

CASTLE PINES NORTH



METROPOLITAN DISTRICT

Board Meeting Agenda

Monday, November 27, at 6:00 p.m.

7404 Yorkshire Drive, Castle Pines, CO 80108

CPNMD residents are welcome to participate either in person or via **Zoom**
To **Zoom** in, visit- www.cpnmd.org/board-meetings

- I. Welcome. Call meeting to order. Pledge of Allegiance.
- II. Roll call. Determination of quorum. Disclosure of potential conflicts.
- III. Consider approving the November 27, 2023, board meeting agenda.
- IV. Consider approving October 23, 2023, board meeting minutes.
- V. Consider approving November 15, 2023, board special meeting minutes.
- VI. Public comment period. (Three minutes maximum per person).
- VII. Public Hearing & Comment- Proposed 2024 Budget (enclosure)
 - A. Note: Required permanent reduction of Mill Levy Authorization from 19.000mills to 7.000mills
 - B. Note: Recommended temporary (1 year) reduction of Mill Levy Authorization from 7.000mills to 3.500mills.
- VIII. Finance Director's report.
 - A. Update and timeline regarding 2022 Audit.
 - B. Ratify claims for payment including check numbers 28227 - 28278 and electronic payments issued from October 20, 2023, through November 22nd, 2023.

2023	October	November	Totals
General Fund/Open Space	-	\$74,276.31	\$74,276.31
Enterprise Funds	-	\$1,040,392.91	\$1,040,392.91
Electronic Payments (all funds)	\$55,629.70	\$324,751.32	\$380,379.02
Total Expenditures	\$55,629.70	\$1,439,420.54	\$1,495,050.24

IX. Legal Counsel's report.

X. District Manager's report

- A. Consider: Direct district manager and legal counsel to draft an IGA with Hidden Pointe Metro District. Re: Inclusion of Hidden Pointe Metro District into CPNMD
- B. Consider: Direct district manager and legal counsel to draft an IGA with Castle Pines Metropolitan District. Re: Cost share of design for PCWRA wastewater splitter structure.
- C. Confirm meeting schedule for 2024 (enclosure)
- D. Update regarding Sanitary Sewer Overflow Violation
- E. Update regarding customer credit card fees for BillPay: for consideration during December 13, 2023 board meeting.
- F. Reminder: District manager contract for 2024 needs review in January 2024, performance evaluation at discretion of CPNMD directors.

XI. Director's Matters

XII. Adjourn

**CASTLE PINES NORTH METROPOLITAN DISTRICT
REGULAR MEETING MINUTES
October 23rd, 2023 – 6 p.m.**

HELD: Monday, October 23rd, 2023 at 6 p.m at the Castle Pines North Community Center, 7404 Yorkshire Drive, Castle Pines, Colorado

ATTENDEES: Directors Tera Radloff, Jason Blanckaert, Leah Enquist, Jana Krell and James Mulvey were present. Nathan Travis, District Manager was present as well as Kim Seter, Legal Counsel and; Phyllis Brown and Sadie Whitworth of CRS.

CONFLICTS: None.

QUORUM: Present.

CALL MEETING TO ORDER: The Meeting was called to order at approximately 6 p.m.

CONSIDERATION OF AGENDA OF THE MEETING OF THE BOARD OF

DIRECTORS: Upon motion by Director Radloff, the agenda was approved unanimously as presented.

CONSIDERATION OF PAST MEETING MINUTES: Director Krell requested that the August 28th minutes, be modified to reflect that it was her, Director Krell, and not Director Enquist, who spoke about the conservation program.

Following discussion, Board meeting minutes from the August 28th, September 25th, and October 11th and study session meeting minutes from August 23rd and September 20th, 2023, were unanimously approved as amended.

PUBLIC COMMENT: None.

FINANCE DIRECTOR'S REPORT: No one from CRS was present at this time. Dir. Blanckaert moved to amend agenda to move this item after the Legal Counsel Report. Director Radloff seconded the motion and the agenda was modified by unanimous vote.

LEGAL COUNSEL'S REPORT: Mr. Seter presented his report.

Update Rules and Regulations: Mr. Seter is working with Mr. Travis to add the spill notification plan to the Rules and Regulations.

Director Radloff requested an overview of the changes to the Rules and Regulations from 2020 to 2021 for the new Board to review.

Correct District Designations of Parcels – CPMD Reimbursement: Mr. Seter provided an update from his conversations with Castle Pines Metro District. It is willing to exclude

three properties from its District, but would like to be reimbursed for the costs associated with doing so, which Mr. Seter estimated to be around \$1,000. Director Radloff expressed disagreement with this course of action, given that the District benefits from property taxes from these properties, and does not pay to service them, either. Director Blanckaert agreed. Mr. Seter agreed to pass this on to Castle Pines Metro District.

Sale of Farm Properties & Consider Hiring Consultants: Mr. Seter requested authorization to employ either a realtor or a water/mineral broker to figure out what these properties are worth and get them on the market. The Board expressed support for this plan of action.

Director Enquist asked a question about the litigation associated with the original bid process for these properties. Mr. Seter explained that this stemmed from a dispute over the bids between Brighton and Aurora Water. The District eventually contributed about \$500 to a settlement that resolved the matter and the District received approximately \$18 million.

Director Radloff pointed out that the legal status agenda item relating to the Item B under the City Stormwater Services is complete. Mr. Seter will update his report to reflect its completion.

FINANCE DIRECTOR'S REPORT: Sadie Whitworth & Phyllis Brown attended by Zoom. Ms. Whitworth read aloud the claims for approval and ratification. This includes checks numbered 28169 through 28226, and electronic payments from September 22nd, 2023 to October 19th, 2023. She also provided an overview of the current fund balances.

Upon motion by Director Radloff, and second by Director Enquist, the claims for approval and ratification were approved unanimously as presented.

Director Radloff raised the issue of the bank service charges that the District is currently paying. She suggested that the District begin charging credit card service fees stemming from online bill payment to customers, rather than covering this cost for customers. The Board expressed its support for this change. Mr. Travis agreed to post the 30-day notice associated with making such a change to fees, and to add this item to the agenda for the Board's next meeting.

Update on 2022 Audit Timeline: Ms. Brown provided an update on the 2022 audit. The Auditor is continuing work this week. They have updated all capital assets, and are now requesting invoicing. Once this step is done, CRS will need to do additional schedules for the Auditor based on any budget-to-actual adjustments. The Auditor will then prepare the audit report for Board consideration and approval. Per Ms. Brown, everything is on schedule for the audit report to be issued by the end of November.

Director Mulvey had a question regarding whether the budget line-items had been updated to show changes from year to year, but agreed to table for a future meeting. He also wanted to know about the status of the summary sheet of new property values that was requested a few weeks back. Ms. Brown explained that this information is included in the proposed budget.

DISTRICT MANAGER'S REPORT: Mr. Travis provided an update on his report, noting that he expects to have a budget report to the Board by the end of the week. He also noted that the operations report is not included in the report due to the operations manager dealing with a few personal issues, and thus that two operations reports will be covered in the Board's next meeting.

Lift Station 3 SSO Violation Update: Mr. Travis noted that all testing is going well, with the first round of soil testing complete. The second round of testing will begin soon, with a focus on soil and on additional areas downstream. He provided an overview of some of the concerns raised by the state in this process, and the steps taken to address these concerns. Overall, he noted that the remediation and testing is running ahead of schedule. Mr. Travis responded to questions from the Board regarding timing and testing.

December 7th, CPNMD Holiday Party: all are invited to the Holiday Party. The invitation will be sent out shortly.

EXECUTIVE SESSION: At approximately 6:35 pm, Director Radloff moved that pursuant to 24-6-402(4)(b) and (e), C.R.S. and upon an affirmative vote of at least two-thirds of the Board members present for the motion, the Board enter into executive session for the sole purpose of a conference with the attorney on specific legal matters and to determine matters that are subject to negotiations concerning the District's relationship or potential relationship with Dominion Water as allowed by subsections (4) (b) and (e). Upon second by Director Krell, the Board approved the motion to enter into executive session for the above-stated purpose. Motion by Director Radloff, second by Director Krell, unanimous, entered executive session.

The Board reconvened from executive session at approximately 7:08 p.m. and directed Mr. Travis to continue his conversations with Dominion Water.

DIRECTOR MATTERS: Director Blanckaert noted that with Thanksgiving coming up, he wants to get Board support for the purchase of a small gift for District employees. The Board expressed its support for this idea and directed Mr. Travis to determine what would be most appreciated by staff.

ADJOURN: The meeting adjourned at approximately 7:15 p.m.

**CASTLE PINES NORTH METROPOLITAN DISTRICT
SPECIAL MEETING MINUTES
November 15, 2023 – 5:30 p.m.**

HELD: Wednesday, November 15, 2023 at 5:30 p.m.

ATTENDEES: Directors Jason Blanckaert, Leah Enquist, Jana Krell and James Mulvey were present. Nathan Travis, District Manager was present as well as Kim Seter, Legal Counsel (virtually) and; Phyllis Brown and Sadi Whitworth of CRS (virtually). Director Radloff was not present.

CONFLICTS: None.

QUORUM: Present.

CALL MEETING TO ORDER: The Meeting was called to order at approximately 5:34 p.m.

2024 Budget: Mr. Travis presented the proposed budget noting that it has not changed since the version reviewed in October. Director Mulvey had several questions and the Board had further discussion and questions. Ms. Brown responded to several questions regarding banking fees. Director Radloff had sent an email to Mr. Travis with questions that were read and addressed.

Mr. Travis identified several entries that he will revisit before the Board meeting next week. President Blanckaert requested a review of the General Fund entries he thought those were to be eliminated. There are several items shown that will be brought to zero.

The District will amend its service plan pursuant to the IGA's with the City.

Mr. Travis addressed several questions to Ms. Brown. In response she stated that the 2022 audit is still being worked on but she will true up the affected budget figures to reflect the then current numbers that carry over from the audit.

ADJOURN: The meeting adjourned at approximately 6:21 p.m.

CASTLE PINES NORTH



METROPOLITAN DISTRICT



2024 Proposed Budget

Introduction

2024 certainly looks considerably different for CPNMD. Big changes are in the works as we continue to sharpen our focus. Let's look at some of the main differences that are setting the stage moving forward.

Intergovernmental agreements with the City of Castle Pines are some of the cornerstone accomplishments of 2024.

Following voter approval of measure 2F, CPNMD and the City will work to complete the final stages of transferring Parks, Trails, Open-Space, and Storm Water property to City ownership. As part of this process, we will also be designating property and easements necessary for CPNMD to access utility infrastructure on the affected parcels. CPNMD will also file a service plan update with Douglas County, and permanently reduce our mill levy authorization from 19 mills to 7. To ensure TABOR compliance, CPNMD will then further voluntarily reduce our mill authorization to around 3.5 mills on an annual basis, the exact amount will vary slightly based on property values, and our rate structure.

With our focus now sharply on Water and Wastewater services, we are focused on two primary objectives.

First, heavy investments are being made in Capital projects for both funds. It is no secret that we have had operations issues these past couple years, and while we have made great strides in improving the safety and reliability of our systems, more work remains to be done. To that end, we have several projects in both our Water and Wastewater funds in the works. The scope and need for each will be detailed in the individual fund summaries.

Second, we are working toward securing our renewable water needs, ensuring our community will have the resources it needs to sustain ourselves moving forward.



This could be accomplished in several ways but will likely involve some kind of regional partnership, or inclusion into a neighboring water district. We learned through the failed inclusion attempt that our infrastructure condition is a driving force in these types of agreements. However, there is also much work yet to be done from a financial planning standpoint. Condition assessments, comprehensive capital forecasting, facility documentation, and rate and fee study need to be completed. These are expected to be done in 2024.

Communications have been a focus this year and will continue to be into 2024. Although while not significantly increasing our total budget here over years past, we work to be as consistently transparent as possible. To facilitate this, we are looking to increase our social media presence, community involvement, and increase the effectiveness of our communication and messaging. This includes renewing partnerships with the Chamber of Commerce, local media, and providing periodic newsletters.

Before you dive in...

Before you read through the budget, it's important to get a little guidance.

Why is the 2024 proposed budget column blank in some of the funds? Our General Fund, Conservation Trust Fund, and Stormwater Enterprise Funds are no longer necessary. The City of Castle Pines has taken responsibility for these community services, and as such, CPNMD will no longer carry an associated fund. We have left them in this year's budget as a mechanism to show this change, as compared to previous years.

What is the "2024 COMBINED" Column? Some budget line items are shared between the funds. These are largely employee compensation, contract staffing, and administrative functions, many of which were previously (at least in part) accounted for in our General Fund. To ensure that these are equitably accounted for, expenses that apply to both funds have been allocated 65% in the Water Enterprise Fund, and 35% in the Wastewater Enterprise Fund. This allocation is commensurate with the relative revenues of both of those funds. The "2024 COMBINED" column shows the total budget of these line items and is only filled out applicable expenses.

Why do some line items show such significant increases over years past? This is also largely due to the consolidation of the General Fund into the Water and Wastewater Enterprise Funds. We have also worked to simplify our budget in some areas to make it more digestible. "Communications- Public Outreach" is a perfect example of both. Not only was this expense shown across all of our previous funds, but we have also consolidated expenses that formerly had their own line-item. In this case website maintenance, professional services, public relations, community partnerships, and a few others were combined. Through this process we worked to standardize the nomenclature used for each line item, and between the individual funds.



How much money do we collect from our mill levy, and how are the funds allocated? We will still collect some property taxes as a source of additional revenue. These revenues will be accounted for directly in the Water and Wastewater Enterprise Funds. To ensure that these are equitably accounted for, and follow TABOR and enterprise fund regulations, revenue from our mill levy will be allocated 75% to the Water fund, and 25% to the Wastewater fund. Enterprise funds are essentially government run businesses, and as such no more than 10% of total revenue for any enterprise fund can come from public tax dollars. You can see how these are calculated in the table below. "AV" is the Assessed Value.

Mill Levy				
PROPERTY TAXES:				
NET AV FINAL	\$ 210,532,450	\$ 209,511,790	\$ 209,511,790	\$ 288,337,000
NET AV PRELIMINARY				
MILL LEVY	19.000	19.000	19.000	7.000
TEMPORARY REDUCTION	(3.210)	(3.210)	(3.210)	(3.500)
	15.790	15.790	15.790	3.500
PROPERTY TAXES	\$ 3,324,308	\$ 3,308,191	\$ 3,308,191	\$ 1,009,180
WATER FUND - 75%				\$ 756,885
WASTEWATER FUND - 25%				252,295
				\$ 1,009,180

Water Enterprise Fund Highlights

There are several Capital Projects underway or planned for 2024. Each will provide vital system reliability improvements. Here, we highlight the most significant of these projects.

Well Equipment Replacement We have done a substantial amount of work on our well system over the past couple of years and are finally in a position to be more proactive with our equipment replacement. Capital improvements in this area are for as-needed pump, motor, electrical and communications (among other things)

Sampling Stations As required by the State of Colorado, we have increased the number of water quality sampling locations throughout the district. To ensure we get the highest quality samples, we are installing 25 designated sample stations throughout the district. This work has already begun, and will continue through the end of the year, and into 2024.

Facility Documentation Program As we complete significant upgrades across our system, we have put a program in place to better document our assets. This includes facility diagrams, process diagrams, and condition assessments needed for our rates and fee study, as well as our capital forecasting plan.

Water Treatment Filter Rehabilitation The last capital upgrade to our water treatment plant will be upgrading the 6 direct filtration media filters with a new underdrain system, our air system, troughs and filter media. With the goal of increasing filter performance and flow capacity. Our 2024 project goals include pilot testing, CDPHE reviews, design, and bidding. We anticipate construction to begin early 2025.



Process Tank Rehab There are various process tanks at our water treatment plant. For this project we will be rehabilitating our raw water mix tank (well water coming into the plant), backwash storage tank (water storage for filter cleaning), and the clear well (treated and filtered water prior to being sent to our distribution system). This work is already underway and will be completed in early 2024.

Monarch Blvd Waterline Replacement We are working with the city to replace this line as they renovate and replace Monarch Boulevard from Castle Pines Parkway to the North, in this phase we will go just past Glen Oakes Drive. By working simultaneously with the City of Castle Pines we are able to capture cost-savings for both organizations. This section of waterline was improperly installed and improperly sized for the growth that has occurred in the district to the North. This is a fantastic opportunity to correct those issues, while increasing our ability to isolate and maintain waterlines.

Yorkshire Waterline Replacement This project has already completed the design and bid process. Construction is planned to begin in 2023 and be completed early 2024. We are replacing the waterline from the intersection of Yorkshire Drive and Castle Pines Parkway, north to the end of the cul-de-sac. This section of waterline has shown an unacceptable number of leaks and breaks, making the replacement critical for both financial planning and system reliability.

Liquid Ammonia Sulfate The goal of this project is to drastically upgrade our LAS feed and storage systems. This will provide operational reliability, operator safety, and some cost savings in our LAS chemical delivery. This project will be bid by the end of 2023, and construction will begin the first quarter of 2024.

Well A5 Redrill This project is currently on hold, we will likely get it back on the schedule for 2025.

Water Enterprise Fund

		2022 ESTIMATED	2023 BUDGET	2023 ESTIMATED	2024 PROPOSED
Water Enterprise Fund					
Water Operating Revenues					
60-60-00-4412	Water Service Revenue	\$ 4,008,058	\$ 3,250,000	\$ 3,250,000	\$ 3,250,000
60-60-00-4450	Golf Course Water Delivery	101,342	190,000	115,000	120,000
60-60-00-4404	Customer Charges - Water Activity	582,539	525,000	525,000	530,000
60-60-00-4425	Customer Credit Card Fees	-	-	-	40,000
60-60-00-4220	Reimbursable Inclusion Costs	32,241	25,000	-	-
60-60-00-4280	Inspection Fee	141,064	100,000	25,000	25,000
60-60-00-4250	Miscellaneous	-	32,000	10,000	15,000
60-60-00-4290	Ditch Right Revenue	-	60,000	-	-
60-60-00-4413	Bulk Water Sales	1,591	25,000	10,000	15,000
Total Water Operating Revenues		4,866,835	4,207,000	3,935,000	3,995,000
Water Operating Expenditures					
Salaries & Benefits					
60-60-00-5111	Salaries - Salaried	125,538	150,000	199,000	213,000
60-60-00-5113	Salaries - Hourly	42,795	-	-	-
60-60-00-5114	Salaries - OT/ Employee Bonuses	10,033	22,000	10,000	13,000
60-60-00-5121	PERA Employer Contribution	16,766	19,000	19,900	21,300
60-60-00-5122	Unemployment Insurance Taxes	446	450	400	500
60-60-00-5123	Workman Comp Insurance	546	4,500	500	600
60-60-00-5124	Employer Contr. Health Insurance	32,123	40,000	19,900	21,300
60-60-00-5125	Employer Contr. Medicare	2,613	2,300	15,200	16,300
60-60-00-5126	PERA Matchmaker Contribution	1,238	4,600	4,000	4,300
Total Salaries & Benefits		232,098	242,850	268,900	290,300
Other					
60-00-00-5112	Director Compensation	-	-	6,500	7,150
60-60-00-5145	Accounting and Payroll	73,299	70,000	166,400	175,500
60-00-00-5146	Audit	-	-	48,750	48,750
60-60-00-5147	Operations Staffing Contract	-	185,000	205,000	256,490
60-60-00-5159	Customer Credit Card Fees	46,050	60,000	40,000	40,000
60-60-00-5161	Professional Services- GIS	71,344	80,000	85,000	85,000
60-60-00-5163	Legal Services	-	-	91,000	91,000
60-60-00-5175	Engineering	250,498	75,000	75,000	75,000
60-60-00-5165	Engineering Services Reimbursable	22,663	-	15,000	15,000
60-60-00-5166	Software Support	7,675	7,000	19,500	19,500
60-60-00-5167	Professional Services - Water Rights	47,152	95,000	55,000	60,000
60-60-00-5168	Laboratory Testing	-	12,000	12,000	20,000
60-60-00-5169	Communications - Public Outreach	25,250	31,000	41,000	120,000
60-60-00-5170	Water Rebates	-	13,000	10,000	120,000
60-60-00-5171	Water Auditing	8,023	11,000	5,000	5,000
60-60-00-5172	Consulting Svcs - Public Relations	10,644	6,000	-	-
60-60-00-5201	Telephone/Alarms	46,886	10,600	25,675	15,000
60-60-00-5202	Building Utilities	-	-	9,750	9,750
60-60-00-5204	Trash Removal	-	-	1,950	1,950
60-60-00-5205	Electricity for Reuse Pumping	24,814	68,000	40,000	42,000
60-60-00-5206	Electricity for Well Pumping	671,519	740,000	765,000	826,200
60-60-00-5207	Electricity for WTP	80,096	90,000	80,000	86,400
60-60-00-5208	Electricity for Booster Pump Station	14,702	14,840	19,200	20,700
60-60-00-5209	Electricity for IPP Pumping Costs	78,065	68,900	45,000	48,600
60-60-00-5218	Professional Memberships/Subscriptions	1,540	1,400	1,850	2,275
60-60-00-5219	Professional Education/Conferences	7,416	7,000	12,000	19,000
60-60-00-5220	Insurance Property & Liability	51,849	26,000	53,300	58,500
60-60-00-5221	Postage & Freight	9,750	11,000	14,950	15,275
60-60-00-5222	Printing & Copying	22,898	6,500	13,000	13,325
60-60-00-5223	Operating Supplies	39,651	10,000	21,613	13,000
60-60-00-5226	Water Meters	174,614	100,000	85,000	90,000
60-60-00-5229	Building Cleaning Expenses	-	-	5,200	5,200
60-60-00-5230	Misc Expense	48,150	-	9,750	9,750
60-60-00-5231	Election Expenses	-	-	33,800	-
60-60-00-5235	Office Furniture/Equipment	-	-	1,950	1,950
60-60-00-5236	Small Tools	6,687	7,500	1,650	1,800
60-60-00-5240	South Metro Water Base Dues	-	27,000	-	-
60-60-00-5243	S. Platte Recovery Program	4,418	5,000	-	4,500
60-60-00-5301	Vehicle R & M	23,969	10,000	-	-
60-60-00-5302	Vehicle Fuel Expense	2,291	4,000	4,000	-
60-60-00-5305	Office Equipment R & M	-	-	1,300	1,300

Water Enterprise Fund cont.

		2022	2023	2023	2024
		ESTIMATED	BUDGET	ESTIMATED	PROPOSED
60-60-00-5309	Reuter-Hess Maintenance Obligations	-	32,000	-	-
60-60-00-5310	Building R & M	-	-	13,000	13,000
60-60-00-5311	Ditch Operating Assessments	46,115	57,000	57,000	10,000
60-60-00-5312	Building Expenses/Supplies	-	-	3,250	3,250
60-60-00-5316	Ditch/Land Rights Operating Expenses	15,965	20,000	14,500	15,000
60-60-00-5320	Wells Expenditures	1,962,377	500,000	400,000	450,000
60-60-00-5330	Water Treatment Plant Expenditures	4,743,774	700,000	750,000	400,000
60-60-00-5360	Water Distribution Expenditures	1,017,475	650,000	650,000	550,000
60-60-00-5361	Underground Utility Locates	-	42,000	44,000	45,000
60-60-00-5372	Centennial Capacity Readiness	400,000	425,000	400,000	400,000
60-60-00-5374	Centennial Delivery Charges	421,097	400,000	92,000	100,000
60-60-00-5376	Professional Svcs - Water Legal Engineering	-	27,500	-	-
60-60-00-5400	Professional Svcs - Water Rights Hamre	18,792	35,000	15,000	15,000
60-60-00-5410	Professional Svcs - Water Rights Applegate	8,090	50,000	31,000	32,000
60-60-00-5416	Professional Svcs- Water Loss/ Aquifer/ PCAP Study	-	100,000	-	-
60-60-00-5417	Professional Svcs- Backflow Program	-	100,000	100,000	125,000
60-60-00-5419	Professional Svcs- Rates and Fees Study	-	-	-	22,750
Total Expenditures- Other		10,505,598	4,991,240	4,690,838	4,605,865
Total Water Operating Expenditures		10,737,696	5,234,090	4,959,738	4,896,165
Water Non-Operating Revenues					
60-60-00-4110	Property Taxes	-	-	-	756,885
60-60-00-4120	Specific Ownership Taxes	-	-	-	60,600
60-60-00-4235	Oil Royalty Revenue	-	-	-	16,250
60-60-00-4210	Interest	495,142	100,000	250,000	250,000
60-60-00-4341	Transfer from General Fund	-	-	422,500	-
60-60-00-4405	Capital Improvement Fee	1,714,634	1,200,000	1,500,000	1,500,000
60-60-00-4406	Renewable Water Investment Revenue	3,219,340	3,000,000	1,000,000	1,000,000
60-60-00-4407	Proceeds from sale of assets	4,989,226	-	-	-
60-60-00-4415	Water Connect Fee	6,188,400	3,000,000	1,000,000	1,000,000
Total Water Non-Operating Revenues		16,606,742	7,300,000	4,172,500	4,583,735
Water Non-Operating Expenditures					
60-60-00-7725	Chatfield Res. Mitigation Co.	109,448	45,000	50,000	50,000
60-60-00-7740	Arapahoe Wells Repair/Rehab	-	240,000	1,300,000	240,000
60-60-00-7441	Denver Wells Repair/Rehab	-	240,000	100,000	240,000
60-60-00-7753	Sampling Station Installation	-	250,000	55,000	-
60-60-00-7754	Backwash Reclaim Tank Upgrade	-	1,430,000	1,600,000	-
60-60-00-7755	WTP Site Plan / O&M Manual Development	-	800,000	75,000	500,000
60-60-00-7756	WTP Filter Rehabilitation Program	-	2,300,000	-	500,000
60-60-00-7757	WTP Process Tank Rehab	-	1,750,000	160,000	900,000
60-60-00-7758	WTP HVAC	-	415,000	450,000	-
60-60-00-7759	WTP Building construction/ Filter room/ Office	-	60,000	25,000	150,000
60-60-00-7760	Well Control Vault Rehab Program	-	490,000	40,000	520,000
60-60-00-7761	Well DE-7	-	250,000	-	-
60-60-00-7762	Well A5 Re-Drill	-	1,750,000	-	-
60-60-00-7750	Consolidation Study	35,388	-	-	-
60-60-00-7763	Water Loss/ PCAP	-	100,000	-	100,000
60-60-00-7752	Water - Utility Easement	-	92,000	-	92,000
60-60-00-7767	Monarch Waterline Replacement	-	-	-	3,250,000
60-60-00-7768	Yorkshire W/L	-	-	-	990,000
60-60-00-7769	WTP Liquid Ammonia Sulfate	-	-	-	1,150,000
60-60-00-7900	Transfer to other fund	9,289,899	-	-	-
Total Water Non-Operating Expenditures		9,434,735	10,212,000	3,855,000	8,682,000
Change in Fund Balance		1,301,146	(3,939,090)	(707,238)	(4,999,430)
Beginning Fund Balance		88,957,070	111,410,836	90,258,216	89,550,978
WATER - ENDING FUND BALANCE		\$ 90,258,216	\$ 107,471,746	\$ 89,550,978	\$ 84,551,548

Wastewater Enterprise Fund



Although under the umbrella of a single capital project, our Lift Station Renovation Project is one of the largest undertakings in CPNMD's history. Having received a compliance advisory, and a subsequent violation for sanitary sewer overflows, we are in the process of completing substantial upgrades at 7 of the district's 8 lift stations. This project will include new lift station facilities, and the complete decommissioning of at least one lift station. We are working directly with the State on addressing this project that began with the initial design phase in 2022. For 2023, we anticipate final design completion, CDPHE review, and may even begin bidding and construction. Timing is in some respects out of our control, as these designs will require a lengthy review process through the State of Colorado. As such, costs for this upcoming year are difficult to predict, however project completion is expected in mid to late 2025. We anticipate the total project cost will be approximately 11 million dollars.

