Agency (i.e., Water Quality Authority, Watershed Association, Watershed Authority)				
Agency	Typed Name	Signature	Date	
Email		Phone	Recommend Approval?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Signature of County, if the site is located in unincorporated areas of a county				
County El Paso County	Typed Name	Signature	Date	
Email		Phone	Recommend Approval?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Signature of City or Town, if the site is located within a City/Town boundary or within three miles of the City/Town boundary (if multiple, attach additional sheets as needed)				
City/Town Town of Ramah	Typed Name <i>Cindy Tompkins</i>	Signature <i>Cindy Tompkins</i>	Date 1-7-2022	
Email <i>townoframah@gmail.com</i>		Phone 719-541-2163	Recommend Approval?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

Signature of Local Health Authority

Agency El Paso County Public Health Agency	Typed Name	Signature	Date	
Email		Phone	Recommend Approval?	Yes <input type="checkbox"/> No <input type="checkbox"/>

Signature of 208 Designated Planning Agency

Agency Pikes Peak Area Council of Governments	Typed Name <i>Andrew Gunnind</i>	Signature <i>[Handwritten Signature]</i>	Date <i>3/9/22</i>	
Email <i>AGUNNIND@PPACG.ORG</i>		Phone <i>(719) 471-7080</i>	Recommend Approval?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

Signature of other State or Federal Agencies, if treatment works is located on or adjacent to a site that is owned or managed by a federal or state agency.

Agency	Typed Name	Signature	Date	
Email		Phone	Recommend Approval?	Yes <input type="checkbox"/> No <input type="checkbox"/>

Signature of other undesignated Basin Water Quality Authority, Watershed Association, Watershed Authority, etc.

Agency	Typed Name	Signature	Date	
Email		Phone	Recommend Approval?	Yes <input type="checkbox"/> No <input type="checkbox"/>

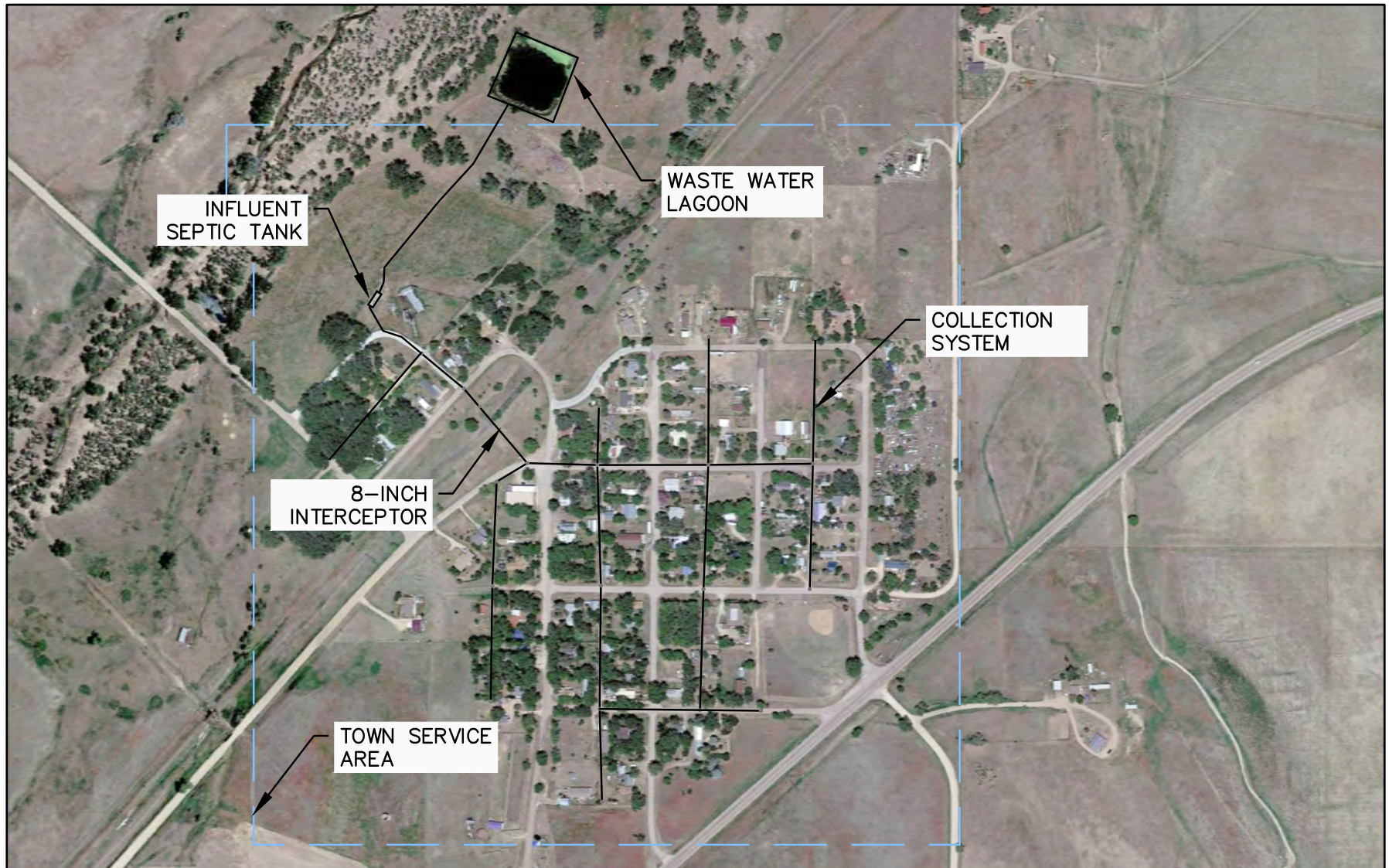
Review Agency Comments:



**Wastewater Receiving Entity Certification
Section 22.9 - Lift Station**

Project and System Information			
System Name	Town of Ramah WWTP		
Project Title	Town of Ramah Lift Station		
County	El Paso		
Receiving Treatment Entity Information - Certification of Available Treatment Capacity			
Receiving Treatment Entity	Town of Ramah WWTP	Receiving Treatment Plant	Town of Ramah WWTP
CDPS Permit No.		Permit Capacity	
Site Location Approval No. (attach copy of approval)		Site Location Approved Capacity	
Proposed treatment works capacity impacts on receiving treatment plant (projected at buildout or 20-years)			
Proposed maximum month average hydraulic capacity:			0.015 MGD
Proposed peak hour hydraulic capacity:			0.060 MGD
Proposed maximum month average organic loading capacity:			32 lbs BOD ₅ /day
Proposed treatment works will increase the receiving treatment plant's hydraulic loading to:			(% of total plant capacity)
Proposed treatment works will increase the receiving treatment plant's organic loading to:			(% of total plant capacity)
Treatment Certification - Section 22.9(1)(b)(v)(A)			
Yes, the treatment entity will provide treatment	<input checked="" type="checkbox"/>	No, the treatment entity will not provide treatment	<input type="checkbox"/>
Capacity Certification - Section 22.9(1)(b)(v)(B)			
I certify that the receiving treatment plant is not presently receiving wastes in excess of the design capacity as defined in the above listed site location approval and discharge permit and has the capacity to treat the projected discharge from the proposed treatment works (initial in box).			CT
OR			
I certify that the receiving treatment plant does not currently have the capacity to serve the proposed project flows but is under construction, or will be in a phased construction of new or expanded facilities, and will have the necessary capacity to treat the projected discharge from the proposed treatment works (initial in box).			CT
Estimated date capacity will be available			October 2023
Note: Projections of flow and loading to the treatment plant over the period during which build out of the service area will occur or twenty years, whichever is less, as well as current and future plant capacity information must be provided to demonstrate the plan for maintaining adequate capacity to treat. Any proposed treatment plant phased construction must be shown in the Water Quality Management Plan or by appropriate planning and engineering studies.			
Compliance Status Certification - Section 22.9(1)(b)(v)(C)			
I certify that the receiving treatment plant has not been in violation of any effluent limitations in its discharge permit for the last two years (initial in box).			CT
I certify that the receiving treatment plant is not operating under a Notice of Violation and/or Cease and Desist Order from the Division resulting from discharge permit violations (initial in box).			CT
Note: If there have been effluent violations or if the treatment plant is operating under a Notice of Violation and/or Cease and Desist Order from the Division, please provide additional description of the situation and the treatment entity's proposed corrective measures to achieve consistent compliance. The Division will evaluate information provided and determine if approval should be granted, granted with conditions, or denied.			
Signature of Treatment Entity Representative certifying that the information presented above is accurate and complete.			
Position/Title	Typed Name	Signature	Date
Town Manager	Cindy Thompkins	<i>Cindy Thompkins</i>	1-7-2022
Email		Phone	
townoframah@gmail.com		(719) 322-7897	

**APPENDIX B
PROJECT MAPS**



EXISTING WASTEWATER FACILITY LAYOUT

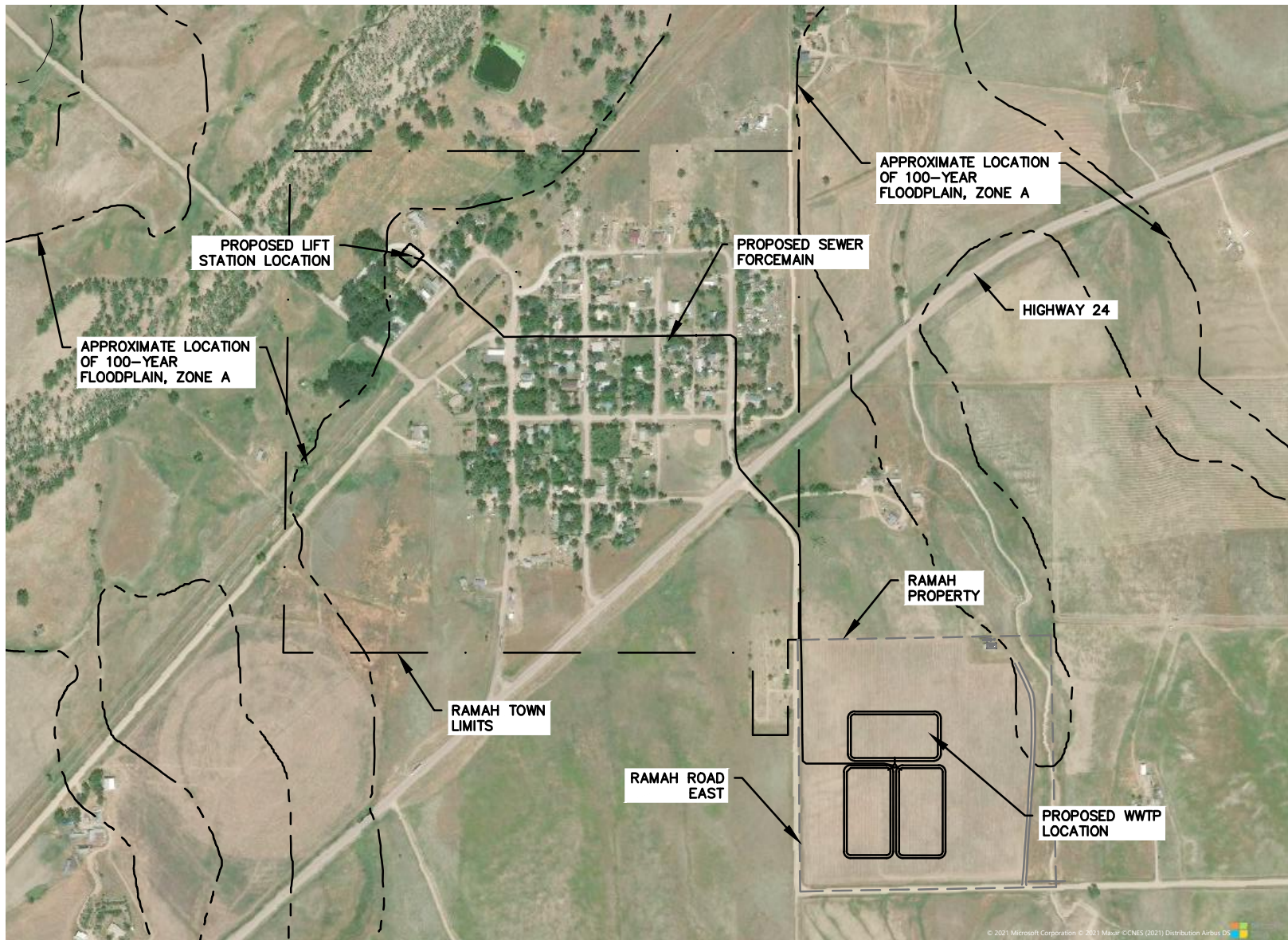


12687 W. CEDAR DRIVE, SUITE 350
 LAKEWOOD, CO 80228
 303.378.2969
 WWW.ELEMENTENGINEERING.NET

DATE
 NOVEMBER 2021

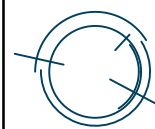
JOB NUMBER
 0043.0001

SCALE
 1" = 500'



TOWN OF RAMAH PROJECT LOCATION

DATE
FEBRUARY 2022



ELEMENT
ENGINEERING LLC

12687 W. CEDAR DRIVE, SUITE 300
LAKEWOOD, CO 80228
720.749.4165
WWW.ELEMENTENGINEERING.NET

JOB NUMBER
0043.0001

SCALE
1" = 800'

**APPENDIX C
FEMA FIRM MAP
USGS TOPOGRAPHIC MAP
WETLANDS MAP
SURROUNDING WATER RESOURCES MAP**

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or Floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only to landward of 0.0' North American Vertical Datum of 1988 (NAVD83). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevation shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures. Refer to section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The projection used in the preparation of this map was Universal Transverse Mercator (UTM) zone 13. The horizontal datum was NAD83, GRS80 spheroid. Differences in datum, spherical projection or UTM zones might result in slight positional differences on map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988 (NAVD83). These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov/> or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, NNGS-12
National Geodetic Survey
SSA/C-3, #9022
1315 East-West Highway
Silver Spring, MD 20910-3282

To obtain current elevation, description, and/or location information for bench marks shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242 or visit its website at <http://www.ngs.noaa.gov/>.

Base Map information shown on this FIRM was provided in digital format by El Paso County, Colorado Springs Utilities, City of Fountain, Bureau of Land Management, National Oceanic and Atmospheric Administration, United States Geological Survey, and Anderson Consulting Engineers, Inc. These data are current as of 2006.

This map reflects more detailed and up-to-date stream channel configurations and floodplain delineations than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map. The profile baselines depicted on this map represent the hydraulic modeling baselines that match the flood profiles and Floodway Data Tables as applicable, in the FIS report. As a result, the profile baselines may deviate significantly from the new base map channel representation and may appear outside of the floodplains.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

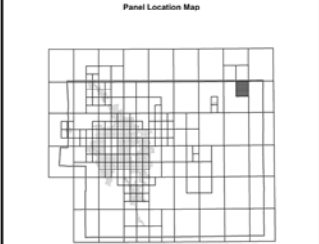
Please refer to the separately printed Map Index for an overview map of the county showing the layout of map panels, community map repository addresses, and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact FEMA Map Service Center (MSC) via the FEMA Map Information eXchange (FMIX) 1-877-336-2627 for information on available products associated with this FIRM. Advance products may include preliminary issues letters or map change, a Flood Insurance Study Report, and/or digital versions of this map. The MSC may also be reached by Fax at 1-800-368-9620 and its website at <http://www.msc.fema.gov/>.

If you have questions about this map or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA MAP (1-877-336-2627) or visit the FEMA website at <http://www.fema.gov/business/>.

El Paso County Vertical Datum Offset Table
Flood Source Vertical Datum Offset (ft)
REFER TO SECTION 3.3 OF THE EL PASO COUNTY FLOOD INSURANCE STUDY FOR STREAM BY STREAM VERTICAL DATUM CONVERSION INFORMATION

Panel Location Map



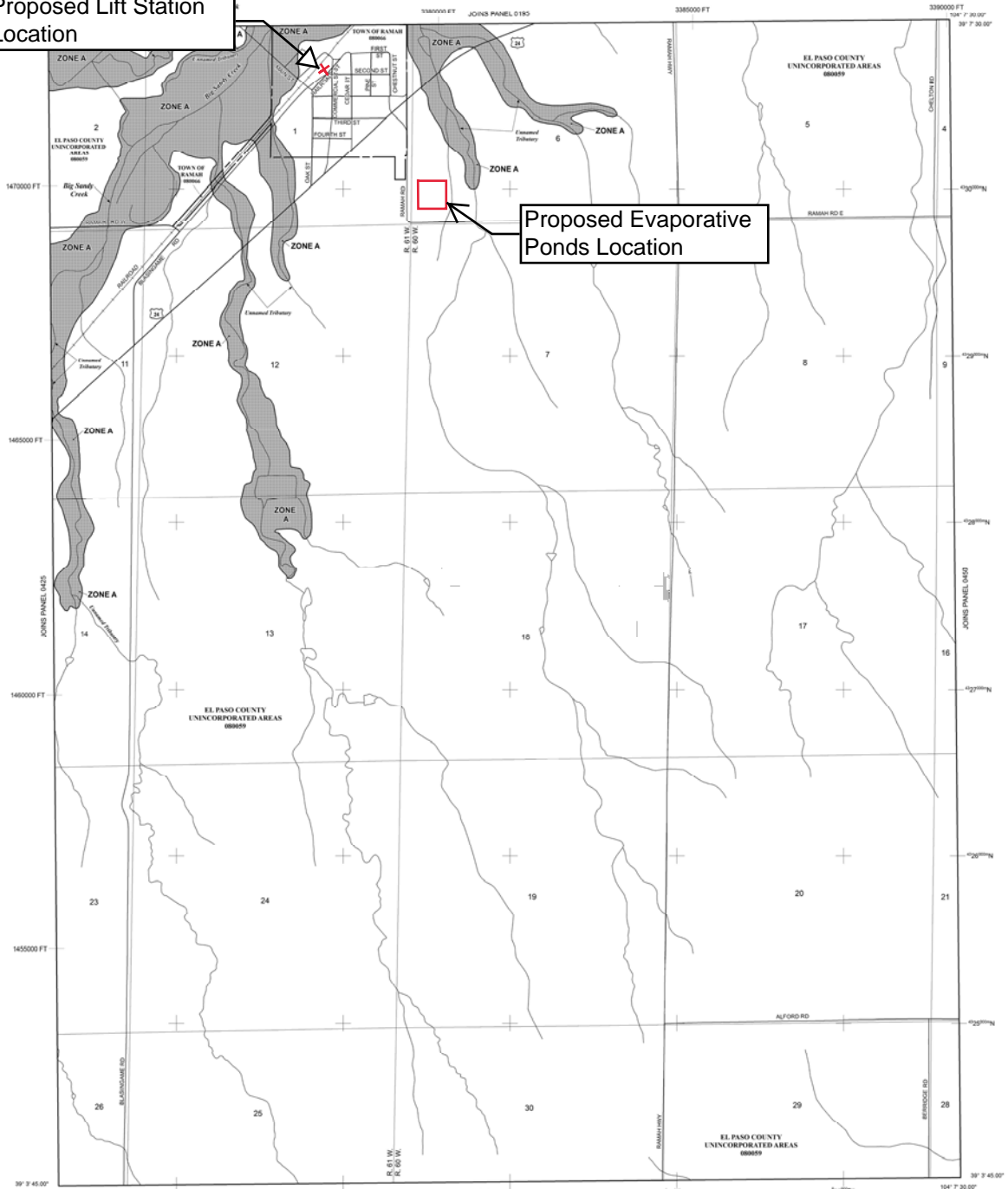
This Digital Flood Insurance Rate Map (DFIRM) was produced through a Cooperative Technical Partner (CTP) agreement between the State of Colorado Water Conservation Board (CWCB) and the Federal Emergency Management Agency (FEMA).

Additional Flood Hazard information and resources are available from local communities and the Colorado Water Conservation Board.



Proposed Lift Station Location

Proposed Evaporative Ponds Location



NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 11 NORTH, RANGE 60 WEST, AND TOWNSHIP 11 SOUTH, RANGE 61 WEST.

LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAS) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard are Zone A, AE, AH, AO, AV, X, and VE. The Base Flood Elevation is the water surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined.
Base Flood Elevations determined.

ZONE AE Base Flood Elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.

ZONE AO Flood depths of 1 to 3 feet (usually shear flow on sloping terrain); average depths determined. For areas of abutment flow flooding, velocities also determined.

ZONE AR Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently destroyed. Zone AR indicates that the former flood control system is being replaced to provide protection from the 1% annual chance or greater flood.

ZONE AV Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.

ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.

ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachments, or not the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with average areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

— Floodplain boundary
— Floodway boundary
— Zone D boundary
— CBRS and OPA boundary

— Boundary of Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
— Base Flood Elevation line and value; elevation in feet* (EL 987)
— Base Flood Elevation value where uniform within zone; elevation in feet*
* Referenced to the North American Vertical Datum of 1988 (NAVD 88)

— Cross section line
— Transect line
— Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)
— 1000-meter Universal Transverse Mercator grid lines, zone 13
— 1000-foot grid lines: Colorado State Plane coordinate system, central area EPCOZONE 0557, Lambert Conformal Conic Projection
— Bench mark (see explanation in Notes to Users section of this FIRM panel)
— M 1.5 River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE 'FLOOD INSURANCE RATE MAP'
MARCH 17, 1997

EFFECTIVE DATES (OF REVISIONS) TO THIS PANEL
DECEMBER 7, 2018: In update contour lines to the Base Flood Elevations and Special Flood Hazard Areas, to update map format, to add roads and road names, and to incorporate previously issued Letters of Map Revision.

For community map revision history prior to countywide mapping, refer to the Community Map History Table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-639-6020.

NFP PANEL 0410G

FIRM
FLOOD INSURANCE RATE MAP
EL PASO COUNTY,
COLORADO
AND INCORPORATED AREAS

PANEL 410 OF 1300
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS	NUMBER	PANEL	SUFFIX
EL PASO COUNTY	0000	000	0
BARNA TOWN OF	0000	000	0

MAP NUMBER
06041C0410G





MAP REVISED
DECEMBER 7, 2018

Federal Emergency Management Agency

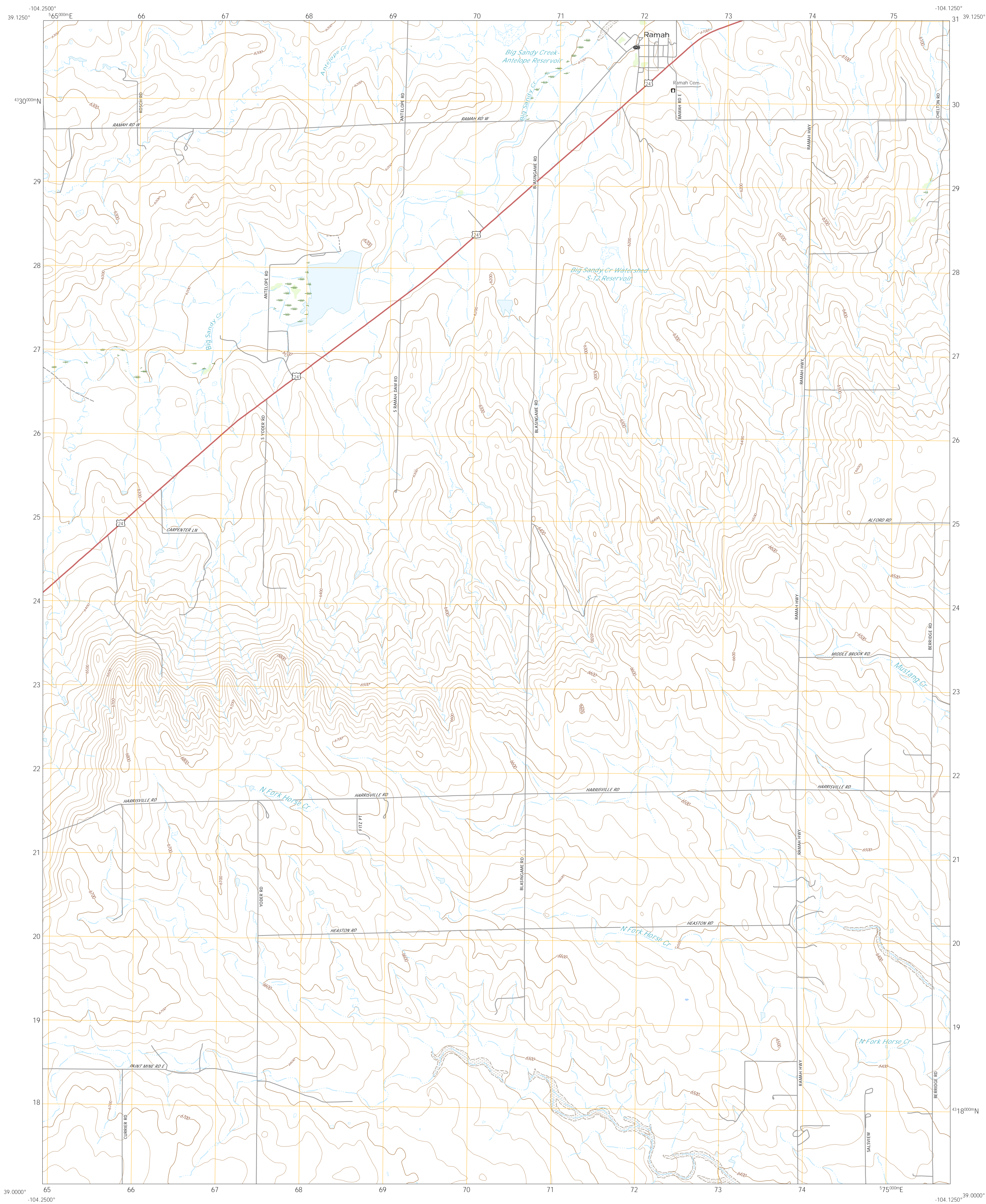


September 17, 2021

Wetlands

- | | | |
|--|---|--|
|  Estuarine and Marine Deepwater |  Freshwater Emergent Wetland |  Lake |
|  Estuarine and Marine Wetland |  Freshwater Forested/Shrub Wetland |  Other |
| |  Freshwater Pond |  Riverine |

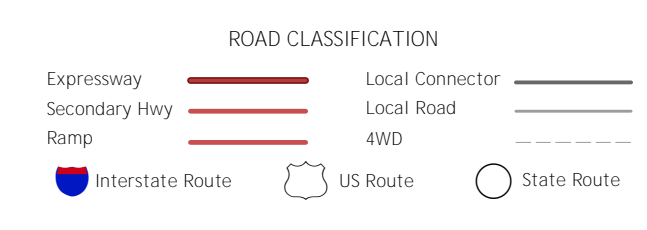
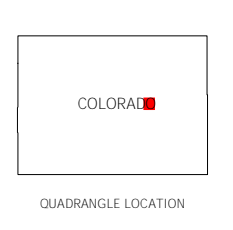
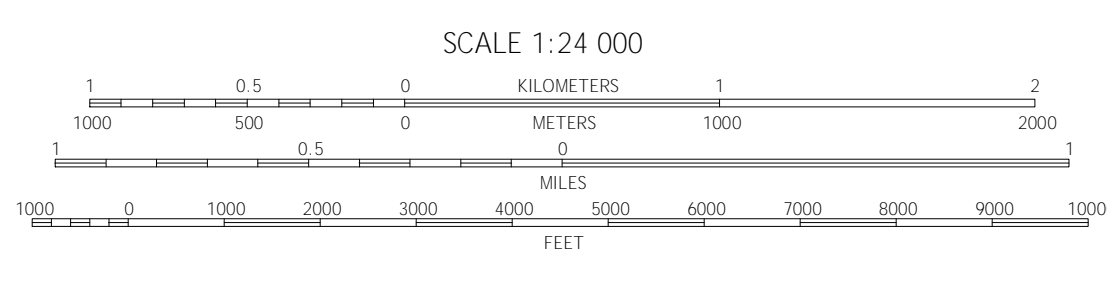
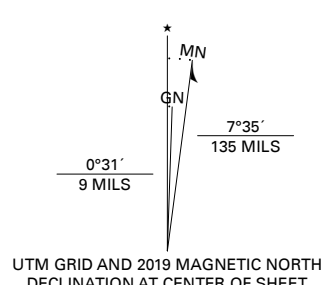
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



Produced by the United States Geological Survey

North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84) Projection and
1 000-meter grid Universal Transverse Mercator, Zone 13S
This map is not a legal document. Boundaries may be
generalized for this map scale. Private lands within government
reservations may not be shown. Obtain permission before
entering private lands.

