

## TOWN OF DISCOVERY BAY



### A COMMUNITY SERVICES DISTRICT

### **SDLF Platinum-Level of Governance**

President - Michael Callahan • Vice-President - Carolyn Graham • Director - Kevin Graves • Director - Bryon Gutow • Director - Ashley Porter

NOTICE OF THE REGULAR MEETING OF THE WATER AND WASTEWATER COMMITTEE OF THE TOWN OF DISCOVERY BAY Wednesday, March 6, 2024, 5:30 P.M.

**TO ATTEND IN PERSON:** The meeting will be held at the Community Center located at 1601 Discovery Bay Boulevard.

In addition to physical attendance at the address indicated above, the Town of Discovery Bay Community Services District is offering the following teleconferencing options as an alternative means for the public to participate in this meeting.

TO ATTEND BY ZOOM WEBINAR: https://us06web.zoom.us/j/81370654114

TO ATTEND BY PHONE: +1 (669) 444 9171 or +1 (719) 359 4580 WEBINAR ID: 813 7065 4114

Download Agenda Packet and Materials at <a href="http://www.todb.ca.gov/">http://www.todb.ca.gov/</a>

## Water and Wastewater Committee Members

Chair Kevin Graves Vice-Chair Ashley Porter

### A. ROLL CALL

- 1. Call business meeting to order 5:30 p.m.
- Roll Call.

### B. PUBLIC COMMENTS (Individual Public Comments will be limited to a 3-minute time limit)

During Public Comments, the public may address the Committee on any issue within the District's jurisdiction which is not on the Agenda. The public may comment on any item on the Agenda at the time the item is before the Committee for consideration. Any person wishing to speak will have 3 minutes to make their comment. There will be no dialog between the Committee and the commenter as the law strictly limits the ability of Committee members to discuss matters not on the agenda. We ask that you refrain from personal attacks during comment, and that you address all comments to the Committee only. Any clarifying questions from the Committee must go through the Chair. Comments from the public do not necessarily reflect the viewpoint of the Committee members.

#### C. DRAFT MINUTES TO BE APPROVED

1. Approve Water and Wastewater DRAFT Special Meeting minutes of February 21, 2024.

#### D. DISCUSSION

- Discussion and Possible Feedback Regarding the Upgrade to the Programmable Logic Controller of the Newport Lift Station.
- 2. Discussion and Possible Feedback Regarding Mobile Modular Designs for the New District Office.

### E. FUTURE DISCUSSION/AGENDA ITEMS

### F. ADJOURNMENT

 Adjourn to the next Standing Water and Wastewater Committee meeting on April 3, 2024, at the Community Center located at 1601 Discovery Bay Boulevard.

"This agenda shall be made available upon request in alternative formats to persons with a disability, as required by the American with Disabilities Act of 1990 (42 U.S.C. § 12132) and the Ralph M. Brown Act (California Government Code § 54954.2). Persons requesting a disability related modification or accommodation in order to participate in the meeting should contact the Town of Discovery Bay, at (925) 634-1131, during regular business hours, at least forty-eight hours prior to the time of the meeting."

"Materials related to an item on the Agenda submitted to the Town of Discovery Bay after distribution of the agenda packet are available for public inspection in the District Office located at 1800 Willow Lake Road during normal business hours."



## TOWN OF DISCOVERY BAY



### A COMMUNITY SERVICES DISTRICT

### **SDLF Platinum-Level of Governance**

President - Michael Callahan • Vice-President - Carolyn Graham • Director - Kevin Graves • Director - Bryon Gutow • Director - Ashley Porter

MINUTES OF THE SPECIAL MEETING
OF THE WATER AND WASTEWATER COMMITTEE
OF THE TOWN OF DISCOVERY BAY
Wednesday, February 21, 2024, 5:30 P.M.

### Water and Wastewater Committee Members

Chair Kevin Graves Vice-Chair Ashley Porter

### A. ROLL CALL

- Called business meeting to order 5:30 p.m.
- 2. Roll Call was taken, and all members were present including Director Porter who joined the meeting remotely due to a medical emergency.

### B. PUBLIC COMMENTS (Individual Public Comments will be limited to a 3-minute time limit)

• The speaker questioned if a dollar amount would be mentioned for the site survey. Director Graves stated that item is on today's agenda.