Wastewater Enterprise Fund

		2022 ESTIMATED	2023 BUDGET	2023 ESTIMATED	2024 PROPOSED
Wastewater Enterprise Fund					
Wastewater Operating Revenues					
60-61-00-4418	Sewer Service Charges	\$ 1,513,050	\$ 1,575,000	\$ 1,460,000	\$ 1,470,000
60-61-00-4404	Sewer Customer Charges	667,406	640,000	615,000	620,000
60-61-00-4425	Wastewater Customer Credit Card Fees	-	-	-	40,000
60-61-00-4220	Reimbursable Income	-	100,000	-	10,000
60-61-00-4250	Misc. Revenue	9,997	2,000	-	2,000
Total Wastewater Operating Revenues		2,190,453	2,317,000	2,075,000	2,142,000
Wastewater Operating Expenditures					
Salaries & Benefits					
60-61-00-5111	Salaries - Salaried	117,808	150,000	107,000	114,000
60-61-00-5113	Salaries - Hourly	42,795	-	-	-
60-61-00-5114	Salaries - OT/ Bonuses	10,033	22,000	10,000	7,000
60-61-00-5121	PERA Employer Contribution	16,141	18,000	10,700	11,400
60-61-00-5122	Unemployment Insurance Taxes	341	450	400	500
60-61-00-5123	Workman Comp Insurance	437	3,500	500	600
60-61-00-5124	Employer Contr. Health Insurance	30,700	38,000	19,900	21,300
60-61-00-5125	Employer Contr. Medicare	2,419	2,200	8,200	8,700
60-61-00-5126	PERA Matchmaker Contribution	1,107	4,500	2,100	2,300
Total Salaries & Benefits		221,781	238,650	158,800	165,800
Other					
60-61-00-5112	Director Compensation	-	-	3,500	3,850
60-61-00-5145	Accounting and Payroll	64,413	55,000	89,600	94,500
60-61-00-5146	Audit	-	-	26,250	26,250
60-61-00-5147	Operations Staffing Contract	-	200,000	205,000	138,000
60-61-00-5159	Customer Credit Card Fees	44,680	43,000	40,000	40,000
60-61-00-5161	Professional Services- GIS	40,320	100,000	50,000	50,000
60-60-00-5163	Legal Services	-	-	49,000	20,000
60-61-00-5164	Engineering	165,982	75,000	75,000	45,000
60-61-00-5165	Engineering Services Reimbursable	4,889	-	-	-
60-61-00-5166	Software Support	4,780	5,000	10,500	10,500
60-61-00-5167	PCWRA Sewer Fees	677,254	827,000	721,000	725,000
60-61-00-5169	Communications - Public Outreach	22,999	25,000	27,000	64,000
60-61-00-5172	Consulting Svcs - Public Relations	4,535	5,000	-	-
60-61-00-5173	PCWRA - Oxidation Ditch Payment	-	5,200	5,000	5,000
60-61-00-5201	Telephone/Alarms	23,250	20,000	13,825	8,000
60-61-00-5202	Building Utilities	-	-	5,250	5,250
60-61-00-5204	Trash Removal	-	-	1,050	1,050
60-61-00-5209	Electricity for Wastewater Pumping	75,667	76,320	85,500	92,340
60-61-00-5210	Natural Gas for Lift Stations	4,564	5,000	5,800	6,260
60-61-00-5218	Professional Memberships/Subscriptions	-	-	-	1,225
60-61-00-5219	Professional Education/Conferences	4,448	5,000	7,250	10,000
60-61-00-5220	Insurance Property & Liability	41,728	20,000	28,700	31,500
60-61-00-5221	Postage & Freight	6,660	6,000	8,050	8,225
60-61-00-5222	Printing & Copying	5,941	6,000	7,000	7,175
60-61-00-5223	Operating Supplies	9,549	10,000	11,638	7,000
60-61-00-5229	Building Cleaning Expenses	-	-	2,800	2,800
60-61-00-5230	Misc Expense	10,599	-	5,250	5,250
60-61-00-5231	Election Expenses	-	-	18,200	-
60-60-00-5235	Office Furniture/Equipment	-	-	1,050	1,050
60-61-00-5236	Small Tools	4,599	5,000	6,500	5,000
60-61-00-5301	Vehicle R & M	13,182	6,500	-	-
60-61-00-5302	Vehicle Fuel Expense	2,492	4,500	-	-
60-61-00-5305	Office Equipment R & M	-	-	700	700
60-61-00-5310	Building R & M	-	-	7,000	7,000
60-61-00-5312	Building Expenses/Supplies	-	-	1,750	1,750
60-61-00-5340	Lift Station - Generator Repairs and Maintenance	155,127	221,000	21,000	21,000
60-61-00-5350	Collection - Wet Well Cleaning	38,632	85,000	-	35,000
60-61-00-5360	Collection - Main Inspection and Cleaning	86,063	45,000	45,000	150,000
60-61-00-5361	Underground Utility Locates	-	42,000	25,000	25,000
60-61-00-5370	Collection - Repair and Maintenance	5,351	312,000	300,000	200,000
60-61-00-5400	Collection - Emergency Response	16,651	105,000	25,000	125,000
60-61-00-5410	Collection - Chemical Treatment	22,810	44,000	55,500	56,000
60-61-00-5419	Professional Services - Rates and Fees Study	-	-	-	12,250
60-61-00-5415	Professional Services - S.S.M.H. Condition Assessment	-	-	-	60,000
Total Expenditures - Other		1,557,165	2,358,520	1,987,163	2,104,075

Wastewater Enterprise Fund cont.

		2022	2023	2023	2024
		ESTIMATED	BUDGET	ESTIMATED	PROPOSED
Total Water Operating Expenditures		1,778,946	2,597,170	2,145,963	2,269,875
Wastewater Non-Operating Revenues					
60-61-00-4110	Property Taxes	-	-	-	252,295
60-61-00-4120	Specific Ownership Taxes	-	-	-	20,200
	Oil Royalty Revenue	-	-	-	8,750
60-61-00-4210	Interest	57,944	2,000	60,000	50,000
60-61-00-4415	Wastewater Connect Fee	1,602,072	1,500,000	500,000	500,000
60-61-00-4310	Proceeds from Sale of Assets	11,500	-	-	-
60-61-00-4341	Transfer from General Fund	-	-	227,500	-
Total Wastewater Non- Operating Revenues		1,671,516	1,502,000	787,500	831,245
Wastewater Non-Operating Expenditures					
60-61-00-7510	Waste Water - Debt Service	346,044	350,000	350,000	350,000
60-61-00-7750	Consolidation Study	35,388	80,000	-	-
60-61-00-7758	HVAC Replacement	-	100,000	-	-
60-61-00-7766	Waste Water - Lift Station Renovations	-	3,000,000	800,000	3,250,000
Total Wastewater Non-Operating Expenditures		381,432	3,530,000	1,150,000	3,600,000
Change in Fund Balance		1,701,591	(2,308,170)	(433,463)	(2,896,630)
Beginning Fund Balance		13,933,048	15,067,574	15,634,639	15,201,176
WASTEWATER - ENDING FUND BALANCE		\$ 15,634,639	\$ 12,759,404	\$ 15,201,176	\$ 12,304,546

General Fund



CPNMD will not maintain a general fund balance moving forward. Historically, this fund paid for Parks, Trails, Open-Space, and a portion of administrative functions across all our funds. These revenues were collected primarily through Property Tax dollars, and with the City successfully passing their ballot measure, there is no need to continue maintaining a general fund.

General Fund

		2022 ESTIMATED	2023 BUDGET	2023 ESTIMATED	2024 PROPOSED
General Fund					
Revenues					
10-00-00-4110	Property Taxes	\$ 3,320,757	\$ 3,308,191	\$ 3,308,191	\$ -
10-00-00-4120	Specific Ownership Taxes	293,970	264,655	264,700	-
10-00-00-4210	Interest	54,613	25,000	2,000	-
10-00-00-4230	Farm Land Revenue	22,872	-	-	-
10-00-00-4235	Oil Royalty Revenue	43,657	35,000	21,000	-
10-00-00-4250	Misc. Revenue	36,203	25,000	2,500	-
10-00-00-4260	Cell Phone Lease Revenue	99,397	75,000	75,000	-
TOTAL REVENUES		3,871,469	3,732,846	3,673,391	-
EXPENDITURES - Administrative					
Expenditures - Salaries & Benefits					
10-00-00-5111	Salaries - Salaried	81,395	190,000	25,500	-
10-00-00-5113	Salaries - Hourly	39,624	30,000	-	-
10-00-00-5121	PERA Employer Contribution	10,318	30,000	1,750	-
10-00-00-5122	Unemployment Insurance Taxes	308	325	60	-
10-00-00-5123	Workman Comp Insurance	273	1,000	40	-
10-00-00-5124	Employer Contr. Health Insurance	8,340	20,000	2,000	-
10-00-00-5125	Employer Contr. Medicare	10,191	3,200	172	-
10-00-00-5126	PERA Matchmaker Contribution	1,854	6,800	178	-
Total Expenditures - Administrative		152,303	281,325	29,700	-
EXPENDITURES - Other					
10-00-00-5112	Director Compensation	9,000	10,000	-	-
10-00-00-5145	Accounting and Payroll	147,796	140,000	40,000	-
10-00-00-5146	Audit	31,800	72,000	1,000	-
10-00-00-5163	Legal Services	146,345	127,000	40,602	-
10-00-00-5166	Software Support	27,826	30,000	8,400	-
10-00-00-5169	Consulting Svcs - Communications	68,451	85,000	10,400	-
10-00-00-5171	Consulting Svcs - Website Maintenance	-	2,500	300	-
10-00-00-5172	Consulting Svcs - Public Relations	11,339	9,500	4,200	-
10-00-00-5201	Telephone	12,121	15,000	5,800	-
10-00-00-5202	Building Utilities	14,793	15,000	5,000	-
10-00-00-5204	Trash Removal	2,818	2,500	1,000	-
10-00-00-5218	Professional Memberships/Subscriptions	-	4,000	1,200	-
10-00-00-5219	Professional Education/Conferences	3,200	3,200	-	-
10-00-00-5221	Postage & Freight	3,673	5,000	700	-
10-00-00-5222	Printing & Copying	6,727	20,000	1,450	-
10-00-00-5223	Office Supplies	2,926	2,500	1,450	-
10-00-00-5225	Insurance	12,428	10,000	-	-
10-00-00-5226	County Treasurer Collection	49,838	49,623	49,623	-
10-00-00-5229	Building Cleaning Expenses	6,816	8,000	1,700	-
10-00-00-5230	Miscellaneous	6,349	2,500	500	-
10-00-00-5231	Election	40,888	40,000	8,200	-
10-00-00-5235	Office Furniture/Equipment	1,208	3,000	2,000	-
10-00-00-5301	Vehicle Repair & Maint.	-	5,000	500	-
10-00-00-5305	Office Equipment R & M	-	2,000	-	-
10-00-00-5310	Building R & M	13,928	30,000	1,840	-
10-00-00-5312	Building Expenses/Supplies	5,056	5,000	265	-
10-00-00-6516	Transfer to Water Fund	-	-	422,500	-
10-00-00-6517	Transfer to Wastewater Fund	-	-	227,500	-
10-00-00-5999	IGA transfer- City of Castle Pines	-	-	2,884,046	-
Total Expenditures - Other		625,326	698,323	3,720,176	-
Total Expenditures - Administrative & Other		777,629	979,648	3,749,876	-
EXPENDITURES - Parks & Open Space					
Expenditures - Salaries & Benefits					
10-20-00-5111	Salaries - Salaried	157,664	210,000	20,000	-
10-20-00-5113	Salaries Hourly	23,775	-	5,000	-
10-20-00-5121	PERA Employer Contribution	21,683	37,000	3,000	-
10-20-00-5122	Unemployment Insurance Taxes	422	900	180	-
10-20-00-5123	Workman Comp Insurance	3,628	7,500	500	-
10-20-00-5124	Employer Contr. Health Insurance	36,053	57,000	3,000	-
10-20-00-5125	Employer Contr. Medicare	2,610	3,045	500	-
10-20-00-5126	PERA Matchmaker Contribution	4,227	7,560	500	-
Total Expenditures - Salaries & Benefits		250,062	323,005	32,680	-

General Fund cont.

		2022 ESTIMATED	2023 BUDGET	2023 ESTIMATED	2024 PROPOSED
	EXPENDITURES - Other				
10-20-00-5165	Other Consulting Services	-	5,000	150	-
10-20-00-5166	Software Support	619	2,500	-	-
10-20-00-5201	Telephone/Alarms	3,155	12,000	1,400	-
10-20-00-5218	Professional Memberships/Subscriptions	789	1,000	200	-
10-20-00-5219	Professional Education/Conferences	2,655	5,000	1,000	-
10-20-00-5225	Insurance	83,457	42,000	-	-
10-20-00-5301	Vehicle R & M	16,572	15,000	6,400	-
10-20-00-5302	Vehicle Fuel Expense	8,239	10,500	2,000	-
10-20-00-5400	Irrigation Expense	875,077	400,000	50,000	-
10-20-00-5401	Storm Drainage Expense	7,342	10,000	3,000	-
10-20-00-5410	Grounds Maintenance Contract - ARK	93,021	95,000	3,200	-
10-20-00-5411	Grounds Maintenance - Pest Control	2,842	6,000	450	-
10-20-00-5412	Grounds Maintenance - Tree Pruning/Removal & Shrubs	29,268	50,000	24,000	-
10-20-00-5413	Grounds Maintenance Contract - BrightView	120,351	200,000	54,000	-
10-20-00-5414	Grounds R & M - Retaining Wall	23,040	20,000	-	-
10-20-00-5420	Grounds Operating Supplies	4,959	10,000	2,500	-
10-20-00-5425	Grounds R & M - Landscape	139,737	350,000	5,400	-
10-20-00-5427	Grounds R & M - Slope Repair	-	30,000	5,000	-
10-20-00-5428	Grounds R & M - Other	92,062	80,000	24,000	-
10-20-00-5429	Grounds R & M - Electrical	8,988	20,000	5,000	-
10-20-00-5441	Ground R & M - Irrigation	48,327	40,000	15,500	-
10-20-00-5430	Electricity Parks/Open Space	44,508	50,000	22,000	-
10-20-00-5431	Grounds R & M - Plant Material	1,549	40,000	22,000	-
10-20-00-5434	Holiday Lighting	19,798	35,000	-	-
10-20-00-5435	Parks Services	22,168	31,000	17,500	-
10-20-00-5440	Fire Mitigation	29,395	50,000	-	-
10-20-00-5999	IGA transfer - City of Castle Pines	-	-	3,806,574	-
	Total Expenditures - Other	1,677,918	1,610,000	4,071,274	-
	Total Expenditures - Parks & Open Space	1,927,980	1,933,005	4,103,954	-
	EXPENDITURES - Capital				
10-20-00-7115	Architecture Design - Master Plan	33,697	-	3,700	-
10-20-00-7117	Website	-	10,000	8,400	-
10-20-00-7118	Sound System	-	15,000	5,800	-
10-00-00-7608	Pickleball Court	281,528	897,000	460,000	-
10-20-00-7120	Skate Park	-	1,250,000	-	-
10-20-00-7121	Tennis Courts	-	850,000	-	-
10-20-00-7122	Concrete Repair/Replacement	-	33,000	-	-
10-20-00-7659	Trail Additions	-	100,000	-	-
10-20-00-5999	IGA - City of Castle Pines	-	-	2,671,389	-
	Total Expenditures - Capital	315,225	3,155,000	3,149,289	-
	Other Revenues & Expenditures				
10-50-00-7550	2015 COPS Principal	(18,805,000)	-	-	-
10-50-00-7560	2015 COPS Interest	(330,380)	-	-	-
10-50-00-4413	Transfer from Other Fund	9,289,899	-	-	-
10-50-00-4310	Proceeds from Sale of Assets	9,229,364	-	-	-
	Total Other Revenues & Expenditures	(616,117)	-	-	-
	Change in Fund Balance	234,518	(2,334,807)	(7,329,728)	-
	Beginning Fund Balance	7,095,210	7,028,870	7,329,728	-
	GENERAL - ENDING FUND BALANCE	\$ 7,329,728	\$ 4,694,063	\$ -	\$ -

Stormwater Fund



Since early 2023 we have not collected stormwater fees. As with Parks, Trails and Open-Space, CPNMD's operation, maintenance, and capital stormwater responsibilities have been taken over by the City of Castle Pines. The city has already begun collecting fees from residents to pay for these services. Like the General Fund, CPNMD will no longer maintain a Stormwater Enterprise fund. The money that had been saved in this fund has already been transferred to the City of Castle Pines as part of the agreement, helping ensure that they have the resources needed to continue these services.

Storm Drainage Fund

		2022 ESTIMATED	2023 BUDGET	2023 ESTIMATED	2024 PROPOSED
Storm Drainage Fund					
Operating Revenues					
60-62-00-4417	Storm Drainage Revenue	\$ 252,000	\$ 255,000	\$ 42,500	\$ -
60-62-00-4210	Interest	15,696	5,000	2,000	-
Total Storm Drainage Operating Revenues		267,696	260,000	44,500	-
Storm Drainage Operating Expenditures					
Salaries & Benefits					
60-62-00-5111	Salaries - Salaried	11,344	14,000	6,000	-
60-62-00-5113	Salaries - Hourly	9,510	-	3,000	-
60-62-00-5121	PERA Employer Contribution	1,833	2,500	1,500	-
60-62-00-5122	Unemployment Insurance Taxes	106	175	50	-
60-62-00-5123	Workman Comp Insurance	109	950	70	-
60-62-00-5124	Employer Contr. Health Insurance	4,076	4,500	1,000	-
60-62-00-5125	Employer Contr. Medicare	276	4,500	150	-
60-62-00-5126	PERA Matchmaker Contribution	304	600	130	-
Total Salaries & Benefits		27,558	27,225	11,900	-
Other					
60-62-00-5145	Accounting and Payroll	8,886	10,000	1,886	-
60-62-00-5164	Engineering Svcs	-	5,000	-	-
60-62-00-5166	Software Support	945	2,500	425	-
60-62-00-5169	Consulting Svcs - Communications	5,500	16,000	550	-
60-62-00-5172	Consulting Svcs - Public Relations	1,134	1,000	400	-
60-62-00-5220	Property & Liability Insurance	10,432	5,000	-	-
60-62-00-5221	Postage & Freight	1,620	2,500	500	-
60-62-00-5222	Printing & Copying	902	2,500	400	-
60-62-00-5301	Vehicle R & M	-	1,500	-	-
60-62-00-5302	Vehicle Fuel Expense	786	1,500	-	-
60-62-00-5401	Storm Drainage Expense	-	25,000	-	-
60-62-00-5999	IGA - City of Castle Pines	-	-	1,375,963	-
Total Other		30,205	72,500	1,380,124	-
Change in Fund Balance		209,933	164,500	(1,347,524)	-
Beginning Fund Balance		1,137,591	1,282,297	1,347,524	-
STORM DRAINAGE - ENDING FUND BALANCE		\$ 1,347,524	\$ 1,446,797	\$ -	\$ -

Conservation Trust Fund



Revenue for this fund has come from State of Colorado Lottery Proceeds, and was intended for use in our parks, trails and open space. The money in the fund was transferred to the City of Castle Pines as part of our IGA, and any additional revenue received will be passed to the city as well, allowing this money to support our community recreation spaces throughout the City of Castle Pines.

		2022 ESTIMATED	2023 BUDGET	2023 ESTIMATED	2024 PROPOSED
Conservation Trust Fund					
Revenues					
20-00-00-4240	Lottery Proceeds	\$ 48,663	\$ 46,000	\$ 56,500	\$ 50,000
20-00-00-4210	Interest	7,082	200	200	200
Total Revenues		55,745	46,200	56,700	50,200
Expenditures					
20-00-00-5438	Parks, Rec, and Open Space Additions	-	46,200	-	-
20-00-00-5999	IGA - City of Castle Pines	-	-	476,070	50,200
Total Expenditures		-	46,200	476,070	50,200
Change in Fund Balance		55,745	-	(419,370)	-
Beginning Fund Balance		363,625	-	419,370	-
CONSERVATION TRUST - ENDING FUND BALANCE		\$ 419,370	\$ -	\$ -	\$ -



<i>TO:</i>	Castle Pines North Metropolitan District Board of Directors
<i>FROM:</i>	Phyllis Brown and Sadie Whitworth Community Resource Services of Colorado
<i>SUBJ:</i>	Financial Update
<i>DATE:</i>	11/27/2023

1. **Property and Specific Ownership Tax**–

- a. Douglas County Tax revenues recognized by the District through October 2023 totaled \$3,518,002.74. Property taxes collected year-to-date are 99.92% of the total amount levied for collection in 2023 compared to 99.87% in October 2022. All taxes received year-to-date have been transferred to the City of Castle Pines as required under the 2023 IGA with the District and the City of Castle Pines.

2. **Enterprise Fund Budget Variances** –

- a. Billed water usage in the month of October 2023 was 61,514,000, a 31.79% increase from water service revenue in October 2022.

	Total Billable Usage (Gallons)									
	2019	Cumulative	2020	Cumulative	2021	Cumulative	2022	Cumulative	2023	Cumulative
January	18,643,000	18,643,000	17,293,004	17,293,004	18,151,000	18,151,000	20,046,000	20,046,000	26,439,000	26,439,000
February	15,044,000	33,687,000	14,982,003	32,275,007	17,457,000	35,608,000	20,853,100	40,899,100	17,334,000	43,773,000
March	15,318,000	49,005,000	16,335,744	48,610,751	17,858,000	53,466,000	16,836,000	57,735,100	17,766,000	61,539,000
April	26,363,018	75,368,018	24,158,000	72,768,751	18,712,000	72,178,000	41,324,000	99,059,100	24,839,000	86,378,000
May	41,799,060	117,167,078	71,928,000	144,696,751	35,457,000	107,635,000	84,723,000	183,782,100	37,307,000	123,685,000
June	80,543,140	197,710,218	102,094,000	246,790,751	94,733,000	202,368,000	247,608,000	431,390,100	45,739,003	169,424,003
July	93,154,283	290,864,501	103,182,000	349,972,751	108,586,000	310,954,000	105,870,004	537,260,104	82,846,000	252,270,003
August	90,673,055	381,537,556	129,364,000	479,336,751	115,338,000	426,292,000	77,481,009	614,741,113	77,494,000	329,764,003
September	94,449,002	475,986,558	82,736,000	562,072,751	99,888,000	526,180,000	73,357,011	688,098,124	69,434,000	399,198,003
October	35,573,003	511,559,561	50,520,000	612,592,751	46,326,000	572,506,000	46,674,005	734,772,129	61,514,000	460,712,003
November	16,831,002	528,390,563	20,576,000	633,168,751	20,919,000	593,425,000	29,710,000	764,482,129	-	460,712,003
December	18,507,004	546,897,567	17,717,000	650,885,751	18,294,000	611,719,000	29,684,000	794,166,129	-	460,712,003

- b. Year to date, the District has received taps fees for 19 properties, resulting in total revenues of \$978,531.