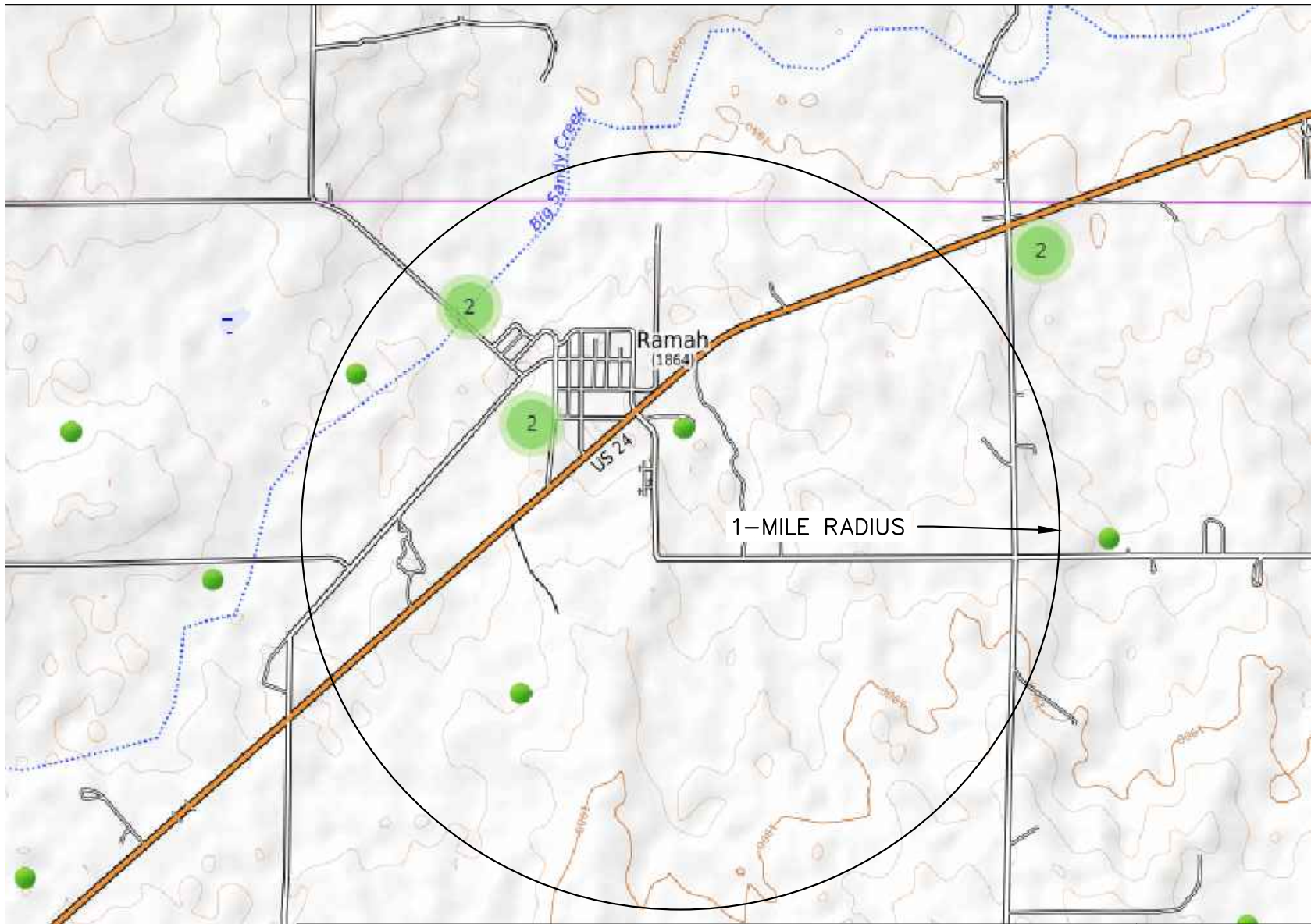
Imagery.....NAIP, August 2017 - January 2018
Roads.....U.S. Census Bureau, 2016
Names.....GNIS, 1994 - 2018
Hydrography.....National Hydrography Dataset, 1999 - 2018
Contours.....National Elevation Dataset, 2007
Boundaries.....Multiple sources; see metadata file, 2017 - 2018
Public Land Survey System.....BLM, 2018
Wetlands.....FWS National Wetlands Inventory 1974 - 1976



1	2	3
4	5	6
7	8	

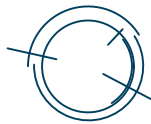
1 Fondis
2 Ramah North
3 Simla
4 Calhan
5 Alta Vista
6 Holcolm Hills
7 Rush NW
8 Holtzworth Store





RAMAH WELLS 1-MILE RADIUS

DATE
SEPT. 21



ELEMENT
ENGINEERING LLC

12687 W. CEDAR DRIVE, SUITE 300
LAKEWOOD, CO 80228
720.749.4165
WWW.ELEMENTENGINEERING.NET

JOB NUMBER
0043.0001

SCALE
NTS

**APPENDIX D
IPAC REPORT**

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

El Paso County, Colorado



Local office

Colorado Ecological Services Field Office

☎ (303) 236-4773

📅 (303) 236-4005

MAILING ADDRESS

Denver Federal Center

P.O. Box 25486

Denver, CO 80225-0486

PHYSICAL ADDRESS

134 Union Boulevard, Suite 670
Lakewood, CO 80228-1807

<http://www.fws.gov/coloradoES>

<http://www.fws.gov/platteriver>

NOT FOR CONSULTATION

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species¹ and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries²).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Birds

NAME

STATUS

Eastern Black Rail *Laterallus jamaicensis* ssp. *jamaicensis* **Threatened**

Wherever found

No critical habitat has been designated for this species.

<http://ecos.fws.gov/ecp/species/10477>

Piping Plover *Charadrius melodus* **Threatened**

This species only needs to be considered if the following condition applies:

- Project includes water-related activities and/or use in the N. Platte, S. Platte, and Laramie River Basins which may affect listed species in Nebraska.

There is **final** critical habitat for this species. The location of the critical habitat is not available.

<http://ecos.fws.gov/ecp/species/6039>

Whooping Crane *Grus americana* **Endangered**

This species only needs to be considered if the following condition applies:

- Project includes water-related activities and/or use in the N. Platte, S. Platte, and Laramie River Basins which may affect listed species in Nebraska.

There is **final** critical habitat for this species. The location of the critical habitat is not available.

<http://ecos.fws.gov/ecp/species/758>

Fishes

NAME

STATUS

Greenback Cutthroat Trout *Oncorhynchus clarkii stomias* **Threatened**

Wherever found

No critical habitat has been designated for this species.

<http://ecos.fws.gov/ecp/species/2775>

Pallid Sturgeon *Scaphirhynchus albus* **Endangered**

Wherever found

This species only needs to be considered if the following condition applies:

- Project includes water-related activities and/or use in the N. Platte, S. Platte, and Laramie River Basins which may affect listed species in Nebraska.

No critical habitat has been designated for this species.

<http://ecos.fws.gov/ecp/species/7162>

Insects

NAME

STATUS

Monarch Butterfly *Danaus plexippus*

Candidate

Wherever found

No critical habitat has been designated for this species.

<http://ecos.fws.gov/ecp/species/9743>

Flowering Plants

NAME

STATUS

Ute Ladies'-tresses *Spiranthes diluvialis*

Threatened

Wherever found

No critical habitat has been designated for this species.

<http://ecos.fws.gov/ecp/species/2159>**Western Prairie Fringed Orchid** *Platanthera praeclara*

Threatened

Wherever found

This species only needs to be considered if the following condition applies:

- Project includes water-related activities and/or use in the N. Platte, S. Platte, and Laramie River Basins which may affect listed species in Nebraska.

No critical habitat has been designated for this species.

<http://ecos.fws.gov/ecp/species/1669>

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern <http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>
- Measures for avoiding and minimizing impacts to birds <http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Nationwide conservation measures for birds <http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf>

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern](#) (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME

BREEDING SEASON (IF A BREEDING SEASON IS INDICATED FOR A BIRD ON YOUR LIST, THE BIRD MAY BREED IN YOUR PROJECT AREA SOMETIME WITHIN THE TIMEFRAME SPECIFIED, WHICH IS A VERY LIBERAL ESTIMATE OF THE DATES INSIDE WHICH THE BIRD BREEDS ACROSS ITS ENTIRE RANGE. "BREEDS ELSEWHERE" INDICATES THAT THE BIRD DOES NOT LIKELY BREED IN YOUR PROJECT AREA.)

Mccown's Longspur *Calcarius mccownii*

Breeds May 1 to Aug 15

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<http://ecos.fws.gov/ecp/species/9292>

Mountain Plover *Charadrius montanus*

Breeds Apr 15 to Aug 15

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<http://ecos.fws.gov/ecp/species/3638>

Red-headed Woodpecker *Melanerpes erythrocephalus*

Breeds May 10 to Sep 10

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

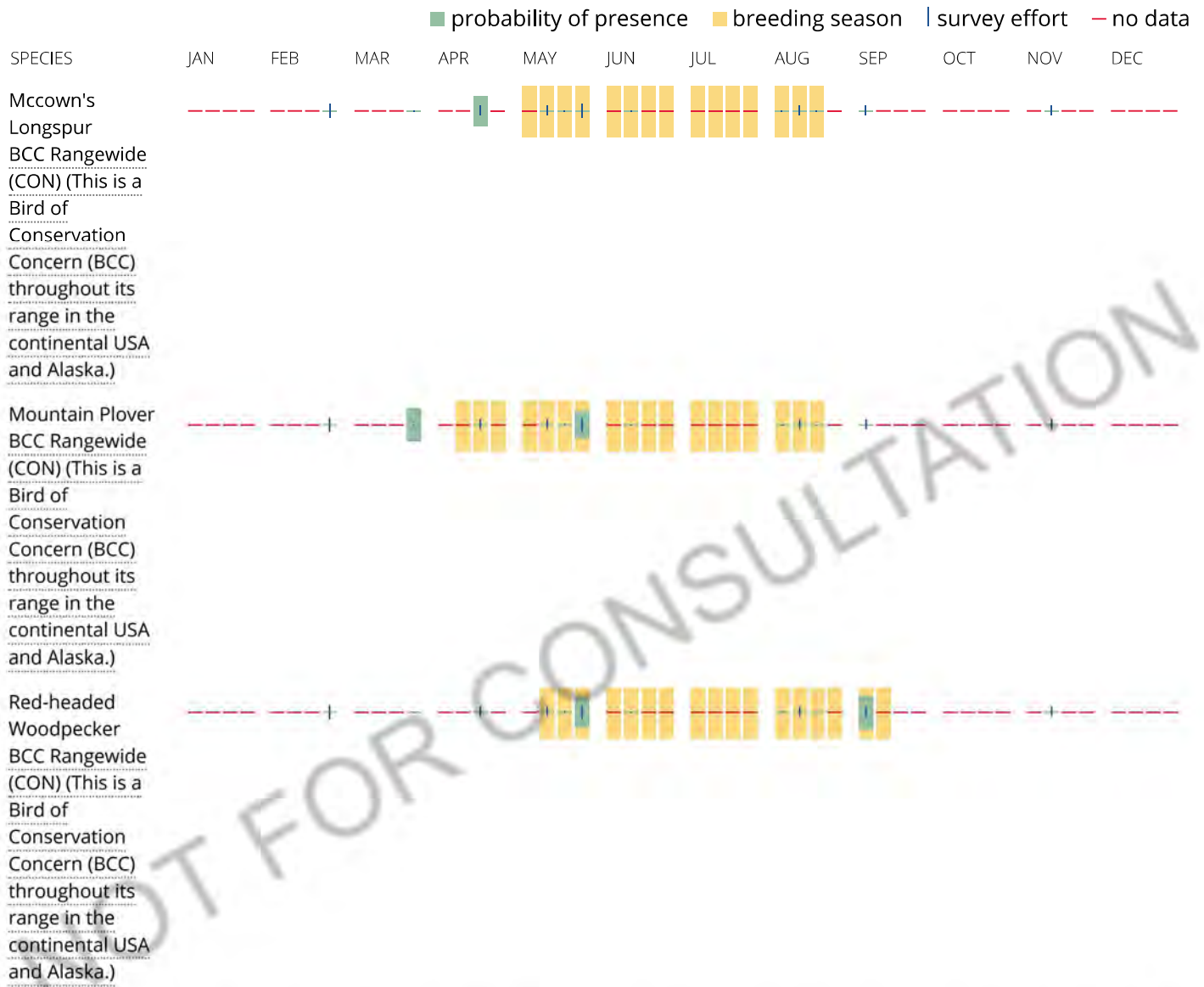
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (—)

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [AKN Phenology Tool](#).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: [The Cornell Lab of Ornithology All About Birds Bird Guide](#), or (if you are unsuccessful in locating the bird of interest there), the [Cornell Lab of Ornithology Neotropical Birds guide](#). If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS AT THIS LOCATION.

Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

Wetlands in the National Wetlands Inventory

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

This location overlaps the following wetlands:

FRESHWATER POND

[PUSC](#)

RIVERINE

[R4SBC](#)

A full description for each wetland code can be found at the [National Wetlands Inventory website](#)

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

**APPENDIX E
2019 FINANCIAL AUDIT
2021 TOWN BUDGET**

TOWN OF RAMAH, COLORADO

FINANCIAL STATEMENTS

December 31, 2019



Logan and Associates, LLC
CERTIFIED PUBLIC ACCOUNTANTS

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INDEPENDENT AUDITOR'S REPORT

Honorable Mayor and Members of
the Board of Trustees
Town of Ramah
Ramah, Colorado

Report on the Financial Statements

We have audited the accompanying financial statements of the governmental activities, the business-type activities, each major fund, and the aggregate remaining fund information of the Town of Ramah (the "Town") as of and for the year ended December 31, 2019, and the related notes to the financial statements, which collectively comprise the Town's basic financial statements as listed in the table of contents.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with the accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express opinions on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the Town's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Town's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a reasonable basis for our audit opinions.

Opinions

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of the governmental activities, the business-type activities, each major fund, and the aggregate remaining fund information of the Town of Ramah as of December 31, 2019, and the respective changes in financial position and cash flows, where applicable, for the year then ended, in accordance with accounting principles generally accepted in the United States of America.

Other Matters

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis, and budgetary comparison schedule on pages i – viii and on pages 22 - 23 be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the GASB who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Supplementary Information and Other Information

Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the Town's basic financial statements as a whole. The accompanying supplementary information and other information are presented for purposes of additional analysis and are not a required part of the basic financial statements. Such information is the responsibility of management and was derived from and relate directly to the underlying accounting and other records used to prepare the basic financial statements.

The supplementary information and other information have been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the supplementary information and other information are fairly stated, in all material respects, in relation to the basic financial statements taken as a whole.

Logan and Associates, LLC

Aurora, Colorado
August 12, 2020

TOWN OF RAMAH
El Paso County, Ramah, Colorado
Management's Discussion and Analysis
December 31, 2019

Management of the Town of Ramah offers readers of the basic financial statements this narrative overview and analysis of the financial activities of the Town for the fiscal year ended December 31, 2019. The focus of the information contained herein is on the primary government.

Financial Highlights

- The Town's assets exceeded liabilities at the close of the fiscal year by \$519,715(net position). Of this amount \$85,947 (unrestricted net position) may be used to meet the Town's ongoing obligations.
- The Town's total net position decreased by \$18,842.
- As of the close of the current fiscal year, the Town's governmental funds reported combined ending fund balances of \$19,912, a decrease of \$4,190 from the prior year.
- The Town's business-type activities debt decreased by \$3,900.

Overview of the Financial Statements

This discussion and analysis is intended as an introduction to the Town's basic financial statements. The basic financial statements comprise three components: 1) government-wide financial statements, 2) fund financial statements, and 3) notes to the basic financial statements. In addition to the basic financial statements, also provided is other supplementary information.

Government-wide financial statements

The government-wide financial statements are designed to provide readers with a broad overview of the Town's finances in a manner similar to a private-sector business.

The focus of the Statement of Net Position (the "Unrestricted Net Position") is designed to be similar to a bottom line for the Town and its governmental and business-type activities. This statement reports all of the governmental fund's current financial resources (short-term spendable resources) with capital assets and long term obligations. Over time, increases or decreases in net position may serve as a useful indicator of whether the financial position of the Town is improving or deteriorating.

The Statement of Activities presents information illustrating how the Town's net position changed during the most recent year. All changes in net position are reported as soon as the underlying event giving rise to the change occurs, regardless of the timing of related cash flows. Thus, revenues and expenses are reported in this statement for some items that will only result in cash flows in future fiscal periods (e.g., uncollected taxes).

The governmental activities reflect the Town's basic services, including administrative, parks and recreation, streets, building division, cemetery and public works. Property taxes finance the majority of these services.

The business-type activities reflect private sector type operations, which include operation and maintenance of the Town's water and sewer facilities, where fees for services cover all or most of the cost of operations, including depreciation.

TOWN OF RAMAH
Ramah, Colorado
Management's Discussion and Analysis
December 31, 2019

Fund Financial Statements

A fund is a grouping of related accounts used to maintain control over resources that have been segregated for specific activities or objectives. The Town uses fund accounting to ensure and demonstrate compliance with finance-related legal requirements. All of the funds of the Town can be divided into two categories: governmental funds and proprietary funds.

Governmental funds are used to account for the same functions as governmental activities in the government-wide financial statements. Governmental fund financial statements focus on financial position and change in financial position, not on income determination, and use the flow of current financial resources measurement focus and the modified accrual basis of accounting. Under the modified accrual basis of accounting, revenues are recognized when susceptible to accrual (when they are “measurable and available”). The Town considers all revenues available if they are collected within sixty days following the year end. Expenditures are recorded when the related fund liability is incurred.

The General Fund is the Town’s primary operating fund. It accounts for all financial resources of the general government, except those required to be accounted for in another fund.

The Town maintains two *proprietary funds*. These funds are used to report the same functions presented as business-type activities in the government-wide financial statements. The Town uses enterprise funds to account for its water and sewer operations.

The *notes to the basic financial statements* provide additional information that is essential to a full understanding of the data provided in the government-wide fund financial statements.

Other information, in addition to the basic financial statements and accompanying notes, is presented in the form of certain required supplementary information.

Government-wide Financial Analysis

As noted earlier, net position may serve over time as a useful indicator of a government’s financial position. In the case of the Town of Ramah, assets exceeded liabilities by \$519,715

Of the Town’s net position, 18.1% is unrestricted and may be used to meet the Town’s ongoing financial obligations. This is net position that is not restricted by external requirements nor invested in capital assets.

Of the Town’s \$620,966 in assets, \$495,738(79.8%) reflects investment in capital assets (e.g. land, buildings, infrastructure, machinery and equipment) less any related debt used to acquire those assets that is still outstanding which \$413,738 is reported as net investment in capital assets in the net position. The Town uses these capital assets to provide services to citizens; consequently, these assets are not available for future spending. Although the Town’s investment in its capital assets is reported net of related debt, it should be noted that the resources needed to repay this debt must be provided from other sources, since the capital assets themselves cannot be used to liquidate these liabilities.

TOWN OF CALHAN
Ramah, Colorado
Management's Discussion and Analysis
December 31, 2019

The following table reflects the Town's Net Position:

	Government Activities		Business-type Activities		Total	
	12/31/2018	12/31/2019	12/31/2018	12/31/2019	12/31/2018	12/31/2019
Current and other assets	42,015	37,763	82,083	87,465	124,098	125,228
Capital assets	160,364	155,693	359,163	340,045	519,527	495,738
Total Assets	202,379	193,456	441,246	427,510	643,625	620,966
Current liabilities	9,617	7,205	3,655	5,500	13,272	12,705
Long-term liabilities	0	0	83,500	77,900	83,500	77,900
Total Liabilities	9,617	7,205	87,155	83,400	96,772	90,605
Deferred Inflow of Resources						
Deferred Property Tax Revenue	8,296	10,646			8,296	10,646
Net Position						
Invested in capital assets	160,364	155,693	273,263	258,045	433,627	413,738
Restricted for bond redemption	0	0	8,150	8,150	8,150	8,150
Restricted for TABOR	1,333	1,100	0	0	1,333	1,100
Restricted - Other	12,116	10,780	0	0	12,116	10,780
Unrestricted	10,653	8,032	72,678	77,915	83,331	85,947
Total Net Position	184,466	175,605	354,091	344,110	538,557	605,662

TOWN OF RAMAH
Ramah, Colorado
Management's Discussion and Analysis
December 31, 2019

The following reflects the Town's Changes in Net Position:

	Government Activities		Business-type Activities		Total	
	12/31/2018	12/31/2019	12/31/2018	12/31/2019	12/31/2018	12/31/2019
Revenues						
Program Revenues						
Charges for service	3,459	3,171	49,787	43,410	53,246	46,581
Grants & contributions	1,306	1,478	4,328	0	5,634	1,478
General Revenues						
Property taxes	8,672	10,813			8,672	10,813
Sales Taxes	0	0			0	0
Other taxes	15,883	15,808			15,883	15,808
Investment interest	35	23	785	1,078	820	1,101
Other	5,808	5,135	0	0	5,808	5,135
Total Revenues	35,163	36,428	54,900	44,488	90,063	80,916
Expenses						
General Government	16,022	25,525			16,022	45,289
Judicial	0	0			0	0
Public Safety	0	0			0	0
Public Works	10,713	15,776			10,713	15,776
Culture & Recreation	4,073	3,988			4,073	3,988
Interest on Long-Term Debt	0	0	5,335	4,248	5,335	4,248
Sewer	0	0	19,294	15,548	19,294	15,548
Water	0	0	35,683	34,673	35,683	34,673
Total Expenses	30,808	45,289	60,311	54,469	91,119	99,758
Increase (decrease) in net position	4,355	(8,861)	(5,411)	(9,981)	(1,056)	(18,842)
Net Position - Beginning	180,111	184,466	359,502	354,091	539,613	538,557
Net Position - Ending	184,466	175,605	354,091	344,110	538,557	519,715

Business-type activities decreased the Town's net position by \$9,981 for the year ended December 31, 2019. Key elements of the decrease are as follows:

* Water and Sewer revenue was quite a bit lower than last year.

TOWN OF RAMAH
Ramah, Colorado
Management's Discussion and Analysis
December 31, 2019

Intergovernmental revenues are grants and other revenues received from the county, state and federal government. Licenses and permits include amounts collected from the issuance of licenses and permits required by the Town for various purposes. Revenues from fees collected by the Town for a variety of services provided to the public are recorded as miscellaneous revenues, which include cemetery revenues and park and recreation fees. Interest income reflects revenues from property taxes and investment activity.