### C. DRAFT MINUTES TO BE APPROVED

1. Approve Water and Wastewater DRAFT Special Meeting minutes of January 17, 2024.

Vice-Chair Porter made a Motion to Approve the January 17, 2024 Draft Meeting Minutes. Chair Graves seconded.

Vote: Motion Carried - AYES: 2, NOES: 0, ABSTAINED: 0, ABSENT: 0

### D. <u>UPDATES</u>

None.

#### E. DISCUSSION

1. Discussion and Possible Feedback Regarding Mobile Modular Designs for the New District Office.

Presented by Josh Dean with Mobile Modular.

- Mobile Modular presented two options for new District Office Buildings.
- Option A was approximately 7000 ft<sup>2</sup> with a cost of approximately \$3,772,000.00. (\$399/ft<sup>2</sup>). This option is for the site next to the Community Center at 1601 Discovery Bay Blvd.
- Option B was approximately 5500 ft<sup>2</sup> with a cost of approximately \$2,290,000.00 (\$311/ft<sup>2</sup>). This option is for the site of the existing District Office Building on Willow Lake Road.
- · Both options are shown with 9ft. ceilings.
- Approximate costs include foundations but do *not* include site work.
- Committee would like to discuss options at the March 6<sup>th</sup> Water & Wastewater Committee.

2. Discussion and Possible Feedback Regarding Additional Security Camera Installation.

Presented by Assistant General Manager Allan Cantando.

- Committee tasked staff with researching security needs in the Town.
- Staff feels the Newport Water Treatment Plant needs additional security.
- Town currently contracts with Flock and Denalect for security.
- Committee would like staff to research additional security companies and products.

## F. FUTURE DISCUSSION/AGENDA ITEMS

None.

## G. <u>ADJOURNMENT</u>

1. Adjourned at 6:15p.m. to the next Standing Water and Wastewater Committee meeting on March 6, 2024, at the Community Center located at 1601 Discovery Bay Boulevard.



AGENDA ITEM: D1



# Town of Discovery Bay "A Community Services District" STAFF REPORT

Agenda Title: Discussion and Possible Feedback Regarding the Upgrade to the Programmable Logic Controller

of the Newport Lift Station.

Meeting Date: March 6, 2024

Prepared By: Aaron Goldsworthy, Water/Wastewater Manager

Submitted By: Dina Breitstein, General Manager

#### **RECOMMENDED ACTION:**

To Inform the Water and Wastewater Committee regarding the in-house lift station program annual upgrade of the Newport Lift Station "(LS)" Programmable Logic Controller "(PLC)."

#### **EXECUTIVE SUMMARY:**

The Town, along with Veolia, has been upgrading the district's lift station PLCs on an annual basis. The ongoing program upgrade project is being conducted in-house by Veolia. The lift station upgrades completed to date are D, E, F, J, and R. The next lift station to upgrade is the Newport LS.

The Newport LS is one of the district's largest lift stations. It receives flows from the Lakeshore development LS, The Lakes development LS's and the Bixler Dr. LS. The Newport LS takes the flow and pushes the wastewater to the Valve Station through a force main. The PLC installed at the Newport LS has limited its access from the SCADA system. The access is "view only." Upgrading the lift stations PLC allows remote access to control the pumps in the two wet wells. This also enables the operators to control and handle issues that arise more effectively, timely, and efficiently.

The District's Water and Wastewater Contractor, Veolia North America, is committed to continuing the lift station program upgrades. The decision to conduct the upgrades and improvements in-house was to reduce costs and to streamline the program project.

FISCAL IMPACT:	
\$89,500	
PREVIOUS RELEVANT BOARD ACTIONS FOR THIS ITEM: None.	

ATTACHMENTS:

None.