7995 East Prentice Avenue, Suite 103E
Greenwood Village, CO 80111-2710
Phone:303.381.4960 · Fax: 303.381.4961

CASTLE PINES NORTH METROPOLITAN DISTRICT

Property Tax Reconciliation

2023

	Property Tax	Delinquent Tax, Rebates, Exemp Abatements	Specific Ownership			Treasurer's Fees	Total Amount Received	% of Levied Property Tax Received	
			Tax	Interest				Monthly	Y-T-D
January	\$ 120,876.69	\$ -	\$ 24,971.37	\$ -	\$ (1,813.19)	\$ 144,034.87	3.65%	3.65%	
February	1,321,984.77	-	26,294.95	-	(19,829.77)	1,328,449.95	39.96%	43.61%	
March	93,282.75	-	26,654.39	11.92	(1,399.45)	118,549.61	2.82%	46.43%	
April	384,573.41	56,055.20	22,439.21	32.32	(6,582.25)	456,517.89	13.32%	59.75%	
May	237,844.21		27,919.29	343.74	(3,572.80)	262,534.44	7.19%	66.94%	
June	1,049,646.00		25,010.31	418.62	(15,751.01)	1,059,323.92	31.73%	98.67%	
July	33,758.26	(3,185.95)	26,504.62	834.21	(471.58)	57,439.56	0.92%	99.59%	
August	6,536.19		28,647.95	242.98	(101.72)	35,325.40	0.20%	99.79%	
September	3,465.83		24,987.15	170.49	(54.55)	28,568.92	0.10%	99.89%	
October	829.13	(0.95)	26,393.50	49.68	(13.18)	27,258.18	0.03%	99.92%	
November						-	0.00%	99.92%	
December						-	0.00%	99.92%	
TOTAL	\$ 3,252,797.24	\$ 52,868.30	\$ 259,822.74	\$ 2,103.96	\$ (49,589.50)	\$ 3,518,002.74	99.92%	99.92%	

CUMULATIVE TAXES 2023	Due to City of Castle Pines Under 2023 Parks IGA	Transfer Date
\$ 144,034.87		
1,472,484.82		
1,591,034.43	\$ 1,591,034.43	4/28/2023
2,047,552.32	456,517.89	5/18/2023
2,310,086.76	262,534.44	6/21/2023
3,369,410.68	1,059,323.92	7/19/2023
3,426,850.24	57,439.56	8/24/2023
3,462,175.64	35,325.40	9/21/2023
3,490,744.56	28,568.92	10/20/2023
3,518,002.74	27,258.18	11/20/2023
3,518,002.74		
\$ 3,518,002.74	\$ 3,518,002.74	

2022		
Property Tax Received	% of Levied Property Tax Received	
	Monthly	Y-T-D
\$ 39,635.90	1.19%	1.19%
1,267,967.99	38.14%	39.33%
232,183.83	6.98%	46.31%
495,673.35	14.91%	61.22%
193,153.14	5.81%	67.03%
1,030,005.03	30.98%	98.01%
38,444.13	1.16%	99.17%
16,484.15	0.50%	99.67%
9,056.28	0.27%	99.94%
(2,233.97)	-0.07%	99.87%
1,729.33	0.05%	99.92%
(1,341.99)	-0.04%	99.88%
\$ 3,320,757.17	99.88%	99.88%

Assessed Valuation	Mill Levy	Amount Levied	% of Levied	Amount Received	% Amount Received to Amount Levied
\$ 209,511,790	15.790	\$ 3,308,191	100.00%	\$ 3,305,665.54	99.92%

Property Tax from Mill Levy

General Fund

**Castle Pines North Metropolitan District
Disbursements Summary
For the Period October 20, 2023 - November 22, 2023
TO BE RATIFIED**

CHECKS - 28227 through 28278

Amount

General Fund

October 20, 2023 - October 31, 2023
November 1, 2023 - November 22, 2023

\$ -
74,276.31

Total - General Fund

\$ 74,276.31

Enterprise Funds

October 20, 2023 - October 31, 2023
November 1, 2023 - November 22, 2023

\$ -
1,040,392.91

Total - Enterprise Funds

\$ 1,040,392.91

TOTAL CHECKS TO BE RATIFIED

\$ 1,114,669.22

ELECTRONIC PAYMENTS (all funds)

October 20, 2023 - October 31, 2023
November 1, 2023 - November 22, 2023

\$ 55,629.70
324,751.32

TOTAL ELECTRONIC PAYMENTS TO BE RATIFIED

\$ 380,381.02

Total All Funds Payments to be Ratified

\$ 1,495,050.24

Castle Pines North Metropolitan District
Electronic Payments Report
For the Period October 20, 2023 - November 22, 2023
TO BE RATIFIED

	Amount
<u>Electronic Payments</u>	
Century Link	\$ -
Xcel	3,112.20
Payroll & payroll related items (Month-End October)	15,433.18
Payroll & payroll related items (Mid-Month November)	14,737.73
Bank Service Charges	7,676.10
United Healthcare	3,353.54
Bluefin	84.80
Citywide Visa Credit Card Payment	9,156.74
City of Castle Pines Parks & Open Space 2023 - Oct Tax Payment	27,258.18
Chase Loan Payment	299,199.15
Total Electronic Payments	\$ <u>380,011.62</u>

Castle Pines North Board of Directors

J. Blanckaert - No Payment for Meeting Attendance	\$ 92.35
T. Radloff - No payment for Meeting Attendance	92.35
J. Krell - Payment for Meeting Attendance	92.35
L. Engquist - Payment for Meeting	92.35
J. Mulvey - No payment	-
Total payments to Board of Directors	\$ <u>369.40</u>

Total Electronic Payments to be Ratified - All funds **\$ 380,381.02**

Castle Pines North Metro. District

Cash Disbursement Journals

Payee	Trans. Type Trans. No.	Trans. Date	Post Date Post Status	Amount	Account Number	Description	Debit Amount	Credit Amount
Backflow Secure; Management	Computer Check 28227	11/02/2023	11/02/2023	\$9,000.00	10-00-00-1127	Citywide Bank	\$0.00	\$9,000.00
			Posted		10-00-60-1990	Category Cash	\$9,000.00	\$0.00
					60-00-00-2100	Accounts Payable Co	\$9,000.00	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$9,000.00
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description	Amount	
769	11/01/2023	Backflow Services Prog	\$9,000.00	\$9,000.00	60-60-00-5417	Professional Svcs - Backflow Prog	\$9,000.00	
<i>Totals:</i>							\$9,000.00	
COMCAST	Computer Check 28228	11/02/2023	11/02/2023	\$353.70	10-00-00-1127	Citywide Bank	\$0.00	\$353.70
			Posted		10-00-60-1990	Category Cash	\$353.70	\$0.00
					60-00-00-2100	Accounts Payable Co	\$353.70	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$353.70
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description	Amount	
8497202420365418	10/18/2023	HS Internet- WTP	\$353.70	\$353.70	60-60-00-5201	Telephone/Alarms	\$353.70	
<i>Totals:</i>							\$353.70	
Companion Life	Computer Check 28229	11/02/2023	11/02/2023	\$329.46	10-00-00-1127	Citywide Bank	\$0.00	\$329.46
			Posted		10-00-00-2100	Accounts Payable Co	\$98.84	\$0.00
					10-00-60-1990	Category Cash	\$230.62	\$0.00
					60-00-00-2100	Accounts Payable Co	\$230.62	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$230.62
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description	Amount	
695960	10/20/2023	Dental Insurance	\$329.46	\$329.46	10-00-00-5124	Employer Contr. Health Insurance	\$62.60	
695960	10/20/2023	Dental Insurance	\$329.46	\$329.46	10-20-00-5124	Employer Contr. Health Insurance	\$36.24	
695960	10/20/2023	Dental Insurance	\$329.46	\$329.46	60-60-00-5124	Employer Contr. Health Insurance	\$115.31	
695960	10/20/2023	Dental Insurance	\$329.46	\$329.46	60-61-00-5124	Employer Contr. Health Insurance	\$92.25	
695960	10/20/2023	Dental Insurance	\$329.46	\$329.46	60-62-00-5124	Employer Contr. Health Insurance	\$23.06	
<i>Totals:</i>							\$329.46	
Dana Kepner Co.	Computer Check 28230	11/02/2023	11/02/2023	\$3,698.67	10-00-00-1127	Citywide Bank	\$0.00	\$3,698.67
			Posted		10-00-60-1990	Category Cash	\$3,698.67	\$0.00
					60-00-00-2100	Accounts Payable Co	\$3,698.67	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$3,698.67
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description	Amount	
1565642-01	10/27/2023	Meter Equipment	\$3,575.00	\$3,575.00	60-60-00-5226	Water Meters	\$3,575.00	
<i>Totals:</i>							\$3,575.00	
1587181-00	10/31/2023	Meter Equipment	\$123.67	\$123.67	60-60-00-5226	Water Meters	\$123.67	
<i>Totals:</i>							\$123.67	

Castle Pines North Metro. District

Cash Disbursement Journals

Payee	Trans. Type Trans. No.	Trans. Date	Post Date Post Status	Amount	Account Number	Description	Debit Amount	Credit Amount
Elevated Restoration Services	Computer Check 28231	11/02/2023	11/02/2023	\$99,531.00	10-00-00-1127	Citywide Bank	\$0.00	\$99,531.00
			Posted		10-00-60-1990	Category Cash	\$99,531.00	\$0.00
					60-00-00-2100	Accounts Payable Co	\$99,531.00	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$99,531.00

Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description	Amount
Pay App 1	09/30/2023	CPN LS 9- Support & li	\$63,900.00	\$63,900.00	60-60-00-7766	Waste Water - Lift Station Renovi	\$63,900.00
						Totals:	\$63,900.00
Pay App 2	09/30/2023	CPN LS 9- Ozone Gene	\$35,631.00	\$35,631.00	60-60-00-7766	Waste Water - Lift Station Renovi	\$35,631.00
						Totals:	\$35,631.00

ENLIVE tv Services LLC	Computer Check 28232	11/02/2023	11/02/2023	\$200.00	10-00-00-1127	Citywide Bank	\$0.00	\$200.00
			Posted		10-00-60-1990	Category Cash	\$200.00	\$0.00
					60-00-00-2100	Accounts Payable Co	\$200.00	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$200.00

Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description	Amount
0132	11/01/2023	CDN- Board Meetings-	\$200.00	\$200.00	60-60-00-5169	Communications - Public Outreach	\$100.00
0132	11/01/2023	CDN- Board Meetings-	\$200.00	\$200.00	60-61-00-5169	Communications - Public Outreach	\$100.00
						Totals:	\$200.00

Family Support Registry	Computer Check 28233	11/02/2023	11/02/2023	\$286.50	10-00-00-1127	Citywide Bank	\$0.00	\$286.50
			Posted		10-00-00-2100	Accounts Payable Co	\$286.50	\$0.00

Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description	Amount
	10/31/2023	Wage Garnishment- Re	\$286.50	\$286.50	10-00-00-2110	Misc. Accounts Payable	\$286.50
						Totals:	\$286.50

FIRSTBANK	Computer Check 28234	11/02/2023	11/02/2023	\$2,785.48	10-00-00-1127	Citywide Bank	\$0.00	\$2,785.48
			Posted		10-00-60-1990	Category Cash	\$2,785.48	\$0.00
					60-00-00-2100	Accounts Payable Co	\$2,785.48	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$2,785.48

Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description	Amount
4449	10/19/2023	Credit Card	\$2,785.48	\$2,785.48	60-60-00-5166	Software Support	\$19.99
4449	10/19/2023	Credit Card	\$2,785.48	\$2,785.48	60-60-00-5169	Communications - Public Outreach	\$30.16
4449	10/19/2023	Credit Card	\$2,785.48	\$2,785.48	60-60-00-5219	Professional Education/Conferen	\$77.98
4449	10/19/2023	Credit Card	\$2,785.48	\$2,785.48	60-60-00-5360	Water Distribution R&M	\$2,496.11
4449	10/19/2023	Credit Card	\$2,785.48	\$2,785.48	60-61-00-5166	Software Support	\$19.99
4449	10/19/2023	Credit Card	\$2,785.48	\$2,785.48	60-61-00-5219	Professional Education & Confere	\$141.25
						Totals:	\$2,785.48

Glacier Construction Co	Computer Check	11/02/2023	11/02/2023	\$53,357.00	10-00-00-1127	Citywide Bank	\$0.00	\$53,357.00
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Castle Pines North Metro. District

Cash Disbursement Journals

Payee	Trans. Type Trans. No.	Trans. Date	Post Date Post Status	Amount	Account Number	Description	Debit Amount	Credit Amount
	28235		Posted		10-00-60-1990	Category Cash	\$53,357.00	\$0.00
					60-00-00-2100	Accounts Payable Co	\$53,357.00	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$53,357.00
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description		Amount
2241-Final Pay App 1	09/20/2023	Backwash Reclaim Tanl	\$53,357.00	\$53,357.00	60-60-00-7754	Backwash Reclaim Tank Upgrade		\$53,357.00
						<i>Totals:</i>		\$53,357.00
HBS	Computer Check 28236	11/02/2023	11/02/2023 Posted	\$359.50	10-00-00-1127 10-00-00-2100	Citywide Bank Accounts Payable Co	\$0.00 \$359.50	\$359.50 \$0.00
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description		Amount
FR3602896	10/31/2023	Trash Service- 7404 Yo	\$359.50	\$359.50	10-00-00-5204	Trash Removal		\$359.50
						<i>Totals:</i>		\$359.50
Home Depot Credit Services	Computer Check 28237	11/02/2023	11/02/2023 Posted	\$442.60	10-00-00-1127 10-00-60-1990 60-00-00-2100 60-00-10-1990	Citywide Bank Category Cash Accounts Payable Co Cash Allocation	\$0.00 \$442.60 \$442.60 \$0.00	\$442.60 \$0.00 \$0.00 \$442.60
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description		Amount
7747	10/27/2023	Credit Card	\$442.60	\$442.60	60-60-00-5330	Water Treatment Plant R&M		\$442.60
						<i>Totals:</i>		\$442.60
JAN PRO Cleaning Systems of (Computer Check 28238	11/02/2023	11/02/2023 Posted	\$552.00	10-00-00-1127 10-00-00-2100	Citywide Bank Accounts Payable Co	\$0.00 \$552.00	\$552.00 \$0.00
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description		Amount
272366	11/01/2023	Janitorial Service- CC-	\$552.00	\$552.00	10-00-00-5229	Building Cleaning Expenses		\$552.00
						<i>Totals:</i>		\$552.00
Jehn Water Consultants Inc.	Computer Check 28239	11/02/2023	11/02/2023 Posted	\$8,161.52	10-00-00-1127 10-00-60-1990 60-00-00-2100 60-00-10-1990	Citywide Bank Category Cash Accounts Payable Co Cash Allocation	\$0.00 \$8,161.52 \$8,161.52 \$0.00	\$8,161.52 \$0.00 \$0.00 \$8,161.52
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description		Amount
125.1/11-23	11/01/2023	General Water Rights	\$6,578.75	\$6,578.75	60-60-00-5167	Professional Services - Water Rig		\$6,578.75
						<i>Totals:</i>		\$6,578.75
125.6/11-23	11/01/2023	Resume Review	\$112.50	\$112.50	60-60-00-5167	Professional Services - Water Rig		\$112.50
						<i>Totals:</i>		\$112.50
871.1/11-23	11/01/2023	Hock Hocking Share	\$1,470.27	\$1,470.27	60-60-00-5316	Ditch/Land Rights Operating Exp		\$1,470.27
						<i>Totals:</i>		\$1,470.27

Castle Pines North Metro. District

Cash Disbursement Journals

Payee	Trans. Type Trans. No.	Trans. Date	Post Date Post Status	Amount	Account Number	Description	Debit Amount	Credit Amount
Layne Christensen Company	Computer Check 28240	11/02/2023	11/02/2023 Posted	\$197,415.00	10-00-00-1127	Citywide Bank	\$0.00	\$197,415.00
					10-00-60-1990	Category Cash	\$197,415.00	\$0.00
					60-00-00-2100	Accounts Payable Co	\$197,415.00	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$197,415.00
							<i>Totals:</i>	<u>\$47,315.00</u>
							<i>Totals:</i>	<u>\$150,100.00</u>
Level Engineering and Inspectio	Computer Check 28241	11/02/2023	11/02/2023 Posted	\$9,288.75	10-00-00-1127	Citywide Bank	\$0.00	\$9,288.75
					10-00-60-1990	Category Cash	\$9,288.75	\$0.00
					60-00-00-2100	Accounts Payable Co	\$9,288.75	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$9,288.75
							<i>Totals:</i>	<u>\$9,288.75</u>
Mountain Peak Controls Inc.	Computer Check 28242	11/02/2023	11/02/2023 Posted	\$810.00	10-00-00-1127	Citywide Bank	\$0.00	\$810.00
					10-00-60-1990	Category Cash	\$810.00	\$0.00
					60-00-00-2100	Accounts Payable Co	\$810.00	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$810.00
							<i>Totals:</i>	<u>\$810.00</u>
SRH Cleaning Services LLC	Computer Check 28243	11/02/2023	11/02/2023 Posted	\$3,000.00	10-00-00-1127	Citywide Bank	\$0.00	\$3,000.00
					10-00-60-1990	Category Cash	\$3,000.00	\$0.00
					60-00-00-2100	Accounts Payable Co	\$3,000.00	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$3,000.00
							<i>Totals:</i>	<u>\$3,000.00</u>
The Castle Pines Connection	Computer Check 28244	11/02/2023	11/02/2023 Posted	\$1,800.00	10-00-00-1127	Citywide Bank	\$0.00	\$1,800.00
					10-00-60-1990	Category Cash	\$1,800.00	\$0.00
					60-00-00-2100	Accounts Payable Co	\$1,800.00	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$1,800.00

Castle Pines North Metro. District

Cash Disbursement Journals

Payee	Trans. Type Trans. No.	Trans. Date	Post Date Post Status	Amount	Account Number	Description	Debit Amount	Credit Amount
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description	Amount	
13421	11/01/2023	Full Page Ad	\$1,800.00	\$1,800.00	60-60-00-5169	Communications - Public Outreach		\$1,800.00
<i>Totals:</i>								\$1,800.00
TRUE NORTH Surveying & Mapping	Computer Check 28245	11/02/2023	11/02/2023 Posted	\$11,000.00	10-00-00-1127	Citywide Bank	\$0.00	\$11,000.00
					10-00-60-1990	Category Cash	\$11,000.00	\$0.00
					60-00-00-2100	Accounts Payable Co	\$11,000.00	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$11,000.00
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description	Amount	
TN 23064-1	10/29/2023	WTP- Surveying Services	\$11,000.00	\$11,000.00	60-60-00-7755	WTP Site Plan / O&M Manual Development		\$11,000.00
<i>Totals:</i>								\$11,000.00
TW Summit Corporation	Computer Check 28246	11/02/2023	11/02/2023 Posted	\$4,039.20	10-00-00-1127	Citywide Bank	\$0.00	\$4,039.20
					10-00-60-1990	Category Cash	\$4,039.20	\$0.00
					60-00-00-2100	Accounts Payable Co	\$4,039.20	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$4,039.20
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description	Amount	
32228	11/01/2023	Hydrant Painting- #1	\$4,039.20	\$4,039.20	60-60-00-5360	Water Distribution R&M		\$4,039.20
<i>Totals:</i>								\$4,039.20
Utility Notification Ctr CO	Computer Check 28247	11/02/2023	11/02/2023 Posted	\$183.18	10-00-00-1127	Citywide Bank	\$0.00	\$183.18
					10-00-60-1990	Category Cash	\$183.18	\$0.00
					60-00-00-2100	Accounts Payable Co	\$183.18	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$183.18
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description	Amount	
223100399	10/31/2023	Utility Locate Service	\$183.18	\$183.18	60-60-00-5361	Underground Utility Locates		\$91.59
223100399	10/31/2023	Utility Locate Service	\$183.18	\$183.18	60-61-00-5418	Underground Utility Locates		\$91.59
<i>Totals:</i>								\$183.18
WEX Bank	Computer Check 28248	11/02/2023	11/02/2023 Posted	\$72.11	10-00-00-1127	Citywide Bank	\$0.00	\$72.11
					10-00-00-2100	Accounts Payable Co	\$72.11	\$0.00
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description	Amount	
92646644	10/23/2023	Fuel	\$72.11	\$72.11	10-00-00-5302	Vehicle Fuel Expense		\$72.11
<i>Totals:</i>								\$72.11
Xerox Financial Services	Computer Check 28249	11/02/2023	11/02/2023 Posted	\$470.00	10-00-00-1127	Citywide Bank	\$0.00	\$470.00
					10-00-00-2100	Accounts Payable Co	\$470.00	\$0.00
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description	Amount	
4896192	10/12/2023	Xerox Copier Lease	\$470.00	\$470.00	10-00-00-5222	Printing & Copying		\$470.00

Castle Pines North Metro. District

Cash Disbursement Journals

Payee	Trans. Type Trans. No.	Trans. Date	Post Date Post Status	Amount	Account Number	Description	Debit Amount	Credit Amount
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description		
							<i>Totals:</i>	\$470.00
Advanced Mechanical Services	Computer Check 28250	11/16/2023	11/16/2023 Not yet posted	\$1,910.00	10-00-00-1127	Citywide Bank	\$0.00	\$1,910.00
					10-00-60-1990	Category Cash	\$1,910.00	\$0.00
					60-00-00-2100	Accounts Payable Co	\$1,910.00	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$1,910.00
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description		
1706	11/10/2023	BPS- New Starter Insta	\$1,910.00	\$1,910.00	60-60-00-5360	Water Distribution R&M		
							<i>Totals:</i>	\$1,910.00
Centennial Water & Sanitation	Computer Check 28251	11/16/2023	11/16/2023 Not yet posted	\$74,642.52	10-00-00-1127	Citywide Bank	\$0.00	\$74,642.52
					10-00-60-1990	Category Cash	\$74,642.52	\$0.00
					60-00-00-2100	Accounts Payable Co	\$74,642.52	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$74,642.52
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description		
1111780398	10/31/2023	Centennial Water Deliv	\$74,642.52	\$74,642.52	60-60-00-5374	Centennial Delivery Charges		
							<i>Totals:</i>	\$74,642.52
COMCAST	Computer Check 28252	11/16/2023	11/16/2023 Not yet posted	\$166.94	10-00-00-1127	Citywide Bank	\$0.00	\$166.94
					10-00-00-2100	Accounts Payable Co	\$166.94	\$0.00
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description		
8497202420309499	11/03/2023	HS Internet- 7404 York	\$166.94	\$166.94	10-00-00-5201	Telephone		
							<i>Totals:</i>	\$166.94
Community Resource Services	Computer Check 28253	11/16/2023	11/16/2023 Not yet posted	\$58,610.00	10-00-00-1127	Citywide Bank	\$0.00	\$58,610.00
					10-00-00-2100	Accounts Payable Co	\$29,305.00	\$0.00
					10-00-60-1990	Category Cash	\$29,305.00	\$0.00
					60-00-00-2100	Accounts Payable Co	\$29,305.00	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$29,305.00
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description		
	10/31/2023	Finance & Billing Serv	\$58,610.00	\$58,610.00	10-00-00-5145	Accounting and Payroll		
	10/31/2023	Finance & Billing Serv	\$58,610.00	\$58,610.00	60-60-00-5145	Accounting and Payroll		
	10/31/2023	Finance & Billing Serv	\$58,610.00	\$58,610.00	60-61-00-5145	Accounting and Payroll		
	10/31/2023	Finance & Billing Serv	\$58,610.00	\$58,610.00	60-62-00-5145	Accounting and Payroll		
							<i>Totals:</i>	\$58,610.00
Continental Utility Solutions In	Computer Check 28254	11/16/2023	11/16/2023 Not yet posted	\$2,000.00	10-00-00-1127	Citywide Bank	\$0.00	\$2,000.00
					10-00-60-1990	Category Cash	\$2,000.00	\$0.00

Castle Pines North Metro. District

Cash Disbursement Journals

Payee	Trans. Type Trans. No.	Trans. Date	Post Date Post Status	Amount	Account Number	Description	Debit Amount	Credit Amount
					60-00-00-2100	Accounts Payable Co	\$2,000.00	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$2,000.00
	Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description	Amount
	U34556	11/08/2023	Web Portal 2.0 Annual	\$2,000.00	\$2,000.00	60-60-00-5166	Software Support	\$1,000.00
	U34556	11/08/2023	Web Portal 2.0 Annual	\$2,000.00	\$2,000.00	60-61-00-5166	Software Support	\$1,000.00
						<i>Totals:</i>		\$2,000.00
CORE Electric Coop	Computer Check 28255	11/16/2023	11/16/2023 Not yet posted	\$73,099.48	10-00-00-1127	Citywide Bank	\$0.00	\$73,099.48
					10-00-00-2100	Accounts Payable Co	\$439.66	\$0.00
					10-00-60-1990	Category Cash	\$72,659.82	\$0.00
					60-00-00-2100	Accounts Payable Co	\$72,659.82	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$72,659.82
	Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description	Amount
	23793000	11/02/2023	Electrical Service	\$73,099.48	\$73,099.48	10-00-00-5202	Building Utilities	\$439.66
	23793000	11/02/2023	Electrical Service	\$73,099.48	\$73,099.48	60-60-00-5206	Electricity for Well Pumping	\$58,982.98
	23793000	11/02/2023	Electrical Service	\$73,099.48	\$73,099.48	60-60-00-5207	Electricity for WTP	\$7,007.14
	23793000	11/02/2023	Electrical Service	\$73,099.48	\$73,099.48	60-60-00-5208	Electricity for Booster Pump Stati	\$614.44
	23793000	11/02/2023	Electrical Service	\$73,099.48	\$73,099.48	60-60-00-5330	Water Treatment Plant R&M	\$127.74
	23793000	11/02/2023	Electrical Service	\$73,099.48	\$73,099.48	60-61-00-5209	Electricity for Wastewater Pumpir	\$5,927.52
						<i>Totals:</i>		\$73,099.48
Dana Kepner Co.	Computer Check 28256	11/16/2023	11/16/2023 Not yet posted	\$61,267.26	10-00-00-1127	Citywide Bank	\$0.00	\$61,267.26
					10-00-60-1990	Category Cash	\$61,267.26	\$0.00
					60-00-00-2100	Accounts Payable Co	\$61,267.26	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$61,267.26
	Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description	Amount
	1549933-01	11/03/2023	MXU Meter Units	\$4,758.24	\$4,758.24	60-60-00-5226	Water Meters	\$4,758.24
						<i>Totals:</i>		\$4,758.24
	1577801-00	11/09/2023	1 1/2" Meters	\$56,509.02	\$56,509.02	60-60-00-5226	Water Meters	\$56,509.02
						<i>Totals:</i>		\$56,509.02
EPR	Computer Check 28257	11/16/2023	11/16/2023 Not yet posted	\$19,073.19	10-00-00-1127	Citywide Bank	\$0.00	\$19,073.19
					10-00-60-1990	Category Cash	\$19,073.19	\$0.00
					60-00-00-2100	Accounts Payable Co	\$19,073.19	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$19,073.19
	Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description	Amount
	3693	11/07/2023	Griggs & Daniels Gate-	\$4,781.88	\$4,781.88	60-60-00-7753	Sampling Station Installation	\$4,781.88
						<i>Totals:</i>		\$4,781.88
	3686	11/07/2023	Tapadero Way- LS4- M	\$14,291.31	\$14,291.31	60-60-00-5360	Water Distribution R&M	\$14,291.31

Castle Pines North Metro. District

Cash Disbursement Journals

Payee	Trans. Type Trans. No.	Trans. Date	Post Date Post Status	Amount	Account Number	Description	Debit Amount	Credit Amount
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description		
						<i>Totals:</i>		\$14,291.31
Family Support Registry	Computer Check 28258	11/16/2023	11/16/2023 Not yet posted	\$286.50	10-00-00-1127	Citywide Bank	\$0.00	\$286.50
					10-00-00-2100	Accounts Payable Co	\$286.50	\$0.00
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description		
	11/15/2023	Wage Garnishment- FS	\$286.50	\$286.50	10-00-00-2110	Misc. Accounts Payable		\$286.50
						<i>Totals:</i>		\$286.50
Glacier Construction Co	Computer Check 28259	11/16/2023	11/16/2023 Not yet posted	\$80,070.75	10-00-00-1127	Citywide Bank	\$0.00	\$80,070.75
					10-00-60-1990	Category Cash	\$80,070.75	\$0.00
					60-00-00-2100	Accounts Payable Co	\$80,070.75	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$80,070.75
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description		
2348- Pay App 1	11/08/2023	WTP Tank Rehabilitatic	\$80,070.75	\$80,070.75	60-60-00-7757	WTP Process Tank Rehab		\$80,070.75
						<i>Totals:</i>		\$80,070.75
Greystone Technology Group	Computer Check 28260	11/16/2023	11/16/2023 Not yet posted	\$1,500.00	10-00-00-1127	Citywide Bank	\$0.00	\$1,500.00
					10-00-00-2100	Accounts Payable Co	\$1,500.00	\$0.00
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description		
79049	11/01/2023	IT Service	\$1,500.00	\$1,500.00	10-00-00-5166	Software Support		\$1,500.00
						<i>Totals:</i>		\$1,500.00
Hamre Rodriguez Ostrander	Computer Check 28261	11/16/2023	11/16/2023 Not yet posted	\$978.00	10-00-00-1127	Citywide Bank	\$0.00	\$978.00
					10-00-60-1990	Category Cash	\$978.00	\$0.00
					60-00-00-2100	Accounts Payable Co	\$978.00	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$978.00
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description		
13645	10/31/2023	Legal Service- Water R	\$978.00	\$978.00	60-60-00-5400	Professional Svcs - Water Rights I		\$978.00
						<i>Totals:</i>		\$978.00
Highlands Ranch Metro District	Computer Check 28262	11/16/2023	11/16/2023 Not yet posted	\$36.50	10-00-00-1127	Citywide Bank	\$0.00	\$36.50
					10-00-60-1990	Category Cash	\$36.50	\$0.00
					60-00-00-2100	Accounts Payable Co	\$36.50	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$36.50
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description		
97288	10/17/2023	Pump Station	\$36.50	\$36.50	60-60-00-5374	Centennial Delivery Charges		\$36.50
						<i>Totals:</i>		\$36.50