Governmental activities decreased the Town's net position by \$8,861. Key elements are as follows:

- * Increased expenses for utilities and wages
- * Decreased tax revenue, while small impacts the budget

Financial Analysis of the Government's Funds

As noted earlier, the Town uses fund accounting to ensure and demonstrate compliance with finance-related legal requirements.

Governmental funds

The focus of the Town's governmental funds is to provide information on current year revenue, expenditures and balances of spendable resources. Such information is useful in assessing the Town's financial requirements. In particular, unreserved fund balance may serve as a useful measure of a government's net resources available for spending at the end of the fiscal year.

As of the year ended December 31, 2019, the Town's governmental funds reported combined ending fund balances of \$19,912 a decrease of \$4,190. This is due to flat revenues while expenses increased.

TOWN OF RAMAH
Ramah, Colorado
Management's Discussion and Analysis
December 31, 2019

Proprietary Funds The Town's proprietary funds provide the same type of information found in the government-wide financial statements, but in more detail.

Total net position of the Water Fund amounted to \$179,701 and those for the Sewer Fund amounted to \$164,409. Total decrease in net position for all enterprise funds was \$9,981

Significant factors for Water and Sewer Funds:

* Revenues decreased slightly while expenses were flat or increased.

General Fund Budgetary Highlights

There were no budget amendments in 2019.

TOWN OF RAMAH
Ramah, Colorado
Management's Discussion and Analysis
December 31, 2019

Capital Asset and Debt Administration

Capital assets

The Town's capital assets for its governmental and business type activities as of December 31, 2019 amount to \$3,523,161 (net of accumulated depreciation). This investment in capital assets includes land, buildings and improvements, equipment and other, park facilities, infrastructure (including streets, alleys, signs and bridges), water system infrastructure, and wastewater infrastructure. The Town's capital assets by activity at December 31, 2019 were as follows:

	Prior Year			As of December 31, 2019		
	Government	Business-type	Total	Government	Business-type	Total
	Activities	Activities		Activities	Activities	
Land	18,707		18,707	18,707		18,707
Infrastructure	164,098		164,098	164,098		164,098
Infrastructure		741,401	741,401		741,401	741,401
Buildings	1,500		1,500	1,500		1,500
Equipment and vehicles	1,574	11,673	13,247	1,574	11,673	13,247
Parks	8,292		8,292	8,292		8,292
Less accumulated depreciation	(33,807)	(393,911)	(427,718)	(38,478)	(413,029)	(451,507)
Total	160,364	359,163	519,527	155,693	340,045	495,738

Debt

At December 31, 2019, the Town had a total indebtedness of \$82,000 which is outlined below:

	Prior Year			At December 31, 2019		
	Government	Business-type	Total	Government	Business-type	Total
	Activities	Activities		Activities	Activities	
Loans payable	0	85,900	85,900	0	82,000	82,000
Total	0	85,900	85,900	0	82,000	82,000

TOWN OF RAMAH
Ramah, Colorado
Management's Discussion and Analysis
December 31, 2019

Economic Factors and Next Year's Budget

The 2020 budget represents an attempt to maintain both core services and a sufficient fund balance. Increasing reserves is a large priority for the foreseeable future as the current reserves are not sufficient for our needs. The following factors were considered in compiling the 2020 budget:

- * Most revenue line items were budgeted basically the same.
- * Expenditures have been budgeted close to the same for the last 3 years as the town tries to build reserves.
- * Grant funds have been budgeted for grants awarded but not yet expended in the sewer fund.
- * Salaries will be increased minimally.
- * Sewer revenue will be increased due to a rate increase. This is being done in anticipation of a sewer project that will need substantial grant and loan assistance. The rate for sewer service will be increased in 2020 and 2021 to reflect closer to the state average.

It is the hope of the Board of Trustees and the employees of the Town of Ramah that 2020 will keep improving.

While COVID-19 was not part of the 2020 budget discussions, the board understands the uncertainty this situation may have on the 2020 budget - revenues and expenses.

Requests for Information

This financial report is designed to provide a general overview of the Town's finances for all those with an interest in the government's finances. Questions concerning the information provided in this report or requests for additional financial information should be addressed to the Town Treasurer, Town of Ramah, P.O. Box 129, Ramah, CO 80832.

BASIC FINANCIAL STATEMENTS

TOWN OF RAMAH, COLORADO

STATEMENT OF NET POSITION

December 31, 2019

	GOVERNMENTAL ACTIVITIES	BUSINESS TYPE ACTIVITIES	TOTAL
ASSETS			
Cash and Investments	\$ 24,135	\$ 50,736	\$ 74,871
Receivables			
Property Taxes	10,646	-	10,646
Accounts Receivable	2,982	6,788	9,770
Investments - Long-term	-	29,941	29,941
Capital Assets, Not Depreciated	18,707	-	18,707
Capital Assets, Depreciated Net of Accumulated Depreciation	136,986	340,045	477,031
TOTAL ASSETS	193,456	427,510	620,966
LIABILITIES			
Accounts Payable	6,591	-	6,591
Accrued Salaries and Benefits	614	-	614
Customer Deposits	-	1,400	1,400
Noncurrent Liabilities			
Due in One Year	-	4,100	4,100
Due in More Than One Year	-	77,900	77,900
TOTAL LIABILITIES	7,205	83,400	90,605
DEFERRED INFLOW OF RESOURCES			
Deferred Property Tax Revenue	10,646	-	10,646
NET POSITION			
Net Investment in Capital Assets	155,693	258,045	413,738
Restricted for Debt Service	-	8,150	8,150
Restricted for Emergencies	1,100	-	1,100
Restricted for Parks and Recreation	10,780	-	10,780
Unrestricted, Unreserved	8,032	77,915	85,947
TOTAL NET POSITION	\$ 175,605	\$ 344,110	\$ 519,715

The accompanying notes are an integral part of the financial statements.

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TOWN OF RAMAH, COLORADO

STATEMENT OF ACTIVITIES
Year Ended December 31, 2019

FUNCTIONS/PROGRAMS	EXPENSES	CHARGES FOR SERVICES	PROGRAM REVENUES	
			OPERATING GRANTS AND CONTRIBUTIONS	CAPITAL GRANTS AND CONTRIBUTIONS
PRIMARY GOVERNMENT				
Governmental Activities				
General Government	\$ 24,923	\$ 1,926	\$ -	\$ -
Public Works	15,776	1,245	-	-
Health and Welfare	602	-	-	-
Parks and Recreation	3,988	-	1,478	-
Total Governmental Activities	45,289	3,171	1,478	-
Business-Type Activities				
Water	34,673	28,385	-	-
Sewer	15,548	15,025	-	-
Interest on Long-Term Debt	4,248	-	-	-
Total Business-Type Activities	54,469	43,410	-	-
Total Primary Government	\$ 99,758	\$ 46,581	\$ 1,478	\$ -

GENERAL REVENUES

Property Taxes
Franchise Taxes
Other Taxes
Interest
Miscellaneous
Ramah Days

TOTAL GENERAL REVENUES
AND SPECIAL ITEMS

CHANGE IN NET POSITION

NET POSITION, Beginning, As Restated

NET POSITION, Ending

The accompanying notes are an integral part of the financial statements.

NET (EXPENSE) REVENUE AND
CHANGE IN NET POSITION

GOVERNMENTAL ACTIVITIES	BUSINESS-TYPE ACTIVITIES	TOTALS
\$ (22,997)	\$ -	\$ (22,997)
(14,531)	-	(14,531)
(602)	-	(602)
(2,510)	-	(2,510)
(40,640)	-	(40,640)
-	(6,288)	(6,288)
-	(523)	(523)
-	(4,248)	(4,248)
-	(11,059)	(11,059)
(40,640)	(11,059)	(51,699)
10,813	-	10,813
4,307	-	4,307
11,501	-	11,501
23	1,078	1,101
2,244	-	2,244
2,891	-	2,891
31,779	1,078	32,857
(8,861)	(9,981)	(18,842)
184,466	354,091	538,557
<u>\$ 175,605</u>	<u>\$ 344,110</u>	<u>\$ 519,715</u>

TOWN OF RAMAH, COLORADO

BALANCE SHEET
GOVERNMENTAL FUNDS
December 31, 2019

	GENERAL FUND	NONMAJOR GOVERNMENTAL CONSERVATION TRUST FUND	TOTALS
ASSETS			
Cash and Investments	\$ 13,355	\$ 10,780	\$ 24,135
Property Taxes Receivable	10,646	-	10,646
Accounts Receivable	2,982	-	2,982
TOTAL ASSETS	26,983	10,780	37,763
LIABILITIES, DEFERRED INFLOWS AND FUND EQUITY			
LIABILITIES			
Accounts Payable	6,591	-	6,591
Accrued Salaries and Benefits	614	-	614
TOTAL LIABILITIES	7,205	-	7,205
DEFERRED INFLOW OF RESOURCES			
Deferred Property Tax Revenue	10,646	-	10,646
FUND EQUITY			
Fund Balance			
Restricted for Emergencies	1,100	-	1,100
Restricted for Parks and Recreation	-	10,780	10,780
Unassigned	8,032	-	8,032
TOTAL FUND EQUITY	9,132	10,780	19,912
TOTAL LIABILITIES, DEFERRED INFLOWS, AND FUND EQUITY	\$ 26,983	\$ 10,780	\$ 37,763

Amounts reported for governmental activities in the statement of net position are different because:

Total Fund Balances of Governmental Funds	19,912
Capital assets used in governmental activities are not financial resources and therefore, are not reported in the funds.	155,693
Net position of governmental activities	<u>\$ 175,605</u>

The accompanying notes are an integral part of the financial statements.

TOWN OF RAMAH, COLORADO

STATEMENT OF REVENUES, EXPENDITURES
AND CHANGES IN FUND BALANCES - GOVERNMENTAL FUNDS
Year Ended December 31, 2019

	GENERAL FUND	NONMAJOR GOVERNMENTAL CONSERVATION TRUST FUND	TOTALS
REVENUES			
Taxes	\$ 15,120	\$ -	\$ 15,120
Licenses and Permits	3,171	-	3,171
Intergovernmental	11,501	1,478	12,979
Interest	12	11	23
Miscellaneous	5,135	-	5,135
TOTAL REVENUES	<u>34,939</u>	<u>1,489</u>	<u>36,428</u>
EXPENDITURES			
Current			
General Government	24,769	-	24,769
Parks and Recreation	748	2,825	3,573
Health and Welfare	602	-	602
Public Works	11,674	-	11,674
TOTAL EXPENDITURES	<u>37,793</u>	<u>2,825</u>	<u>40,618</u>
NET CHANGE IN FUND BALANCES	(2,854)	(1,336)	(4,190)
FUND BALANCES, Beginning, As Restated	<u>11,986</u>	<u>12,116</u>	<u>24,102</u>
FUND BALANCES, Ending	<u>\$ 9,132</u>	<u>\$ 10,780</u>	<u>\$ 19,912</u>

The accompanying notes are an integral part of the financial statements.

TOWN OF RAMAH, COLORADO

RECONCILIATION OF THE STATEMENT OF REVENUES, EXPENDITURES
AND CHANGES IN FUND BALANCES - GOVERNMENTAL FUNDS
TO THE STATEMENT OF ACTIVITIES
Year Ended December 31, 2019

Amounts Reported for Governmental Activities in the Statement of Activities are Different Because:

Net Changes in Fund Balances - Total Governmental Funds	\$ (4,190)
Governmental funds report capital outlays as expenditures. However, in the statement of activities, the cost of those assets is allocated over their estimated useful lives and reported as depreciation expense. This is the amount of depreciation expense for the year.	<u>(4,671)</u>
Change in Net Position of Governmental Activities	<u>\$ (8,861)</u>

The accompanying notes are an integral part of the financial statements.

TOWN OF RAMAH, COLORADO

STATEMENT OF NET POSITION
 PROPRIETARY FUND TYPE
 December 31, 2019

	WATER FUND	SEWER FUND	TOTALS
ASSETS			
Current Assets			
Cash and Investments	\$ 15,172	\$ 35,564	\$ 50,736
Accounts Receivable, Net	6,227	561	6,788
Total Current Assets	<u>21,399</u>	<u>36,125</u>	<u>57,524</u>
Noncurrent Assets			
Investments - Long-term	9,412	20,529	29,941
Capital Assets, Net of Accumulated Depreciation	<u>191,290</u>	<u>148,755</u>	<u>340,045</u>
Total Noncurrent Assets	<u>200,702</u>	<u>169,284</u>	<u>369,986</u>
TOTAL ASSETS	<u>222,101</u>	<u>205,409</u>	<u>427,510</u>
LIABILITIES			
Current Liabilities			
Customer Deposits	1,400	-	1,400
Bonds Payable - Current Portion	<u>2,050</u>	<u>2,050</u>	<u>4,100</u>
Total Current Liabilities	<u>3,450</u>	<u>2,050</u>	<u>5,500</u>
Noncurrent Liabilities			
Bonds Payable	<u>38,950</u>	<u>38,950</u>	<u>77,900</u>
Total Noncurrent Liabilities	<u>38,950</u>	<u>38,950</u>	<u>77,900</u>
TOTAL LIABILITIES	<u>42,400</u>	<u>41,000</u>	<u>83,400</u>
NET POSITION			
Net Investment in Capital Assets	150,290	107,755	258,045
Restricted for Debt Service	4,075	4,075	8,150
Unreserved	<u>25,336</u>	<u>52,579</u>	<u>77,915</u>
TOTAL NET POSITION	<u>\$ 179,701</u>	<u>\$ 164,409</u>	<u>\$ 344,110</u>

The accompanying notes are an integral part of the financial statements.

TOWN OF RAMAH, COLORADO

STATEMENT OF REVENUES, EXPENSES
AND CHANGES IN NET POSITION
PROPRIETARY FUND TYPES
Year Ended December 31, 2019

	WATER FUND	SEWER FUND	TOTALS
OPERATING REVENUES			
Charges for Services	\$ 27,840	\$ 14,480	\$ 42,320
Connection and Late Fees	545	545	1,090
	<u>28,385</u>	<u>15,025</u>	<u>43,410</u>
TOTAL OPERATING REVENUES			
OPERATING EXPENSES			
Operations and Maintenance	22,572	5,776	28,348
Administrative and General	1,652	1,103	2,755
Depreciation	10,449	8,669	19,118
	<u>34,673</u>	<u>15,548</u>	<u>50,221</u>
TOTAL OPERATING EXPENSES			
OPERATING INCOME	<u>(6,288)</u>	<u>(523)</u>	<u>(6,811)</u>
NON-OPERATING REVENUES (EXPENSES)			
Interest Income	453	625	1,078
Interest Expense	<u>(2,124)</u>	<u>(2,124)</u>	<u>(4,248)</u>
	<u>(1,671)</u>	<u>(1,499)</u>	<u>(3,170)</u>
TOTAL NON-OPERATING REVENUES (EXPENSES)			
NET INCOME	<u>(7,959)</u>	<u>(2,022)</u>	<u>(9,981)</u>
NET POSITION, Beginning, As Restated	<u>187,660</u>	<u>166,431</u>	<u>354,091</u>
NET POSITION, Ending	<u>\$ 179,701</u>	<u>\$ 164,409</u>	<u>\$ 344,110</u>

The accompanying notes are an integral part of the financial statements.

TOWN OF RAMAH, COLORADO
STATEMENT OF CASH FLOWS
PROPRIETARY FUND TYPES
Year Ended December 31, 2019
Increase (Decrease) in Cash and Cash Equivalents

	WATER FUND	SEWER FUND	TOTALS
CASH FLOWS FROM OPERATING ACTIVITIES			
Cash Received from Customers	\$ 28,505	\$ 15,119	\$ 43,624
Cash Paid to Suppliers	(13,724)	(1,339)	(15,063)
Cash Paid to Employees	(10,500)	(5,540)	(16,040)
Net Cash Provided by Operating Activities	<u>4,281</u>	<u>8,240</u>	<u>12,521</u>
CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES			
Bond Payments	(1,950)	(1,950)	(3,900)
Interest Payments	(2,124)	(2,124)	(4,248)
Net Cash (Used) by Capital and Related Financing Activities	<u>(4,074)</u>	<u>(4,074)</u>	<u>(8,148)</u>
CASH FLOWS FROM INVESTING ACTIVITIES			
Interest Received	453	625	1,078
Sale (Purchase) of Investments	(450)	(618)	(1,068)
Net Cash Provided by Investing Activities	<u>3</u>	<u>7</u>	<u>10</u>
Net Increase in Cash and Cash Equivalents	210	4,173	4,383
CASH AND CASH EQUIVALENTS, Beginning	<u>14,962</u>	<u>31,391</u>	<u>46,353</u>
CASH AND CASH EQUIVALENTS, Ending	<u>\$ 15,172</u>	<u>\$ 35,564</u>	<u>\$ 50,736</u>
RECONCILIATION OF OPERATING INCOME (LOSS) TO NET CASH PROVIDED BY OPERATING ACTIVITIES			
Operating Income (Loss)	\$ (6,288)	\$ (523)	\$ (6,811)
Adjustments to Reconcile Operating Income (Loss) to Net Cash Provided by Operating Activities			
Depreciation and Amortization	10,449	8,669	19,118
Changes in Assets and Liabilities			
Accounts Receivable	472	94	566
Customer Deposits	(352)	-	(352)
Total Adjustments	<u>10,569</u>	<u>8,763</u>	<u>19,332</u>
Net Cash Provided by Operating Activities	<u>\$ 4,281</u>	<u>\$ 8,240</u>	<u>\$ 12,521</u>

The accompanying notes are an integral part of the financial statements.

TOWN OF RAMAH, COLORADO

NOTES TO FINANCIAL STATEMENTS

December 31, 2019

NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Nature of Operations

The Town of Ramah (the "Town") is a Colorado statutory town (a municipal corporation), incorporated in 1928 and is governed by a Mayor and six member Board of Trustees elected by the residents. The Town provides public works, parks and recreation, water, sewer, and general administrative services to its residents.

The accounting policies of the Town conform to generally accepted accounting principles as applicable to governmental entities. The Governmental Accounting Standards Board (GASB) is the accepted standard-setting body for establishing governmental accounting and financial reporting principles. A summary of the Town's more significant accounting policies follows.

Reporting Entity

In accordance with governmental accounting standards, the Town has considered the possibility of including additional entities in its financial statements.

The definition of the reporting entity is based primarily on financial accountability. The Town is financially accountable for organizations that make up its legal entity. It is also financially accountable for legally separate organizations if the Town officials appoint a voting majority of the organization's governing body and either it is able to impose its will on that organization or there is a potential for the organization to provide specific financial benefits to, or to impose specific financial burdens on, the Town. The Town may also be financially accountable for organizations that are fiscally dependent upon it. Based on the application of the criteria, the Town does not include additional organizations in its report entity.

Government-Wide and Fund Financial Statements

The government-wide financial statements (i.e., the statement of net position and the statement of activities) report information on all nonfiduciary activities of the Town. For the most part, the effect of interfund activity has been removed from these statements. Exceptions to this general rule are charges for interfund services that are reasonably equivalent to the services provided. Governmental activities, which normally are supported by taxes and intergovernmental revenues, are reported separately from business-type activities, which rely to a significant extent on fees and charges for support.

The statement of net position reports all financial, capital and debt resources of the Town. The difference between assets plus deferred outflows, and liabilities plus deferred inflows of the Town is reported as net position.

TOWN OF RAMAH, COLORADO

NOTES TO FINANCIAL STATEMENTS

December 31, 2019

NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Government-Wide and Fund Financial Statements (Continued)

The statement of activities demonstrates the degree to which the direct expenses and allocated indirect expenses of a given function or segment are offset by program revenues. Direct expenses are those that are clearly identifiable with a specific function or segment. Program revenues include 1) charges to customers or applicants who purchase, use, or directly benefit from goods, services, or privileges provided by a given function or segment and 2) grants and contributions that are restricted to meeting the operational or capital requirements of a particular function or segment. Taxes and other items not properly included among program revenues are reported instead as general revenues.

Separate financial statements are provided for governmental funds and proprietary funds. Major individual governmental and enterprise funds are reported as separate columns in the fund financial statements.

Measurement Focus, Basis of Accounting and Financial Statement Presentation

The government-wide financial statements are reported using the economic resources measurement focus and the accrual basis of accounting, as are the proprietary fund financial statements. Revenues are recorded when earned and expenses are recorded when the liability is incurred, regardless of the timing of related cash flows. Property taxes are recognized as revenues in the year for which they are levied. Grants and similar items are recognized as revenue as soon as all eligibility requirements imposed by the granting agency have been met.

Governmental fund financial statements are reported using the current financial resources measurement focus and the modified accrual basis of accounting. Revenues are recognized as soon as they are both "measurable and available". Revenues are considered to be "available" when they are collected within the current year or soon enough thereafter to pay liabilities of the current year. For this purpose, the Town considers revenues to be available if they are collected within 60 days of the end of the current year, except for expenditure driven grants as defined in the following paragraph.

Taxes, intergovernmental revenue and interest associated with the current fiscal year are considered to be susceptible to accrual and so have been recognized as revenues of the current fiscal year. Grant and similar revenues are recorded as revenues when all eligibility requirements are met, including any time requirements. Expenditure-driven grants are recognized as revenue when the qualifying expenditures have been incurred and all other eligibility requirements have been met. All other revenues are considered to be measurable and available only when cash is received by the Town.

TOWN OF RAMAH, COLORADO

NOTES TO FINANCIAL STATEMENTS

December 31, 2019

NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Measurement Focus, Basis of Accounting and Financial Statement Presentation
(Continued)

Expenditures generally are recorded when a liability is incurred, as under accrual accounting. However, debt service expenditures, as well as expenditures related to compensated absences, are recorded only when payment is due.

Proprietary funds distinguish operating revenues and expenses from nonoperating items. Operating revenues and expenses generally result from providing services and producing and delivering goods in connection with a proprietary fund's principal ongoing operations. Operating expenses for enterprise funds include the cost of sales and services, administrative expenses, and depreciation on capital assets. All revenues and expenses not meeting this definition are reported as nonoperating revenues and expenses or capital contributions.

When both restricted and unrestricted resources are available for use, it is the Town's practice to use restricted resources first, then unrestricted resources as they are needed.

The Town reports the following major governmental fund in the fund financial statements:

General Fund – The General Fund is used to account for the general operations and specific programs of the Town.

The Town reports the following major proprietary funds:

Water Fund – The Water Fund accounts for the financial activities associated with providing water services.

Sewer Fund – The Sewer Fund accounts for the financial activities associated with providing sewer services.

Assets, Liabilities, Fund Balance/Net Assets

Cash and Investments – For the purposes of reporting in the statement of cash flows, cash equivalents include certificates of deposit and investments with original maturities of three months or less. Investments are reported at fair value.

Receivables – Due from other governments and accounts receivable are reported at their gross value, and where appropriate, are reduced by the estimated portion that is expected to be uncollectible.

TOWN OF RAMAH, COLORADO

NOTES TO FINANCIAL STATEMENTS

December 31, 2019

NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Assets, Liabilities, Fund Balance/Net Assets (Continued)

Capital Assets – Capital assets, which include property, plant, buildings and related improvements, equipment, vehicles, and all infrastructure owned by the Town, are reported in the applicable government-wide or business-type activities columns of the government-wide financial statements and the proprietary funds in the fund financial statements. Capital assets are defined by the Town as assets with an initial, individual cost of more than \$1,000 and an estimated useful life in excess of one year. Such assets are recorded at historical cost or estimated historical cost if purchased or constructed. Donated capital assets are recorded at estimated fair market value at the date of donation.

The costs of normal maintenance and repairs that do not add to the value of the asset or materially extend asset lives are not capitalized.

Capital assets of the Town are depreciated using the straight-line method over the following estimated useful lives.

Buildings	20 years
Infrastructure	40 years
Distribution Systems	40 years
Park Equipment and Improvements	20 years
Equipment, Machinery, and Vehicles	20 years

General infrastructure assets acquired prior to January 1, 2002 are not being reported in the basic financial statements. General infrastructure assets include all roads, bridges, and other infrastructure acquired subsequent to January 1, 2002.

Compensated Absences – The Town does not employ any full time employees, hence, it does not have a compensated absences policy.

Long-Term Debt - In the government-wide financial statements, and the proprietary funds financial statements, long-term debt and other long-term obligations are reported as liabilities in the applicable governmental activities, business-type activities, or proprietary fund statement of net position.

In the governmental fund financial statements, the face amount of debt issued is reported as other financing sources. Debt premiums and discounts are reported as other financing sources and uses, respectively. Issuance costs, whether or not withheld from the actual debt proceeds received, are reported as debt service expenditures.

In the government-wide and proprietary funds, debt premiums and discounts are deferred and amortized over the life of the bonds using the straight-line method.

TOWN OF RAMAH, COLORADO

NOTES TO FINANCIAL STATEMENTS

December 31, 2019

NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Assets, Liabilities and Net Position/Fund Balances (Continued)

Net Position – In the government-wide and proprietary fund financial statements, net position is restricted when constraints placed on the net position are externally imposed.

- Net Investment in Capital Assets – this classification is intended to report the portion of net position which is associated with non-liquid, capital assets less outstanding debt related to those capital assets.
- Restricted Net Position – this classification includes liquid assets which have third party limitations on their use.
- Unrestricted Net Position – this classification includes assets that do not have any third party limitation on their use.