## **Custom Modular Solutions**

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- Cafeterias
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- Platforms, Ramps, Sidewalks
- Steps and Canopies
- Site Development
- Multiple Stories
- Customizable
- High-End Exterior and Interior Finishes









## **National Memberships & Affiliations**













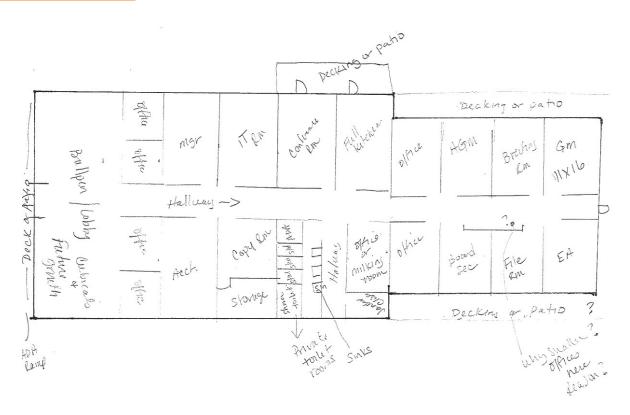
## Town of Discovery Bay Offices – Option A Placement on Site

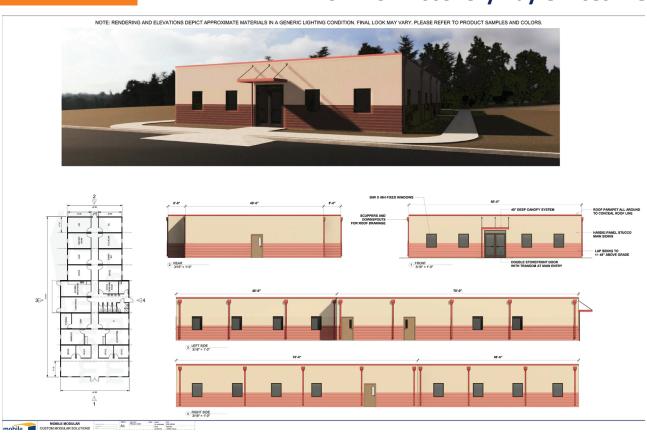


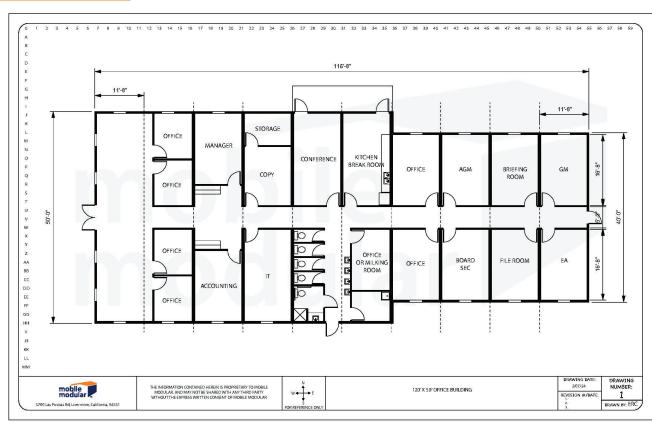
## **Town of Discovery Bay Offices – Developing Option B**



## **Town of Discovery Bay Offices – Developing Option B**











## Town of Discovery Bay Offices – Option A Placement on Site



## **Town of Discovery Bay Offices - Synopsis**



#### Town of Discovery Bay – New Town Modular Office Building - Project Synopsis

Project Goal:

To Provida a cost-affective, Turnkey Modular Solution, to include:
Architectural/Engineering/Modular design services, 100% Construction Drawings, Site preparation,
Parking lot development, Permitting, Utility connection, landscaping, hardscapes, Trallis/Awnings,
Itle safety systems, and Modular Building Dollvery and Installation to include exterior and interior
finishing, and furniture if required. Our goal is to provide a complete modular solution to fit your
need. All designs to be generated with ADA and Title-24 compliant considerations.

- Sequence of Events (Tentative & Non-Exhaustive)

  Design Contract Execution

  Design & Pre-Construction Phase (100% CDs)

  Evaluation + Planning + Municipality research + AHJ review

  Modular Building + Component Design
  - o Full Site (A/E)

  - Full Ste (A/E)
     Land Use Application
     Security Fencing & Sound Wall (if required)
     Life Safety
     MEP design
     Low Voltage design
     Foundation
     Landscaping + irrigation Design
     Permitting
     Res
- Permitting
   Ste Development & Prep
   Mobilization
   Ceneral Site Prep & Layout
   Construction entrance
   Tree protection
   Fencing as required
   Dust Protection
   Reaco Dumpsters and Construction equipment
   Pre- Con Meetings + Site Sefety + Site Supervision
   Demotition