Castle Pines North Metro. District

Cash Disbursement Journals

Payee	Trans. Type	Trans. No.	Trans. Date	Post Date	Post Status	Amount	Account Number	Description	Debit Amount	Credit Amount		
Layne Christensen Company	Computer Check	28263	11/16/2023	11/16/2023	Not yet posted	\$15,395.00	10-00-00-1127	Citywide Bank	\$0.00	\$15,395.00		
									10-00-60-1990	Category Cash	\$15,395.00	\$0.00
									60-00-00-2100	Accounts Payable Co	\$15,395.00	\$0.00
									60-00-10-1990	Cash Allocation	\$0.00	\$15,395.00

Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description	Amount
2602486	11/06/2023	A2 Pump Inspection &	\$15,395.00	\$15,395.00	60-60-00-5320	Wells R&M	\$15,395.00
<i>Totals:</i>							\$15,395.00

Letters Plus	Computer Check	28264	11/16/2023	11/16/2023	Not yet posted	\$6,000.00	10-00-00-1127	Citywide Bank	\$0.00	\$6,000.00		
									10-00-60-1990	Category Cash	\$6,000.00	\$0.00
									60-00-00-2100	Accounts Payable Co	\$6,000.00	\$0.00
									60-00-10-1990	Cash Allocation	\$0.00	\$6,000.00

Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description	Amount
	11/06/2023	Mailing & Postage Fun	\$6,000.00	\$6,000.00	60-60-00-5221	Postage & Freight	\$2,160.00
	11/06/2023	Mailing & Postage Fun	\$6,000.00	\$6,000.00	60-60-00-5222	Printing & Copying	\$840.00
	11/06/2023	Mailing & Postage Fun	\$6,000.00	\$6,000.00	60-61-00-5221	Postage & Freight	\$1,740.00
	11/06/2023	Mailing & Postage Fun	\$6,000.00	\$6,000.00	60-61-00-5222	Printing & Copying	\$660.00
	11/06/2023	Mailing & Postage Fun	\$6,000.00	\$6,000.00	60-62-00-5221	Postage & Freight	\$420.00
	11/06/2023	Mailing & Postage Fun	\$6,000.00	\$6,000.00	60-62-00-5222	Printing & Copying	\$180.00
<i>Totals:</i>							\$6,000.00

M Gilmore Electric LLC	Computer Check	28265	11/16/2023	11/16/2023	Not yet posted	\$11,575.00	10-00-00-1127	Citywide Bank	\$0.00	\$11,575.00		
									10-00-60-1990	Category Cash	\$11,575.00	\$0.00
									60-00-00-2100	Accounts Payable Co	\$11,575.00	\$0.00
									60-00-10-1990	Cash Allocation	\$0.00	\$11,575.00

Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description	Amount
3643	11/10/2023	Lightning Protection Ec	\$11,575.00	\$11,575.00	60-60-00-7758	WTP HVAC	\$11,575.00
<i>Totals:</i>							\$11,575.00

Molly Rosenmeyer Designs	Computer Check	28266	11/16/2023	11/16/2023	Not yet posted	\$308.75	10-00-00-1127	Citywide Bank	\$0.00	\$308.75		
									10-00-60-1990	Category Cash	\$308.75	\$0.00
									60-00-00-2100	Accounts Payable Co	\$308.75	\$0.00
									60-00-10-1990	Cash Allocation	\$0.00	\$308.75

Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description	Amount
MR106	11/10/2023	Door Hangers & Conn	\$308.75	\$308.75	60-60-00-5169	Communications - Public Outrea	\$154.37
MR106	11/10/2023	Door Hangers & Conn	\$308.75	\$308.75	60-61-00-5169	Communications - Public Outrea	\$154.38
<i>Totals:</i>							\$308.75

Mountain Peak Controls Inc.	Computer Check		11/16/2023	11/16/2023		\$64,340.00	10-00-00-1127	Citywide Bank	\$0.00	\$64,340.00
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Castle Pines North Metro. District

Cash Disbursement Journals

Payee	Trans. Type Trans. No.	Trans. Date	Post Date Post Status	Amount	Account Number	Description	Debit Amount	Credit Amount
	28267		Not yet posted		10-00-60-1990	Category Cash	\$64,340.00	\$0.00
					60-00-00-2100	Accounts Payable Co	\$64,340.00	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$64,340.00
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description		Amount
30320	11/03/2023	Pump Station Comms	\$1,215.00	\$1,215.00	60-60-00-5360	Water Distribution R&M		\$1,215.00
						<i>Totals:</i>		\$1,215.00
30329	11/07/2023	VPN Cell Modems & Iç	\$63,125.00	\$63,125.00	60-60-00-7766	Waste Water - Lift Station Renovi		\$63,125.00
						<i>Totals:</i>		\$63,125.00
Office Depot Business Credit	Computer Check 28268	11/16/2023	11/16/2023 Not yet posted	\$4,916.16	10-00-00-1127	Citywide Bank	\$0.00	\$4,916.16
					10-00-60-1990	Category Cash	\$4,916.16	\$0.00
					60-00-00-2100	Accounts Payable Co	\$4,916.16	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$4,916.16
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description		Amount
8660	11/05/2023	Folding Chairs- Comm	\$4,916.16	\$4,916.16	60-60-00-5169	Communications - Public Outreach		\$2,458.08
8660	11/05/2023	Folding Chairs- Comm	\$4,916.16	\$4,916.16	60-61-00-5169	Communications - Public Outreach		\$2,458.08
						<i>Totals:</i>		\$4,916.16
Pathian Administrators	Computer Check 28269	11/16/2023	11/16/2023 Not yet posted	\$59.13	10-00-00-1127	Citywide Bank	\$0.00	\$59.13
					10-00-00-2100	Accounts Payable Co	\$33.20	\$0.00
					10-00-60-1990	Category Cash	\$25.93	\$0.00
					60-00-00-2100	Accounts Payable Co	\$25.93	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$25.93
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description		Amount
173542	11/08/2023	Vision Insurance	\$59.13	\$59.13	10-00-00-2237	EE Contribution Health		\$22.08
173542	11/08/2023	Vision Insurance	\$59.13	\$59.13	10-00-00-5124	Employer Contr. Health Insurance		\$7.04
173542	11/08/2023	Vision Insurance	\$59.13	\$59.13	10-20-00-5124	Employer Contr. Health Insurance		\$4.08
173542	11/08/2023	Vision Insurance	\$59.13	\$59.13	60-60-00-5124	Employer Contr. Health Insurance		\$12.97
173542	11/08/2023	Vision Insurance	\$59.13	\$59.13	60-61-00-5124	Employer Contr. Health Insurance		\$10.37
173542	11/08/2023	Vision Insurance	\$59.13	\$59.13	60-62-00-5124	Employer Contr. Health Insurance		\$2.59
						<i>Totals:</i>		\$59.13
Plum Creek Water Reclamation	Computer Check 28270	11/16/2023	11/16/2023 Not yet posted	\$66,962.20	10-00-00-1127	Citywide Bank	\$0.00	\$66,962.20
					10-00-60-1990	Category Cash	\$66,962.20	\$0.00
					60-00-00-2100	Accounts Payable Co	\$66,962.20	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$66,962.20
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description		Amount
CPNMD1023	11/01/2023	Wastewater Treatment	\$60,340.00	\$60,340.00	60-61-00-5167	PCWRA Sewer Fees		\$60,340.00

Castle Pines North Metro. District

Cash Disbursement Journals

Payee	Trans. Type Trans. No.	Trans. Date	Post Date Post Status	Amount	Account Number	Description	Debit Amount	Credit Amount
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description	Amount	
							<i>Totals:</i>	\$60,340.00
RCPN1023	11/01/2023	Pond 16- October	\$6,622.20	\$6,622.20	60-60-00-5205	Reuse Pumping		\$6,622.20
							<i>Totals:</i>	\$6,622.20
QP Services LLC	Computer Check 28271	11/16/2023	11/16/2023 Not yet posted	\$75,949.30	10-00-00-1127 10-00-60-1990 60-00-00-2100 60-00-10-1990	Citywide Bank Category Cash Accounts Payable Co Cash Allocation	\$0.00 \$75,949.30 \$75,949.30 \$0.00	\$75,949.30 \$0.00 \$0.00 \$75,949.30
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description	Amount	
PJINV000692	10/31/2023	2023 Maintenance Cor	\$71,309.80	\$71,309.80	60-61-00-5350	Collection - Well Cleaning		\$71,309.80
							<i>Totals:</i>	\$71,309.80
PJINV000701	10/31/2023	Lagae LS- Vac Truck &	\$4,639.50	\$4,639.50	60-61-00-5350	Collection - Well Cleaning		\$4,639.50
							<i>Totals:</i>	\$4,639.50
RubinBrown LLP	Computer Check 28272	11/16/2023	11/16/2023 Not yet posted	\$22,000.00	10-00-00-1127 10-00-00-2100	Citywide Bank Accounts Payable Co	\$0.00 \$22,000.00	\$22,000.00 \$0.00
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description	Amount	
971863	09/30/2023	2022 Audit	\$9,000.00	\$9,000.00	10-00-00-5146	Auditing		\$9,000.00
							<i>Totals:</i>	\$9,000.00
977376	10/31/2023	2022 Audit	\$13,000.00	\$13,000.00	10-00-00-5146	Auditing		\$13,000.00
							<i>Totals:</i>	\$13,000.00
Semocor Inc	Computer Check 28273	11/16/2023	11/16/2023 Not yet posted	\$31,005.47	10-00-00-1127 10-00-60-1990 60-00-00-2100 60-00-10-1990	Citywide Bank Category Cash Accounts Payable Co Cash Allocation	\$0.00 \$31,005.47 \$31,005.47 \$0.00	\$31,005.47 \$0.00 \$0.00 \$31,005.47
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description	Amount	
6446	11/01/2023	ORC, WTP & LSs & Fiel	\$31,005.47	\$31,005.47	60-60-00-5146	Operations Staffing Contract		\$14,662.50
6446	11/01/2023	ORC, WTP & LSs & Fiel	\$31,005.47	\$31,005.47	60-60-00-5330	Water Treatment Plant R&M		\$809.63
6446	11/01/2023	ORC, WTP & LSs & Fiel	\$31,005.47	\$31,005.47	60-60-00-5360	Water Distribution R&M		\$870.84
6446	11/01/2023	ORC, WTP & LSs & Fiel	\$31,005.47	\$31,005.47	60-61-00-5147	Operations Staffing Contract		\$14,662.50
							<i>Totals:</i>	\$31,005.47
Seter & Vander Wall P.C.	Computer Check 28274	11/16/2023	11/16/2023 Not yet posted	\$18,706.06	10-00-00-1127 10-00-00-2100	Citywide Bank Accounts Payable Co	\$0.00 \$18,706.06	\$18,706.06 \$0.00
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description	Amount	
86407	10/31/2023	Legal Service	\$18,706.06	\$18,706.06	10-00-00-5163	Legal Services		\$18,706.06
							<i>Totals:</i>	\$18,706.06

Castle Pines North Metro. District

Cash Disbursement Journals

Payee	Trans. Type Trans. No.	Trans. Date	Post Date Post Status	Amount	Account Number	Description	Debit Amount	Credit Amount
SRH Cleaning Services LLC	Computer Check 28275	11/16/2023	11/16/2023	\$3,000.00	10-00-00-1127	Citywide Bank	\$0.00	\$3,000.00
			Not yet posted		10-00-60-1990	Category Cash	\$3,000.00	\$0.00
					60-00-00-2100	Accounts Payable Co	\$3,000.00	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$3,000.00
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description		Amount
1042	11/08/2023	WTP Cleaning	\$3,000.00	\$3,000.00	60-60-00-5330	Water Treatment Plant R&M		\$3,000.00
						<i>Totals:</i>		\$3,000.00
TRUE NORTH Surveying & Map	Computer Check 28276	11/16/2023	11/16/2023	\$11,000.00	10-00-00-1127	Citywide Bank	\$0.00	\$11,000.00
			Not yet posted		10-00-60-1990	Category Cash	\$11,000.00	\$0.00
					60-00-00-2100	Accounts Payable Co	\$11,000.00	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$11,000.00
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description		Amount
TN 23064-2	11/12/2023	WTP Surveying Service	\$11,000.00	\$11,000.00	60-60-00-7755	WTP Site Plan / O&M Manual De		\$11,000.00
						<i>Totals:</i>		\$11,000.00
David & Marnie Blanco	One-Time Check 28277	11/16/2023	11/16/2023	\$2,522.63	10-00-00-1127	Citywide Bank	\$0.00	\$2,522.63
			Not yet posted		10-00-60-1990	Category Cash	\$2,522.63	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$2,522.63
					60-60-00-4409	Refunds	\$2,522.63	\$0.00
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description		Amount
	11/16/2023		\$0.00	\$0.00	10-00-60-1990	Category Cash		\$2,522.63
	11/16/2023		\$0.00	\$0.00	60-60-00-4409	Refunds		\$2,522.63
						<i>Totals:</i>		\$5,045.26
Richard & Reba Hattz	One-Time Check 28278	11/16/2023	11/16/2023	\$152.71	10-00-00-1127	Citywide Bank	\$0.00	\$152.71
			Not yet posted		10-00-60-1990	Category Cash	\$152.71	\$0.00
					60-00-10-1990	Cash Allocation	\$0.00	\$152.71
					60-60-00-4409	Refunds	\$152.71	\$0.00
Invoice #	Invoice Date	Description	Invoice Amount	Amount Paid	Account Number	Account Description		Amount
	11/16/2023		\$0.00	\$0.00	10-00-60-1990	Category Cash		\$152.71
	11/16/2023		\$0.00	\$0.00	60-60-00-4409	Refunds		\$152.71
						<i>Totals:</i>		\$305.42
Grand Totals:				\$1,114,669.22			\$2,155,062.13	\$2,155,062.13
A total of 52 payment(s) listed								

Castle Pines North Metro. District

Cash Disbursement Journals

Account Summary

Account Number	Description	Debit Amount	Credit Amount
10-00-00-1127	Citywide Bank	\$0.00	\$1,114,669.22
10-00-00-2100	Accounts Payable Control	\$74,276.31	\$74,276.31
10-00-00-2110	Misc. Accounts Payable	\$573.00	\$0.00
10-00-00-2237	EE Contribution Health	\$22.08	\$0.00
10-00-00-5124	Employer Contr. Health Insurance	\$69.64	\$0.00
10-00-00-5145	Accounting and Payroll	\$29,305.00	\$0.00
10-00-00-5146	Auditing	\$22,000.00	\$0.00
10-00-00-5163	Legal Services	\$18,706.06	\$0.00
10-00-00-5166	Software Support	\$1,500.00	\$0.00
10-00-00-5201	Telephone	\$166.94	\$0.00
10-00-00-5202	Building Utilities	\$439.66	\$0.00
10-00-00-5204	Trash Removal	\$359.50	\$0.00
10-00-00-5222	Printing & Copying	\$470.00	\$0.00
10-00-00-5229	Building Cleaning Expenses	\$552.00	\$0.00
10-00-00-5302	Vehicle Fuel Expense	\$72.11	\$0.00
10-00-60-1990	Category Cash	\$1,040,392.91	\$1,037,717.57
10-20-00-5124	Employer Contr. Health Insurance	\$40.32	\$0.00
60-00-00-2100	Accounts Payable Control	\$1,037,717.57	\$1,037,717.57
60-00-10-1990	Cash Allocation	\$0.00	\$1,040,392.91
60-60-00-4409	Refunds	\$2,675.34	\$0.00
60-60-00-5124	Employer Contr. Health Insurance	\$128.28	\$0.00
60-60-00-5145	Accounting and Payroll	\$14,652.50	\$0.00
60-60-00-5146	Operations Staffing Contract	\$14,662.50	\$0.00
60-60-00-5166	Software Support	\$1,019.99	\$0.00
60-60-00-5167	Professional Services - Water Rights	\$6,691.25	\$0.00
60-60-00-5169	Communications - Public Outreach	\$4,542.61	\$0.00
60-60-00-5201	Telephone/Alarms	\$353.70	\$0.00
60-60-00-5205	Reuse Pumping	\$6,622.20	\$0.00
60-60-00-5206	Electricity for Well Pumping	\$58,982.98	\$0.00
60-60-00-5207	Electricity for WTP	\$7,007.14	\$0.00
60-60-00-5208	Electricity for Booster Pump Station	\$614.44	\$0.00
60-60-00-5219	Professional Education/Conferences	\$77.98	\$0.00
60-60-00-5221	Postage & Freight	\$2,160.00	\$0.00
60-60-00-5222	Printing & Copying	\$840.00	\$0.00
60-60-00-5226	Water Meters	\$64,965.93	\$0.00
60-60-00-5316	Ditch/Land Rights Operating Expenses	\$1,470.27	\$0.00
60-60-00-5320	Wells R&M	\$212,810.00	\$0.00
60-60-00-5330	Water Treatment Plant R&M	\$7,379.97	\$0.00
60-60-00-5360	Water Distribution R&M	\$24,822.46	\$0.00

Castle Pines North Metro. District Cash Disbursement Journals

60-60-00-5361	Underground Utility Locates	\$91.59	\$0.00
60-60-00-5374	Centennial Delivery Charges	\$74,679.02	\$0.00
60-60-00-5400	Professional Svcs - Water Rights Hamre,	\$978.00	\$0.00
60-60-00-5417	Professional Svcs - Backflow Program	\$9,000.00	\$0.00
60-60-00-7753	Sampling Station Installation	\$4,781.88	\$0.00
60-60-00-7754	Backwash Reclaim Tank Upgrade	\$53,357.00	\$0.00
60-60-00-7755	WTP Site Plan / O&M Manual Developm	\$22,000.00	\$0.00
60-60-00-7757	WTP Process Tank Rehab	\$80,070.75	\$0.00
60-60-00-7758	WTP HVAC	\$11,575.00	\$0.00
60-60-00-7766	Waste Water - Lift Station Renovations	\$162,656.00	\$0.00
60-61-00-5124	Employer Contr. Health Insurance	\$102.62	\$0.00
60-61-00-5145	Accounting and Payroll	\$11,722.00	\$0.00
60-61-00-5147	Operations Staffing Contract	\$14,662.50	\$0.00
60-61-00-5166	Software Support	\$1,019.99	\$0.00
60-61-00-5167	PCWRA Sewer Fees	\$60,340.00	\$0.00
60-61-00-5169	Communications - Public Outreach	\$2,712.46	\$0.00
60-61-00-5209	Electricity for Wastewater Pumping	\$5,927.52	\$0.00
60-61-00-5219	Professional Education & Conferences	\$141.25	\$0.00
60-61-00-5221	Postage & Freight	\$1,740.00	\$0.00
60-61-00-5222	Printing & Copying	\$660.00	\$0.00
60-61-00-5350	Collection - Well Cleaning	\$75,949.30	\$0.00
60-61-00-5370	Collection - Repair and Maintenance	\$810.00	\$0.00
60-61-00-5400	Collection - Emergency Response	\$9,288.75	\$0.00
60-61-00-5418	Underground Utility Locates	\$91.59	\$0.00
60-62-00-5124	Employer Contr. Health Insurance	\$25.65	\$0.00
60-62-00-5145	Accounting and Payroll	\$2,930.50	\$0.00
60-62-00-5221	Postage & Freight	\$420.00	\$0.00
60-62-00-5222	Printing & Copying	\$180.00	\$0.00

Accounts Receivable Summary

From 10/01/2023 Through 10/31/2023

<u>OPEN BALANCE</u>					<u>Balance</u>
	915,723.15				915,723.15
<u>MONTHLY-Adjustment</u>	<u>Amount</u>			<u>Usage</u>	<u>Count</u>
WATER	-111,274.07			0.00	15
SEWER	-4.62			0.00	2
CAP MAINT WT	25.94			0.00	2
CUST CHG WTR	0.65			0.00	2
CUST CHG SWR	14.25			0.00	2
WAT.Penalty	-25.00			0.00	2
***Total Adjustment	-111,262.85			0.00	25
<u>MONTHLY-Charge</u>	<u>Minimum</u>	<u>Overage</u>	<u>Usage</u>	<u>Count</u>	<u>Total</u>
WATER	0.00	487,772.98	61,514,000.00	4,035	487,772.98
SEWER	0.00	138,720.09	19,783,451.00	3,937	138,720.09
CAP MAINT WT	148,576.83	0.00	0.00	4,033	148,576.83
CUST CHG WTR	47,861.98	0.00	0.00	4,033	47,861.98
CUST CHG SWR	56,607.85	0.00	0.00	3,936	56,607.85
***Total Charge	253,046.66	626,493.07	81,297,451.00	19,974	879,539.73
<u>MONTHLY-Penalty</u>	<u>Amount</u>			<u>Count</u>	
WATER	2,375.00			95	1,686,375.03
SEWER	225.00			104	1,686,600.03
CAP MAINT WT	0.00			104	1,686,600.03
CUST CHG WTR	0.00			104	1,686,600.03
CUST CHG SWR	0.00			104	1,686,600.03
***Total Penalty	2,600.00			511	
<u>MONTHLY-Miscellaneous</u>	<u>Amount</u>			<u>Count</u>	
WATER Miscellaneous	36.00			3	1,686,636.03
***Total Miscellaneous	36.00			3	
<u>MONTHLY-Payment</u>	<u>Amount</u>			<u>Count</u>	

WATER	-422,373.75	3,996	1,264,262.28
WATER Miscellaneous	-60.00		1,264,202.28
SEWER	-137,888.98	3,749	1,126,313.30
DRAINAGE	-7.58	2	1,126,305.72
CAP MAINT WT	-159,896.51	3,881	966,409.21
CUST CHG WTR	-50,007.67	3,871	916,401.54
CUST CHG SWR	-58,533.77	3,729	857,867.77
WAT.Penalty	-2,325.84	2	855,541.93
SEW.Penalty	-50.00		855,491.93
***Total Payments	<u>-831,144.10</u>	<u>19,230</u>	

<u>MONTHLY-Return Check</u>	<u>Amount</u>	<u>Count</u>	<u>Balance</u>
WATER	328.02	4	855,819.95
SEWER	199.61	4	856,019.56
CAP MAINT WT	124.20	4	856,143.76
CUST CHG WTR	47.00	4	856,190.76
CUST CHG SWR	64.08	4	856,254.84
***Total Return Check	<u>762.91</u>	<u>20</u>	

<u>MONTHLY-Refund</u>	<u>Amount</u>	<u>Count</u>	
WATER	517.45	3	856,772.29
***Total Refund	<u>517.45</u>	<u>3</u>	

Closing Balance 856,772.29

CASTLE PINES NORTH



METROPOLITAN DISTRICT™

Memorandum

From: Nathan J. Travis
To: CPNMD Board of Directors
Date: 10/27/2023
Re: District Manager's Report

Public Engagement/ Communications

- I'm meeting with our potential social media management firm, the Castle Pines Connection, and our graphic artist the first week of December to begin setting up our communication focus and strategies for 2024. I
- Castle Pines Connection, This Month's ad features a brief holiday message from myself to the community, and a QR code directing people to the budget on our website. This budget will also be available in booklet form beginning 2024.
- Holdover: I plan to reach out to our various HOA's and begin attending meetings, with the goal of touching base at each, once a year, again to get more face time with our community. Spread awareness and get in better touch with our community. **Update:** I have scheduled two meetings, one with Pine Ridge, and one with Forest Park.

Staffing

- No Updates

Lift Station Rehab

- We have decided to eliminate Lift Station 2, and leave all of the others in place (pending a final survey to ensure we can meet grade lines)
- I met with the Hidden Pointe HOA last week to discuss needed land acquisition and easements, this was well received, and I anticipate no major hurdles here.
- Holdover: Site drainage, and additional Concrete work is underway at the LS 3 site.
- Holdover: Final design work continues and is expected to be ready for submission to the State for review.

Conservation

- Holdover: In the next month I plan to meet with a representative of Resource Central, to review our program performance from this past year, and begin formulating a plan for next year to increase the program usage and effectiveness.

Hidden Pointe Metro District- IGA

- I request that the CPNMD Board allow both myself and our legal counsel to begin discussions with the Hidden Pointe Metro District to include into CPNMD. Following the successful City Mill Levy, it would be advantageous for Hidden Pointe to include into CPNMD to avoid paying the 25% rate surcharge and eliminate their own metro district. For CPNMD the advantage is in the further reduction of local government and would help with any potential inclusion discussions.

Castle Pines Metro District IGA

- I request that the CPNMD Board allow both myself and our legal counsel to begin discussions with Castle Pines Metro District, to form an IGA regarding the design costs for a Splitter Structure near PCWRA. There are flow measurement issues that directly impact the accuracy of the fees that all PCWRA members are charged. This structure measures the flow and loading for CPNMD and CPMD. Both managers would like to share the cost of designing this needed upgrade. Design would be complete in 2024, construction 2025.

Annual Board Meeting Schedule

- Recommended meeting schedule is attached, looking for director input, or approval.

Credit Card Fees

- Just a reminder that along with approving the final budget next month, we will also be considering changing our policy regarding credit card fees that are incurred by our residents using bill-pay. This change is already affected in the current proposed budget, however, will not be final without the board taking action this December.