Fund Balance Classification – The governmental fund financial statements present fund balances based on classifications that comprise a hierarchy that is based primarily on the extent to which the Town is bound to honor constraints on the specific purposes for which amounts in the respective governmental funds can be spent. The classifications used in the governmental fund financial statements are as follows:

- Nonspendable – This classification includes amounts that cannot be spent because they are either (a) not in spendable form (such as prepaid items) or (b) are legally or contractually required to be maintained intact.
- Restricted – This classification includes amounts for which constraints have been placed on the use of the resources either (a) externally imposed by creditors (such as through a debt covenant), grantors, contributors or laws or regulations of other governments, or (b) imposed by law through constitutional provisions or enabling legislation.
- Committed – This classification includes amounts that can be used only for specific purposes pursuant to constraints imposed by formal action of the Town's highest level of decision-making authority, the Town Board of Trustees. The constraint may be removed or changed only through formal action of the Town Board of Trustees.
- Assigned – This classification includes amounts that are constrained by the Town's intent to be used for specific purposes, but is neither restricted nor committed. Intent is expressed by the Town Board of Trustees to be used for a specific purpose. Constraints imposed on the use of assigned amounts are more easily removed or changed than those imposed on committed amounts.

TOWN OF RAMAH, COLORADO

NOTES TO FINANCIAL STATEMENTS

December 31, 2019

NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Assets, Liabilities and Net Position/Fund Balances (Continued)

- Unassigned – This classification includes the residual fund balance for the General Fund. The unassigned classification also includes negative residual fund balance of any other governmental fund that cannot be eliminated by offsetting of assigned fund balance amounts.

The Town has not established a formal policy for its use of restricted and unrestricted fund balance. However, if both the restricted and unrestricted fund balances are available the Town uses restricted fund balance first, followed by committed, assigned and unassigned.

Property Taxes

Property taxes attach as an enforceable lien on property on January 1, are levied the following December, and are collected in the subsequent calendar year. Taxes are payable in full on April 30 or in two installments on February 28 and June 15. The County Treasurer's Office collects property taxes and remits to the Town on a monthly basis. Since property tax revenues are collected in arrears during the succeeding year, a receivable and corresponding deferred inflow of resources are reported at December 31.

Use of Estimates

The preparation of the basic financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect certain reported amounts and disclosures. Accordingly, actual results could differ from those estimates.

Subsequent Events

The Town has evaluated events subsequent to the year ended December 31, 2019 through August 12, 2020, the date of these financial statements were issued, and has incorporated any required recognition into these financial statements.

On January 30, 2020, the World Health Organization declared the coronavirus outbreak a "Public Health Emergency of International Concern" and on March 10, 2020, declared it to be a pandemic. Actions taken around the world to help mitigate the spread of the coronavirus include restrictions on travel, quarantines in certain areas, and forced closures of certain types of public places and businesses. The coronavirus and actions taken to mitigate it have had and are expected to continue to have an adverse impact on the economies and financial markets of many countries, including the geographical area in which the Town is located. It is unknown how long these conditions will last and what the complete financial effect will be to the Town.

TOWN OF RAMAH, COLORADO

NOTES TO FINANCIAL STATEMENTS

December 31, 2019

NOTE 2: CASH AND INVESTMENTS

A summary of cash and investments at December 31, 2019, follows:

Cash Deposits	\$ 61,583
Investments	<u>43,229</u>
Total	<u>\$ 104,812</u>

Cash is reported in the financial statements as follows:

Cash and Investments	\$ 74,871
Investments - Long-term	<u>29,941</u>
Total	<u>\$ 104,812</u>

Cash Deposits

The Colorado Public Deposit Protection Act (PDPA) requires that all local government entities deposit cash in eligible public depositories. Eligibility is determined by State regulations. Amounts on deposit in excess of Federal Deposit Insurance Corporation (FDIC) levels must be collateralized by eligible collateral as determined by the PDPA. The FDIC insures depositors up to \$250,000 for each financial institution. The PDPA allows the financial institution to create a single collateral pool for all public funds held. The pool is to be maintained by another institution, or held in trust for all uninsured public deposits as a group. The market value of the collateral must be at least equal to 102% of the uninsured deposits. At December 31, 2019, the Town had bank deposits totaling \$92,911 all of which \$250,000 were insured by FDIC.

Investments

The Town has not adopted a formal investment policy; however, the Town follows State statutes regarding investments. The Town generally limits its concentration of investments to Local Government Investment Pools, obligations of the United States and certain U.S. government agency securities, which are believed to have a minimal credit risk; minimal interest rate risk and no foreign currency risk. Additionally, the Town is not subject to concentration risk disclosure requirements or subject to investment custodial credit risk for investments that are in the possession of another party.

Colorado revised statutes limit investment maturities to five years or less unless formally approved by the Town Board of Trustees, such actions are generally associated with debt service reserve or sinking fund requirements.

TOWN OF RAMAH, COLORADO

NOTES TO FINANCIAL STATEMENTS

December 31, 2019

NOTE 2: CASH AND INVESTMENTS (Continued)

Investments (Continued)

State statutes specify investment instruments meeting defined rating, maturity and concentration risk criteria in which local governments may invest which include the following:

- Obligations of the United States and certain U.S. agency securities
- Certain international agency securities
- General obligation and revenue bonds of U.S. local government entities
- Banker's acceptances of certain banks
- Commercial paper
- Local government investment pools
- Written repurchase agreements collateralized by certain authorized securities
- Certain money market funds
- Guaranteed investment contracts

The Town measures and records its investments using fair market value measurement guidelines established by generally accepted accounting principles, except for local government investment pools, which are recorded using the net asset value method. These guidelines recognize a three-tiered fair value hierarchy, as follows:

- Level 1: Quoted prices for identical investment in active markets;
- Level 2: Observable inputs other than quoted market prices; and,
- Level 3: Unobservable inputs.

The Town had \$13,288 invested through a secondary market in liquid insured deposits that is FDIC insured. The investment in the liquid insured deposit is categorized as a Level 1 investment.

TOWN OF RAMAH, COLORADO

NOTES TO FINANCIAL STATEMENTS
December 31, 2019

NOTE 3: CAPITAL ASSETS

Capital asset activity for the year ended December 31, 2019, is summarized below:

	Balances, As Restated 12/31/2018	Additions	Deletions	Balances 12/31/2019
Governmental Activities:				
Capital Assets, not being depreciated				
Land	\$ 18,707	\$ -	\$ -	\$ 18,707
Capital Assets, being depreciated				
Buildings	1,500	-	-	1,500
Infrastructure	164,098	-	-	164,098
Park Equipment and Improvements	8,292	-	-	8,292
Equipment and Vehicles	1,574	-	-	1,574
Total Capital Assets, being depreciated	175,464	-	-	175,464
Less accumulated depreciation				
Buildings	(1,200)	(75)	-	(1,275)
Infrastructure	(25,129)	(4,102)	-	(29,231)
Park Equipment and Improvements	(6,219)	(415)	-	(6,634)
Equipment and Vehicles	(1,259)	(79)	-	(1,338)
Total accumulated depreciation	(33,807)	(4,671)	-	(38,478)
Total Capital Assets, being depreciated, net	141,657	(4,671)	-	136,986
Governmental Activities Capital Assets, net	<u>\$ 160,364</u>	<u>\$ (4,671)</u>	<u>\$ -</u>	<u>\$ 155,693</u>

Depreciation expense was charged to the functions/programs as follows:

General Government	\$ 154
Public Works	4,102
Parks and Recreation	415
Total	<u>\$ 4,671</u>

TOWN OF RAMAH, COLORADO

NOTES TO FINANCIAL STATEMENTS
December 31, 2019

NOTE 3: CAPITAL ASSETS (Continued)

	Balances, As Restated 12/31/2018	Additions	Deletions	Balances Balances 12/31/2019
Business-type Activities:				
Capital Assets, being depreciated				
Distribution Systems	741,401	-	-	741,401
Machinery and Equipment	11,673	-	-	11,673
Total Capital Assets, being depreciated	<u>753,074</u>	<u>-</u>	<u>-</u>	<u>753,074</u>
Less accumulated depreciation				
Distribution Systems	(385,968)	(18,534)		(404,502)
Machinery and Equipment	(7,943)	(584)	-	(8,527)
Total accumulated depreciation	<u>(393,911)</u>	<u>(19,118)</u>	<u>-</u>	<u>(413,029)</u>
Business-type Activities Capital Assets, net	<u>\$ 359,163</u>	<u>\$ (19,118)</u>	<u>\$ -</u>	<u>\$ 340,045</u>

Depreciation expense for the Business-type Activities was charged to the functions/programs as follows:

Water Fund	\$ 10,449
Sewer Fund	<u>8,669</u>
Total	<u>\$ 19,118</u>

NOTE 4: LONG-TERM DEBT

	Balance, As Restated 12/31/2018	Additions	Deletions	Balance 12/31/2019	Due Within One Year
Business-type Activities					
1994 Water and Sewer Revenue Bonds	<u>\$ 85,900</u>	<u>\$ -</u>	<u>\$ 3,900</u>	<u>\$ 82,000</u>	<u>\$ 4,100</u>

TOWN OF RAMAH, COLORADO

NOTES TO FINANCIAL STATEMENTS

December 31, 2019

NOTE 4: LONG-TERM DEBT (Continued)

Water & Sewer Revenue Bonds

During 1994, the Town issued Water & Sewer Revenue Bonds in the principal amount of \$140,000 for the construction of certain water and sewer system improvements. Principal and interest payments are due semi-annually on June 1, and December 1, through June 1, 2034. Interest accrues at a rate of 5.0% per annum. The bonds required a reserve fund be established in the total amount of \$x,xxx, which is reported as restricted net position in the water and sewer funds. The bonds are payable solely from revenues of the Town's water and sewer utility systems, after deducting operation and maintenance costs. During the year ended December 31 2019, net revenues of \$13,385 were available to pay annual debt service of \$8,148. Remaining debt service at December 31, 2019 was \$115,564. Following is summary of water and sewer revenue bonds debt service requirements.

<u>Year Ended December 31</u>	<u>Principal</u>	<u>Interest</u>	<u>Total</u>
2020	\$ 4,100	\$ 4,050	\$ 8,150
2021	4,300	3,843	8,143
2022	4,500	3,625	8,125
2023	4,700	3,398	8,098
2024	5,000	3,158	8,158
2025 - 2029	28,800	11,756	40,556
2030 - 2032	30,600	3,734	34,334
	<u>\$ 82,000</u>	<u>\$ 33,564</u>	<u>\$ 115,564</u>

NOTE 5: PUBLIC ENTITY RISK POOL

The Town is exposed to various risks of loss related to torts; theft of, damage to, and destruction of assets; errors and omissions; injuries to employees; and natural disasters. For these risks of loss, the Town is involved with the Colorado Intergovernmental Risk Sharing Agency (CIRSA), a separate and independent governmental and legal entity formed by intergovernmental agreement by member municipalities pursuant to the provision of 24-10-115.5, Colorado Revised Statutes (1982 Replacement Volume) and Colorado Constitution, Article XIV, Section 18(2).

The purposes of CIRSA are to provide members defined liability, property, and workers compensation coverages and to assist members in preventing and reducing losses and injuries to municipal property and to persons or property which might result in claims being made against members of CIRSA, their employees and officers.

TOWN OF RAMAH, COLORADO

NOTES TO FINANCIAL STATEMENTS

December 31, 2019

NOTE 5: PUBLIC ENTITY RISK POOL (Continued)

It is the intent of the members of CIRSA to create an entity in perpetuity which will administer and use funds contributed by the members to defend and indemnify, in accordance with the bylaws, any member of CIRSA against stated liability of loss, to the limit of the financial resources of CIRSA.

It is also the intent of the members to have CIRSA provide continuing stability and availability of needed coverages at reasonable costs. All income and assets of CIRSA shall be at all times dedicated to the exclusive benefit of its members. CIRSA is a separate legal entity and the Town does not approve budgets nor does it have the ability to significantly affect the operations of entity.

NOTE 6: COMMITMENTS AND CONTINGENCIES

Tabor Amendment

Colorado voters passed an amendment to the State Constitution, Article X, Section 20 (the "Amendment"), which has several limitations, including revenue raising, spending abilities, and other specific requirements of state and local government. The Amendment requires, with certain exceptions, advance voter approval for any new tax, tax rate increase, mill levy above that for the prior year, extension of an expiring tax, or tax policy change directly causing a net tax revenue gain to the Town. Revenue in excess of the fiscal spending limit must be refunded in the next fiscal year unless voters approve retention of such revenue.

In November 1998, the voters approved collection and spending of a one (1) percent sales and use tax, commencing January 1, 1999, without any limitations of the Amendment.

The Town's management believes it is in compliance with the provisions of the Amendment. However, the Amendment is complex and subject to interpretation. Many of its provisions may require judicial interpretation.

The Town has established an emergency reserve, representing 3% of qualifying expenditures, as required by the Amendment. At December 31, 2019, the emergency reserve of \$1,100 was reported as restricted fund balance in the General Fund.

Claims and Judgments

The Town participates in a number of federal, state, and local programs that are fully or partially funded by grants received from other governmental entities. Expenses financed by grants are subject to audit by the appropriate grantor government.

TOWN OF RAMAH, COLORADO

NOTES TO FINANCIAL STATEMENTS

December 31, 2019

NOTE 6: COMMITMENTS AND CONTINGENCIES (Continued)

Claims and Judgments (Continued)

If expenses are disallowed due to noncompliance with grant program regulations, the Town may be required to reimburse the grantor government. At December 31, 2019, significant amounts of grant expenses have not been audited but management believes that subsequent audits will not have a material effect on the overall financial position of the Town.

NOTE 7: PRIOR PERIOD RESTATEMENT

During the year ended December 31, 2019, the Town received additional information related to receivable, payables, capital assets and long-term debt balances. As a result, beginning balances for the General, Water, and Sewer Funds were restated to correct the beginning balances as of January 1, 2019. A recap is provided below:

Beginning Fund Balance – General Fund, as previously reported at January 1, 2019	\$ 14,018
Cash and Investments	(984)
Accounts Payable	<u>(1,048)</u>
Beginning Fund Balance – General Fund, January 1, 2019, as restated	<u>\$ 11,986</u>
Beginning Net Position – Governmental Activities, as previously reported at January 1, 2019	\$ 232,075
Cash and Investments	(984)
Capital Assets, net of accumulated depreciation	(45,577)
Accounts Payable	<u>(1,048)</u>
Beginning Net Position – Governmental Activities, January 1, 2019, as restated	<u>\$ 184,466</u>
Beginning Net Position – Water Fund, as previously reported at January 1, 2019	\$ 149,684
Accounts Receivable	(503)
Capital Assets, net of accumulated depreciation	29,830
Customer Deposits	249
Bonds Payable	<u>8,400</u>
Beginning Net Position – Water Fund, January 1, 2019, as restated	<u>\$ 187,660</u>
Beginning Net Position – Sewer Fund, as previously reported at January 1, 2019	\$ 204,262
Capital Assets, net of accumulated depreciation	(46,231)
Bonds Payable	<u>8,400</u>
Beginning Net Position – Sewer Fund, January 1, 2019, as restated	<u>\$ 166,431</u>

REQUIRED SUPPLEMENTARY INFORMATION

TOWN OF RAMAH, COLORADO
GENERAL FUND
BUDGETARY COMPARISON SCHEDULE
Year Ended December 31, 2019

	2019		VARIANCE Positive (Negative)
	ORIGINAL AND FINAL BUDGET	ACTUAL	
REVENUES			
Taxes	\$ 15,059	\$ 15,120	\$ 61
Licenses and Permits	2,374	3,171	797
Intergovernmental	9,204	11,501	2,297
Interest	12	12	-
Miscellaneous	4,925	5,135	210
TOTAL REVENUES	<u>31,574</u>	<u>34,939</u>	<u>3,365</u>
EXPENDITURES			
Current			
General Government	36,128	24,769	11,359
Parks and Recreation	600	748	(148)
Health and Welfare	500	602	(102)
Public Works	9,100	11,674	(2,574)
TOTAL EXPENDITURES	<u>46,328</u>	<u>37,793</u>	<u>8,535</u>
NET CHANGE IN FUND BALANCE	(14,754)	(2,854)	11,900
FUND BALANCE, Beginning, As Restated	<u>14,754</u>	<u>11,986</u>	<u>(2,768)</u>
FUND BALANCE, Ending	<u>\$ -</u>	<u>\$ 9,132</u>	<u>\$ 9,132</u>

See the accompanying Independent Auditor's Report.

TOWN OF RAMAH, COLORADO

NOTES TO REQUIRED SUPPLEMENTARY INFORMATION
December 31, 2019

NOTE 1: STEWARDSHIP, COMPLIANCE AND ACCOUNTABILITY

Budgets

Budgets are legally adopted for all funds of the Town. Budgets for governmental funds are adopted on a basis consistent with generally accepted accounting principles (GAAP). Budgetary comparisons for the enterprise funds are presented on a non-GAAP budgetary basis. Capital outlay and long-term debt principal are budgeted as expenditures and depreciation is not budgeted.

The Town follows these procedures in establishing the budgetary data reflected in the financial statements:

- In September, Management submits to the Town Board of Trustees a proposed operating budget for the fiscal year commencing the following January 1. The operating budget includes proposed expenditures and the means of financing them.
- Public hearings are conducted to obtain taxpayer and public comments.
- Prior to December 31, the budget is legally enacted through passage of an ordinance.
- Management is authorized to transfer budgeted amounts between departments within any fund. However, any revisions that alter the total expenditures must be approved by the Town Board of Trustees.
- All budget appropriations lapse at year end. Colorado governments may not exceed budgeted appropriations at the fund level.

SUPPLEMENTARY INFORMATION

TOWN OF RAMAH, COLORADO
 CONSERVATION TRUST FUND
 BUDGETARY COMPARISON SCHEDULE
 Year Ended December 31, 2019

	2019		VARIANCE Positive (Negative)
	ORIGINAL AND FINAL BUDGET	ACTUAL	
REVENUES			
Lottery Revenues	\$ 1,200	\$ 1,478	\$ 278
Interest	6	11	5
TOTAL REVENUES	<u>1,206</u>	<u>1,489</u>	<u>283</u>
EXPENDITURES			
Parks and Recreation	<u>13,191</u>	<u>2,825</u>	<u>10,366</u>
TOTAL EXPENDITURES	<u>13,191</u>	<u>2,825</u>	<u>10,366</u>
NET CHANGE IN FUND BALANCE	(11,985)	(1,336)	10,649
FUND BALANCE, Beginning	<u>11,985</u>	<u>12,116</u>	<u>131</u>
FUND BALANCE, Ending	<u>\$ -</u>	<u>\$ 10,780</u>	<u>\$ 10,780</u>

See the accompanying Independent Auditor's Report.

TOWN OF RAMAH, COLORADO
WATER FUND
BUDGETARY COMPARISON SCHEDULE
Year Ended December 31, 2019

	2019		VARIANCE Positive (Negative)
	ORIGINAL AND FINAL BUDGET	ACTUAL	
REVENUES			
Charges for Services	\$ 28,500	\$ 27,840	\$ (660)
Connection and Late Fees	600	545	(55)
Investment Income	200	453	253
TOTAL REVENUES	29,300	28,838	(462)
EXPENDITURES			
Operations and Maintenance	23,974	22,572	1,402
Administration and General	2,450	1,652	798
Capital Outlay	-	-	-
Debt Service			
Principal	2,000	1,950	50
Interest	2,100	2,124	(24)
TOTAL EXPENDITURES	30,524	28,298	2,226
NET INCOME, Budget Basis	\$ (1,224)	540	\$ 1,764
GAAP BASIS ADJUSTMENTS			
Depreciation		(10,449)	
Principal Paid on Long-Term Debt		1,950	
NET INCOME, GAAP Basis		(7,959)	
NET POSITION, Beginning, As Restated		187,660	
NET POSITION, Ending		\$ 179,701	

See the accompanying Independent Auditor's Report.

TOWN OF RAMAH, COLORADO
 SEWER FUND
 BUDGETARY COMPARISON SCHEDULE
 Year Ended December 31, 2019

	2019		VARIANCE Positive (Negative)
	ORIGINAL AND FINAL BUDGET	ACTUAL	
REVENUES			
Charges for Services	\$ 14,300	\$ 14,480	\$ 180
Late Fees	550	545	(5)
Grant Revenue	135,000	-	(135,000)
Investment Income	500	625	125
TOTAL REVENUES	150,350	15,650	(134,700)
EXPENDITURES			
Operations and Maintenance	8,300	5,776	2,524
Administration and General	1,600	1,103	497
Capital Outlay	135,000	-	135,000
Debt Service			
Principal	2,000	1,950	50
Interest	2,100	2,124	(24)
Contingency Reserve	15,516	-	15,516
TOTAL EXPENDITURES	164,516	10,953	153,563
NET INCOME, Budget Basis	\$ (14,166)	4,697	\$ 18,863
GAAP BASIS ADJUSTMENTS			
Depreciation		(8,669)	
Principal Paid on Long-term Debt		1,950	
NET INCOME, GAAP Basis		(2,022)	
NET POSITION, Beginning, As Restated		166,431	
NET POSITION, Ending		\$ 164,409	

See the accompanying Independent Auditor's Report.

OTHER INFORMATION

The public report burden for this information collection is estimated to average 380 hours annually.

LOCAL HIGHWAY FINANCE REPORT	City or County: Ramah
	YEAR ENDING : December 2019

This Information From The Records Of Town of Ramah:	Prepared By: Cindy Tompkins Phone:
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I. DISPOSITION OF HIGHWAY-USER REVENUES AVAILABLE FOR LOCAL GOVERNMENT EXPENDITURE

ITEM	A. Local Motor-Fuel Taxes	B. Local Motor-Vehicle Taxes	C. Receipts from State Highway-User Taxes	D. Receipts from Federal Highway Administration
1. Total receipts available				
2. Minus amount used for collection expenses				
3. Minus amount used for nonhighway purposes				
4. Minus amount used for mass transit				
5. Remainder used for highway purposes				

II. RECEIPTS FOR ROAD AND STREET PURPOSES	III. DISBURSEMENTS FOR ROAD AND STREET PURPOSES
--	--

ITEM	AMOUNT	ITEM	AMOUNT
A. Receipts from local sources:		A. Local highway disbursements:	
1. Local highway-user taxes		1. Capital outlay (from page 2)	0
a. Motor Fuel (from Item I.A.5.)		2. Maintenance:	1,578
b. Motor Vehicle (from Item I.B.5.)		3. Road and street services:	
c. Total (a.+b.)		a. Traffic control operations	0
2. General fund appropriations		b. Snow and ice removal	580
3. Other local imposts (from page 2)	1,338	c. Other	5,362
4. Miscellaneous local receipts (from page 2)	2,003	d. Total (a. through c.)	5,942
5. Transfers from toll facilities		4. General administration & miscellaneous	7,185
6. Proceeds of sale of bonds and notes:		5. Highway law enforcement and safety	
a. Bonds - Original Issues		6. Total (1 through 5)	14,705
b. Bonds - Refunding Issues		B. Debt service on local obligations:	
c. Notes		1. Bonds:	
d. Total (a. + b. + c.)	0	a. Interest	
7. Total (1 through 6)	3,341	b. Redemption	
B. Private Contributions		c. Total (a. + b.)	0
C. Receipts from State government (from page 2)	11,364	2. Notes:	
D. Receipts from Federal Government (from page 2)	0	a. Interest	
E. Total receipts (A.7 + B + C + D)	14,705	b. Redemption	
		c. Total (a. + b.)	0
		3. Total (1.c + 2.c)	0
		C. Payments to State for highways	
		D. Payments to toll facilities	
		E. Total disbursements (A.6 + B.3 + C + D)	14,705

IV. LOCAL HIGHWAY DEBT STATUS
(Show all entries at par)

	Opening Debt	Amount Issued	Redemptions	Closing Debt
A. Bonds (Total)				0
1. Bonds (Refunding Portion)				
B. Notes (Total)				0

V. LOCAL ROAD AND STREET FUND BALANCE

	A. Beginning Balance	B. Total Receipts	C. Total Disbursements	D. Ending Balance	E. Reconciliation
		14,705	14,705		0

Notes and Comments:

See the accompanying Independent Auditor's Report.