MOBILE MODULAR MANAGEMENT CORPORATION

- o Demolition
- Clearing and Grubbing
- Contour grading
  Rotention / Detention installation
  Utility lateral routing
  Rough Grading



- Modular Foundation installation "Pit" Style
   Footings
   Stern Wall
   Access points
   Venitlation
   Moisture Protection
   Past Prevention
- Modular Delivery and Installation (some items are subject to power & water added to

- - Includes backfill and grading
     Low Voltage / Data Comm Installation
     Ufis Sarfay systems installation
     Paint Modular interior walls
     install Modular flooring
     Tarding / Constallation
     Hardscape installation
     Finish Grading
     Trallis / canopy installation
     Gutter installation
     Landscaping

- Gutter installation
   Lendscepfing
   Fencing and sound wall installation as required
   Substantial Completion
   Punch list and repair
   Final Cleaning
   Close out process & Documentation

MOBILE MODULAR MANAGEMENT CORPORATION



## Requirements

- The America's Water Infrastructure Act (AWIA) was signed into law on October 23, 2018, and is enforced by the U.S. Environmental Protection Agency (EPA). The AWIA requires community drinking water systems serving more than 3,300 people to develop a Risk and Resilience Assessment (RRA) to identify risks from malevolent acts and natural hazards within the water system. The EPA provided guidelines to cover the areas of assessment that are required in the AWIA.
- To comply with AWIA, an official from the District must sign the certification stating that the RRA was completed in accordance with AWIA, and the signed certification must be submitted to the EPA water resilience website before June 30, 2021.

## Requirements/Needs

- America's Water Infrastructure ACT Risk(s) (public accessibility to secure treatment process water & wastewater)
- Safety and Security (physical, doors, cameras, alarms, gates, -Cyber and natural hazard Safety and security)
- Sufficient staff space (privacy, conference rooms)
- Room for future growth
- Energy efficient & OSHA Compliant
- Existing Board Chamber issues (size, location, privacy)
- Storage space (files, plans, records, cyber security) fire safety

## **Building Option Listing**

- Option 1 Stay in the Existing Building
- Option 2 Leasing Rental Space
- Option 3 New Building
- Option 4 New Modular Building
- Option 5 Purchase New Property with Office Space
- Option 6 Remodel the Community Center
- Option 7 New Facility at Existing Site
- Option 8 Existing Building at Riverlake and DB Blvd

## Option 1 – STAY IN EXISTING BUILDING



## Viable Option?

REQUIREMENTS	MEETS	DOES NOT MEET
America's Water Infrastructure ACT Risk(s) (public accessibility to secure treatment process water & wastewater)		X
Existing Board Chamber issues (size, location, privacy)		X
Safety and Security (physical, doors, cameras, alarms, gates, - Cyber and natural hazard Safety and security)		X
Sufficient staff space (privacy, conference rooms)		X
Room for future growth		X
Energy efficient & OSHA Compliant		Χ
Storage space (files, plans, records, cyber security) fire safety		X

## PROS & CONS

PROS	CONS
N/A	Building is too small
	Insufficient heating and air (OSHA issues)
	Floor has holes (rotting)
	Walls and siding (rotting)
	Security Issues (employee safety, open water treatment plant)
	no room for growth
	Office location is difficult for vendors and residents to find
	Infrastructure Growth (space needed) water tanks and Filters
	Lacks parking

## Option 2 – LEASING RENTAL SPACE

LAKEVIEW BUSINESS PLAZA

Square footage available to lease - 2,284

Terms – month to month



## Option 2 – LEASING RENTAL SPACE

HOFMANN SHOPPING CENTER

Square footage available to lease – 2,200 or 4,800

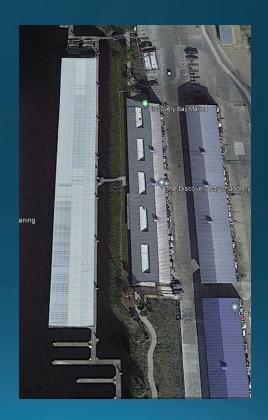
Terms – month to month, long term option only if the Tenant brings unit up to current building codes