SSO Violation Update

- Unfortunately, CDPHE has notified us (verbally during a meeting) that we can expect a Civil Fine for the violation. There has not been any indication that this was going to be the case, so it certainly came as a surprise that it was casually brought up in one of our meetings. We do not have any idea what this fine will be in terms of dollar amount. There is an option to do a “mitigating” project in lieu of the fine. This could be a Storm Water related project, I’ve already contacted the City of Castle Pines to discuss potential projects that they need done in the area as a potential partner in this. I’ll pass along any updates that I get, as I get them.
- I have included copies of the SSO prevention and response plan, as well as the final version of the required CDPHE memo (still awaiting approval)
- The SSO final accepted SSO response plan will be augmented further this year. I am working with Level Engineering to augment the State Approved plan in two primary areas. First, we will be doing pro-active water quality testing both upstream and downstream of all our Lift Stations. Should another SSO occur this would provide the background data needed to compare against when we test after an event. Second, we will formalize and augment the public notification process beyond what the State required.
 1. As soon as possible, but no more than 24 hours. Signage is to be posted. (We will pre-determine and identify the location of the signs in the response plan, to include any down-stream areas that have potential public, residential, or community access. This will be specific to each station.
 2. As soon as possible but no more than 24 hours. We will notify down-stream property owners via phone or email. We will identify down-stream property owners for each lift station and contact them each directly in the event of an SSO event, this list is to be updated annually. (they will also have signage posted)
 3. As soon as possible, but within 48 hours of the resolution (spill has stopped) of the event a notice will be placed on our website identifying the location of the event, and mapping of the affected area.

District Manager Contract

- Please start considering my contract for next year. Ideally, I would like to see a performance evaluation including goals, and areas of strength, and needed improvement. To my knowledge there is no existing formal process in place for this.

Holdover: Budget Presentation Date

- Meeting Dates have been set, and confirmed for the following:
 - November 15th-Budget Study session
 - November 27th- Budget Public Hearing
 - December 13th- Adopt Budget
 - The December 20th and 25th dates have been vacated, as discussed at the October 11th meeting.

Upcoming Days Off (I will not be in the office)

- November 29th- December 1st
- This will be AT LEAST in January 2024, I’ll update as soon as it is scheduled. Holdover: I am also anticipating surgery within the next couple of months, though this has not yet been scheduled.

CASTLE PINES NORTH



METROPOLITAN DISTRICT

2024 CPNMD BOARD OF DIRECTORS MEETING SCHEDULE

7404 Yorkshire Drive, Castle Pines, CO 80108

Join us live at www.cpnmd.org/board-meetings

CPNMD Regular Board Meetings are generally held at 6:00pm on the fourth Monday of each month.

Board Study Sessions are held on the prior Wednesday at 5:30pm.

Board Study Sessions 5:30pm	Board Meetings 6:00pm
Wednesday, January 17th	Monday, January 22nd
Wednesday, February 21st	Monday, February 26th
Wednesday, March 20th	Monday, March 25th
Wednesday, April 17th	Monday, April 22nd
Wednesday, May 22nd	Tuesday, May 28th** Moved to accommodate Memorial Day
Wednesday, June 19th	Monday, June 24th
Wednesday, July 17th	Monday, July 22nd
Wednesday, August 21st	Monday, August 26th
Wednesday, September 18th	Monday, September 23rd
Wednesday, October 23rd Presentation of 2025 Draft Budget*	Monday, October 28th
Wednesday, November 20th	Monday, November 25th Public Hearing 2025 Budget***
	Wednesday, December 11th Adopt 2025 Budget***
*Tentative. Budget will be sent to board on or before the October 15th, 2024 mandatory deadline.	**Adjusted Date ***Tentative

6 November 2023

Technical Memorandum

To: Colorado Department of Public Health and Environment

From: Kennedy Jenks Consultants, Inc.

Subject: Castle Pines North Metropolitan District Service of Notice of Violation / Cease and Desist / Clean-Up Order, Number: DO-230808-1
K/J 2346066*00

Background

Kennedy Jenks Consultants (KJ) prepared this technical memorandum (TM) in coordination with Castle Pines North Metropolitan District (CPNMD/District) in response to the requirements of the Colorado Department of Public Health and Environment (CDPHE) Service of Notice of Violation / Cease and Desist / Clean-up Order (NOV/CDO/CUO) dated August 8, 2023, and addressed to CPNMD. The NOV/CDO/CUO was issued by CDPHE's Water Quality Control Division (Division). This TM addresses Paragraphs 26-28 in the NOV/CDO/CUO which require a full evaluation of CPNMD's Sewer System. Specifically, a service area, infrastructure, and operations and maintenance evaluation were required. This TM also includes measures to ensure that adequate conveyance is provided such that CPNMD complies with CDPHE and its implementing regulations to ensure that proper operation and maintenance of the Sewer System takes place.

Service Area Evaluation

Service Area

CPNMD currently serves approximately 12,000 residents and numerous commercial properties. The District is located west of I-25 and north of Hwy 85 in Douglas County, Colorado. Refer to the attached *Overall Sewer System Map* for more information.

Lift Stations

CPNMD owns and operates eight (8) wastewater lift stations within the district boundary. The lift stations are conventionally named 1-7 and 9. Lift Stations 1, 2, and 4-7 flow to Lift Station 3, which pumps to the Daniels Park Road Outfall. Lift Station 9 pumps to the Happy Canyon Outfall. Lift Station 8 was recently abandoned as its wastewater was diverted to Lift Station 9 using gravity flow with the build-out of the Lagae development.

Ongoing Lift Stations Upgrades Project

KJ is under contract with CPNMD to design improvements at Lift Stations 1-7 to bring them into compliance with current CDPHE regulations (*Lift Station Upgrades Project/Upgrades Project*). Lift Stations 1-7 will undergo the CDPHE Site Approval and Design Approval process as part of the *Upgrades Project* per the proposed implementation schedule in Table 4. The *Upgrades*

Technical Memorandum

Colorado Department of Public Health and Environment - KJ 2346066*00

6 November 2023

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Project will be divided into two scopes of work: Scope A includes the work at Lift Stations 1, 2, and 5, and Scope B includes the work at Lift Stations 3, 4, 6, and 7. KJ evaluated the existing pumping capacity at each lift station versus the current CDPHE-approved peak flow rates. KJ also determined the required pumping capacity for each lift station to be used during design of the *Upgrades Project*. Lift Station 9 is excluded from the *Upgrades Project* as it was constructed and received site approval from CDPHE in 2014. CPNMD operation staff report no issues with the station's operation.

KJ is not aware of any new planned developments in CPNMD's service area and has not identified any capacity issues using the calculated peak flows. As part of the *Upgrades Project*, KJ and CPNMD will work with CDPHE to bring all the lift stations into compliance so they meet current CDPHE standards.

The attached spreadsheet *Lift Station SFE Counts* summarizes the sanitary sewer system's average daily flows in each lift station basin. Table 1 summarizes the peak flows and pumping capacity for each lift station.

Table 1: Pump Capacity

Lift Station Basin	Peak Basin Inflow (GPM)	Contributing Basins	CDPHE Approved Peak Flow Rate (GPM)	Existing Pumping Capacity (GPM)	2023 Final Design Pumping Rate (GPM)
1	286	1 + 7	220	640	555
1R	604	1 + 2 + 7	N/A	N/A	875
2	331	2	550	330	330
3	1,003	1 - 7	1,492	2,200	2,520
3R	1,003	1 - 7	1,492	2,200	2,505
4	11	4	120	200	120
5	152	5	210	200	200
5R	727	1 + 2 + 5 + 7	N/A	N/A	995
6	294	6	N/A	150	310
7	246	7	268	268	310
9	897	9	1,200	950	900

Pumps will not be replaced with current project.

Pumping rate based on minimum velocity of 3.5 fps.

Design pumping rate will match existing.

Design pumping rate will match the rate approved by CDPHE in 1985.

Peak factor adjusted for combined gravity sewer basins.

The Lift Station 2 design pumping rate is based on reconfiguring the current piping layout so flows from Lift Station 1 and Lift Station 5 would tie into the Lift Station 2 force main downstream of Lift Station 2. Currently, Lift Station 5 empties into the Lift Station 2 wet well and Lift Station 1 ties into the force main downstream of Lift Station 2.

Technical Memorandum

Colorado Department of Public Health and Environment - KJ 2346066*00

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Lift Station 3 has three (3) pumps – two (2) are identical Gorman-Rupp side suction pumps and the third is a submersible pump. The two Gorman-Rupp pumps operate at the same time and the third pump is used as an emergency backup. The existing pumping capacity at Lift Station 3 has been evaluated using flow meter data and in coordination with Gorman-Rupp. Operations staff reports no issues with the lift station pumps keeping up with peak inflow.

Ongoing Lift Stations Upgrades Project: Re-Routing Flows Analysis

KJ is evaluating the possibility of re-routing flows from Lift Station 1 and Lift Station 2 using gravity to flow to Lift Station 5. This would require two (2) new gravity sewer lines (8"/10" diameter) and a new lift station at the current Lift Station 5 site, referred to as Lift Station 5R in Table 1. This would also require a new force main from Lift Station 5 that would tie into the existing 10-inch force main near Lift Station 2. Lift Station 1 and Lift Station 2 would be decommissioned as part of this effort.

KJ is also evaluating the possibility of re-routing flows from Basin 2 to Lift Station 1 and decommissioning Lift Station 2. This would require a new gravity sewer line from Lift Station 2 to Lift Station 1 (8" diameter). Lift Station 5 would be replaced due to age, and Lift Station 1 would be upgraded to handle additional flows from Basin 2, referred to as Lift Station 1R in Table 1. The existing force mains serving Lift Station 1 and Lift Station 5 would remain active. Both force mains would tie into the existing 10" force main near Lift Station 2.

It appears likely that re-routing flows and eliminating one or two lift stations is a possible solution, but final design decisions are pending. These scenarios would also impact the required pumping rate at Lift Station 3 (referred to as Lift Station 3R in Table 1) because of the new or upgraded lift stations at Basin 1 and/or Basin 5.

Gravity Sewer Outfall Lines

Over the past ten years, CPNMD has completed several capacity analyses for both gravity sewer outfalls that serve CPNMD. Both sewer outfalls flow to Plum Creek Water Reclamation Authority (PCWRA), which is the wastewater treatment plant for the area. No capacity issues were identified with either of the outfalls.

The attached *Daniels Park Outfall Capacity Analysis* summarizes the flows and capacity of the Forest Park / Daniels Park Outfall. Lift Station 3 pumps to the Forest Park Outfall, which flows southwest to the Daniels Park Outfall. A flume measures CPNMD flows as the outfall leaves the district boundary. The Daniels Park Outfall is a shared gravity sewer outfall between CPNMD and Castle Pines Metropolitan District (The Village).

The attached *Happy Canyon Outfall Capacity Analysis* summarizes the flows and capacity of the Happy Canyon Outfall. Lift Station 9 pumps to the Happy Canyon Outfall, and future development south of CPNMD will also connect to this outfall.

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Infrastructure Evaluation

Lift Stations

In 2022, a comprehensive evaluation of the CPNMD lift stations was conducted. As a result of this evaluation, a plan was prepared to address the deficiencies identified at each lift station and bring the lift stations into compliance with current CDPHE regulations. A full CDPHE engineering review will be required for improvements to each lift station. Table 2 summarizes the planned lift station improvements as part of the *Upgrades Project*.

Table 2: Lift Station Upgrades Project Scope of Work

Lift Station	Scope of Work
All Lift Stations*	SCADA and instrumentation upgrades, battery-powered flow meter on downstream end of force main, access/cleaning manhole(s) on force main, lining wet well, site security upgrades
1	Add vault overflow storage and flow meter at lift station.
1R (option)	Replace pump skid & control panel to accommodate additional flows from Basin 2. Existing wet well / dry well and building to remain. Add vault overflow storage and flow meter at lift station.
2	Add vault overflow storage, replace pumps with Gorman-Rupp package station (includes flow meter), replace manhole concrete collar, replace section of force main to high point air vac.
3	Install stand-alone pump system on dedicated power source, install a full station backup generator outside of building, improve wet well access, HVAC improvements, stair repair, re-paint dry pit walls, improvements to ozone injection locations, new catwalk to access pump disconnect switches.
4	Evaluate need for vault overflow storage, replace wet well metal access lid, replace pumps with Gorman-Rupp package station (includes flow meter).
5	Add vault overflow storage, replace pumps with Gorman-Rupp package station (includes flow meter).
5R (option)	Construct new lift station, complete with structural, architectural, electrical, I&C, and HVAC design. Includes G-R pump skid and pump control panel, flow meter, and overflow pond.
6	Add vault overflow storage, replace pumps with Gorman-Rupp package station (includes flow meter).
7	Add vault overflow storage and flow meter at lift station.

*Lift Station 9 not part of this project.

KJ verified that all the force mains are sized appropriately for peak flows. The force main pipes are all C900 PVC pressure pipe, except for a section of 10-inch force main between Lift Station 2 and Lift Station 3. That section of force main will be replaced as part of the *Upgrades Project* to address recent breaks in the pipe. No other issues were identified with the force mains.

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The existing overflow detention capacities of lift stations 1-7 do not meet criteria for the desired response time during an overflow event, which is based on one (1) hour of peak flow. CPNMD plans to construct below-grade precast concrete overflow vaults to increase overflow storage capacity at each lift station (excluding Lift Station 3, see explanation below).

Lift Station 3 Redundancy

It was determined that the required overflow storage volume cannot be achieved at Lift Station 3 due to the large volume needed, steep topography, adjacent storm drainage facilities, natural drainage for Happy Canyon Creek, and limited land at the lift station site. CPNMD will request a variance from CDPHE to allow for other forms of redundancy at the lift station in lieu of overflow storage.

Existing forms of redundancy at Lift Station 3 include:

- A submersible pump as backup in case the dry well floods.
- Redundant instrumentation, controls, and alarms.

Improvements that will be constructed with the *Upgrades Project* include:

- A backup generator located outside the building, capable of running all pumps and equipment.
- A stand-alone pump system on a dedicated power source. The stand-alone pump system will be installed in a separate enclosure outside the existing building, with a separate overflow “wet well” and diesel generator to run the motors.
- Modifications to the existing lift station building to allow for outside access to the wet well, giving crews better access in an emergency.

Lift Station 3 Drainage Improvements

Lift Station 3 is currently under construction to address known site drainage issues. The threshold of the lift station door is being raised eight inches (8”), and drainage around the building is being redirected to appropriate storm drainage facilities. A to Z Contractors is completing the door and drainage work. The materials have been ordered, and installation is pending delivery. In addition, the submersible backup pump and motor was recently replaced to provide more reliable service in case of an emergency.

Gravity Sewer Collection System

All manholes in CPNMD are pre-cast concrete and generally in good condition. Condition of the manholes is verified through regular inspection as part of CPNMD’s jetting and inspection program detailed below in this TM. The manholes on the Forest Park Outfall were lined using polyurethane in 2021 to repair existing structural damage and prevent future corrosion.

All gravity collection lines in CPNMD are 8-inch PVC and in generally good condition. The pipes are cleaned and inspected on a regular basis as detailed below. KJ is not aware of any structural issues or capacity deficiencies within the collection system.

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Operations and Maintenance Evaluation

KJ evaluated the District's Operations and Maintenance (O&M) plan, and there were no deficiencies identified. Inspection and maintenance items for lift stations and the gravity sewer system are outlined below.

Lift Stations

The lift stations undergo regularly scheduled inspections and maintenance as detailed in Table 3 below.

Table 3: Lift Stations Inspection Schedule

Frequency	Inspection Tasks
Twice per week (minimum)	<ul style="list-style-type: none"> Physically inspect all lift stations including: belt tension, ARV operation, leaks, pump runtimes, rotating assembly oil levels where applicable, site conditions and security, ambient air temperature (ensure heat is working) Record conditions
Weekly	<ul style="list-style-type: none"> Generator / backup engine run test Inspect Ozone Generators at LS3 and LS9
Monthly	<ul style="list-style-type: none"> Clean building Clean/maintain priming system at LS5 Record suction and discharge pressures
Quarterly	<ul style="list-style-type: none"> Inspect wet-well for grease and clean as necessary Inspect and clean check valves Generator inspection and maintenance Test alarms
Annually	<ul style="list-style-type: none"> Generator Load-Bank Testing Disassemble and inspect pumps, volutes, casings, impellers, wear plates

Gravity Sewer System

The O&M plan includes inspections and maintenance for all gravity sewer lines on a rotating 3-year schedule. The lines are jet-cleaned and inspected using CCTV technology. The attached *Sanitary Sewer Cleaning Schedule Map* shows the cleaning and inspection schedule.

QP Services, a division of Iron Woman Construction, will complete a district-wide manhole assessment in 2024. This is part of a continued effort to supplement CPNMD's regularly scheduled maintenance program.

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Schedule for Implementation

The schedule for implementing the lift station improvements is detailed below. Dates are subject to change due to material availability and timing of agency reviews.

Table 4: Schedule

Task	Estimated Completion
O&M Procedures	Ongoing
Lift Station 3 Drainage Work	April 2024
District Wide Manhole Inspection	December 2024
Lift Station Improvements Project Scope A- Lift Stations 1, 2, and 5	<ul style="list-style-type: none"> • 30% Design – Completed • 60% Design – March 2024 • 90% Design – June 2024
Review by Agencies Complete for CDPHE Site Location Application*	July 2024
CDPHE Review Complete Scope A*	March 2025
Construction Complete Scope A* (2 years)	March 2027
Lift Station Improvements Project Scope B- Lift Stations 3, 4, 6, and 7	<ul style="list-style-type: none"> • 30% Design – Completed • 60% Design – July 2024 • 90% Design – October 2024
Review by Agencies Complete for CDPHE Site Location Application*	November 2024
CDPHE Review Complete Scope B*	July 2025
Construction Complete Scope B* (2 years)	July 2027

*CDPHE approval based on a review time of 1 month for agencies listed on the Site Location App and 8 months for CDPHE review.

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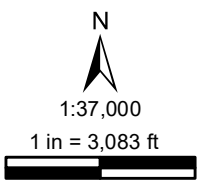
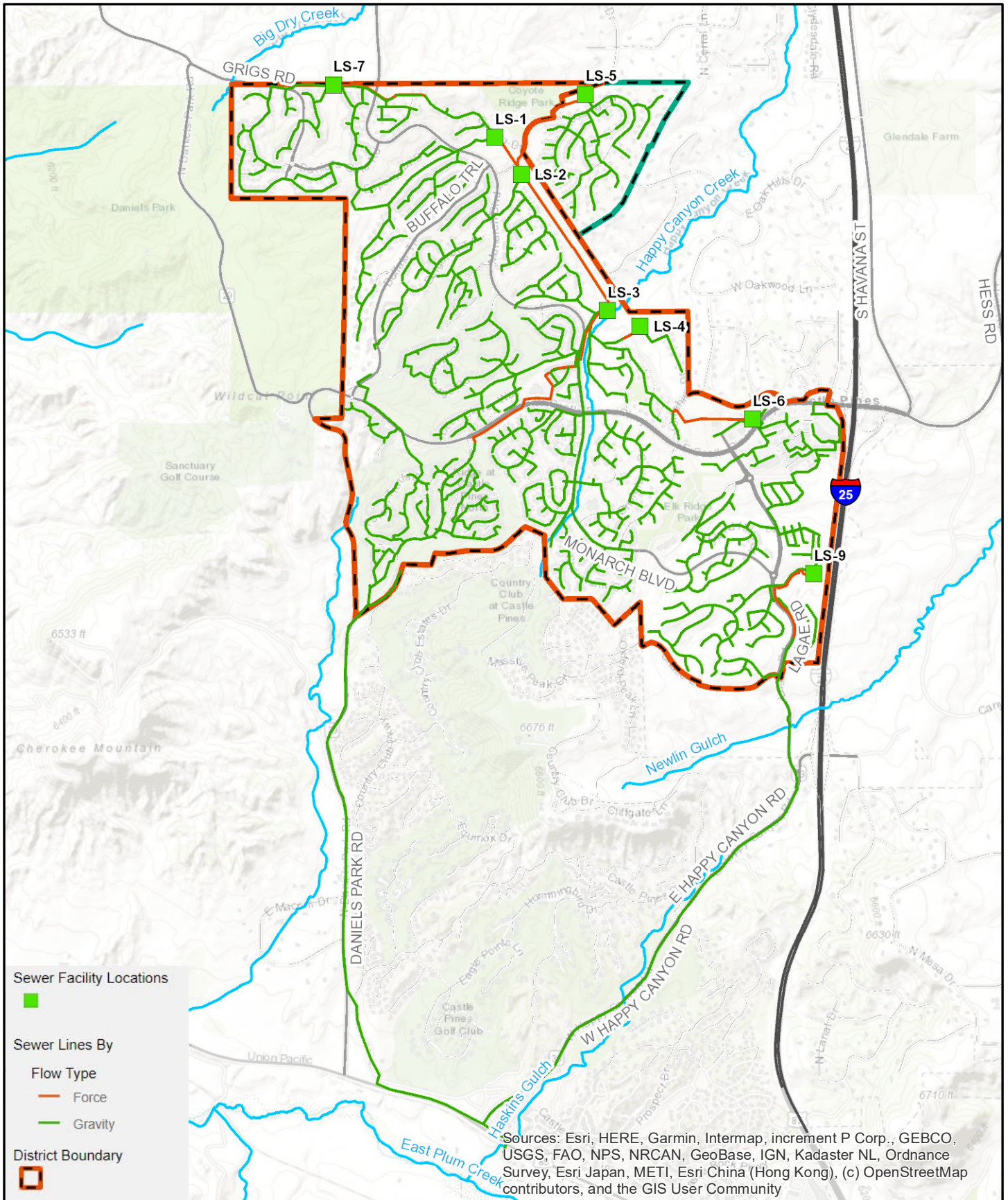
Engineer's Opinion of Probable Construction Cost

Based on information from the 30% design, we estimate a total construction cost of \$10 million. The detailed cost spreadsheets are attached for reference.

Attachments

- 1 - Overall Sewer System Map
- 2 - Lift Station SFE Counts
- 3 - Daniels Park Outfall Capacity Analysis
- 4 - Happy Canyon Outfall Capacity Analysis
- 5 - Sanitary Sewer Cleaning Schedule Map
- 6 - Engineer's Opinion of Probable Construction Cost (30% Design)

Attachment 1
Overall Sewer System Map



10/11/2023

Castle Pines North Metropolitan District

Sanitary Sewer System Overall Map

Attachment 2
Lift Station SFE Counts

Peak Flows per Basin					
Lift Station Basin	Average Flow (MGD)	Inflow and Infiltration (I/I)	Peak Factor (PF) (Max of 5)	Peak Flow (Q) (MGD)	Peak Flow (Q) (GPM)
1	0.081	0.008	5.000	0.412	286
1R	0.174	0.017	4.895	0.870	604
2	0.093	0.009	5.000	0.476	331
3	0.320	0.032	4.421	1.445	1,003
4	0.003	0.000	5.000	0.015	11
5	0.043	0.004	5.000	0.219	152
5R	0.217	0.022	4.717	1.046	727
6	0.083	0.008	5.000	0.423	294
7	0.070	0.007	5.000	0.355	246
9	0.279	0.028	4.522	1.292	897

Notes:

1. Peak factor for 1R was calculated by totalling the average basin inflows from basins 1 and 2
2. Peak factor for 5R was calculated by totalling the average basin inflows from basins 1, 2, and 5

SFE Counts and Average Flows per Basin								
Lift Station Basin	Subdivision Name/Address	Number of Units/Acres/Square Footage	Units/Acres/Square Footage	SFEs/Unit	Number of SFEs	ADF/Unit (GPD/Unit)	Q Avg. (GPD)	Q Avg. (MGD)
1	Romar West	76.00	SFR	1.0000	76.00	200.00	15,200.00	0.015
	Castle Pines North	328.00	SFR	1.0000	328.00	200.00	65,600.00	0.066
2	Castle Pines North	467.00	SFR	1.0000	467.00	200.00	93,400.00	0.093
3	Castle Pines North	1,328.00	SFR	1.0000	1,328.00	200.00	265,600.00	0.266
	CPN HOA	1,327.00	SF	0.0005	0.66	200.00	132.70	0.000
	Townhomes	127.00	Units	0.7500	95.25	200.00	19,050.00	0.019
	CPN Office	6,600.00	SF	0.0005	3.30	200.00	660.00	0.001
	Duplexes	20.00	Units	0.7500	15.00	200.00	3,000.00	0.003
	CPN HOA	1,344.00	SF	0.0005	0.67	200.00	134.40	0.000
	WTP	1.49	Acres	3.0000	4.47	200.00	893.40	0.001
	Legacy Village	177.00	Units	0.7500	132.75	200.00	26,550.00	0.027
	Timber Trail Elem	1.00	School	17.5052	17.51	200.00	3,501.04	0.004
	Timber Trail Elem	1.00	School	8.7526	8.75	200.00	1,750.52	0.002
4	Castle Pines North	15.00	SFR	1.0000	15.00	200.00	3,000.00	0.003
5	Green Valley	215.00	SFR	1.0000	215.00	200.00	43,000.00	0.043
6	High Pointe Acdm	1.00	School	3.0009	3.00	200.00	600.18	0.001
	Montessori	1.00	School	13.7541	13.75	200.00	2,750.81	0.003
	7288	5,827.00	SF	0.0005	2.91	200.00	582.70	0.001
	7284	23,066.00	SF	0.0005	11.53	200.00	2,306.60	0.002
	360	16,592.00	SF	0.0005	8.30	200.00	1,659.20	0.002
	7437	15,812.00	SF	0.0005	7.91	200.00	1,581.20	0.002
	7520	6,830.00	SF	0.0005	3.42	200.00	683.00	0.001
	7530	3,816.00	SF	0.0005	1.91	200.00	381.60	0.000
	7505	18,970.00	SF	0.0005	9.49	200.00	1,897.00	0.002
	7501	11,769.00	SF	0.0005	5.88	200.00	1,176.90	0.001
	250	5,888.00	SF	0.0005	2.94	200.00	588.80	0.001
	7370	14,729.00	SF	0.0005	7.36	200.00	1,472.90	0.001
	7298	5,168.00	SF	0.0075	38.76	200.00	7,752.00	0.008
	361	13,650.00	SF	0.0075	102.38	200.00	20,475.00	0.020
	363	25,476.00	SF	0.0075	191.07	200.00	38,214.00	0.038
	7296	0.80	Acres	3.0000	2.40	200.00	480.00	0.000
	Lot 10	0.60	Acres	3.0000	1.79	200.00	357.00	0.000
7	Romar West	348.00	SFR	1.0000	348.00	200.00	69,600.00	0.070
9	Lagae North + PA-6 SFR	374.00	SFR	1.0000	374.00	200.00	74,800.00	0.075
	CPTC SFR	259.00	SFR	1.0000	259.00	200.00	51,800.00	0.052
	Lagae PA-7 MF	190.00	units	0.7500	142.50	200.00	28,500.00	0.029
	Basin 8 MF	356.00	units	0.7500	267.00	200.00	53,400.00	0.053
	Lagae Commercial	5.79	Acres	3.0000	17.37	200.00	3,474.00	0.003
	Basin 8 Commercial	18.10	Acres	3.0000	54.30	200.00	10,860.00	0.011
	American Academy School	1.00	School	30.0089	30.01	200.00	6,001.78	0.006
	CPTC Elementary School	1.00	School	15.0044	15.00	200.00	3,000.89	0.003
	PA-12 SFR	230.00	SFR	1.0000	230.00	200.00	46,000.00	0.046
	Park Restrooms	4.00	park	2.0000	8.00	200.00	1,600.00	0.002

Sanitary Sewer System – Average Daily Flow (ADF)

Land Use	Typical ADF/Unit	Typical SFEs/Unit
Single Family Residential and Duplexes	200 gpd/dwelling unit	1.00/dwelling unit
Multi-Family Residential (Townhomes and Condos)	150 gpd/dwelling unit	0.75/dwelling unit
Retail/Offices	0.1 gpd/SF	0.0005/SF
Hotels/Motels	75 gpd/room	0.375/room
Restaurants	1.5 gpd/SF	0.0075/SF
Car Washes	5,000 gpd/acre	25.0/acre
Industrial/Other Commercial	600 gpd/acre	3.0/acre
Churches (with day care or preschool)	600 gpd/church	3.0/church
Irrigated Land	0 gpd/acre	0.0/acre
Rates for Typical Douglas County School Sizes:		
Elementary (10 ac, 675 students)	3,375 gpd/school	16.88/school
Middle (25 ac, 850 students)	8,500 gpd/school	42.50/school
High (50 ac, 1700 students)	17,000 gpd/school	85.00/school

Peak sanitary sewer flows shall be calculated as follows:

Equation 3.1: $Q_{avg} = ADF \times SFEs$

Equation 3.2: $Q_{peak} = (Q_{avg} \times PF) + I/I$

Equation 3.3: $PF = 3.65 / (Q_{avg})^{0.168}$ Maximum PF = 5.0
 Q_{avg} in MGD

Equation 3.4: $I/I = 10\%$ of Q_{avg}

Attachment 3

Daniels Park Outfall Capacity Analysis

No. 0025
 P:\CAD\Viewer\Project_3000's Drawings\4052.dwg\Exhibit - SS Outfall to LS 3.dwg, 06/02/2010 at 15:14, LUS



NOTE: SANITARY SEWER LINES ARE NOT TO SCALE
 THEY ARE SHOWN FOR REFERENCE ONLY.