LOCAL HIGHWAY FINANCE REPORT		STATE: Colorado	
		YEAR ENDING (mm/yy): December 2019	
II. RECEIPTS FOR ROAD AND STREET PURPOSES - DETAIL			
ITEM	AMOUNT	ITEM	AMOUNT
A.3. Other local imposts:		A.4. Miscellaneous local receipts:	
a. Property Taxes and Assessments		a. Interest on investments	
b. Other local imposts:		b. Traffic Fines & Penalties	
1. Sales Taxes		c. Parking Garage Fees	
2. Infrastructure & Impact Fees		d. Parking Meter Fees	
3. Liens		e. Sale of Surplus Property	
4. Licenses		f. Charges for Services	1,926
5. Specific Ownership &/or Other	1,338	g. Other Misc. Receipts	
6. Total (1. through 5.)	1,338	h. Other road and bridge	77
c. Total (a. + b.)	1,338	i. Total (a. through h.)	2,003
	(Carry forward to page 1)		(Carry forward to page 1)
III. DISBURSEMENTS FOR ROAD AND STREET PURPOSES - DETAIL			
ITEM	AMOUNT	ITEM	AMOUNT
C. Receipts from State Government		D. Receipts from Federal Government	
1. Highway-user taxes	10,592	1. FHWA (from Item I.D.5.)	
2. State general funds		2. Other Federal agencies:	
3. Other State funds:		a. Forest Service	
a. State bond proceeds		b. FEMA	
b. Project Match		c. HUD	
c. Motor Vehicle Registrations	772	d. Federal Transit Admin	
d. Other (Specify) - DOLA Grant		e. U.S. Corps of Engineers	
e. Other (Specify)		f. Other Federal - CDBG	
f. Total (a. through e.)	772	g. Total (a. through f.)	0
4. Total (1. + 2. + 3.f)	11,364	3. Total (1. + 2.g)	
			(Carry forward to page 1)
		ON NATIONAL HIGHWAY SYSTEM (a)	OFF NATIONAL HIGHWAY SYSTEM (b)
		TOTAL (c)	
A.1. Capital outlay:			
a. Right-Of-Way Costs			0
b. Engineering Costs			0
c. Construction:			
(1). New Facilities			0
(2). Capacity Improvements			0
(3). System Preservation			0
(4). System Enhancement & Operation			0
(5). Total Construction (1) + (2) + (3) + (4)		0	0
d. Total Capital Outlay (Lines 1.a. + 1.b. + 1.c.5)		0	0
			(Carry forward to page 1)
Notes and Comments:			

2021 BUDGET MESSAGE

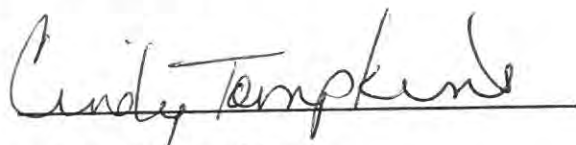
The Town of Ramah budget is created using a cash basis of accounting. No flat percentage increases were adopted. The Town of Ramah is a small town with no viable businesses and little to no growth. The Town's assessed valuation increased to \$545,550 which is approximately a 2% increase. Most line items remained the same, or increased slightly to reflect higher expenses for utilities, supplies, testing, insurance, etc.

The Town of Ramah total budget, including all funds is \$147,400. The Town of Ramah will be looking for additional grants for our sewer project and the budget may need to be amended. The Town increased our sewer rates in 2020 and is again increasing them in 2021 in anticipation of the large sewer project. The Town budget includes money for general government operations, Ramah Cemetery, the town park, street repair, maintenance and snow remove, Conservation Trust Fund and the town's water and wastewater services.

Any questions regarding this budget may be addressed to Cindy Tompkins, Town Clerk/Treasurer at 719-541-2163

Sincerely,

TOWN OF RAMAH

A handwritten signature in cursive script that reads "Cindy Tompkins". The signature is written in black ink and is positioned above a solid horizontal line.

Cindy M Tompkins

Town Clerk/Treasurer

GENERAL FUND

The General Fund contains all the Town revenue and expenditures except those specifically allocated for other purposes, such as the Water, Sewer and Conservation Trust funds. It is the major fund for all ordinary expenditures of the Town and includes Administrative, Cemetery, Streets and Recreation.

SOURCES OF FUNDS

Property taxes fund approximately 35% of the General Fund 2021 Budget. The mill levy for 2020 is 19.827 mills

Another major source of revenue for the General Fund is derived from Highway Users Tax Fund which accounts for 24% of the General Fund Budget.

All other items such as a franchise fee, cemetery funds, building permits and specific ownership taxes remain flat.

EXPENDITURES

Administration and Non-Departmental Services:

As in previous years, personnel services account for one of the greatest expenditures in the 2021 budget. Most line items remained flat with office supplies being spread out between all funds.

Streets:

Street maintenance is still a priority. The funds received from the Pikes Peak Rural Transportation Authority will be used in 2021 to assist with some drainage issues.

Parks:

The park budget remains the same as in previous years.

Cemetery:

Cemetery expenses should remain flat in 2021. Improvements are being done as funds permit.

WATER FUND

The Water Fund is an enterprise fund funded solely on water user fees and tap fees. The Town of Ramah provides metered water service to all Town residents from two deep wells. The 2021 Water Fund Budget is \$38,312.

The services provided by the Town include required water testing, water main maintenance, installations, upgrade and repair, water meter repair, replacement and new meter installation, monthly meter reading for billing purposes, storage tank, well and booster pump maintenance and chlorinator repair and maintenance. The Water Fund also funds salaries, benefits and overtime for Town employees.

Reserve building is still a high priority for the water fund and will continue.

SEWER FUND

The Sewer Fund is an enterprise fund funded solely through the collection of monthly user fees and new service tap fees. The 2021 Budget for the Sewer Fund is \$52,193 which includes an increasing reserve balance. With the revenue collected, the Town of Ramah provides the maintenance of the wastewater facility per state and federal regulations, monthly billing of users and wages and benefits for Town employees. Residents are billed a monthly flat rate that was increase in 2020 and will be increased in January, 2021.

The Town purchase property in 2020 to relocate the sewer lagoon system. The Town will be actively searching for grants and loans to assist with this project in 2021 and 2022.

CONSERVATION TRUST FUND

The Conservation Trust Fund revenues are received from lottery sales and are used exclusively for the Town Park, ball field and trails.

The Conservation Trust Fund has an anticipated beginning balance of \$12,403. This will be available for continued improvements of the recreation facilities in the Town of Ramah

GENERAL FUND

The General Fund contains all Town revenue and expenditures except those specifically allocated for other purposes, such as the Water, Sewer and Conservation Trust Funds. It is the major fund for all ordinary expenditures of the Town and includes Administrative, Cemetery, Streets and recreation.

SOURCES OF FUNDS

Property taxes fund approximately 31% of the General Fund 2020 Budget less the grant funds. The mill levy for 2019 is 19.827 mills.

Another major source of revenue for the General Fund is derived from Highway Users Tax Fund which accounts for 30% of the General fund budget.

All other items such as a franchise fee, cemetery funds, building permits and specific ownership taxes remain flat.

EXPENDITURES

Administration and Non-Departmental Services:

As in previous years, personnel services account for one of the greatest expenditures in the 2020 Budget. Most line items remained flat with office supplies being spread out between all of the funds. The town has also budgeted for an audit that may be done in 2020 or 2021 instead of the audit exemption done the last 5 years.

Streets:

Street maintenance is still a priority. The funds received from the Pikes Peak Rural Transportation Authority help fund needed repairs and any capital improvements.

Parks:

The Park budget remains the same as in previous years.

Cemetery:

Cemetery expenses were should remain flat in 2020. The Town continues to work on improvements to the cemetery as funds permit.

2021 GENERAL/STREET FUND BUDGET

	2015	2016	2017	2018	2019	2020	2020	2021
						thru Aug	ANNUALIZED	
BEGINNING BALANCE	-\$1,204	\$11,622	\$14,420	\$12,875	\$14,565	\$11,710	\$11,710	\$13,492
EXPENDITURES								
MAINTENANCE	\$728	\$1,492	\$884	\$1,131	\$375	\$88	\$100	\$100
Street maintenance	\$597	\$1,193	\$424	\$1,927	\$1,202	\$268	\$1,000	\$1,000
Wages	\$9,402	\$9,616	\$12,008	\$11,049	\$8,184	\$6,495	\$8,000.00	\$9,000
Street Wages					\$2,436		\$1,500.00	\$1,500
FICA					\$940	\$483		\$803
WORK COMP	\$528	\$300	\$191	\$169	\$186	\$119	\$200	\$200
INSURANCE	\$1,999	\$1,772	\$1,808	\$1,296	\$1,758	\$1,535	\$2,000.00	\$2,000
OFFICE EXPENSES	\$1,302	\$968	\$1,343	\$1,096	\$1,784	\$1,611	\$1,600	\$1,600
MOSQUITO CONTROL	\$0	\$832	\$1,370	\$695	\$1,440	\$750	\$750	\$750
TELEPHONE	\$276	\$296	\$305	\$312	\$363	\$240	\$360.14	\$365
UTILITIES-Elec	\$501	\$530	\$589	\$558	\$566	\$317	\$476.00	\$500
Utilities-street lights	\$4,882	\$5,415	\$5,708	\$5,811	\$5,362	\$3,885	\$5,827.31	\$5,900
utilities-propane	\$1,205	\$849	\$1,105	\$1,280	\$1,385	\$940	\$1,400	\$1,400
EDUCATION & TRAINING	\$0	\$480	\$0	\$108	\$0	\$0	\$200	\$200
LEGAL	\$83		\$0	\$2,082	\$3,616	\$1,986	\$3,000	\$3,000
PUBLICATIONS	\$90	\$85	\$119	\$132	\$108	\$49	\$100	\$100
MILEAGE PER DIEM & FUEL	\$752	\$1,722	\$1,918	\$1,178	\$1,290	\$475	\$713.22	\$500
SOFTWARE	\$0						\$0	
CAPITAL OUTLAY-EQUIP	\$0	\$7,761	\$873	\$492		\$500	\$500	
CEMETERY	168.81	434.9	0	456	602.04	0	\$200	\$200
AUDIT/CPA	\$500						\$6,000	
RAMAH DAYS	\$1,340	\$1,817	\$1,956	\$2,195	\$2,407	\$0	\$0	\$2,500
MISCELLANEOUS	\$703	\$328	\$0	\$560	\$105	\$0	\$250	\$250
RECREATION SUPPLIES & EXP (xmas)	\$929	\$913	\$814	\$762	\$748	\$125	\$600	\$600
COUNTY TREASURER'S FEES	\$103	\$84	\$172	\$87	\$95	\$102	\$120	\$120
Snow removal	\$495	\$293	\$0	\$0	\$580	\$0	\$500	\$500
TRASH	\$617	\$617	\$617	\$645	\$568	\$432	\$648.00	\$650
RENT FOR LEGION HALL	\$655	\$605	\$715	\$660	\$660	\$248	\$744.00	\$744
DONATIONS/SCHOLARSHIPS	\$0							
BOOKS/SUBSCRIPTIONS/MEMB	\$240	\$247	\$241	\$354	\$239	\$18	\$250	\$250
ELECTION	\$0	\$24	\$0				\$0	
STREET SIGNS	\$0		\$0	\$42	\$0		\$0	\$250
PPRTA REIMBURSEMENT	\$0		\$0					
CONTRACT LABOR	\$0		\$40	\$1,069	\$795	\$528	\$600	\$500
ROOF INSURANCE CLAIM			\$0					
CDBG GRANTS - PAVING			\$0					
CDBG GRANTS - CLEAN&GREEN			\$0					
CDBG GRANTS			\$0					
CONTINGENCY								\$8,924
TOTAL EXPENDITURES	\$28,094	\$38,671	\$33,201	\$36,144	\$37,794	\$21,195	\$37,639	\$44,406
ENDING BALANCE	\$11,622	\$14,420	\$12,875	\$14,565	\$11,710	\$23,562	\$13,492	\$0

TOWN OF RAMAH

2021 WATER FUND BUDGET

thru Aug ANNUALIZED

	2014	2015	2016	2017	2018	2019	2020	2020	2021
BEGINNING BALANCE	-\$11,243	-\$18,939	-\$10,665	-\$9,103	-\$5,299	\$3,702	\$3,702	\$3,702	\$8,862
RESERVE BALANCES	\$14,592	\$19,262	\$21,021	\$19,938	\$25,170	\$25,624	\$25,244	\$25,244	\$22,124
REVENUES									
WATER SERVICE CHARGES	\$24,885	\$27,597	\$29,226	\$28,218	\$28,340	\$27,840	\$19,591	\$29,386.14	\$29,000
METER DEPOSITS								\$0	
HOOK-UP CHARGES									
LATE FEES	\$738	\$572	\$680	\$585	\$600	\$545	\$71	\$71.00	\$250
TAP FEES		\$3,000			\$3,000		\$3,000		
MISCELLANEOUS				\$1,210		\$84	\$783	\$783	
INSURANCE CLAIM								\$0	
GRANT	\$49,134	\$6,394		\$2,082	\$4,328			\$4,328	
GRANT - CDBG	\$18,843								
TOTAL REVENUES	\$93,600	\$37,563	\$29,905	\$32,095	\$36,268	\$28,470	\$23,444	\$34,568	\$29,250
TRANSFER FROM CD TO CHECKING									
INTEREST	\$297	\$205	\$259	\$416	\$233	\$369	\$38	\$100.00	\$200
TOTAL RESOURCES	\$82,654	\$18,829	\$19,499	\$23,409	\$31,202	\$32,541	\$27,184	\$38,270	\$38,312
EXPENDITURES									
REPAIR/MAINTENANCE	\$1,879	\$1,635	\$228	\$2,163	\$2,074	\$2,393	\$3,995	\$2,000.00	\$4,000
Salary	\$11,336	\$10,285	\$9,416	\$9,550	\$11,205	\$9,675	\$7,051	\$10,576.79	\$10,500
FICA						\$681	\$403	\$605.12	\$803
WORK COMP	\$104	\$264	\$150	\$136	\$84	\$144	\$34	\$200	\$200
INSURANCE	\$841	\$1,000	\$850	\$863	\$654	\$879	\$767	\$1,000	\$1,000
OFFICE SUPPLIES/EXPENSES	\$211	\$203	\$78	\$0	\$347	\$302	\$83	\$300	\$300
TELEPHONE	\$152	\$151	\$161	\$166	\$170	\$176	\$131	\$200	\$200
UTILITIES-ELECTRIC	\$3,699	\$3,651	\$4,765	\$5,192	\$5,234	\$4,833	\$3,651	\$5,476.92	\$5,200
utilities-propane	\$2,329	\$986	\$346	\$440	\$868	\$1,124	\$714	\$1,074	\$1,100
EDUCATION & TRAINING	\$220	\$860	\$529	\$220	\$293	\$0	\$135	\$325	\$400
LEGAL	\$0	\$0						\$0	
Legal publications	\$486	\$72	\$56	\$42	\$125	\$46	\$50	\$100	\$100
EQUIP FUEL & MILEAGE	\$709	\$396	\$88	\$142				\$100	\$300
SOFTWARE	\$0	\$0							
CAPITAL OUTLAY - ROOF CLAIM			\$4,650					\$0	
CAPITAL OUTLAY-TANK REPAIRS									
DEBT SERVICE	\$4,049	\$4,073	\$4,091	\$4,056	\$4,068	\$4,074	\$2,025	\$4,100	\$4,100
GRANT EXPENSES	\$20,000			\$4,095				\$0	
TESTS	\$2,565	\$1,607	\$2,881	\$1,348	\$2,029	\$3,684	\$835	\$3,000	\$3,000
SUPPLIES	\$614	\$9	\$64	\$44	\$99	\$38	\$46	\$100	\$100
BOOKS/SUBSCRIPTIONS/MEMB	\$225	\$225	\$250	\$250	\$250	\$250	\$250	\$250	\$250
METERS									
WATER RESERVE/CONTINGENCY									\$6,759
AUDIT	1000								
WATER VALVE PROJECT	51174.15	4078							
CONTINGENCY									
TOTAL EXPENDITURES	\$101,593	\$29,493	\$28,602	\$28,707	\$27,500	\$28,299	\$20,172	\$29,408	\$38,312
CD - WATER RESERVE									
ENDING BALANCE	-\$18,939	-\$10,665	-\$9,103	-\$5,299	\$3,702	\$4,242	\$7,012	\$8,862	\$0

**Town of Ramah
2021 Sewer Fund Budget**

thru Aug ANNUALIZED

	2014	2015	2016	2017	2018	2019	2020	2020	2021
Beginning Balance	2951	3721	5927	10139	10546	17835	17835	17835	27139
CD balances	22771	26602	28560	29540	33092	33717	33253	33253	30006.1
SEWER USER FEES	11760	14288	14615	14252	14247	14480	12962	19443	24304
INTEREST									
TAP FEES					3000		3000	3000	
LATE FEES	685	600	590	615	600	545	70	70	250
OTHER-CIRSA									
GRANT				2082			132894	135000	
CDBG GRANT - SEPTIC TANK									
MISC									
Total Revenue	12445	14888	15205	16949	17847	15025	148926	157513	24554
cd#11537									
cd#11538									
interest	536	147	458	480	552	625	83	500	500
Total Resource	15931	18757	21590	27568	28946	33485	166844	175848	52193
Expenditures									
EQUIP REPAIR/MAINT	641	431	0	0	623	0	13350	250	250
WAGES	5076	4911	6083	5008	5410	4974	3369	5054	5100
FICA						422	250	375	390
WORK COMP	104	264	150	136	84	144	85	200	200
INSURANCE	841	999	850	862	654	879	767	1000	1000
OFFICE EXP / SUPPLY	127		100			92	0	100	100
TELEPHONE	76	75	81	83	85	88	65	100	100
UTILITIES									
EDUCATION / TRAINING	0	200	0	0				100	100
ENGINEERING/CONSULTING						210	308	500	500
Legal publications	277	70	54	41	121	45	49	80	80
MLG PER DIEM	0	0					72	100	
SOFTWARE									
CAPITAL OUTLAY / EQUIP									
DEBT SERVICE	4049	4073	4091	4056	4068	4074	2025	4100	4100
GRANT				6805			120017	135000	
SEWER LINE CLEANING							650	650	
AUDIT	1000							1000	
SUPPLIES	19	6	42	29	66	26	31	100	100
SEWER RESERVE									
SEPTIC TANK CLEANING		1800							
CONTINGENCY									40173
Total Expenditures	12210	12829	11451	17022	11111	10953	141038	148709	52193
Total Resource									
Balance =	3721	5927	10139	10546	17835	22532	25806	27139	0

TOWN OF RAMAH

2021 CONSERVATION TRUST FUND BUDGET

	2014	2015	2016	2017	2018	2019	2020	2020	2021
	THRU AUG ANNUALIZED								
BEGINNING BALANCE	\$5,578	\$6,871	\$8,100	\$9,525	\$10,793	\$12,116	\$12,116	\$12,116	\$12,403
REVENUES									
STATE DISTRIBUTION	\$1,288	\$1,222	\$1,416	\$1,259	\$1,306	\$1,478	\$641	\$1,281.36	\$1,500
INTEREST	\$5	\$7	\$9	\$10	\$16	\$11	\$5	\$6	\$10
TRANSFERS FROM GF									
TOTAL REVENUES	\$1,293	\$1,229	\$1,425	\$1,269	\$1,322	\$1,489	\$646	\$1,287	\$1,510
TOTAL RESOURCES	\$6,871	\$8,100	\$9,525	\$10,793	\$12,116	\$13,605	\$12,762	\$13,403	\$13,913
EXPENDITURES									
PARK	\$0	\$0	\$0		\$0	\$2,825	\$0	\$1,000	\$3,000
CONTINGENCY									\$9,489
TOTAL EXPENDITURES	\$0	\$0			\$0		\$0	\$1,000	\$12,489
ENDING BALANCE	\$6,871	\$8,100	\$9,525	\$10,793	\$12,116	\$13,605	\$12,762	\$12,403	\$1,424

PPRTA BOARD OF DIRECTORS
CAC APPLICATION REVIEW SUBCOMMITTEE MEETING

SPECIAL MEETING AGENDA*

Thursday, January 28, 2021 at 9:30 AM

Join Zoom Meeting

<https://ppacg.zoom.us/j/99817636424?pwd=M09Xci9aVFNrblFMeFNGRTYweXdsZz09&from=addon>

Meeting ID: 998 1763 6424 Passcode: 324028

One tap mobile: +13462487799,,99817636424#

Dial in: 346 248 7799

	AGENDA ITEM	ACTION
1	Call to Order / Establish a Quorum	
2	Review of PPRTA CAC At Large Alternate Applications	Recommendation
3	Adjournment	Approve

Respectfully Submitted,
Rick Sonnenburg, PPRTA Board Secretary

*All participation in this meeting will be via online and telephone conference in order to preserve the health, safety, and welfare of the public in light of the imminent threat caused by the Covid-19 pandemic and due to the state of emergency declared by Governor Polis, as amended and extended, corresponding executive orders and public health orders, as amended and extended, and CDC recommendations against gathering in large groups in order to mitigate the spread of the Covid-19 virus.

**TOWN OF RAMAH
ORDINANCE 2020-03
ADOPTION OF THE 2021 BUDGET**

AN ORDINANCE SUMMARIZING EXPENDITURES AND REVENUES FOR EACH FUND AND ADOPTING A BUDGET FOR THE TOWN OF RAMAH, COLORADO, FOR THE CALENDAR YEAR BEGINNING ON THE FIRST DAY OF JANUARY, 2021, AND ENDING ON THE LAST DAY OF DECEMBER, 2021.

WHEREAS, the Board of Trustees of the Town of Ramah has appointed Cindy M. Tompkins, Town Clerk/Treasurer to prepare and submit a proposed budget to said governing body at the proper time, and;

WHEREAS, Cindy Tompkins, Town Clerk, has submitted a proposed budget to this governing body on October 14, 2020, for its consideration, and;

WHEREAS, upon due and proper notice, published in accordance with the law, said proposed budget was open for inspection by the public at the Ramah Town Hall, a public hearing was held on December 11, 2019, 2020 and interested taxpayers were given the opportunity to file or register any objections to said proposed budget, and;

WHEREAS, whatever increases may have been made in the expenditures, like increases were added to the revenues so that the budget remains in balance, as required by law.

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF TRUSTEES OF THE TOWN OF RAMAH, COLORADO:

Section 1. That the budget as submitted, amended, and summarized by fund, hereby is approved and adopted as the budget of the Town of Ramah for year 2021.

Section 2. That the budget hereby approved and adopted shall be signed by Dennis Carpenter, Mayor, and Cindy M. Tompkins, Town Clerk, and made a part of the public records of the Town of Ramah.

ADOPTED, this 9^H day of December, 2020.

(Seal)


DENNIS CARPENTER
Mayor

ATTEST:


CINDY M. TOMPKINS
Town Clerk

**TOWN OF RAMAH
ORDINANCE 2020-04
MILL LEVY**

**AN ORDINANCE LEVYING GENERAL PROPERTY TAXES
FOR THE YEAR 2020, TO HELP DEFRAY THE COSTS OF GOVERNMENT
FOR THE TOWN OF RAMAH, COLORADO,
FOR THE 2021 BUDGET YEAR**

WHEREAS, the Board of Trustees of the Town of Ramah has adopted the annual budget in accordance with the Local Government Budget Law, on December 9, 2020, and;

WHEREAS, the amount of money necessary to balance the budget for general operating purposes from property tax revenue is **\$10,817**. and;

WHEREAS, the 2020 valuation assessment for the Town of Ramah as certified by the El Paso County Assessor is **\$545,550**,

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF TRUSTEES OF THE TOWN OF RAMAH, COLORADO:

Section 1. That for the purpose of meeting all general operating expenses of the Town of Ramah during the 2021 budget year, there is hereby levied a tax of **19.827 mills** upon each dollar of the total valuation for assessment of all taxable property within the Town of Ramah for the year 2020.

Section 2. That the Town Clerk is hereby authorized and directed to immediately certify to the County Commissioners of El Paso County, Colorado, the mill levy for the Town of Ramah as herein above determined and set based upon the final November certification of valuation from the El Paso County Assessor.

ADOPTED this 9th day of December, 2020.

(Seal)



DENNIS CARPENTER
Mayor

ATTEST:



CINDY M TOMPKINS
Town Clerk

**TOWN OF RAMAH
ORDINANCE 2020-05
APPROPRIATION OF MONEY**

AN ORDINANCE APPROPRIATING SUMS OF MONEY TO THE VARIOUS FUNDS AND SPENDING AGENCIES, IN THE AMOUNTS AND FOR THE PURPOSE AS SET FORTH BELOW, FOR THE TOWN OF RAMAH, COLORADO FOR THE 2021 BUDGET YEAR.

WHEREAS, the Board of Trustees of the Town of Ramah has adopted the annual budget in accordance with Local Government Budget Law, on December 9, 2020, and;

WHEREAS, the Board of Trustees has made provision therein for revenues in an amount equal to or greater than the total proposed expenditures as set forth in said budget, and;

WHEREAS, it is not only required by law, but also necessary to appropriate the revenues, reserves and fund balances provided in the budget to and for the purposes described below, thereby establishing a limitation on expenditures for the operations of the Town of Ramah.