CASTLE PINES NORTH METROPOLITAN DISTRICT		Kennedy/Jenks Consultants		303.985.3838 FAX 303.985.3800 FAX	
EXHIBIT - SANITARY SEWER OUTFALL FROM CPN FLUME TO PCWA		1411 Main Boulevard, Suite 000 Lakewood, CO 80226		303.985.3838 FAX 303.985.3800 FAX	
SANITARY SEWER CAPACITY ANALYSIS				App	
Design	Drawn	Checked	Date	Job No.	D-
LUS	LUS	LUS	5/10	4052	
SHEET		1		OF 1 SHEETS	
				Description	
				Rev	
				Date	
				App	

Attachment 4

Happy Canyon Outfall Capacity Analysis

June 3, 2020

Memorandum

To: David McEntire, President
Castle Pines North Metropolitan District (CPN)

From: Greg S. Sekera, P.E.

Subject: Happy Canyon Outfall – Available Pipe Capacity
Castle Pines North Metropolitan District
KJ Job No. 2046002*00

The purpose of this Memorandum is to summarize the projected wastewater flows and the available capacity in the District's Happy Canyon Sanitary Sewer Outfall.

FACILITY DESCRIPTION

The Happy Canyon Outfall extends from the end of the 8-inch Force Main for the Lagae Lift Station No. 9 to the Plum Creek Wastewater Treatment Plant. The attached map shows the location of the of the Outfall and the Lagae Lift Station and Force Main. The Outfall consists of approximately 15,600 feet of 15 and 18-inch PVC gravity pipe. The Force Main from the Lagae Lift Station consists of approximately 2,600 feet of 8-inch PVC pressure pipe. The Outfall, Lift Station No. 9, and the Force Main were constructed in 2016 and 2017 by the Lagae Ranch Development Partners for the purpose of wastewater service to Lagae Ranch and the Lagae planning areas. The Happy Canyon Outfall generally serves CPN's (in-District) Lagae developments, the District's Basin 8, and the Town Center Filings 1 and 2. Ownership of the Outfall has been conveyed to CPN and they are responsible for maintenance and control of connections to the Outfall.

PROJECTED WASTEWATER FLOWS

CPN In-District Projected Wastewater Flows

CPN In-District projected flows consist of the combined flows from Lagae Lift Station #9 and the flows from development connected to the Outfall below the Lift Station from the Town Center and the future PA-12 parcel. The attached Lagae Development Map shows the developments served by the Lift Station and Outfall.

Lagae Lift Station #9 Flows

The ultimate (maximum) projected peak pump rate for the flow from the Lift Station to the Outfall is 1.3 MGD (900 gpm). This is the projected peak flow for the District's service area tributary to the Lift Station which includes all of the Lagae developments, the District's Basin 8, and the portions of Town Center Filings 1 and 2. The projected units and flows for each of these areas is indicated on the attached Lagae Lift Station Wastewater Flows spreadsheet.

Memorandum

Happy Canyon Outfall Capacity

June 3, 2020

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Flows by Gravity Below the Lift Station

The ultimate projected flow from CPN In-District developments that gravity flow to the Outfall consist of a portion of the Town Center and the south portion of PA-12. The In-District projected peak flows that connect to the Outfall by gravity are 0.2 MGD (140 gpm).

Therefore, the total projected average day flow for CPN In-District is 0.43 MGD, and the projected peak flow is 1.5 MGD (1,040 gpm).

Out-of-District Projected Flows

The likely out-of-District development that could connect to the Outfall is the Castle Pines Town Center Metropolitan District No. 1, a.k.a. the "Vickers" Property. The proposed Development is generally located south of Lagae Avenue and the Town Center Filings 1 and 2 and north of Happy Canyon Road. Per the Memorandum from Brett Schlanger, P.E., with David Evans and Associates, dated May 14, 2020, the projected single-family equivalents (SFEs) for the Development is not to exceed 1,000. The David Evans memorandum projects an average day flow of 300 gallons per day (gpd) per SFE. Applying the 300 gpd/SFE criteria, they are projecting an average day flow of 300,000 gpd for the Development. Applying CPNs criteria for inflow and infiltration and peaking factor, the projected peak flow for the Development is 1.37 MGD (930 gpm). Note: CPN's criteria for average day flow per SFE is 200 gpd.

OUTFALL CAPACITY

Based on the projected peak wastewater flows for the In-District and Out-of-District developments and the pipe characteristics of the Outfall, the available capacity of each major segment of the Outfall has been determined. The Outfall is evaluated in four (4) segments. The limits of the segments are based on location and pipe size. Refer to the attached map for the limits of the segments.

Segment 1 – This is the top segment located in Lagae Road that extends from the end of the Force Main from the Lagae Lift Station to Happy Canyon Road. This segment is 15-inch pipe and the minimum pipe slope in the segment is 0.50%.

Segment 2 – This segment is the upper portion of Happy Canyon Road. This segment is 15-inch pipe and the minimum pipe slope in the segment is 0.50%.

Segment 3 – This segment is the lower portion of Happy Canyon Road that extends down to Highway 85. This segment is 18-inch pipe and the minimum pipe slope in the segment is 1.0%.

Segment 4 – This segment is in the Highway 85 right-of-way and extends from of Happy Canyon Road to the Plum Creek Wastewater Treatment Plant. This segment is 18-inch pipe and the minimum pipe slope in the segment is 0.20%.

Using the In-District projected peak flow for segment 1 and the combined projected peak flows for the in and out of district flows for segments 2 thru 4, the utilized capacity and the available capacity for each segment was determined. See attached "Available Capacity Calculation" spreadsheet. The

Memorandum

Happy Canyon Outfall Capacity

June 3, 2020

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results of the pipe capacity analysis show that pipe segments 1 thru 3 have excess capacity for the projected flows. However, using the criteria of 300 gpd/SFE for the out-of-district flow, the projected flows exceed the capacity of segment 4. Using CPN's criteria of 200 gpd/SFE for the out-of-district flow, segment 4 has the capacity for service of the in and out of district projected flows.

CONCLUSION

The Happy Canyon Sanitary Sewer Outfall has available capacity to serve the projected 1,000 single-family equivalents (SFEs) for the out-of-district Castle Pines Town Center Metropolitan District No. 1 (Vickers Property). This conclusion is based on using the CPN's criteria of 200 gpd/SFE which we know is closer to actual unit flows for CPN and the other connectors to the Plum Creek WWTP.

If CPN were to consider additional out of district connections that would exceed the 1,000 SFEs projected for the Vickers property we would need to re-evaluate the capacity of the Outfall. The most likely result would be that the lower section 4 in the Highway 85 right-of-way would need to be upsized to increase its capacity.

**AVAILABLE CAPACITY CALCULATION - Happy Canyon Outfall
Castle Pines North Metro District**

Pipe Capacities Using 300 gpd/SFE for Out of District Flow

Pipe Segment	Castle Pines North Ultimate PEAK Flow		Out of District PEAK Flow (MGD)	Cumulative Design Flow (MGD)	Min. Pipe Slope in Segment (%)	Pipe Size (inches)	Full Pipe Capacity (MGD)	Pipe Cap. @ 80% (MGD)	Utilized Capacity (%)	Available Capacity (based on PEAK Flow)	
	(gpm)	(MGD)								(MGD)	(MGD)
1 - Lagae Road (MH-66 to MH-49)	1,040	1.50		1.50	0.50%	15	2.98	2.38	62.8%	0.89	868
2 - Upper Happy Canyon Road (MH-49 to MH-29)	1,040	1.50	1.37	2.87	1.00%	15	4.21	3.37	85.1%	0.50	493
3 - Lower Happy Canyon Road (MH-29 to MH-5)	1,040	1.50	1.37	2.87	1.00%	18	7.27	5.82	49.3%	2.95	2,894
4 - US Hwy 85 (MH-5 to MH-1)	1,040	1.50	1.37	2.87	0.20%	18	3.25	2.60	110.1%	-0.26	-259

Pipe Capacities Using 200 gpd/SFE for Out of District Flow

Pipe Segment	Castle Pines North Ultimate PEAK Flow		Out of District PEAK Flow (MGD)	Cumulative Design Flow (MGD)	Min. Pipe Slope in Segment (%)	Pipe Size (inches)	Full Pipe Capacity (MGD)	Pipe Cap. @ 80% (MGD)	Utilized Capacity (%)	Available Capacity (based on PEAK Flow)	
	(gpm)	(MGD)								(MGD)	(MGD)
1 - Lagae Road (MH-66 to MH-49)	1,040	1.50		1.50	0.50%	15	2.98	2.38	62.8%	0.89	868
2 - Upper Happy Canyon Road (MH-49 to MH-29)	1,040	1.50	0.98	2.47	1.00%	15	4.21	3.37	73.4%	0.90	880
3 - Lower Happy Canyon Road (MH-29 to MH-5)	1,040	1.50	0.98	2.47	1.00%	18	7.27	5.82	42.5%	3.35	3,280
4 - US Hwy 85 (MH-5 to MH-1)	1,040	1.50	0.98	2.47	0.20%	18	3.25	2.60	95.0%	0.13	127

Notes:

- Manning's "n" =

0.011

- Full Pipe Capacity based on d/D of 1.0
- Pipe Capacity Used for Sizing based on 80% of Full Capacity
- Available Capacity in SFEs is based on 1 SFE = 200 gpd x P.F. of 5.0 + 10% of ADF for I/I = $(200*5.0+(200*0.10)) = 1,020$ gpd.

LAGAE LIFT STATION - WASTEWATER FLO
Lagae Ranch Development / CPTC north area / Basin 8

Planning Information 2018 and 2019								
Land Use	No. of Units or Acres	SFEs per Unit or Acre	Number of SFEs	Avg WW Flow per SFE (gpd/SFE)	Avg WW Flow (gpd)	Peaking Factor	Peak WW Flow (gpd)	Peak WW Flow (gpm)
Lagae North + PA-6 Single-Family Residential	374 Units	1.00	374.0	200	74,800	5.00	374,000	260
CPTC Single-Family Residential (to LS)	259 Units	1.00	259.0	200	51,800	5.00	259,000	180
Lagae Multi-Family Residential (PA-7)	190 Units	0.75	142.5	200	28,500	5.00	142,500	99
Basin 8 Multi-Family Residential	356 Units	0.75	267.0	200	53,400	5.00	267,000	185
Churches								
Lagae Ranch Commercial	5.79 Acres	3.00	17.4	200	3,474	5.00	17,370	12
Basin 8 Commercial	18.1 Acres	3.00	54.3	200	10,860	5.00	54,300	38
American Academy School	1200 Students		30.0	200	6,000	5.00	30,000	21
Lagae Preschool								
CPTC Elementary School	600 Students		15.0	200	3,000	5.00	15,000	10
PA-12 Single-Family Residential (north 1/2 to L.S.)	125 Units	1.00	125.0	200	25,000	5.00	125,000	87
Park Restrooms	4 Units	2.00	8.0	200	1,600	5.00	8,000	6
Subtotal					258,434		1,292,170	897
Inflow & Infiltration (10%)					25,843		25,843	18
Total			1,292		284,277		1,318,013	915
							Use	900

2018 Notes:

- No. of units and acres are based on the Lagae North Planned Development 2008, updates provided by Rick Engineering 11-27-18.
- One (1) single-family equivalent (SFE) is equal to one (1) single family unit.
- One (1) multi-family unit is equal to 0.75 SFEs.
- SFEs for Commercial = 3 SFEs per acre.
- Average WW flow for Elem Schools w/ 675 students = 3,375 gpd/school (5 gpd/student or 16.88 SFEs per school - TCR standards)
- SFEs for park restrooms = 2 SFEs per unit. 39.9 acres - assumed 4 restrooms.
- Average wastewater flow ADF = 200 gpd/SFE
- Peak Factor PF = 3.65 x (ADF in mgd)^{-0.168}
- Inflow & Infiltration (I/I) = Qavg x 10%

2019 Notes:

- PA-12 Single-Family Plan, dated 7/9/19, proposes 250 units. Assume north 1/2 of property flows to L.S. #9.

CDPHE approved an ultimate pumping capacity of 1,200 gpm and a 10" force main in August 2014. The Basis of Design Report from MSK Consulting was dated April 2014. In May 2015, MSK revised the flow numbers so the CPTC south area wasn't included. An ultimate pumping capacity of 900 gpm was used to size the pumps and the force main (8") just prior to the start of construction.

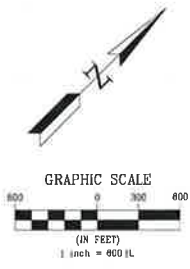
HAPPY CANYON OUTFALL - WASTEWATER FLOWS
Ultimate Flow to Outfall

CPN In-District Connections	No. of Units or Acres	SFEs per Unit or Acre	Number of SFEs	Avg WW Flow per SFE (gpd/SFE)	Avg WW Flow (MGD)	Peaking Factor	Peak WW Flow (MGD)	Peak WW Flow (gpm)
Lagae Lift Station #9 FM Connection							1.296	900
CP Town Center Filing 2 Single-Family	36 Units	1.00	36.0	200	0.007	5.0	0.036	25
CP Town Center PA-12 (east of Lagae Rd.)	125 Units	1.00	125.0	200	0.025	5.0	0.125	87
CP Town Center Elementary School	600 Students		36.0	200	0.007	5.0	0.036	25
Subtotal					0.039		1.493	1,037
Inflow & Infiltration (10%)					0.004		0.004	3
Total CPN In-District			197		0.043		1.497	1,040
Out of District Connections								
Lagae South (Vickers Property)	1000 Units	1.00	1000.0	300	0.300	4.5	1.339	930
Inflow & Infiltration (10%)					0.030		0.030	0
Total Out of District (at 300 gpd/SFE)			233		0.330		1.369	930

Lagae South (Vickers Property)	1000 Units	1.00	1000.0	200	0.200	4.8	0.955	663
Inflow & Infiltration (10%)					0.020		0	0
Total Out of District (at 200 gpd/SFE)			1,233		0.220		0.975	663

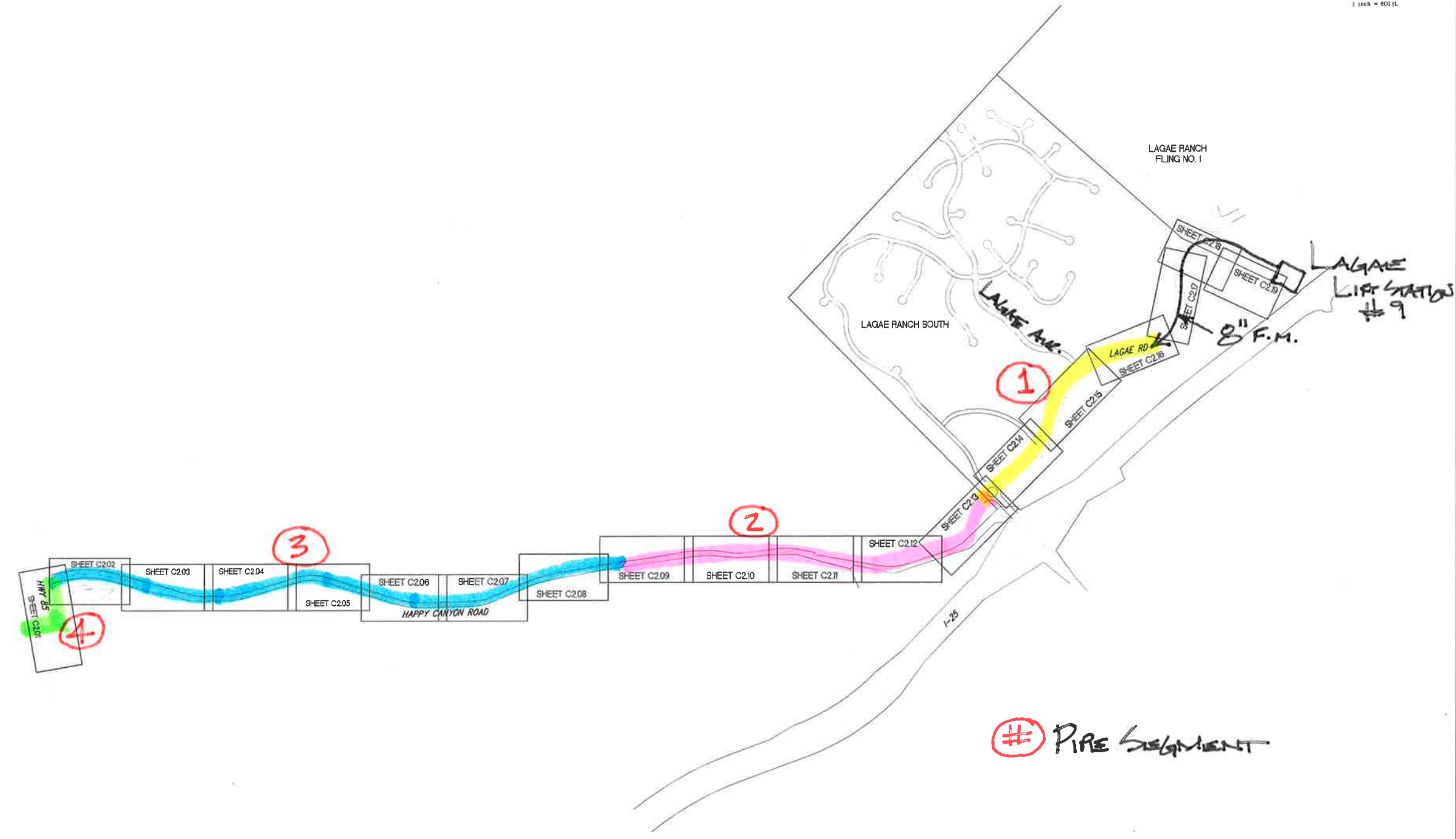
Notes:

- No. of units and acres are based on the Lagae North Planned Development 2008, updates provided by Rick Engineering 11-27-18.
- One (1) single-family equivalent (SFE) is equal to one (1) single family unit.
- One (1) multi-family unit is equal to 0.75 SFEs.
- SFEs for Commercial = 3 SFEs per acre.
- Average WW flow for Elem Schools w/ 675 students = 3,375 gpd/school (5 gpd/student or 16.88 SFEs per school - TCR standards)
- Average wastewater flow ADF = 200 gpd/SFE
- Peak Factor PF = $3.65 \times (\text{ADF in mgd})^{-0.168}$
- Inflow & Infiltration (I/I) = $Q_{avg} \times 10\%$



LUND
PARTNERSHIP
12285 W. Bayaud Avenue, Suite 130
Lakewood, Colorado 80228
P 303 989 1461 F 303 989 4094
CIVIL ENGINEERING & SURVEYING

No.	Revision	Date	By



LAGAE RANCH - SANITARY SEWER OUTFALL
 HAPPY CANYON ROAD
 KEY PLAN
 PREPARED FOR: HF HOLDINGS, LLC
 ADDRESS: 4 INVERNESS COURT EAST #300, ENGLEWOOD, CO 80112

CALL UTILITY NOTIFICATION
CENTER OF COLORADO
811
CALL 3 BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES

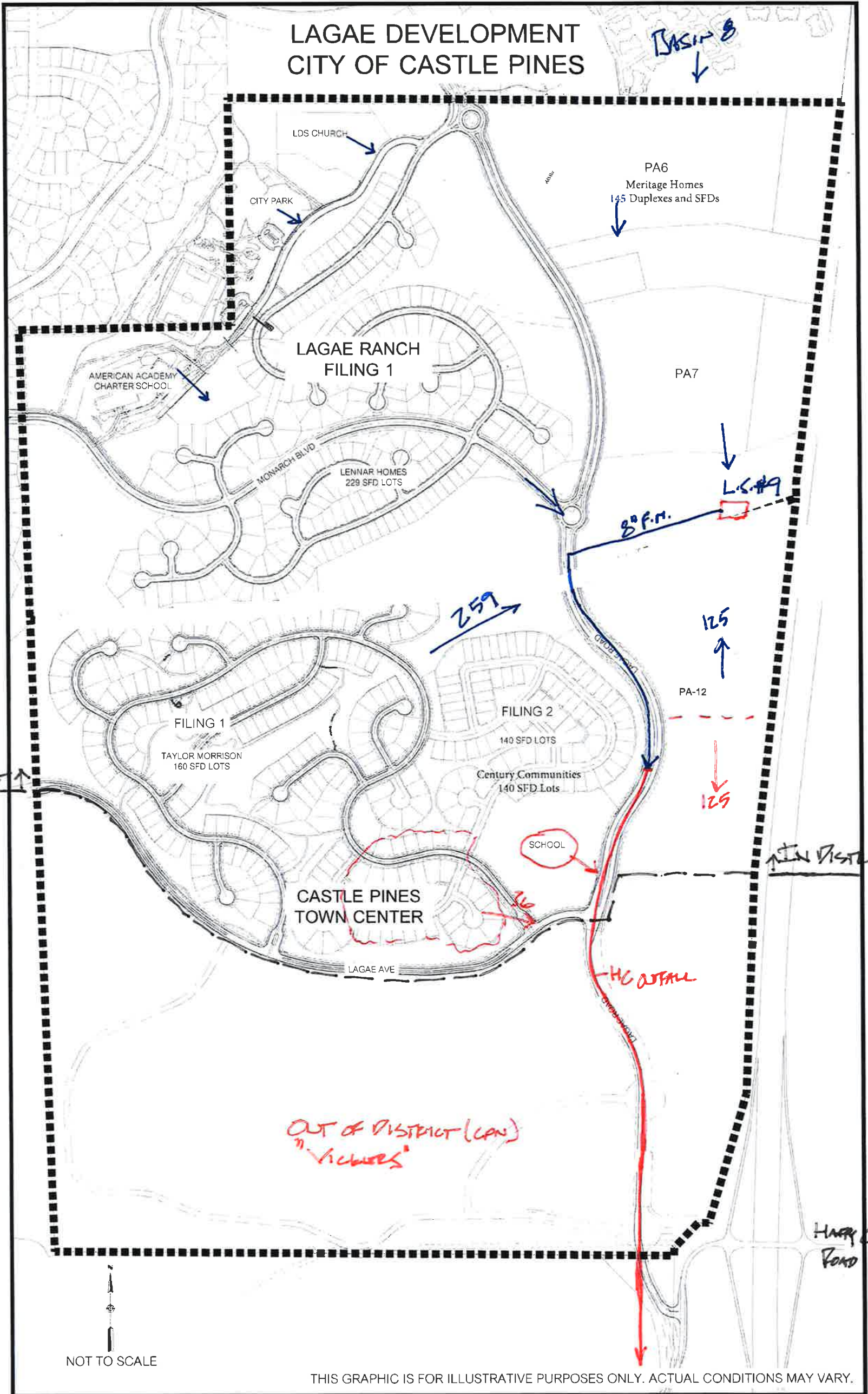


RECORD DRAWING
10/05/17
LUND PARTNERSHIP, INC.
This record drawing was prepared from construction information provided by Respine Pipeline LLC, dated 09/28/17. The information has not been verified in any manner by the Lund Partnership, Inc.

DATE: OCTOBER 2, 2015
JOB NUMBER: 525-0101
SCALE: 1"=600'

SHEET
C1.02

LAGAE DEVELOPMENT CITY OF CASTLE PINES



NOT TO SCALE

THIS GRAPHIC IS FOR ILLUSTRATIVE PURPOSES ONLY. ACTUAL CONDITIONS MAY VARY.



DAVID EVANS
AND ASSOCIATES INC.

From: David Evans and Associates, Inc.
Brett Schlanger, PE

Date: May 14, 2020

To: Jack Vickers, President
Castle Pines Town Center Metropolitan District No. 1

Subject: Basis of 300,000 gpd "Maximum Flow Capacity" in Intergovernmental Agreement

Dear Jack:

David Evans and Associates, Inc. is responding to the question you received from the Castle Pines North Metropolitan District ("CPNMD") regarding the proposed land uses which comprise the 300,000 gpd "Maximum Flow Capacity" that the Castle Pines Town Center Metropolitan District No. 1 ("Town Center District 1") is seeking to acquire in the Happy Canyon Outfall Line pursuant to the proposed "Intergovernmental Agreement for Happy Canyon Outfall Line Capacity" (the "IGA").

Generally, the 300,000 gallons of average daily wastewater flow is based on the anticipated build-out within the Castle Pines Town Center Metropolitan Districts 1, 2 and 3 (the "Town Center Districts"), which are to be served by Town Center District 1. The proposed development at build-out within the Town Center Districts is currently planned to include approximately 1000 single-family residential home equivalents ("SFE's"). I have attached hereto a copy of the approved Castle Pines Town Center Planned Development master plan, and have highlighted thereon, in yellow, Planning Areas ("PA") 4, 5, 6, 7, 8, 9, and 10, which are to be served by Town Center District 1. PA-4, PA-5, and PA-6 are currently zoned for 155 residential dwelling units ("DU's"). PA-7 is currently zoned for 200 multi-family DU's, and PA-8, PA-9, and PA-10 are currently zoned for approximately 500,000 square feet of "mixed-use" commercial, office and residential. While, some of the above land uses may shift within the project as development occurs, such as the Wellness Center Resort which is currently contemplated in PA-5, the aggregate uses within the project are not expected to exceed the 1000 SFE's. No industrial uses are approved, or contemplated, for the site.

We are not able to identify a precise average daily wastewater flow to be generated by each individual Planning Area at this stage of the development because the specific land uses, and actual densities associated within each parcel, have not yet been determined. By example, it would be hard to currently determine how many hotel rooms or how many square feet of traditional retail will be developed within each of the "mixed-use" zoned parcels. Those decisions, alone, have a bearing on the total number of SFE's that will ultimately be used. Hotels and restaurants obviously generate more SFE's of sanitary sewer flow than if the same site were, alternatively, a retail site.

What is consistent, and simple to understand, is that every land use that will be developed within this plan can be easily calculated/converted into the number of SFE's, and, thus, the average daily flow capacities, that such use(s) would require. This calculation begins with the DRCOG guidelines of an average daily flow of 100 gpd per person, then multiplied by an average per capita of 2.5 persons per single family home, which equals 250 gpd per single family home. We then rounded up to 300 gpd



per single family home, allowing for both “infiltration” (of groundwater) and, generally, to have a conservative “SFE” number. Thus, 1000 SFE’s equals a maximum flow capacity of 300,000 gpd.

Notwithstanding the above explanation of how the 300,000 gpd of “Maximum Flow Capacity”, as referenced in the IGA, was derived, I would not recommend trying to incorporate this type of language into the IGA, as I believe that would only serve to make the IGA more complicated and less clear than it currently reads. I believe the basic concept and intent of the IGA, for both the CPNMD and Town Center District 1, is to meter the actual flows that are contributed to the Happy Canyon Outfall Line by Town Center District 1 and to “cap” such flows at the “Maximum Flow Capacity” of 300,000 gpd, as defined in the IGA. I believe that point is pretty clearly drafted in the current language of the IGA.

Sincerely,
David Evans and Associates, Inc.

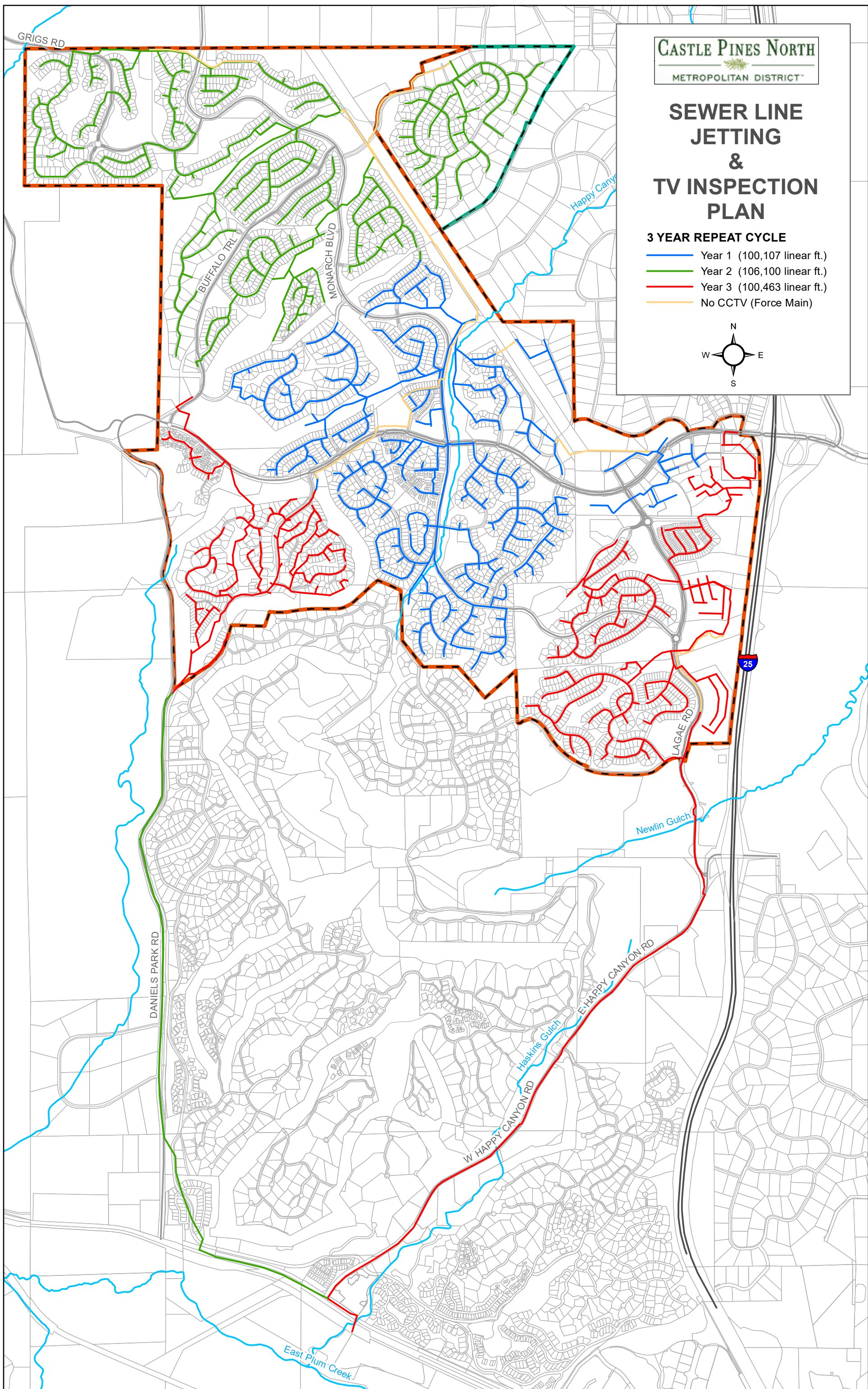
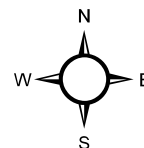
Brett Schlanger, PE

Attachment 5
Sanitary Sewer Cleaning Schedule Map

SEWER LINE JETTING & TV INSPECTION PLAN

3 YEAR REPEAT CYCLE

- Year 1 (100,107 linear ft.)
- Year 2 (106,100 linear ft.)
- Year 3 (100,463 linear ft.)
- No CCTV (Force Main)



Attachment 6

Engineer's Opinion of Probable Construction Cost
(30% design)

Engineer's Opinion of Probable Cost - 30% Design

SUMMARY- Total Construction Cost

Recommended Improvements	
Lift Station 1	\$830,400
Lift Station 2	\$1,962,000
Lift Station 3	\$1,062,000
Lift Station 4	\$541,200
Lift Station 5	\$614,400
Lift Station 6	\$627,500
Lift Station 7	\$548,400
Engineering	\$742,308
TOTAL	\$6,928,208

Recommended Improvements & Eliminating LS1 & LS2	
Re-route	\$5,232,000
Lift Station 1	\$50,000
Lift Station 2	\$50,000
Lift Station 3	\$1,062,000
Lift Station 4	\$541,200
Lift Station 5	\$600,000
Lift Station 6	\$627,500
Lift Station 7	\$548,400
Engineering	\$1,045,332
TOTAL	\$9,756,432

*Cost to abandon

*Cost to abandon

*Cost for site improvements

Note: Total costs do not include the cost for land acquisition/easements

OPINION OF PROBABLE CONSTRUCTION COST - 30% DESIGN - LIFT STATION 1



PROJECT: CPN Lift Station Permitting and Upgrades

OWNER: Castle Pines North Metro District

JOB NO.: 2246035*00

DATE: 6-Nov-23

ITEM NO.	ITEM DESCRIPTION	UNIT	QTY.	OPINION OF COST	
				UNIT COST	TOTAL COST
1	Mobilization	LS	1	10%	\$62,000.00
2	Site Security Upgrades	LS	1	\$35,000.00	\$35,000.00
3	Battery Powered Flow Meter & Vault (6" based on FM size)	EA	1	\$80,000.00	\$80,000.00
4	Flow Meter at Lift Station	EA	1	\$40,000.00	\$40,000.00
5	Electrical Upgrades	LS	1	\$50,000.00	\$50,000.00
6	SCADA & Instrumentation Upgrades	LS	1	\$25,000.00	\$25,000.00
7	Lining of Wet Well	SF	1500	\$45.00	\$67,500.00
8	Vault Overflow Storage (10' x 8' x 18' deep pre-cast concrete)	EA	4	\$80,000.00	\$320,000.00
	SUBTOTAL CONSTRUCTION COST				\$617,500.00
	Materials Testing (Not by Contractor)				\$15,000.00
	CONTINGENCY			20%	\$135,900.00
	TOTAL CONSTRUCTION COST				\$830,400.00

Notes:

1. Downstream flow meter cost does not include power to site, solar panels, or radio signal/SCADA
2. Site piping for overflow storage included in vault cost
3. Assumed proposed flow meter at lift station will be within the enclosure
4. Security upgrades include site fencing, site lighting, and a security camera

OPINION OF PROBABLE CONSTRUCTION COST - 30% DESIGN - LIFT STATION 2



PROJECT: CPN Lift Station Permitting and Upgrades

OWNER: Castle Pines North Metro District

JOB NO.: 2246035*00

DATE: 6-Nov-23

ITEM NO.	ITEM DESCRIPTION	UNIT	QTY.	OPINION OF COST	
				UNIT COST	TOTAL COST
1	Mobilization	LS	1	10%	\$148,000.00
2	Site Security Upgrades	LS	1	\$35,000.00	\$35,000.00
3	Battery Powered Flow Meter & Vault (10" based on FM size)	EA	1	\$110,000.00	\$110,000.00
4	Demo Existing Lift Station	LS	1	\$30,000.00	\$30,000.00
5	Bypass pumping	LS	1	\$50,000.00	\$50,000.00
6	Gorman-Rupp Lift Station Pump Package	EA	1	\$120,000.00	\$120,000.00
7	SCADA & Instrumentation Upgrades	LS	1	\$25,000.00	\$25,000.00
8	10" Force Main from LS 2 to LS 3	LF	2500	\$250.00	\$625,000.00
9	Site Piping	LF	100	\$300.00	\$30,000.00
10	Remove and replace concrete collar of bypass MH	LS	1	\$2,000.00	\$2,000.00
11	8' Diameter Wet Well	EA	1	\$60,000.00	\$60,000.00
12	Lining of Wet Well	SF	1500	\$45.00	\$67,500.00
13	Vault Overflow Storage (10' x 8' x 18' deep pre-cast concrete)	EA	4	\$80,000.00	\$320,000.00
	SUBTOTAL CONSTRUCTION COST				\$1,474,500.00
	Materials Testing (Not by Contractor)				\$15,000.00
	CONTINGENCY			20%	\$324,500.00
	TOTAL CONSTRUCTION COST				\$1,962,000.00

Notes:

1. Downstream flow meter cost does not include power to site, solar panels, or radio signal/SCADA
2. Site piping for overflow storage included in vault cost
3. Gorman-Rupp lift station package includes pumps, piping, flow meter, backup engine, all electrical and instrumentation equipment, & HVAC system
4. Force main replacement from LS 2 to LS 3 only includes pipe not replaced in 2000
5. Security upgrades include site fencing, site lighting, and a security camera

OPINION OF PROBABLE CONSTRUCTION COST - 30% DESIGN - LIFT STATION 3



PROJECT: CPN Lift Station Permitting and Upgrades

OWNER: Castle Pines North Metro District

JOB NO.: 2246035*00

DATE: 6-Nov-23

ITEM NO.	ITEM DESCRIPTION	UNIT	QTY.	OPINION OF COST	
				UNIT COST	TOTAL COST
1	Mobilization	LS	1	10%	\$80,000.00
2	Site Security Upgrades	LS	1	\$35,000.00	\$35,000.00
3	Battery Powered Flow Meter & Vault (16" based on FM size)	EA	1	\$130,000.00	\$130,000.00
4	Electrical Upgrades	LS	1	\$80,000.00	\$80,000.00
5	SCADA & Instrumentation Upgrades	LS	1	\$25,000.00	\$25,000.00
6	Improvements to ozone injection locations	LS	1	\$10,000.00	\$10,000.00
7	Lining of Wet Well	SF	1,500	\$45.00	\$67,500.00
8	Painting of Dry Pit Walls	LS	1	\$20,000.00	\$20,000.00
9	Stair Repair	LS	1	\$10,000.00	\$10,000.00
10	New Cat Walk	LS	1	\$20,000.00	\$20,000.00
11	Full station backup generator outside of building	LS	1	\$120,000.00	\$120,000.00
12	Wet Well Access Improvements	LS	1	\$50,000.00	\$50,000.00
13	HVAC Improvements	LS	1	\$25,000.00	\$25,000.00
14	Stand-Alone Lift Station	LS	1	\$200,000.00	\$200,000.00
SUBTOTAL CONSTRUCTION COST					\$792,500.00
Materials Testing (Not by Contractor)					\$15,000.00
CONTINGENCY				20%	\$174,500.00
TOTAL CONSTRUCTION COST					\$1,062,000.00

Notes:

1. Downstream flow meter cost does not include power to site, solar panels, or radio signal/SCADA
2. After a preliminary review, it was determined that the required overflow storage volume cannot be achieved at this site. A variance will need to be requested from CDPHE
3. Lift station has an existing flow meter on pump discharge
4. Security upgrades include site fencing and site lighting (site has existing cameras)
5. Electrical upgrades cost includes relocating pump disconnect switches for easier access
6. Jacobs report suggests new cat walk to access pump disconnect switches

OPINION OF PROBABLE CONSTRUCTION COST - 30% DESIGN - LIFT STATION 4



PROJECT: CPN Lift Station Permitting and Upgrades

OWNER: Castle Pines North Metro District

JOB NO.: 2246035*00

DATE: 6-Nov-23

ITEM NO.	ITEM DESCRIPTION	UNIT	QTY.	OPINION OF COST	
				UNIT COST	TOTAL COST
1	Mobilization	LS	1	10%	\$40,000.00
2	Site Security Upgrades	LS	1	\$35,000.00	\$35,000.00
3	Battery Powered Flow Meter & Vault (3" based on FM size)	EA	1	\$60,000.00	\$60,000.00
4	Demo Existing Lift Station	LS	1	\$20,000.00	\$20,000.00
5	Bypass pumping	LS	1	\$50,000.00	\$50,000.00
6	Gorman-Rupp Lift Station Pump Package	EA	1	\$80,000.00	\$80,000.00
7	Site Piping	LF	100	\$300.00	\$30,000.00
8	SCADA & Instrumentation Upgrades	LS	1	\$25,000.00	\$25,000.00
9	Replace Wet Well Access Lid	EA	1	\$5,000.00	\$5,000.00
10	Lining of Wet Well	SF	300	\$45.00	\$13,500.00
11	Vault Overflow Storage (10' x 8' x 18' deep pre-cast concrete)	EA	1	\$80,000.00	\$80,000.00
SUBTOTAL CONSTRUCTION COST					\$398,500.00
Materials Testing (Not by Contractor)					\$15,000.00
CONTINGENCY				20%	\$87,700.00
TOTAL CONSTRUCTION COST					\$541,200.00

Notes:

1. Downstream flow meter cost does not include power to site, solar panels, or radio signal/SCADA
2. Site piping for overflow storage included in vault cost
3. Gorman-Rupp lift station package includes pumps, piping, flow meter, backup engine, all electrical and instrumentation equipment, & HVAC system
4. Security upgrades include site fencing, site lighting, and a security camera

OPINION OF PROBABLE CONSTRUCTION COST - 30% DESIGN - LIFT STATION 5



PROJECT: CPN Lift Station Permitting and Upgrades

OWNER: Castle Pines North Metro District

JOB NO.: 2246035*00

DATE: 6-Nov-23

ITEM NO.	ITEM DESCRIPTION	UNIT	QTY.	OPINION OF COST	
				UNIT COST	TOTAL COST
1	Mobilization	LS	1	10%	\$46,000.00
2	Site Security Upgrades	LS	1	\$35,000.00	\$35,000.00
3	Battery Powered Flow Meter & Vault (6" based on FM size)	EA	1	\$80,000.00	\$80,000.00
4	Demo Existing Lift Station	LS	1	\$20,000.00	\$20,000.00
5	Bypass pumping	LS	1	\$50,000.00	\$50,000.00
6	Gorman-Rupp Lift Station Pump Package	EA	1	\$120,000.00	\$120,000.00
7	Site Piping	LF	100	\$300.00	\$30,000.00
8	SCADA & Instrumentation Upgrades	LS	1	\$25,000.00	\$25,000.00
9	Lining of Wet Well	SF	300	\$45.00	\$13,500.00
10	Vault Overflow Storage (10' x 8' x 18' deep pre-cast concrete)	EA	1	\$80,000.00	\$80,000.00
SUBTOTAL CONSTRUCTION COST					\$453,500.00
Materials Testing (Not by Contractor)					\$15,000.00
CONTINGENCY				20%	\$99,900.00
TOTAL CONSTRUCTION COST					\$614,400.00

Notes:

1. Downstream flow meter cost does not include power to site, solar panels, or radio signal/SCADA
2. Site piping for overflow storage included in vault cost
3. Gorman-Rupp lift station package includes pumps, piping, flow meter, backup engine, all electrical and instrumentation equipment, & HVAC system
4. Security upgrades include site fencing, site lighting, and a security camera

OPINION OF PROBABLE CONSTRUCTION COST - 30% DESIGN - LIFT STATION 6



PROJECT: CPN Lift Station Permitting and Upgrades

OWNER: Castle Pines North Metro District

JOB NO.: 2246035*00

DATE: 6-Nov-23

ITEM NO.	ITEM DESCRIPTION	UNIT	QTY.	OPINION OF COST	
				UNIT COST	TOTAL COST
1	Mobilization	LS	1	10%	\$47,000.00
2	Site Security Upgrades	LS	1	\$35,000.00	\$35,000.00
3	Battery Powered Flow Meter & Vault (6" based on FM size)	EA	1	\$80,000.00	\$80,000.00
4	Demo Existing Lift Station	LS	1	\$20,000.00	\$20,000.00
5	Bypass pumping	LS	1	\$50,000.00	\$50,000.00
6	Gorman-Rupp Lift Station Pump Package	EA	1	\$120,000.00	\$120,000.00
7	SCADA & Instrumentation Upgrades	LS	1	\$25,000.00	\$25,000.00
8	Lining of Wet Well	SF	520	\$45.00	\$23,400.00
9	Site Piping	LF	100	\$300.00	\$30,000.00
10	Vault Overflow Storage (10' x 8' x 18' deep pre-cast concrete)	EA	1	\$80,000.00	\$80,000.00
SUBTOTAL CONSTRUCTION COST					\$463,400.00
Materials Testing (Not by Contractor)					\$15,000.00
CONTINGENCY				20%	\$102,100.00
TOTAL CONSTRUCTION COST					\$627,500.00

Notes:

1. Downstream flow meter cost does not include power to site, solar panels, or radio signal/SCADA
2. Site piping for overflow storage included in vault cost
3. Gorman-Rupp lift station package includes pumps, piping, flow meter, backup engine, all electrical and instrumentation equipment, & HVAC system
4. Security upgrades include site fencing, site lighting, and a security camera

OPINION OF PROBABLE CONSTRUCTION COST - 30% DESIGN - LIFT STATION 7



PROJECT: CPN Lift Station Permitting and Upgrades

OWNER: Castle Pines North Metro District

JOB NO.: 2246035*00

DATE: 6-Nov-23

ITEM NO.	ITEM DESCRIPTION	UNIT	QTY.	OPINION OF COST	
				UNIT COST	TOTAL COST
1	Mobilization	LS	1	10%	\$41,000.00
2	Site Security Upgrades	LS	1	\$35,000.00	\$35,000.00
3	Battery Powered Flow Meter & Vault (6" based on FM size)	EA	1	\$80,000.00	\$80,000.00
4	Flow Meter at Lift Station	EA	1	\$40,000.00	\$40,000.00
5	Electrical Upgrades	EA	1	\$50,000.00	\$50,000.00
6	SCADA & Instrumentation Upgrades	EA	1	\$25,000.00	\$25,000.00
7	Lining of Wet Well	SF	300	\$45.00	\$13,500.00
8	Vault Overflow Storage (10' x 8' x 18' deep pre-cast concrete)	EA	2	\$80,000.00	\$160,000.00
SUBTOTAL CONSTRUCTION COST					\$403,500.00
Materials Testing (Not by Contractor)					\$15,000.00
CONTINGENCY				20%	\$88,900.00
TOTAL CONSTRUCTION COST					\$548,400.00

Notes:

1. Downstream flow meter cost does not include power to site, solar panels, or radio signal/SCADA
2. Site piping for overflow storage included in vault cost
3. Assumed proposed flow meter at lift station will be within the enclosure
4. Security upgrades include site fencing, site lighting, and a security camera

OPINION OF PROBABLE CONSTRUCTION COST - 30% DESIGN - RE-ROUTING



PROJECT: CPN Lift Station Permitting and Upgrades

OWNER: Castle Pines North Metro District

JOB NO.: 2246035*00

DATE: 6-Nov-23

ITEM NO.	ITEM DESCRIPTION	UNIT	QTY.	OPINION OF COST	
				UNIT COST	TOTAL COST
1	Mobilization	EA	1	10%	\$446,000.00
2	Abandon Existing Lift Stations 1 and 2	LS	1	\$100,000.00	\$100,000.00
3	10" Force Main from LS 2 to LS 3	LF	2500	\$250.00	\$625,000.00
4	10" Force Main from LS 5 to LS 2 Road Segment	LF	2,520	\$300.00	\$756,000.00
5	10" Force Main from LS 5 to LS 2 Non-road Segment	LF	650	\$250.00	\$162,500.00
6	Upsize LS 5 (Pumps, Wet Well, Overflow)	LS	1	\$600,000.00	\$600,000.00
7	8" Gravity Sewer - LS 1 to LS 5 (ALGMT 1B) Road Segment	LF	2,290	\$300.00	\$687,000.00
8	8" Gravity Sewer - LS 1 to LS 5 (ALGMT 1B) Non-road Segment	LF	930	\$250.00	\$232,500.00
9	MHs LS 1 to 5 (ALGMT 1A)	LF	12	\$14,000.00	\$168,000.00
10	8" Gravity Sewer - LS 2 to LS 5 (ALGMT 2B) Road Segment	LF	2,520	\$300.00	\$756,000.00
11	8" Gravity Sewer - LS 2 to LS 5 (ALGMT 2B) Non-road Segment	LF	650	\$250.00	\$162,500.00
12	MHs LS 2 to 5 (ALGMT 1A)	EA	13	\$14,000.00	\$182,000.00
13	Traffic Control	LS	1	\$20,000.00	\$20,000.00
SUBTOTAL CONSTRUCTION COST					\$4,451,500.00
Materials Testing (Not by Contractor)					\$30,000.00
Construction Survery (Not by Contractor)					\$25,000.00
CONTINGENCY				20%	\$979,500.00
TOTAL CONSTRUCTION COST					\$5,932,000.00

Notes:

1. This cost estimate is for re-routing flows from LS1 and LS2 to a new lift station, LS5
2. The scenario for re-routing flows from LS2 to LS1 is not included in this cost estimate

**IF YOU SUSPECT A
SANITARY SEWER
OVERFLOW IN
PROGRESS:**

**IMMEDIATELY CALL, TEXT
AND EMAIL:**

1. WILL PARKER

Will Parker – Lead Operator

5121 Country Club Dr.

Larkspur, CO 80118

Cell: (303) 901-2178

Office: (303) 681-2253

willsemocor@hotmail.com

2. NATHAN TRAVIS:

Nathan Travis – District Manager

Castle Pines North Metro District

7404 Yorkshire Drive

Castle Rock, CO 80108

Cell: (303) 827-4824

Office: 303-688-8550 + Extension
9 for afterhours emergency

nathan@cpnmd.org

**IF WILL AND NATHAN DO NOT
IMMEDIATELY RESPOND:**

**SEE CALL OUT LIST ON PAGE 6 OF
THIS DOCUMENT**

Sanitary Sewer Overflow (SSO) Prevention and Response Plan

Description

Sanitary sewer overflow events are a serious hazard to public health and the environment.

Training of staff at each lift station should be conducted regularly such that this response plan is well understood prior to any future SSOs, which occur typically when least expected. The utmost diligence is required when one does occur.

Lift stations are where overflow events are most likely to occur, however should overflow occur at any point within the gravity collection or force main systems, similar response is warranted.

The District and their consultants continue to work diligently to provide for the design and construction of improvements to each lift station site. Generally, these efforts are anticipated to significantly improve the lift stations' overflow storage capacity, residency, and redundancy while addressing site specific items which could contribute to future failures and SSO events.

This plan is to be used to establish emergency procedures for use by Board members, consultants, contractors, samplers and maintenance and repair personnel. The input of all entities to changing procedures is vital so the Plan remains an accurate and current document.

This Sanitary Sewer Overflow (SSO) Prevention and Response plan shall be adhered to by all District / Operations staff and shall be immediately implemented during any future potential sanitary sewer overflow events.

Prevention Procedures

Sanitary Sewer Overflow Prevention

Although SSO events in the District are not completely foreseeable, proper practices and maintenance of the District's lift stations is the basis for which future SSO's can be mitigated. The prevention procedures section below indicates the currently recommended practices which the District should follow in order to prepare for possible future SSO's.

- Lift Stations
 - Site grading / drainage should be regularly inspected to identify and remove debris which could impact the site drainage and lead to potential for flooding, ponding of water, or other drainage issues.
 - Mechanical maintenance - the district shall regularly utilize their on-call mechanical, electrical, and controls contractors to provide for inspection of each lift station's critical components.
 - Emergency Power backup generation - each emergency backup generators (diesel / natural gas) shall be regularly serviced and tested by trained service personnel.
 - Emergency overflow storage at each lift station site should be regularly inspected to confirm they remain empty at all times to maximize available storage.
 - Conduct periodic inspections to ensure that critical system components are functioning properly (mechanical, electrical, controls, etc)
 - Provide adequate spill kits and PPE for operations and response staff. Spare PPE should be kept on site at each one of the District's lift stations.
 - Stock adequate personal protective equipment at each lift station location and in operator/staff vehicles.
- Gravity Sewer System
 - The District shall continue to provide for regular (3-yr cycle) inspection, cleaning and jetting, and maintenance of the gravity collection system. Any debris, breaks, roots, or other noted defects which may impact hydraulic capacity of the gravity sewer system shall be provided.
 - The District shall continue installation of rubber pick hole stoppers to further reduce inflows to manholes during rain events. Any manholes lids known to be particularly susceptible to inflows during rain events may require a fully gasketed lid to realistically prevent inflows.