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF TRUSTEES OF THE TOWN OF RAMAH, COLORADO:

Section 1. That the following sums are hereby appropriated from the revenue of each fund, to each fund, for the purposes stated:

	GENERAL FUND	WATER FUND	SEWER FUND
Current Operating Expenses	\$44,406	\$34,212	\$48,093
Capital Outlay	0	0	0
Debt Service	0	\$4,100	\$4,100
Grants		0	
		0	
TOTALS	\$44,406	\$38,312	\$52,193

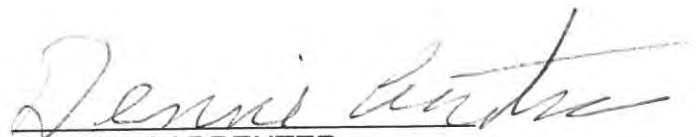
FUND	2021 APPROPRIATION
Conservation Trust Fund	\$13,913

ADOPTED this 9TH day of December, 2020

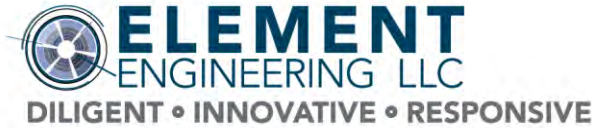
(Seal)

ATTEST:


CINDY M TOMPKINS
Town Clerk


DENNIS CARPENTER
Mayor

**APPENDIX F
AGENCY REVIEW TRANSMITTALS**



TRANSMITTAL FORM

To: <u>CDPHE WQCD – Engineering Section</u> <u>4300 Cherry Creek Drive South</u> <u>Denver, CO 80246-1530</u>	Date: <u>November 17, 2021</u> Re: <u>Town of Ramah Wastewater and Lift Station Site Applications</u>
Attn: <u>Mr. Bret Icenogle</u>	Job No.: <u>00043.0001</u> From: <u>Alice Arsenault, P.E.</u> Phone: <u>(303) 981-0453</u>

Via:

Mail
 Fax
 FedEx
 Courier
 Other

Item List:

Copies	Description
1	Town of Ramah Wastewater Treatment Plant 22.6 Site Application
1	Town of Ramah Lift Station 22.9 Site Application
1	Wastewater Treatment Plant and Lift Station 30% Concept Plans

These are transmitted:

For your approval
 For your use
 As requested
 For review and comment

Remarks

TRANSMITTAL FORM

To: <u>Town of Ramah</u> <u>113 S Commercial Street</u> <u>Ramah, CO 80832</u>	Date: <u>November 17, 2021</u> Re: <u>Town of Ramah Wastewater and Lift Station Site Applications</u>
Attn: <u>Cindy Tompkins</u>	Job No.: <u>00043.0001</u> From: <u>Alice Arsenault, P.E.</u> Phone: <u>(303) 981-0453</u>

Via:

Mail
 Fax
 FedEx
 Courier
 Other

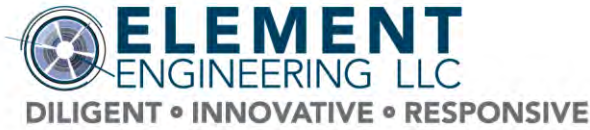
Item List:

Copies	Description
1	Town of Ramah Wastewater Treatment Plant 22.6 Site Application
1	Town of Ramah Lift Station 22.9 Site Application
1	Wastewater Treatment Plant and Lift Station 30% Concept Plans

These are transmitted:

For your records
 For your use
 As requested
 For review and comment

Remarks



TRANSMITTAL FORM

To: <u>El Paso County Public Health</u> <u>1675 W Garden of the Gods Rd.</u> <u>Suite 2044</u> <u>Colorado Springs, CO 80907</u>	Date: <u>November 17, 2021</u> Re: <u>Town of Ramah Wastewater and Lift Station Site Applications</u>
Attn: _____	Job No.: <u>0043.0001</u> From: <u>Alice Arsenault, P.E.</u> Phone: <u>(303) 981-0453</u>

Via:

Mail
 Fax
 FedEx
 Courier
 Other

Item List:

Copies	Description
1	Town of Ramah Wastewater Treatment Plant 22.6 Site Application
1	Town of Ramah Lift Station 22.9 Site Application
1	Wastewater Treatment Plant and Lift Station 30 % Concept Plans
2	Forms for El Paso County Public Health Signature

These are transmitted:

For your approval For your use
 As requested For review and comment

Remarks

Please find the attached two site application reports. CDPHE Regulation 22 requires that local referral agencies be sent a copy of these reports to notify them of the project. By signing the attached "Applicant Certification and Review Agency Recommendation", the entity or agency: 1) acknowledges receipt of the proposed site location applications, 2) has reviewed the proposed site location applications and may elect to provide comments, and 3) has provided a recommendation concerning the applications to the Division.

Please return the attached forms to:
 Alice Arsenault
 Element Engineering
 12687 W Cedar Drive, Suite 300
 Lakewood, CO 80228
 alicea@elementengineering.net

TRANSMITTAL FORM

To: <u>El Paso County – Planning & Community Development</u> <u>2880 International Circle,</u> <u>Suite 110</u> <u>Colorado Springs, CO 80910</u>	Date: <u>November 17, 2021</u> Re: <u>Town of Ramah Wastewater and Lift Station Site Applications</u>
Attn: _____ _____	Job No.: <u>0043.0001</u> From: <u>Alice Arsenault, P.E.</u> Phone: <u>(303) 981-0453</u>

Via:

Mail
 Fax
 FedEx
 Courier
 Other

Item List:

Copies	Description
1	Town of Ramah Wastewater Treatment Plant 22.6 Site Application
1	Town of Ramah Lift Station 22.9 Site Application
1	Wastewater Treatment Plant and Lift Station 30 % Concept Plans
2	Forms for El Paso County Signature

These are transmitted:

For your approval For your use
 As requested For review and comment

Remarks
<p>Please find the attached two site application reports. CDPHE Regulation 22 requires that local referral agencies be sent a copy of these reports to notify them of the project. By signing the attached “Applicant Certification and Review Agency Recommendation”, the entity or agency: 1) acknowledges receipt of the proposed site location applications, 2) has reviewed the proposed site location applications and may elect to provide comments, and 3) has provided a recommendation concerning the applications to the Division.</p> <p>Please return the attached forms to: Alice Arsenault Element Engineering 12687 W Cedar Drive, Suite 300 Lakewood, CO 80228 alicea@elementengineering.net</p>

TRANSMITTAL FORM

To: <u>Pikes Peak Area Council of Governments</u> <u>15 S 7th Street</u> <u>Colorado Springs, CO 80905</u>	Date: <u>November 17, 2021</u> Re: <u>Town of Ramah Wastewater and Lift Station Site Applications</u>
Attn: _____	Job No.: <u>0043.0001</u> From: <u>Alice Arsenault, P.E.</u> Phone: <u>(303) 981-0453</u>

Via:

Mail
 Fax
 FedEx
 Courier
 Other

Item List:

Copies	Description
1	Town of Ramah Wastewater Treatment Plant 22.6 Site Application
1	Town of Ramah Lift Station 22.9 Site Application
1	Wastewater Treatment Plant and Lift Station 30 % Concept Plans
2	Forms for Pikes Peak Area Council of Governments Signature

These are transmitted:

For your approval
 For your use
 As requested
 For review and comment

Remarks

Please find the attached two site application reports. CDPHE Regulation 22 requires that local referral agencies be sent a copy of these reports to notify them of the project. By signing the attached "Applicant Certification and Review Agency Recommendation", the entity or agency: 1) acknowledges receipt of the proposed site location applications, 2) has reviewed the proposed site location applications and may elect to provide comments, and 3) has provided a recommendation concerning the applications to the Division.

Please return the attached forms to:
 Alice Arsenault
 Element Engineering
 12687 W Cedar Drive, Suite 300
 Lakewood, CO 80228
 alicea@elementengineering.net

**APPENDIX G
30% PLANS**

30% CONCEPT PLANS

TOWN OF RAMAH

WASTEWATER SYSTEM IMPROVEMENTS

0.015 MGD WASTEWATER TREATMENT PLANT

SECTION 1, TOWNSHIP 11S, RANGE 61W, 6TH PRINCIPAL MERIDIAN AND SECTION 1, TOWNSHIP 11S, RANGE 61W, 6TH P.M.

PREPARED FOR

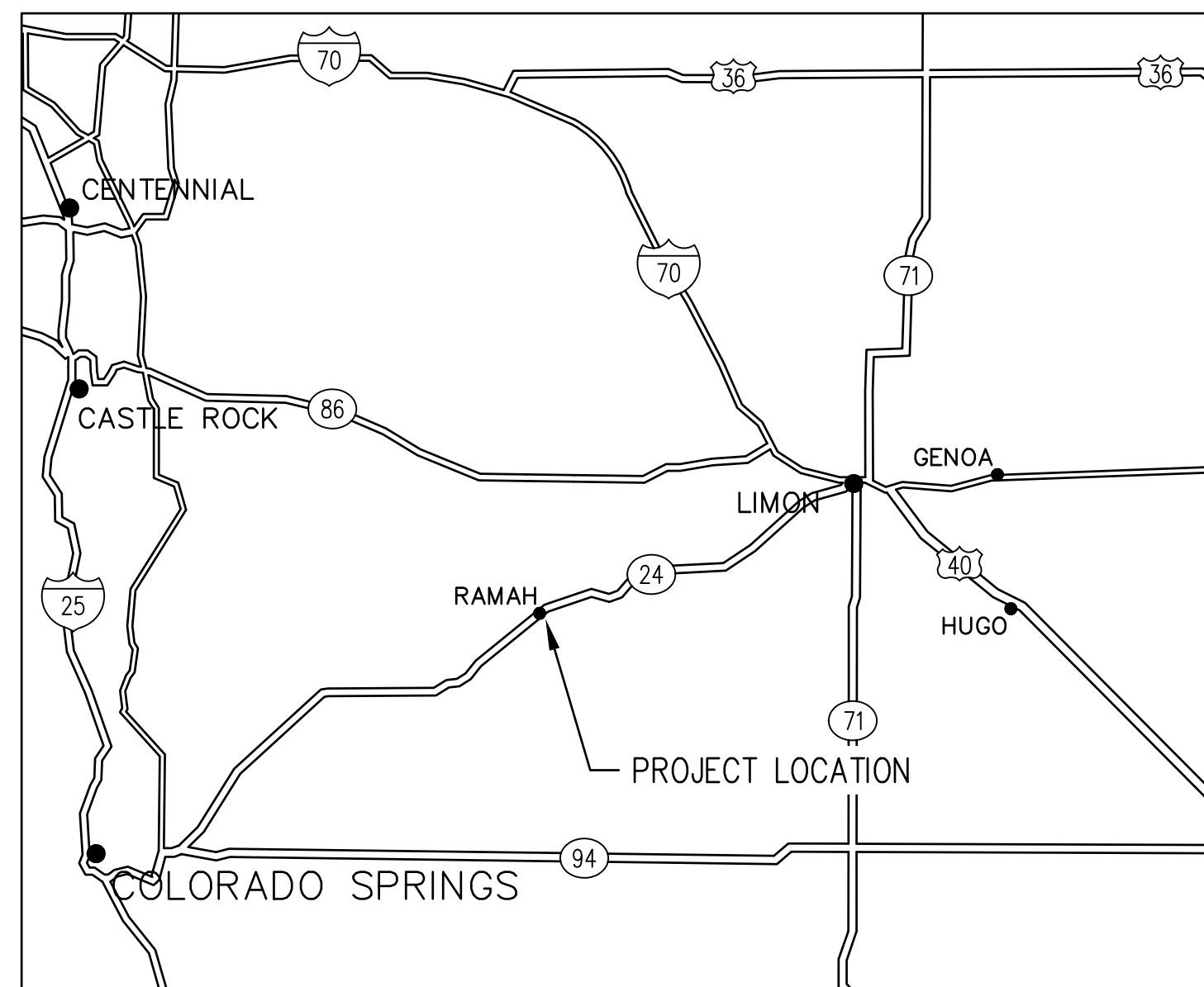
TOWN OF RAMAH
 DAN SOTOMAYOR, PUBLIC WORKS DIRECTOR
 719.322.7897
 113 S COMMERCIAL ST.
 RAMAH, CO 80832

EMERGENCY CONTACT

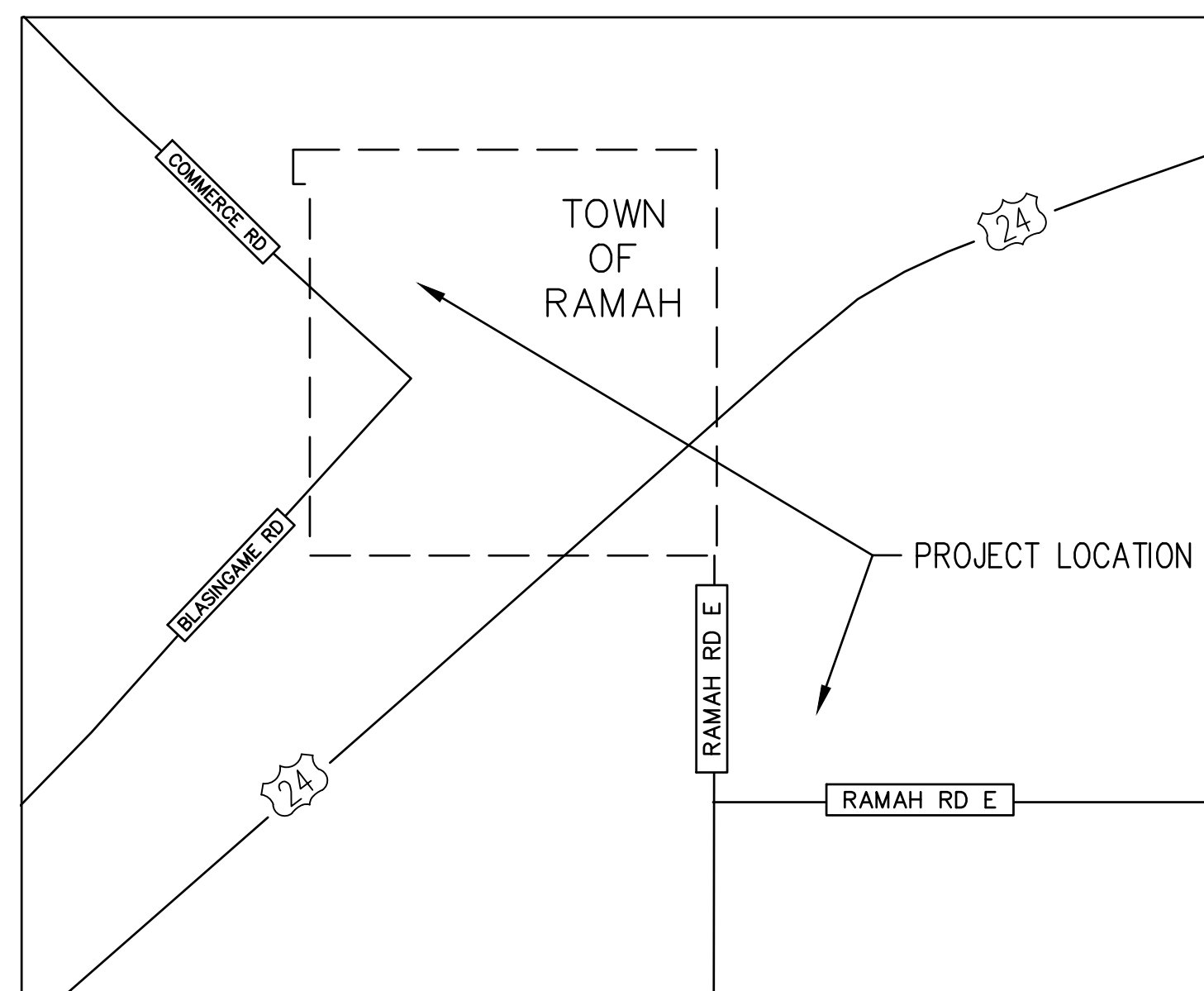
DAN SOTOMAYOR
 719.322.7897

ENGINEERING

ELEMENT ENGINEERING, LLC
 ALICE M. ARSENAULT, P.E.
 P.E. NO. 53350
 ELEMENT ENGINEERING, LLC
 12687 W. CEDAR DR., SUITE 300
 LAKEWOOD, CO 80228
 303.981.0453



LOCATION MAP
NTS



VICINITY MAP
NTS

SHEET INDEX	
CIVIL	
C1	COVER SHEET
C2	GENERAL NOTES
C3	PROCESS FLOW DIAGRAM
C4	SITE PLAN
C5	SITE PLAN 2
C6	SITE PLAN 3
C7	POND DETAILS
C8	LIFT STATION DETAILS
C9	LIFT STATION DETAILS 2
ARCHITECTURAL	
MECHANICAL	
ELECTRICAL	
STRUCTURAL	



NO.	REVISIONS DESCRIPTION	DATE	BY
1			

WASTEWATER TREATMENT PLANT	COVER	TOWN OF RAMAH 113 S. COMMERCIAL STREET RAMAH, CO 80832
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PREPARED UNDER THE DIRECT SUPERVISION OF	
FOR AND ON BEHALF OF ELEMENT ENGINEERING, LLC	
DATE	DECEMBER 2021
JOB NUMBER	0043.0001
SCALE	NTS
EDITION	
PERMITTING	
SHEET	C1 of C9

NOTE:
 THESE PLANS ARE CONCEPT IN NATURE AND PREPARED IN SUPPORT OF A SITE APPLICATION SUBMITTAL.

GENERAL NOTES

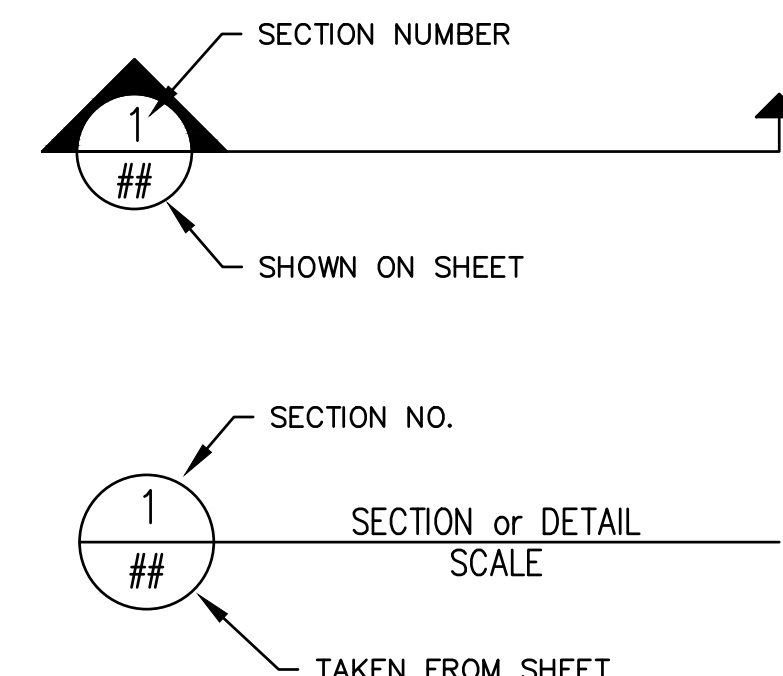
- ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- THE CONTRACTOR IS TO PROVIDE A DETAILED CONSTRUCTION SCHEDULE DELINEATING CONSTRUCTION MILESTONES AND THE NATURE OF WORK BEING PERFORMED. THE SCHEDULE SHALL DETAIL ACTIVITIES FROM THE START OF CONSTRUCTION THROUGH STARTUP. THIS SCHEDULE SHALL BE PROVIDED TO THE ENGINEER TWO (2) WEEKS PRIOR TO CONSTRUCTION AND UPDATED WEEKLY.
- THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DRAWINGS INCLUDING SUCH INCIDENTALS AS MAY BE NECESSARY TO MEET APPLICABLE AGENCY REQUIREMENTS AND PROVIDE A COMPLETED PROJECT.
- THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR AND EQUIPMENT AND PERFORM WORK SHOWN OR IMPLIED AS NECESSARY FOR THE COMPLETED LIFT STATION, PIPING, AND EVAPORATION PONDS, READY FOR USE.
- THE ENGINEER HAS ATTEMPTED TO LOCATE EXISTING SUBSURFACE UTILITIES. HOWEVER, SOME MAY EXIST THAT ARE NOT SHOWN. THE CONTRACTOR SHALL POTHOLE AS NECESSARY AND EXERCISE CARE IN HIS WORK SO AS TO AVOID DAMAGE TO ANY UTILITIES. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STAKING. ALL DIMENSIONS, ELEVATIONS, AND LOCATIONS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO BEGINNING THE WORK.
- ANY SUBSURFACE CONDITIONS ENCOUNTERED THAT ARE UNUSUAL OR DIFFERENT THAN THOSE INDICATED BY THE ENGINEER SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
- CONTRACTOR SHALL OBTAIN, AT HIS OWN EXPENSE, ALL PERMITS REQUIRED OF THIS WORK AND SHALL FAITHFULLY ADHERE TO THE ALL PERMIT REQUIREMENTS.
- TEMPORARY AND PERMANENT EROSION CONTROL STRUCTURE METHODS SHALL BE IN ACCORDANCE WITH COUNTY REGULATIONS AND ARE TO BE UTILIZED DURING CONSTRUCTION.
- ALL EROSION CONTROL STRUCTURES SHOWN OR AS REQUIRED DURING CONSTRUCTION SHALL BE CONTINUOUSLY MAINTAINED THROUGH WARRANTY PERIOD AND UNTIL RE-VEGETATION TAKES HOLD.
- CONTRACTOR SHALL CLEAN UP, SEED, AND RESTORE DISTURBED AREAS IMMEDIATELY UPON COMPLETION OF THE WORK IN THE AFFECTED AREA.
- ALL EXISTING FACILITIES SHALL BE MAINTAINED IN-PLACE BY THE CONTRACTOR UNLESS OTHERWISE SHOWN OR DIRECTED. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO SUPPORT, MAINTAIN, OR OTHERWISE PROTECT EXISTING UTILITIES AND OTHER FACILITIES AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR TO LEAVE EXISTING FACILITIES IN AN EQUAL OR BETTER-THAN-ORIGINAL CONDITION.
- THE CONTRACTOR SHALL ERECT AND MAINTAIN BARRICADES, WARNING SIGNS, CONES IN ACCORDANCE WITH STATE, LOCAL AND FEDERAL GUIDELINES TO ENSURE THE SAFETY OF WORKERS AND THE PUBLIC. ALL BARRICADES, SIGNS SHALL BE IN PLACE PRIOR TO THE BEGINNING OF ANY CONSTRUCTION ACTIVITY.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN APPROVAL FOR A TRAFFIC CONTROL PLAN. THE TRAFFIC CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY COUNTY AND THE OWNER'S REPRESENTATIVE.
- UNLESS OTHERWISE GRANTED PERMISSION BY THE OWNER IN WRITING, THE CONTRACTOR MUST ALLOW ACCESS TO ALL PROPERTIES FOR BOTH RESIDENTS AND EMERGENCY VEHICLES.
- THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE CLEANLINESS AND SAFETY OF ALL ROADWAYS ADJACENT TO THE PROJECT SITE. IF AT ANY TIME, THESE ROADWAYS ARE FOUND TO BE DANGEROUS OR NOT PASSABLE DUE TO DEBRIS OR MUD, THE COUNTY MAY SHUT THE PROJECT DOWN.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER OF ANY PROBLEM IN CONFORMING TO THE APPROVED PLANS FOR ANY ELEMENT OF THE PROPOSED IMPROVEMENTS PRIOR TO ITS CONSTRUCTION.
- BLUE STAKES - THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO AND THE FACILITY OPERATOR FOR LOCATION OF UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION, AS WELL AS ANY INDEPENDENT LOCATOR FOR PRIVATE LINES.
- THE CONTRACTOR SHALL NOTIFY THE INSPECTOR AT LEAST 48 HOURS PRIOR TO ANY DESIRED INSPECTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
- SURVEY MONUMENTS MUST BE SET WITHIN 60 DAYS OF COMPLETION OF THE PROJECT.
- SERVICE TRENCHES AND UTILITY MAIN TRENCHES SHALL BE COMPACTED THROUGHOUT THE DEPTH OF THE TRENCH PER THE SPECIFICATIONS.
- THE CONTRACTOR SHALL MAINTAIN ONE COMPLETE SET OF APPROVED DRAWINGS ON THE CONSTRUCTION SITE AT ALL TIMES WHEREON HE WILL RECORD ANY APPROVED DEVIATIONS IN THE CONSTRUCTION FROM THE APPROVED DRAWINGS AS WELL AS THE LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES. THESE FIELD RECORD DRAWINGS SHALL BE KEPT UP TO DATE AT ALL TIMES AND SHALL BE AVAILABLE FOR INSPECTION BY THE OWNER'S REPRESENTATIVE UPON REQUEST.
- UPON COMPLETION OF CONSTRUCTION AND PRIOR TO INITIAL ACCEPTANCE OF THE WORK, THE CONTRACTOR SHALL SUBMIT A CLEAN SET OF FIELD RECORD DRAWINGS CONTAINING ALL AS-BUILT INFORMATION TO THE ENGINEER. ALL INFORMATION SHOWN ON THE CONTRACTOR'S FIELD RECORD DRAWINGS SHALL BE SUBJECT TO VERIFICATION BY THE ENGINEER. IF SIGNIFICANT ERRORS OR DEVIATIONS ARE NOTED BY THE ENGINEER, AN AS-BUILT SURVEY PREPARED AND STAMPED BY A REGISTERED PROFESSIONAL LAND SURVEYOR SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE.

- ALL SUBMITTAL RECORDS ARE TO BE KEPT ONSITE AS WELL AS ALL DAILY INSPECTION REPORTS, INCLUDING, BUT NOT LIMITED TO, COMPACTION TESTS, CONCRETE TESTS, ETC.
- MEGALUGS AND CONCRETE THRUST BLOCKS WILL BE REQUIRED FOR ALL MAIN LINES.
- TRACER WIRE IS REQUIRED ON ALL PIPES. TRACER WIRE SHALL BE 10 GAUGE DIRECT BURY SOLID SINGLE STRAND COPPER WIRE WITH TEST STATIONS AS SHOWN ON THE PLANS.
- ALL BOLTS FOR ABOVE GRADE FITTINGS SHALL BE ASTM 316 STAINLESS STEEL.
- CONTRACTOR SHALL HAUL OFF AND DISPOSE OF ANY EXCESS SPOIL MATERIAL, ANY MISCELLANEOUS DEBRIS, AND ANY STRUCTURES, PIPING OR OTHER DEBRIS CALLED OUT TO BE DEMOLISHED AT HIS OWN EXPENSE. ALL MATERIAL MUST BE DISPOSED OF IN AN APPROVED OFFSITE LOCATION.
- PIPE, FITTINGS, AND ACCESSORIES SHALL BE HANDLED IN SUCH A MANNER THAT WILL ENSURE INSTALLATION IN SOUND, UNDAMAGED CONDITION. EQUIPMENT, TOOLS, AND METHODS USED IN HANDLING AND INSTALLING PIPE AND FITTINGS SHALL NOT DAMAGE THE PIPE AND FITTINGS.
- PRECAUTIONS SHALL BE TAKEN TO PREVENT FOREIGN MATERIAL FROM ENTERING THE PIPE DURING INSTALLATION. DEBRIS, TOOLS, CLOTHING, OR OTHER OBJECTS SHALL NOT BE PLACED IN OR ALLOWED TO ENTER THE PIPE. END OF LINES TO BE PLUGGED TO PREVENT DEBRIS OR ANIMALS FROM ENTERING PIPE.
- CUTTING SHALL BE DONE IN A NEAT MANNER, WITHOUT DAMAGE TO THE PIPE OR THE LINING. CUTS SHALL BE SMOOTH, STRAIGHT, AND AT RIGHT ANGLES TO THE PIPE AXIS. AFTER CUTTING, THE ENDS OF THE PIPE SHALL BE DRESSED WITH A FILE OR POWER GRINDER TO REMOVE ALL ROUGHNESS AND SHARP EDGES. THE CUT ENDS OF PUSH-ON JOINT PIPE SHALL BE SUITABLY BEVELED.
- NO DEFLECTION SHALL BE PERMITTED ON INTERIOR PIPE AND FITTINGS.
- DIAMETRICALLY OPPOSITE NUTS SHALL BE TIGHTENED PROGRESSIVELY AND EVENLY. FINAL TIGHTENING SHALL BE DONE WITH A TORQUE LIMITING WRENCH SET FOR THE TORQUE RECOMMENDED BY THE MANUFACTURER FOR ALL FITTINGS AND SERVICE SADDLES.
- BEFORE THE JOINT IS ASSEMBLED, THE FLANGE FACES SHALL BE THOROUGHLY CLEANED OF ALL FOREIGN MATERIAL WITH A POWER WIRE BRUSH. THE GASKET SHALL BE CENTERED AND THE CONNECTING FLANGES DRAWN UP WATERTIGHT WITHOUT UNNECESSARY STRESSING OF THE FLANGES. ALL BOLTS SHALL BE TIGHTENED IN A PROGRESSIVE DIAMETRICALLY OPPOSITE SEQUENCE USING TORQUE WRENCHES AT SETTINGS RECOMMENDED BY THE MANUFACTURER. WHERE DISSIMILAR FLANGES ARE CONNECTED, AN INSULATING CONNECTION SHALL BE PROVIDED.
- ALL JOINTS SHALL BE WATERTIGHT AND FREE FROM LEAKS. EACH LEAK WHICH IS DISCOVERED WITHIN THE CORRECTION PERIOD STIPULATED IN THE GENERAL PROVISIONS SHALL BE REPAIRED BY AND AT THE EXPENSE OF THE CONTRACTOR.
- ALL CONTRACTOR INSTALLED PIPE, FITTINGS, VALVES, PIPE JOINTS, AND OTHER MATERIALS WHICH ARE FOUND TO BE DEFECTIVE SHALL BE REMOVED AND REPLACED WITH NEW AND ACCEPTABLE MATERIALS, AND THE AFFECTED PORTION OF THE PIPING RETESTED BY AND AT THE EXPENSE OF THE CONTRACTOR.
- FLEXIBLE COUPLINGS AND FLANGE ADAPTERS SHALL BE DESIGNED TO RELIEVE STRESS IN PIPELINES DUE TO THERMAL EXPANSION/CONTRACTION, DIFFERENTIAL SETTLEMENT OR MISALIGNMENT AND MECHANICAL VIBRATION. FLEXIBLE COUPLINGS SHALL CONSIST OF A SLEEVE WHICH SHALL FIT OVER THE ENDS OF THE TWO PIPE SECTIONS TO BE JOINED. THE COUPLING SHALL FORM A WATER TIGHT SEAL BY COMPRESSING RESILIENT WEDGE-SHAPED GASKETS BETWEEN THE ENDS OF THE SLEEVE AND THE PIPE SECTIONS. THE GASKETS SHALL BE COMPRESSED BY TWO RETAINER RINGS BOLTED TO ONE ANOTHER ON THE OUTSIDE OF THE COUPLING SLEEVE. FLANGE ADAPTERS SHALL BE EQUIVALENT TO FLEXIBLE COUPLINGS EXCEPT THAT ONE RETAINER RING AND GASKET SHALL BE REPLACED WITH A FLANGED CONNECTION ON THE COUPLING SLEEVE.
- ALL VALVES SHALL HAVE THE MANUFACTURER AND SIZE OF THE VALVE VISIBLY CAST ON THE BODY OR ON A PLATE ATTACHED TO THE BODY OF THE VALVE. VALVES AND REQUIRED OPERATING APPURTENANCES SHALL BE THE PRODUCT OF THE SAME MANUFACTURER. VALVE SEALS SHALL BE ABLE TO PROVIDE TIGHT CLOSURE AND PREVENT METAL-TO-METAL CONTACT. VALVES SHALL OPEN RIGHT.
- VALVE COMPONENTS SHALL WITHSTAND THE ENVIRONMENTAL CONDITIONS AND PROVIDE CONTINUOUS TROUBLE-FREE SERVICE.
- ALL MATERIALS AND WORKMANSHIP FOR SANITARY SEWER CONSTRUCTION SHALL CONFORM TO THE LATEST LINCOLN COUNTY STANDARDS AND SANITARY SEWER CONSTRUCTION DETAILS AND TECHNICAL SPECIFICATIONS, CDPHE AND ALL OTHER APPLICABLE AGENCIES.
- ALL DIRECT BURY SEWER MAINS SHALL BE PVC, ASTM D-3034, SDR35 OR APPROVED EQUAL, UNLESS OTHERWISE NOTED.
- SEWER LINES SHALL BE 10 FEET FROM WATER LINES EXCEPT WHEN CROSSING EACH OTHER. FOR SEWER LINES THAT CROSS LESS THAN 1 1/2 FEET VERTICALLY FROM WATER LINES, THE CLOSEST SANITARY SEWER JOINT SHALL BE A MINIMUM OF 6 FEET FROM THE CROSSING.
- ALL MANHOLES SHALL BE WATER TIGHT PRECAST CONCRETE, A MINIMUM OF 48 INCH IN DIAMETER WITH CONCENTRIC CONE, 24 INCH CAST IRON RING (8" DEPTH) AND COVER, UNLESS OTHERWISE SPECIFIED. CONCRETE ADJUSTMENT RINGS SHALL BE USED FOR ADJUSTMENT TO MATCH FINAL SURFACE ELEVATIONS AND SET IN MASTIC TO OBTAIN A WATER TIGHT SEAL. CONCRETE ADJUSTMENT RINGS SHALL BE 4" MINIMUM IN DEPTH TO ELIMINATE MULTIPLE JOINTS.
- SEWER RIM ELEVATIONS AND INVERTS SHOWN ARE APPROXIMATE ONLY AND ARE NOT TO BE TAKEN AS FINAL ELEVATIONS.
- THE CONTRACTOR TO VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL TIE IN POINTS AND INVERTS PRIOR TO CONSTRUCTION AND PROVIDE THE DATA TO THE TOWN ENGINEER.
- PIPE BEDDING SHALL BE CLASS "B" AND SHALL CONFORM TO ASTM C-33 OR

- D-448 GRADATION NO. 6 OR NO. 67. SQUEEGEE BEDDING IS PREFERRED. BEDDING DEPTH SHALL BE 6" UNDER AND AROUND THE SIDES OF THE PIPE AND 12" OVER THE PIPE. CONSOLIDATION IN PIPE ZONE SHALL BE BY HAND TAMPING.
- AT LEAST 5 DAYS PRIOR TO THE START OF CONSTRUCTION, A PRE-CONSTRUCTION MEETING WILL BE HELD AT THE TOWN'S OFFICE AND ATTENDED BY THE CONTRACTOR AND REPRESENTATIVES OF THE OTHER APPROVING AGENCIES. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE TOWN ENGINEER TO SCHEDULE THIS MEETING.
- THE CONTRACTOR WILL IDENTIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR WILL REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN ONE COMPLETE SET OF APPROVED DRAWINGS ON THE CONSTRUCTION SITE AT ALL TIMES WHEREON HE WILL RECORD ANY APPROVED DEVIATIONS IN THE CONSTRUCTION FROM THE APPROVED DRAWINGS AS WELL AS THE LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES. THESE FIELD RECORD DRAWINGS SHALL BE KEPT UP TO DATE AT ALL TIMES AND SHALL BE AVAILABLE FOR INSPECTION BY THE OWNER'S REPRESENTATIVE UPON REQUEST.
- ALL MANHOLES SHALL HAVE SHAPED INVERTS.
- ALL SEWER LINES SHALL BE TESTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS PRIOR TO INITIAL ACCEPTANCE OR ANY CONNECTION TO AN EXISTING SEWER LINE. THE MAXIMUM "BELLY" ON LOW SPOTS IN THE NEW SEWER MAIN SHALL NOT EXCEED 3/8 INCHES.
- ALUMINUM FOIL WARNING TAPE SHALL BE USED FOR ALL NEW DIRECT BURY SEWER MAINS. THE TAPE WILL BE INSTALLED 2' BELOW FINISHED GRADE. TAPE MUST BE GREEN IN COLOR.
- FERNCO STRONGBACK RC SERIES PIPE COUPLINGS WILL BE REQUIRED FOR PIPE AND LATERAL SERVICES.
- ALL BARREL SECTIONS OF MANHOLES SHALL BE GROUTED INSIDE AT JOINTS.
- SHOULD TRENCH DE-WATERING BECOME NECESSARY, THE CONTRACTOR WILL OBTAIN ALL REQUIRED PERMITS AND SUPPLY THE PUMPS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
- THE OPENING OR CHANNEL IN THE MANHOLE MUST BE NO LESS THAN THE DIAMETER OF THE PIPE, AND NO LESS THAN THE MANHOLE DIAMETER MINUS 4 INCHES IN LENGTH TO ACCOMMODATE EQUIPMENT NECESSARY TO MAINTAIN THE SEWER LINE.
- ALL MANHOLE AND SANITARY SEWER MAIN TESTING SHALL BE WITNESSED BY A REPRESENTATIVE OF THE TOWN. A MINIMUM OF 24 HOURS ADVANCED NOTICE IS REQUIRED PRIOR TO TESTING.
- ALL MANHOLE/VAULT EXTERIOR JOINTS SHALL BE WRAPPED IN 12-INCH WIDE CONSEAL CS 212 OR APPROVED EQUIVALENT.
- MANHOLE/VAULT BARREL SECTIONS WILL REQUIRE AN EXTERIOR COATING OF TNEC SERIES 46-46S OR APPROVED EQUIVALENT.
- ALL PRECAST CONCRETE SHALL BE 4,000 PSI MINIMUM STRENGTH.
- ALL EXISTING PIPING INTO EXISTING MANHOLES MUST BE RECONNECTED IN NEW MANHOLES.
- WHERE FILL IS REQUIRED BY THE DRAWINGS, THE EXISTING VEGETATION AND TOPSOIL SHALL BE FULLY REMOVED AND THE SURFACE SCARIFIED PER THE SPECIFICATIONS TO PROVIDE FOR ADEQUATE BONDING OF THE FILL.
- FILL SHALL BE PLACED TO MATCH THE CONTOURS SHOWN ON THE DRAWINGS. ALL BERM CONSTRUCTION AND OVERLOT GRADING SHALL BE UNDERTAKEN SUCH THAT THE CORNERS ARE ROUNDED AND BLENDED INTO THE EXISTING TOPOGRAPHY. NEW ELEVATION CONTOURS INDICATE FINAL SURFACE ELEVATIONS.
- GRADING OF THE WASTEWATER TREATMENT PLANT SITE TOGETHER WITH THE GRADING AROUND MANHOLES AND STRUCTURES THAT HAVE THEIR RINGS AND COVERS INSTALLED ABOVE GRADE SHALL BE FINALIZED SUCH THAT ALL AREAS DRAIN FREELY AWAY FROM THE TREATMENT CELLS AND STRUCTURES. COORDINATE WITH THE ENGINEER AND OWNER TO ENSURE THAT THIS CONDITION IS MET.
- ALL EQUIPMENT AND MATERIAL IS TO BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS. ALL EQUIPMENT STARTUP SHALL BE PROVIDED BY A MANUFACTURER APPROVED FIELD REPRESENTATIVE. MANUFACTURER FIELD TRAINING FOR THE OPERATIONS STAFF SHALL ALSO BE PROVIDED AT EITHER THE TIME OF STARTUP OR AT ANOTHER TIME AS APPROVED BY THE OPERATOR.
- THE CONTRACTOR SHALL FURNISH AND INSTALL 12" X 24" SIGNS AS DIRECTED BY THE ENGINEER ON THE PERIMETER FENCING. THE GENERAL SPACING IS 200-FT CENTERS. THE SIGNS SHALL BE MADE FROM 20 GAUGE ALUMINUM SHEET METAL WITH A PAINTED WHITE BACKGROUND AND RED LETTERING. THE SIGNS SHALL READ AS FOLLOWS:

DANGER - KEEP OUT
WASTEWATER TREATMENT FACILITY
- THE BASE BID ON THE PROJECT INCLUDES A BID ITEM CALLING FOR FURNISHING AND INSTALLING 6-INCHES OF SAND OVER THE BOTTOM OF THE NEW CELLS. THE SAND IS BEING INSTALLED TO MAINTAIN THE INTEGRITY OF THE LINER WHEN MINIMAL TO NO WATER IS CONTAINED WITHIN THE CELL. THE CONTRACTOR WILL NEED TO USE EXTREME CARE IN THE PLACEMENT OF THE MATERIAL TO MAINTAIN THE INTEGRITY OF THE NEW LINER. ANY TEARS OR DAMAGE TO THE LINER SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

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ABBREVIATIONS

ARVB	AIR RELIEF VACUMBREAKER VALVE	MH	MANHOLE
BEG	BELOW EXISTING GRADE	N	NORTH
BFV	BUTTERFLY VALVE	NE	NORTHEAST
CL	CENTERLINE	NW	NORTHWEST
CMP	CORRUGATED METAL PIPE	OH	OVERHEAD
DIA. OR Ø	DIAMETER	PVC	POLYVINYL CHLORIDE
E	EAST	RAD OR R	RADIUS
EA	EACH	RPP	REINFORCED POLYPROPYLENE
ELEC	ELECTRICAL LINE	S	SOUTH
EOA	EDGE OF ASPHALT	SE	SOUTHEAST
EXIST. OR EX.	EXISTING	SW	SOUTHWEST
INV	INVERT	T.O.P.	TOP OF PIPE
L.P.	LOW POINT	UON	UNLESS OTHERWISE NOTED
FM	FORCE MAIN		



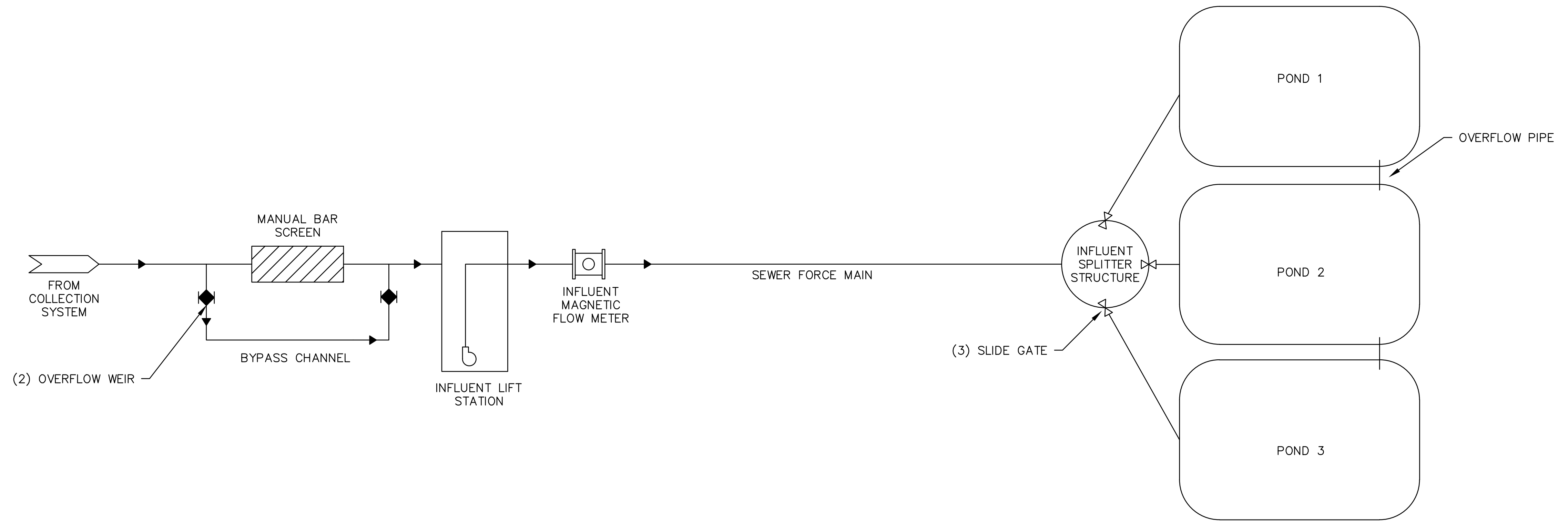
BY					
DATE					
NO.					
REVISIONS	DESCRIPTION				

WASTEWATER TREATMENT PLANT
GENERAL NOTES
TOWN OF RAMAH
113 S. COMMERCIAL STREET
RAMAH, CO 80852

PREPARED UNDER THE DIRECT SUPERVISION OF

FOR AND ON BEHALF OF
ELEMENT ENGINEERING, LLC
DATE
DECEMBER 2021
JOB NUMBER
0043.0001
SCALE
NTS
EDITION
PERMITTING
SHEET
C2 of C9

720.749.4165
WWW.ELEMENTENGINEERING.NET
12687 W. CEDAR DRIVE, SUITE 300
LAKEWOOD, CO 80226



NO.	REVISIONS	DESCRIPTION	DATE	BY

WASTEWATER TREATMENT PLANT
PROCESS FLOW DIAGRAM
 TOWN OF RAMAH
 113 S. COMMERCIAL STREET
 RAMAH, CO 80832

PREPARED UNDER THE DIRECT SUPERVISION OF

FOR AND ON BEHALF OF
 ELEMENT ENGINEERING, LLC

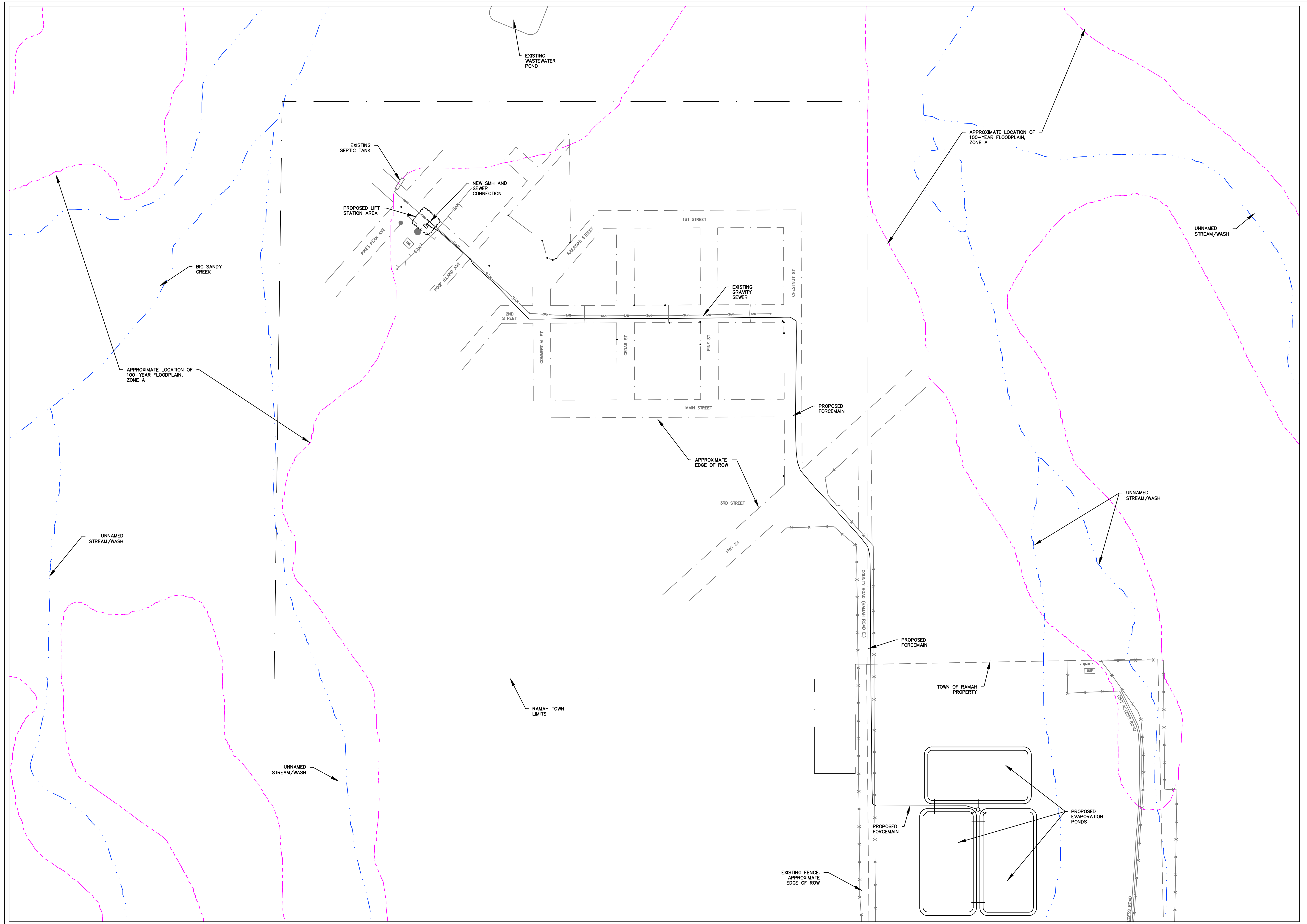
DATE
 DECEMBER 2021

JOB NUMBER
 0043.0001

SCALE
 NTS

EDITION
 PERMITTING

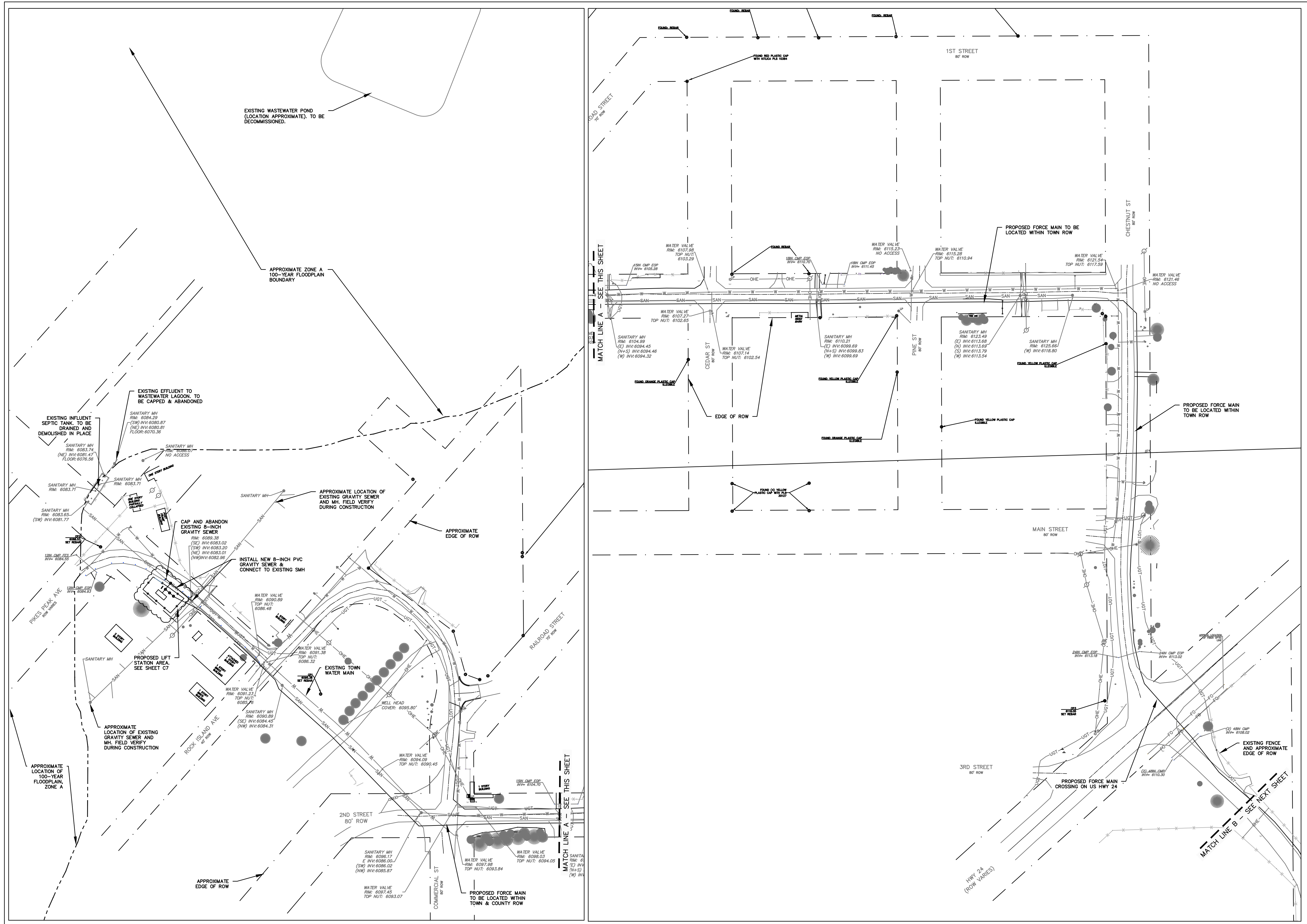
SHEET
 C3 of C9



NO.	REVISIONS	DESCRIPTION	DATE	BY
1	SITE APPLICATION AMENDMENT		2.14.2022	

WASTEWATER TREATMENT PLANT
SITE PLAN
TOWN OF RAMAH 113 S. COMMERCIAL STREET RAMAH, CO 80832

PREPARED UNDER THE DIRECT SUPERVISION OF
FOR AND ON BEHALF OF ELEMENT ENGINEERING, LLC
DATE DECEMBER 2021
JOB NUMBER 0043.0001
SCALE 1" = 200'
EDITION PERMITTING
SHEET C4 of C9