SSO Response Plan

Safety

Consider safety at all times. Anticipate and avoid all likely hazards. Wear the appropriate PPE, which at a minimum should include coveralls, mouth and eye coverings, and nitrile (or equivalent gloves). Do not directly contact wastewater to greatest practical extent.

1. Report suspected overflow.

- a. The appropriate District staff (Nathan Travis or Will Parker) shall be notified immediately upon discovery of suspected or confirmed SSO event in progress.
- b. If Nathan and Will do not immediately respond proceed to page 6 of this document for additional contact information for Semocor, Inc (Operation Staff) and the District's on-call contractors which are necessary to provide for the spill response.

2. Initiate emergency containment response

- a. Containment via vacuum trucks should be initiated immediately, regardless of the expected likelihood or size of a suspected overflow. Estimate or determine the flow rate of the overflow and indicate to the vac truck company how frequent trucks need to arrive in order to keep up with the estimated flow rate.
- b. Call both Iron Woman and Badger Daylighting to get the fastest response possible. Be prepared to provide the site address.
- c. Assign a staff member to be on lookout duty for the vac truck so they can be flagged down and directed to the overflow location as quickly as possible.
- d. Once a vac truck service has confirmed they are en-route, and depending on the location of the SSO event, it may be possible to stop the leading edge of the overflow, achieve some minimal storage, and/or minimize the area requiring cleanup via minor (hand shoveled) excavation or portable sandbag units.
 - i. Sandbags or berms created by minor excavation should be placed downstream of the overflow and perpendicularly to the flow direction, where appropriate.
 - ii. Areas downstream of each lift station should regularly be investigated for potential locations that can act as temporary containment areas.
 - iii. Each potential overflow location is unique, however staff should be familiar with the topography and expected overflow path for each lift station site, so they can best be prepared to act.
- e. Protect storm drains in the area with sandbags or portable inlet control devices. Which should be kept on hand by the district at a nearby storage facility.

3. Post Signage in impacted areas

- a. Initial signage shall be focused on all areas accessible to public. Signage shall be maintained (checked daily by staff) for areas of with suspected contaminated soil and or water until the threat of contamination has been addressed.
- b. Signage shall be posted immediately once SSO is included on the final page of this document.

4. Stopping the overflow and minimizing overflow volumes

- a. Determine and address the cause of overflow
 - i. It is anticipated that the District will utilize their on-call contractor for electrical, mechanical, and controls to quickly respond and be able to fix the cause of the overflow. Each of the on call contractors shall become and stay familiar with each lift station site, and the district shall purchase and store backup equipment to reduce the time to replace failed equipment and minimize time of the overflow.
- b. Vac-Truck Procedures
 - i. Upon arriving to site, the vac truck company shall be instructed to remove the wastewater from the appropriate location (manhole, wetwell, or at point of concentration downstream of discharge). Staff shall assist as necessary to ensure equate containment is provided for the vac-truck to successfully vacuum the wastewater into the trailer.
 - ii. A second (third, fourth....etc) vac-truck shall be dispatched as soon as necessary to ensure each truck on site does not fill completely or leave site until the next truck is on site and ready to take over the removal of wastewater.
 - iii. Vac trucks shall run continuously until the cause of the lift station failure or overflow is addressed to the satisfaction of the District staff.
 - iv. If overflow to the surface / environment occurs, proceed to step 4 below.

5. Notifications and Cleanup

NOTIFY CDPHE

Contact Colorado Department of Public Health and Environment SSO Reporting Hotline (877) 518-5608 (within 24-hours of discovery)

Have the following information available:

- The date, time, estimated length of time, and approximate volume of the discharge.
- The cause of the discharge.
- The level of wastewater in the discharging impoundment(s).
- Whether the discharge entered, or could enter, waters of the United States.
- Response actions taken

District to prepare incidence report per CDPHE guidelines. The written report should include the information listed under step 4 above and be addressed as directed by CDPHE.

CLEANUP AND SAMPLING

Depending on the severity and extents of future SSO events, the District shall immediately develop and enact a cleanup plan which can be shown to reasonably remove any contaminated soils or materials within the area of the discharge, including sampling of impacted or suspected soil and water. Each SSO should be carefully considered in coordination with the District's consultants to provide a plan on a case-by-case basis, however the following guidelines should be used in coordination with operations staff, consultants, and subcontractors who may be part of the District's response.

- Document spill with photos, videos
- Estimate total volume (cubic feet or gallons) overflowed
 - where possible utilize flow meter data or wet well level data to refine estimates.
- Create a map showing SSO discharge point occurred and known or estimated area of potential contamination. By this point in the District's response, all wastewater overflows would have been contained and fully removed from site via-vac trucks.
- Remove at least 6" of topsoil where overflows had been successfully contained on the natural surface.
- All hard surfaces, such as linoleum, hardwood floors, concrete, wood moldings, wood, and metal furniture, and on should be thoroughly cleaned with hot water and a mild detergent (dish detergent), and then rinsed with a bleach solution by mixing one tablespoon of liquid household unscented bleach to one gallon of water. Let the surface air dry.

SAMPLING GUIDELINES

- Wastewater sampling should be conducted to identify discharge concentrations of all 5 of the waterborne contaminants listed below.
- Contaminants
 - Biological Oxygen Demand (BOD) (mg/L)
 - Ammonia (mg/L)
 - Total Suspended Solids (TSS) (mg/L)
 - E. Coli (MPN/100mL)
 - Total Coliforms (MPN/100mL)

- Soil samples should be taken once any known or suspected contaminated soil has been removed and hauled to the appropriate landfill or processing facility. Soil samples shall be taken for ammonia only.
- Acceptable laboratories for sample analysis. Are listed below

a. Origins in Denver - 1725 W Elk Pl, Denver, CO 80211

b. Summit Scientific - 4653 Table Mountain Dr, Golden, CO 80403

Samples collected shall be taken to the lab the day they are collected

Samples shall be taken with standard best practices (EPA) as applicable

6. Contact Legal Counsel, District Engineer and Board President.

7. Notify District insurance representative.

Records

The following records could be used to document activities performed:

- Records of any major spills and the action taken.
- Records of employee training with sign-in sheet.

Employee Training

- Train applicable employees who perform overflow prevention and response on this written procedure. Information regarding how to avoid and report SSO's will be presented during the training.
- Periodically conduct refresher training.

References

Colorado Department of Public Health and Environment, *Environmental Spill Reporting*, January 2009.

SANITARY SEWER OVERFLOW CALLOUT LIST

In the event of a sanitary sewer overflow (SSO), the following companies and contractors should be notified in descending order, as needed to immediately restore functionality to lift stations and stop sanitary sewer overflow. Vac Trucks must remain on site until SSO is resolved to the explicit satisfaction by Will Parker or Nathan Travis.

Task or activity description																						
OPERATIONS TEAM (SEMOCOR, INC)	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Semocor Inc.</td> <td style="width: 20%;">Office</td> <td style="width: 50%;">(303) 681-2253 (7:30AM - 4:00PM)</td> </tr> <tr> <td>Will Parker</td> <td>Cell</td> <td>(303) 901-2178</td> </tr> <tr> <td>Mark Dufrenne</td> <td>Cell</td> <td>(760) 900-9047</td> </tr> <tr> <td>Clyde Parker</td> <td>Cell</td> <td>(303) 901-2177</td> </tr> <tr> <td>Ryker Cook</td> <td>Cell</td> <td>(720) 376-5595</td> </tr> <tr> <td>Wyatt Schaefer</td> <td>Cell</td> <td>(720) 917-9899</td> </tr> <tr> <td>Matt Chaston</td> <td>Cell</td> <td>(720) 910-2370</td> </tr> </table>	Semocor Inc.	Office	(303) 681-2253 (7:30AM - 4:00PM)	Will Parker	Cell	(303) 901-2178	Mark Dufrenne	Cell	(760) 900-9047	Clyde Parker	Cell	(303) 901-2177	Ryker Cook	Cell	(720) 376-5595	Wyatt Schaefer	Cell	(720) 917-9899	Matt Chaston	Cell	(720) 910-2370
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Wyatt Schaefer	Cell	(720) 917-9899																				
Matt Chaston	Cell	(720) 910-2370																				
CASTLE PINES NORTH METRO DISTRICT	NATHAN TRAVIS (DISTRICT MANAGER) - (303) 827-4824 DISTRICT OFFICE - 303-688-8550																					
VAC TRUCK SEVICES	IRON WOMAN – (303) 399-5534 BADGER DAYLIGHTING – (303) 709-1956																					
BYPASS SERVICES	CORE SOLUTIONS – (970) 702-3125																					
MOTORS AND PUMPS	ADVANCED MECHANICAL – (303) 818-5424 JOHN LEARY – (303) 587-5678																					
ELECTRICIAN	M. GILLMORE ELECTRIC – (720) 447-2749 PRINCIPLE ELECTRIC – (303) 929-0091																					
CONTROLS/SCADA	MOUNTAIN PEAKS CONTROLS – (303) 885-5969																					
CDPHE SSO REPORTING HOTLINE	<p>(877) 518-5608 within 24-hours of discovery. The notification must describe, at a minimum:</p> <ul style="list-style-type: none"> • The date, time, estimated length of time, and approximate volume of the discharge. • The cause of the discharge. • The level of wastewater in the discharging impoundment(s). • Whether the discharge entered, or could enter, waters of the United States. 																					

EXAMPLE SIGNAGE TO BE POSTED UNTIL SSO IS ADDRESSED
AND ANY REQUIRED REMEDIATION IS COMPLETE

CASTLE PINES NORTH



METROPOLITAN DISTRICT

**DO NOT ENTER
DRAINAGE AREA**

**Possible Sanitary
Sewer contamination**

**Mitigation work is
underway. Signs will
be removed when
completed.**



**For More Information Call
303-688-8550**

November 22, 2023

Memorandum

To: Nathan Travis, District Manager
Castle Pines North Metropolitan District

From: Greg S. Sekera, P.E.

Subject: District Engineer Report for Board of Directors Meeting on November 27, 2023
Castle Pines North Metropolitan District
KJ Job No. 2346002*GENW

Briefly presented below are the items that we have been involved in during the past month as well as on-going engineering related items.

DISTRICT PROJECTS

Water Treatment Plant Upgrades – There are 5 projects currently in the design and construction phases. The Backwash Reclaim Tank project has been completed and closed out.

Projects in Progress

- **HVAC System Upgrades**: Glacier Construction Co. is nearly complete with this project, awaiting a final backordered part for a contract-required thermostat. All other HVAC equipment is installed and operational.
 - Status: Project completion is expected in December 2023.
- **Tank Rehabilitation Program**: Glacier Construction Co. has initiated work on the Backwash Supply Tank, Raw Water Mix Tank, and Treated Water Clearwell. Demolition and surface preparation are underway in anticipation of new coating system application.
 - Status: Project completion is slated for March 2024.
- **Liquid Ammonia Sulfate (LAS) Storage and Feed System Upgrade**: The project design is complete, and public bidding is currently underway. Bid Opening and Notice to Proceed (NTP) will be issued to the awarded Contractor in December. Estimated construction time is 6 months from NTP issuance.
 - Status: Project out for Public Bid
- **Facility Documentation Program**: The KJ Team is progressing through various phases of the Facility Documentation Program, aiming to capture, document, and develop infrastructure, controls programming, and operational procedures related to the Water Treatment Plant. Active phases include:
 - **Electrical, Instrumentation & Controls Documentation**: KJ will finalize baseline P&IDs representing the WTP's current state by year-end. These P&IDs will serve as living documents, updated with each capital project completion. Coordination with Mountain Peaks is ongoing to align the SCADA system with the new P&IDs' instrumentation tag naming convention.

Memorandum

Engineer Report – Castle Pines North Metropolitan District
November 22, 2023
Page 2

- Code Summary Analysis: This project phase is progressing and is expected to conclude by year-end.
 - Asset Management Registry Update: KJ has gathered data for the data entry pilot and will initiate efforts that can be completed at this time with the District's third-party asset registry designer. Asset information for the WTP and Lift Stations will be entered into the registry as construction is completed for active and planned projects.
 - Site Civil Utility As-Builts: An updated survey of the WTP site will be generated. This survey, along with utility location efforts, will be used to create site civil drawings for the WTP. Surveying and Utility Location are being finalized with True North Surveying & Mapping.
- Filter Rehabilitation Project: The 6-week sampling campaign of the WTP's combined raw water influent has been completed, and the KJ team is analyzing the water quality data. They are developing the first draft of the pilot plan for submission to CDPHE for review and input. Piloting is scheduled for late March/early April when the WTP is brought back online. Simultaneously, KJ is initiating the scope of work development for the Filter Bed Rehab Design. KJ anticipates starting the preliminary design phase in Q1 of 2024.
- ❖ Lift Station Upgrades – Final design is in progress. We are performing reviews with the District and agencies and finishing final coordination with the surveyor, geotechnical engineer, and utility locate/pothole company to complete their work. We are currently at the 30% design level.
- Status: Currently in design
 - Anticipated Bid: Q2 2024

Notice of Violation / Cease and Desist Order – We continued coordination with the District and consultants in addressing the requests from CDPHE. We completed the requested engineering report for the lift stations. Our report and the other items that Level Engineering has assembled have been provided to the State. We will continue to provide support and respond to comments and questions from the State.

- ❖ Yorkshire Water Line Replacement – The Yorkshire Water Line will be replaced ahead of the City's pavement restoration in Yorkshire. Following receipt of bids in September the project was awarded to Diaz Construction. Diaz's contract has been executed and we are coordinating with them for their schedule to start. Diaz will begin setting up temporary water services on January 8 and anticipates beginning pipe construction on January 22.
- Status: Pre-construction.
 - Anticipated Start: January 2024
- ❖ Well Vault Rehab Project – Kennedy Jenks is currently designing the upgrades needed for each well vault in the District. We are currently at the 90% design level.
- Status: Currently in design
 - Anticipated Project Bid: Q1 2024

Memorandum

Engineer Report – Castle Pines North Metropolitan District
November 22, 2023
Page 3

- ❖ Monarch Water Line Replacement – The Monarch Water Line will be replaced ahead of the City’s pavement restoration in Monarch that is scheduled for 2024. We completed design of the water line replacement for the City’s Phase 1 from Castle Pines to Glen Oaks Avenue. The approximate length of the replacement is 4,300 feet. The water line design has been combined with the City’s bid package for the road improvements and is out to bid. The bid opening is scheduled for December 14.
 - Status: Out to Bid.
 - Anticipated Construction Start: Q1 2024

DEVELOPMENT PROJECTS

- ❖ New Service Line Reviews – We have continued observations of new water and sewer taps and services in Lagae and Town Center for conformance to the District standards. We will continue the observations as requests are received by the District.
 - Status: Active on an as needed basis
- ❖ Lagae PA-12 Site – *No new updates for this past month.* We continue coordination with the Developer and their utilities contractor for completion of the final punch work. Acceptance of the project for start of conveyance is pending completion of punch work and documentation.
 - Status: Punch list and close out phase
- ❖ Lagae PA-7 Site – *No new updates for this past month.* The water and sanitary sewer mains and service line stub-outs to the townhome buildings are complete. The Developer is continuing with townhomes, and we are reviewing the meter and service lines as they request. Acceptance of the project for start of conveyance is pending completion of punch work and documentation.
 - Status: Punch list and close out phase
- ❖ Lagae Family Site – *No new updates for this past month.* Water and sanitary sewer improvements are complete. We continue to track punch list work. The project has not been accepted for start of conveyance.
 - Status: Active construction – punch list and close out phase
- ❖ Charter Oaks Car Wash – New car wash project is complete.
- ❖ Service Street Auto Repair – Lot is within the Lagae Family Parcel at Castle Pines Pkwy and Lagae Road. Project only requires new water and sewer services. Our review of the water service size is complete.
 - Status: Currently in design
 - Start date for construction is unknown.

Memorandum

Engineer Report – Castle Pines North Metropolitan District
November 22, 2023
Page 4

- ❖ McDonalds – *No new updates for this past month.* Lot is within the Lagae Family Parcel at Castle Pines Pkwy and Lagae Road. Project only requires new water and sewer services. We received plans for review.
 - Status: Currently in design
 - Start date for construction is unknown.

- ❖ Self-Storage – Received request to review a proposed self-storage on 2 Lots within the Lagae Family Parcel at Castle Pines Pkwy and Lagae Road. Project is only in conceptual stage. No formal plans have been submitted.
 - Status: Currently in zoning review with City.
 - Plan Review Status: 1st submittal pending

Castle Pines North Systems Report

October 2023

Presented by:

Semocor, Inc.

3995 Castlewood Canyon Rd.

Castle Rock CO, 80104

Water Treatment

		<u>Oct-22</u>	<u>Oct-23</u>	
LDA-1	1	7.990	7.60	Normal Operation/To Irrigation
Reuse	2	10.000	10.00	Normal Operation/To Irrigation
A-1	3	10.510	2.24	Normal Operation
A-2	4	3.300	0.00	Normal Operation
A-3	4	10.600	0.00	Normal Operation
A-4	1	0.000	2.54	Normal Operation
A-5	1	0.660	2.83	Normal Operation
A-6	2	0.000	4.23	Normal Operation
DE-6	1	5.180	0.00	Normal Operation
A-7	1	15.630	0.00	Normal Operation
DE-7	2	<u>0.000</u>	<u>0.00</u>	Normal Operation

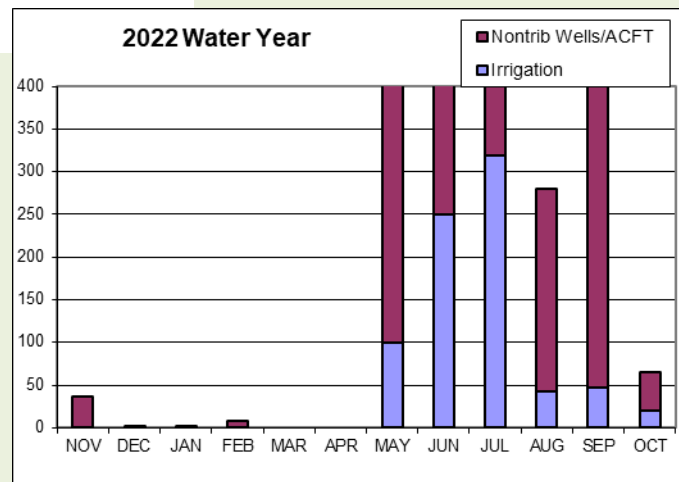
Total MG/Month **45.880** **11.834** *LDA-1 and Reuse not into plant.*

Gallons/day **1,480,000** **381,742**

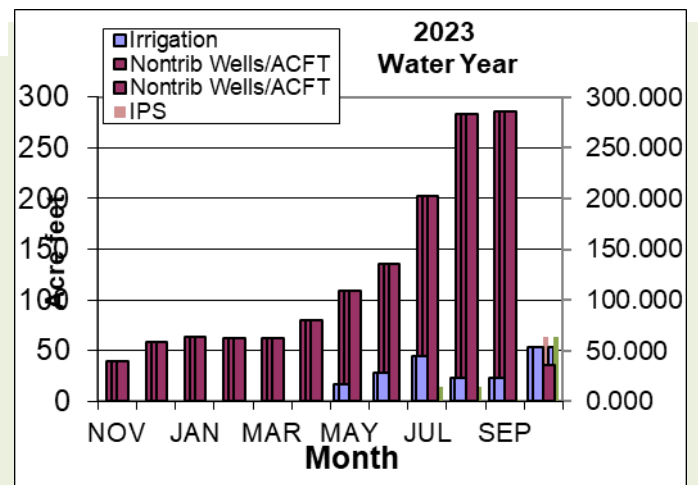
Monthly Precipitation **0.62** **0.72**

Water YTD Precipitation **8.17** **23.59**
Total MG/Water
Year **1,080.580** **589.020**

Water Year is from 11-1-2022 through 10-31-2023



YTD 6% Irrigation used



YTD 6% Irrigation used

Water treatment Plant – 11,834,000 gallons/month and the Daily Avg. = 7.62%, maximum day demand = 2.36% of capacity.

Filter rehabilitations have started in this year.

Distribution System- Oct. 2023

All Water Samples taken for October are good.

IPS Pipeline – Transferred 63.0 MG in October -Normal Operation
(2023 water YTD transfer is 92.238 gallons to the district.)

Water Tanks – Normal Operation

Serena Drive PRV – Normal Operation

Monarch Blvd PRV – Normal Operation

Hidden point PRV – Normal Operation

Zone 4 BPS – Normal Operation

Meter Readings – Submitted 10-30-2023.

Fire Hydrants – Normal Operation

Water Mains – Normal Operation

Miscellaneous

Generators Water plant. Normal Operation

Work Orders – 68

Failed Inspections – 0.

Emergency call outs - 2

Non-payment shut-offs - 2.

Tag hangings – 42

Turn off and turn on (normal work orders) – 8.

Final and meter Re-reads – 24

Curb-stop valves/meter pit repairs – 4

Extra work-

Collection System

All lift station undergoing Kennedy Jenks review.

Lift station will be cleaned and checked every three months for any Maintenance items or needs this is on hold due to T-NORM testing for CDPHE.

Lift station # 1 -Normal Operation

Lift station # 2 -Normal Operation

Lift station # 3 – SSO reports and work to get information to CDPHE, (on going) . Normal Operation

Lift station # 4 -Normal Operation

Lift station # 5 – Normal Operation

Lift station # 6 –Normal Operation

Lift station #7 -Normal Operation

Lagae LS - Normal Operation

Castle Pines North Systems Report September 2023

Presented by:

Semocor, Inc.

3995 Castlewood Canyon Rd.

Castle Rock CO, 80104

Water Treatment

		Sep-22	Sep-23	
LDA-1	1	8.440	7.60	Normal Operation/To Irrigation
Reuse	2	0.000	0.00	Normal Operation/To Irrigation
A-1	3	53.090	14.40	Normal Operation
A-2	4	32.950	0.00	Normal Operation
A-3	4	46.000	0.00	Normal Operation
A-4	1	0.000	17.55	Normal Operation
A-5	1	26.510	12.65	Normal Operation
A-6	2	0.000	27.84	Normal Operation
DE-6	1	12.330	0.00	Normal Operation
A-7	1	61.840	20.52	Normal Operation
DE-7	2	<u>0.000</u>	<u>0.00</u>	Normal Operation

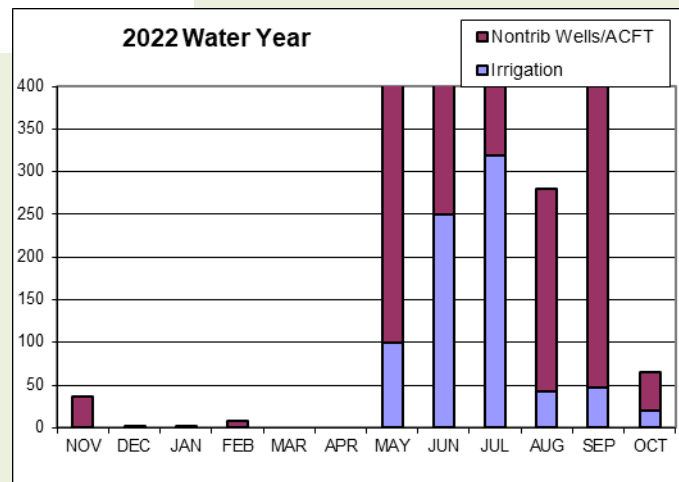
Total MG/Month **232.720** **92.960** *LDA-1 and Reuse not into plant.*

Gallons/day **7,757,333** **3,098,667**

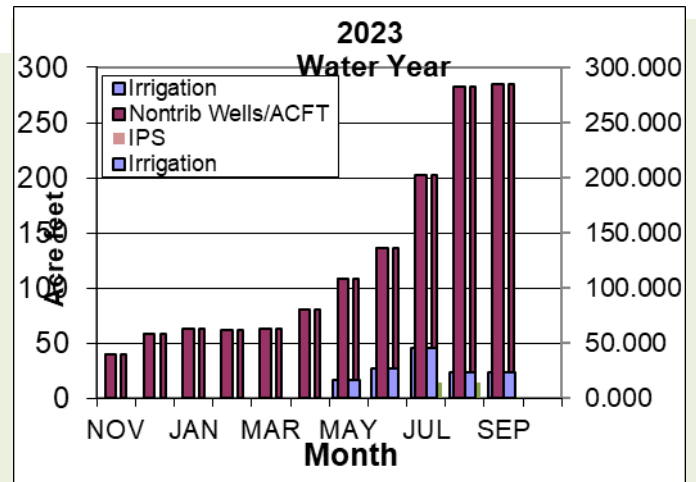
Monthly Precipitation **0.84** **1.94**

Water YTD Precipitation **7.55** **22.87**
Total MG/Water
Year **1,034.700** **577.190**

Water Year is from 11-1-2022 through 10-31-2023



YTD 6% Irrigation used



YTD 6% Irrigation used

Water treatment Plant – 92,960,000 gallons/month and the Daily Avg. = 61.96%, maximum day demand = 57.55% of capacity.

Filter rehabilitations are scheduled for this year.

Distribution System- Sept. 2023

All Water Samples taken for September are good.

IPS Pipeline – Transferred 0.0 MG in September -Normal Operation
(2023 water YTD transfer is 29.238 gallons to the district.)

Water Tanks – Normal Operation

Serena Drive PRV – Normal Operation

Monarch Blvd PRV – Normal Operation

Hidden point PRV – Normal Operation

Zone 4 BPS – Normal Operation

Meter Readings – Submitted 9-30-2023.

Fire Hydrants – Normal Operation

Water Mains – Normal Operation

Miscellaneous

Generators Water plant. Normal Operation

Work Orders – 71

Failed Inspections – 0.

Emergency call outs - 4

Non-payment shut-offs - 4.

Tag hangings – 47

Turn off and turn on (normal work orders) – 2.

Final and meter Re-reads – 17

Curb-stop valves/meter pit repairs – 6

Extra work-

Collection System

All lift station undergoing Kennedy Jenks review.

Lift station will be cleaned and checked every three months for any Maintenance items or needs this is on hold due to T-NORM testing for CDPHE.

Lift station # 1 -Normal Operation

Lift station # 2 -Normal Operation

Lift station # 3 – SSO reports and work to get information to CDPHE, (on going) . Normal Operation

Lift station # 4 -Normal Operation

Lift station # 5 – Normal Operation

Lift station # 6 –Normal Operation

Lift station #7 -Normal Operation

Lagae LS - New Ozone is getting installed and completed- Normal Operation