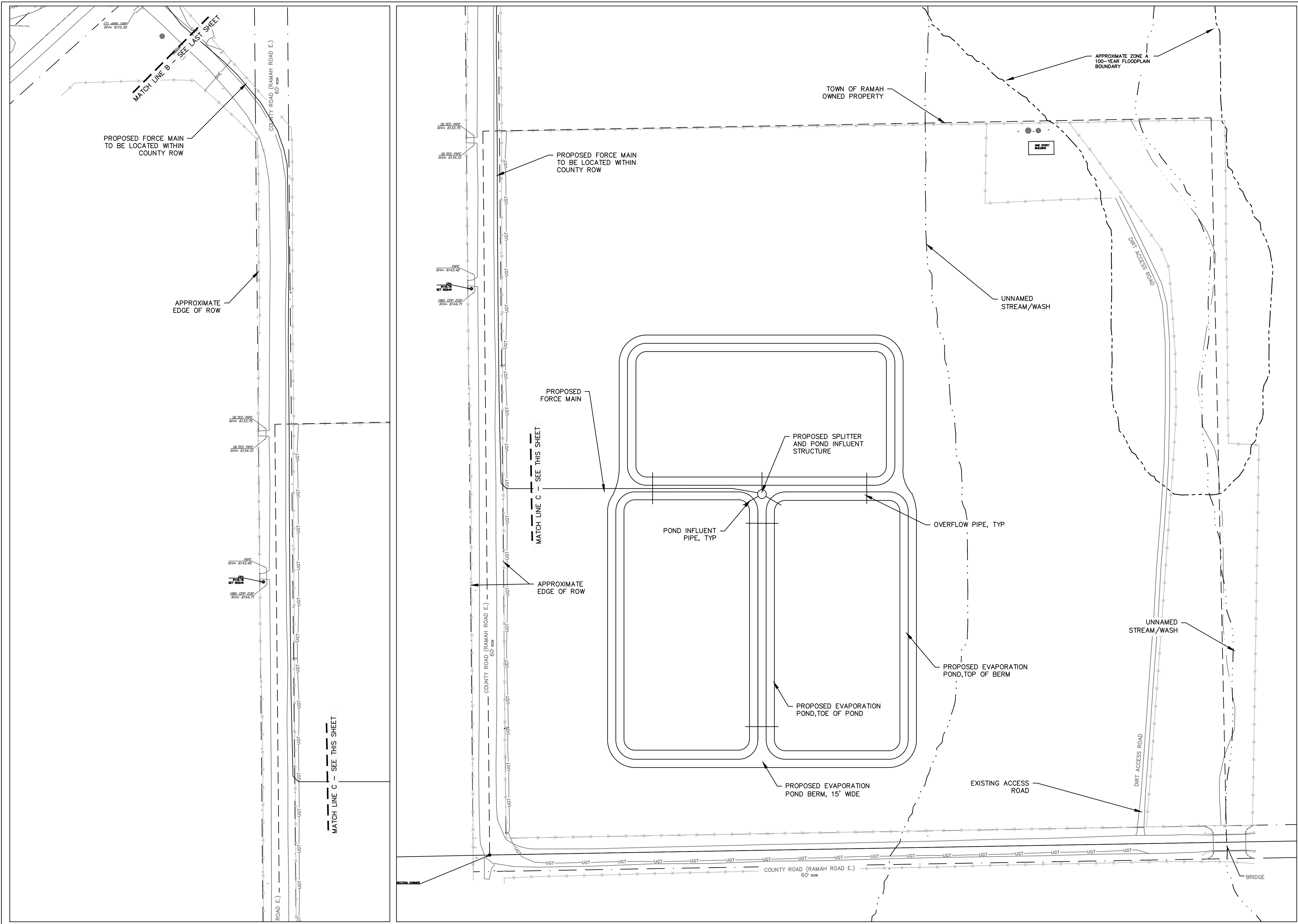


NO.	REVISIONS	DATE	BY
1	DATE	2.14.2022	
2	DESCRIPTION		
3	DESCRIPTION		
4	DESCRIPTION		
5	DESCRIPTION		
6	DESCRIPTION		
7	DESCRIPTION		
8	DESCRIPTION		
9	DESCRIPTION		
10	DESCRIPTION		

WASTEWATER TREATMENT PLANT
SITE PLAN
 TOWN OF RAMAH
 113 S. COMMERCIAL STREET
 RAMAH, CO 80852

PREPARED UNDER THE DIRECT SUPERVISION OF

FOR AND ON BEHALF OF ELEMENT ENGINEERING, LLC
DATE DECEMBER 2021
JOB NUMBER 0043.0001
SCALE 1" = 80'
EDITION PERMITTING
SHEET C5 of C9

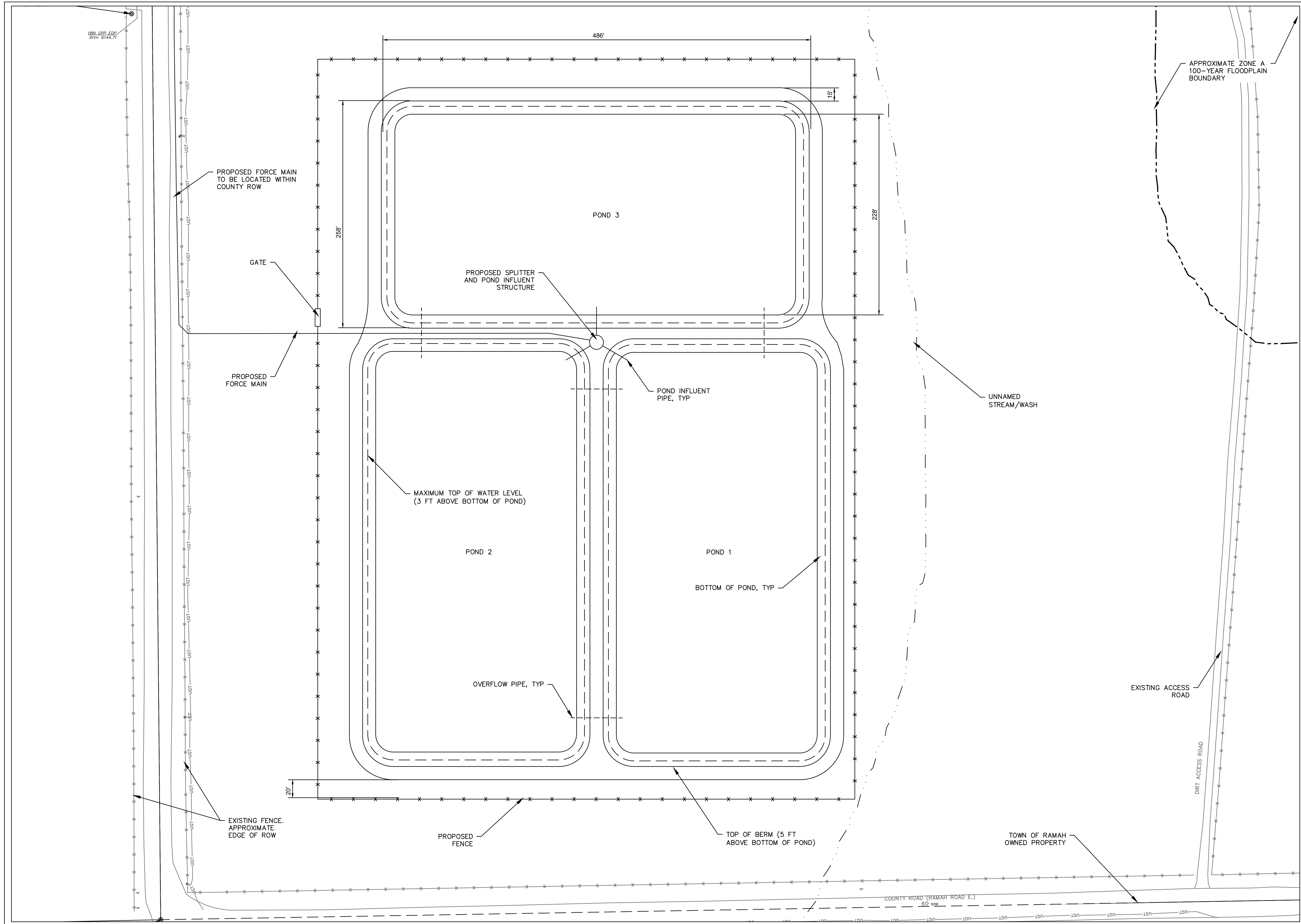


ELEMENT ENGINEERING LLC
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 LAKEWOOD, CO 80228
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NO.	REVISIONS	DATE	BY
	SITE APPLICATION AMMENDMENT	2.14.2022	

WASTEWATER TREATMENT PLANT
SITE PLAN
 TOWN OF RAMAH
 113 S. COMMERCIAL STREET
 RAMAH, CO 80832

PREPARED UNDER THE DIRECT SUPERVISION OF
 FOR AND ON BEHALF OF
 ELEMENT ENGINEERING, LLC
 DATE
 DECEMBER 2021
 JOB NUMBER
 0043.0001
 SCALE
 1" = 80'
 EDITION
PERMITTING
 SHEET
 C6 of C9



NO.	REVISIONS	DATE	BY
1	SITE APPLICATION AMMENDMENT	2.14.2022	

WASTEWATER TREATMENT PLANT
POND DETAILS

TOWN OF RAMAH
113 S. COMMERCIAL STREET
RAMAH, CO 80832

PREPARED UNDER THE DIRECT SUPERVISION OF

FOR AND ON BEHALF OF
ELEMENT ENGINEERING, LLC

DATE
DECEMBER 2021

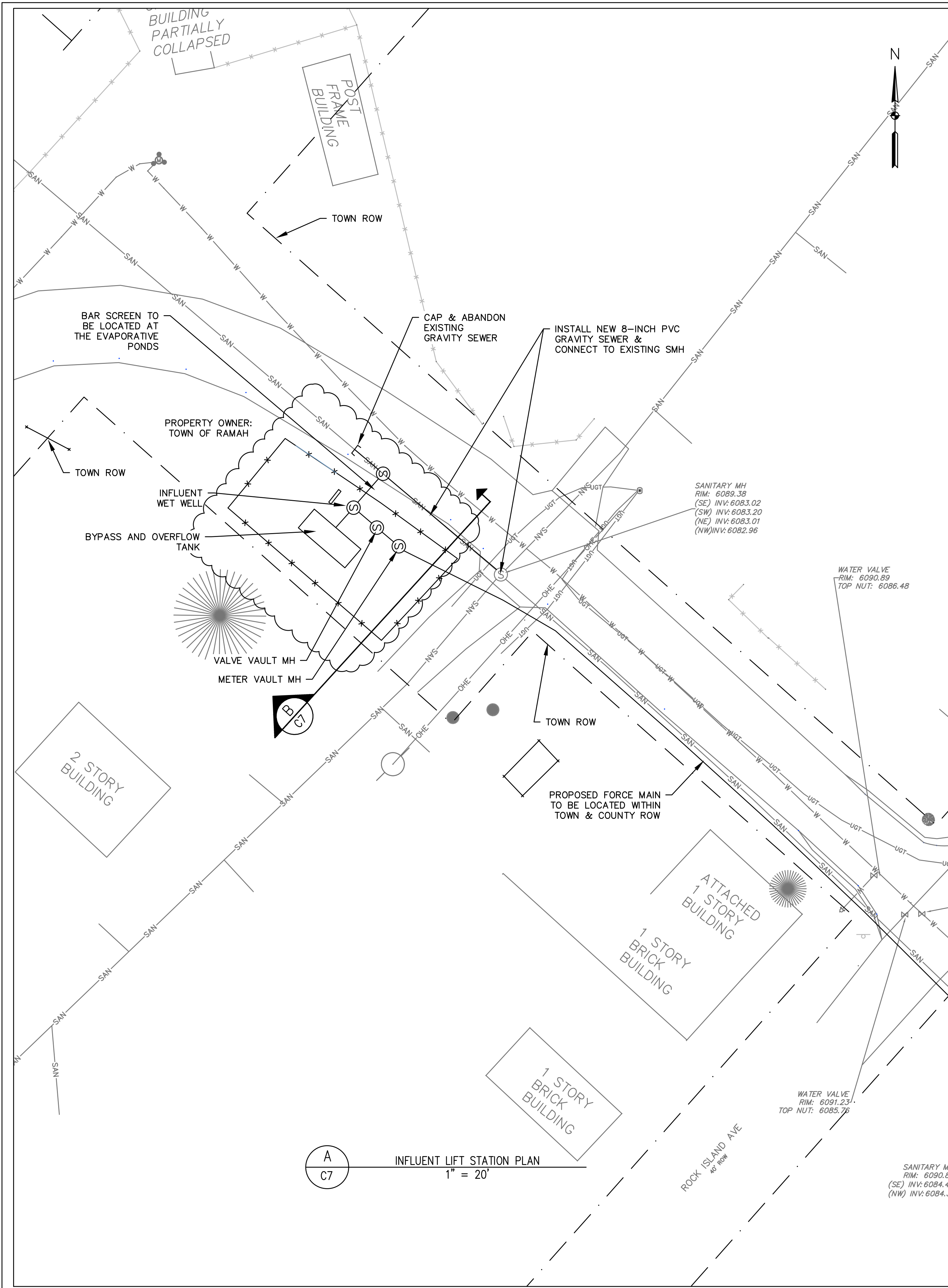
JOB NUMBER
0043.0001

SCALE
1" = 50'

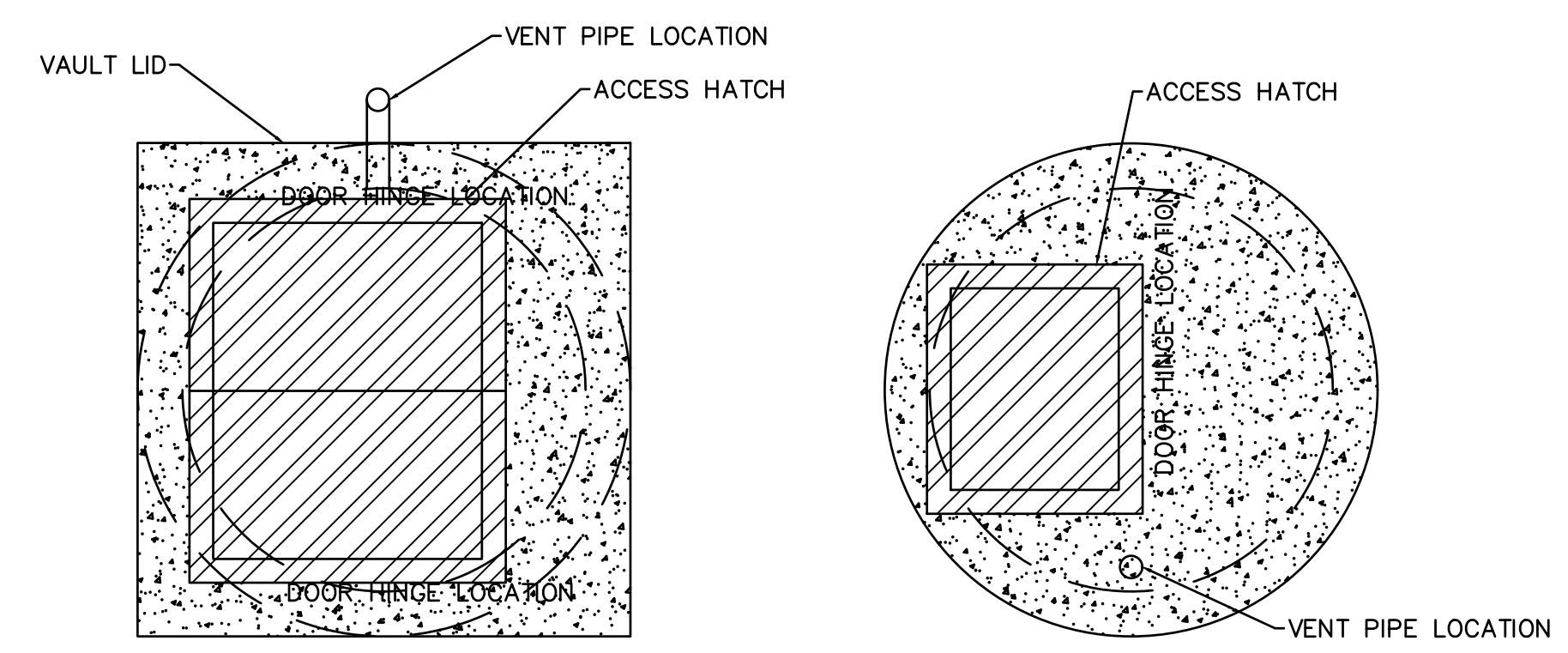
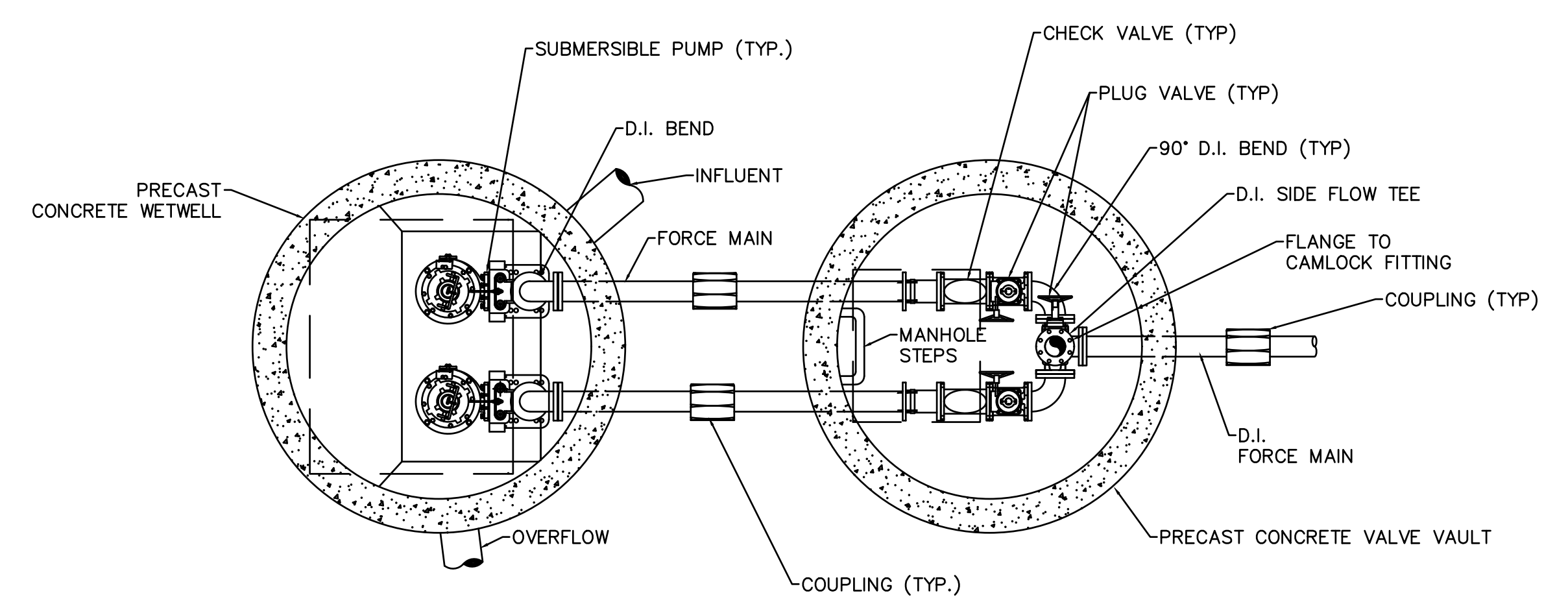
EDITION

PERMITTING

SHEET
C7 of C9



A
C7 INFLUENT LIFT STATION PLAN
 1" = 20'



B
C7 INFLUENT LIFT STATION - INSET PLAN
 1" = 2'

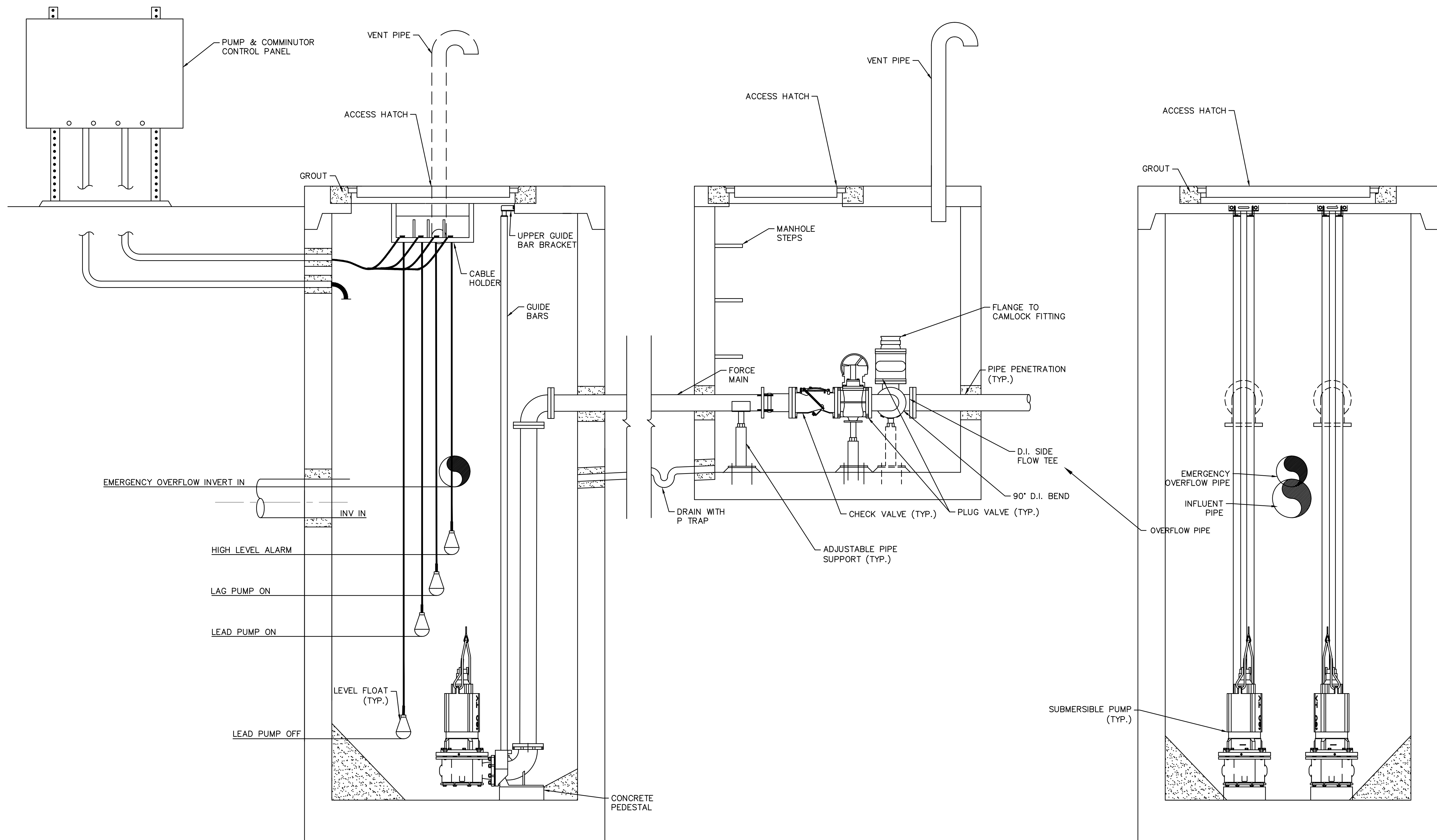
NO.	REVISIONS	DESCRIPTION	DATE	BY
1	SITE APPLICATION AMENDMENT		2.14.2022	

WASTEWATER TREATMENT PLANT
LIFT STATION DETAILS
 TOWN OF RAMAH
 113 S. COMMERCIAL STREET
 RAMAH, CO 80832

PREPARED UNDER THE DIRECT SUPERVISION OF

DATE	DECEMBER 2021
JOB NUMBER	0043.0001
SCALE	VARRIES
EDITION	PERMITTING
SHEET	C8 of C9

FOR AND ON BEHALF OF ELEMENT ENGINEERING, LLC



A
C8 INFLUENT LIFT STATION MANHOLE DETAILS
1" = 1'

NO.	REVISIONS	DESCRIPTION	DATE	BY
1	SITE APPLICATION AMMENDMENT		2.14.2022	

WASTEWATER TREATMENT PLANT
LIFT STATION DETAILS
TOWN OF RAMAH
113 S. COMMERCIAL STREET
RAMAH, CO 80832

PREPARED UNDER THE DIRECT SUPERVISION OF