## Option 2 – LEASING RENTAL SPACE

MARINA BOARDWALK

Square footage available to lease – no space currently available



## Viable Option?

REQUIREMENTS	MEETS	DOES NOT MEET
America's Water Infrastructure ACT Risk(s) (public accessibility to secure treatment process water & wastewater)	X	
Existing Board Chamber issues (size, location, privacy)		X
Safety and Security (physical, doors, cameras, alarms, gates, - Cyber and natural hazard Safety and security)		×
Sufficient staff space (privacy, conference rooms)	At some locations (will need to construct)	X
Room for future growth		X
Energy efficient & OSHA Compliant	At some locations	
Storage space (files, plans, records, cyber security) fire safety	At some locations	

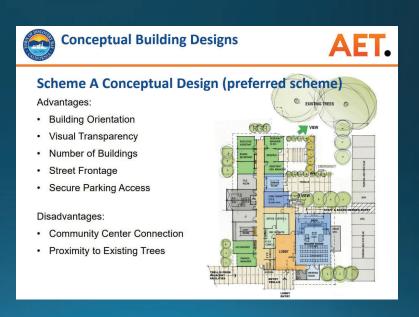
## Option 3 – NEW BUILDING

Location – COMMUNITY CENTER PROPERTY



# AETypic Contracted to Provide Three Design Concepts

Concept A was the preferred scheme



## Viable Option?

REQUIREMENTS	MEETS	DOES NOT MEET
America's Water Infrastructure ACT Risk(s) (public accessibility to secure treatment process water & wastewater)	Χ	
Existing Board Chamber issues (size, location, privacy)	X	
Safety and Security (physical, doors, camera's, alarms, gates, - Cyber and natural hazard Safety and security)	X	
Sufficient staff space (privacy, conference rooms)	X	
Room for future growth	Χ	
Energy efficient & OSHA Compliant	Χ	
Storage space (files, plans, records, cyber security) fire safety	X	

## PROS & CONS

PROS	CONS
Meets necessary requirements	Cost Estimate at \$13M +/-

## Option 4 – NEW MODULAR BUILDING

Location – COMMUNITY CENTER PROPERTY

Contacted design company

Picture is only an example (notTODB design)



#### Option 4

- Enviroplex, Inc. our of Stockton California. Enviroplex specializes in pre-fabricated modular buildings.
- In order to start the project, TODB would need to have an architect draw up plans and have them approved through the local reviewing agency, Contra Costa County.
- Once approved and Enviroplex accepts our project, it is approximately 14-16 weeks to get the building fabricated, brought to site, and have it constructed.
- We would need a General Contractor to trench for Gas, Electric, low voltage etc.
- They have different ceiling options to include a standard 9 ft. ceiling as well as a vaulted ceiling, and a ridgeline ceiling option.
- For the construction costs, we should anticipate approximately \$400-\$425 a sq. foot.
- The above cost includes a concrete foundation, or we could go through a General Contractor and have the General Contractor company provide the foundation if the price was lower than what Enviroplex would charge.
- There are other costs for this option as well, architecture plans, parking lot, permitting, construction management etc..

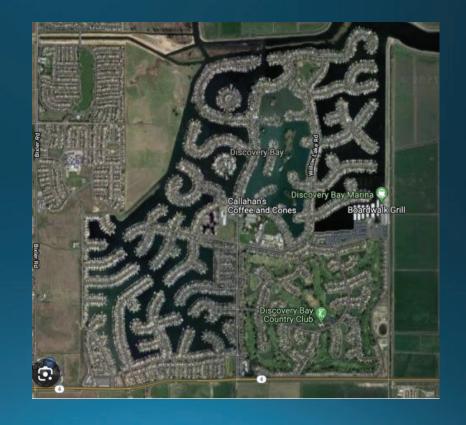
REQUIREMENTS	MEETS	DOES NOT MEET
America's Water Infrastructure ACT Risk(s) (public accessibility to secure treatment process water & wastewater)	Χ	
Existing Board Chamber issues (size, location, privacy)	Potentially meets	
Safety and Security (physical, doors, cameras, alarms, gates, - Cyber and natural hazard Safety and security)	Potentially meets	
Sufficient staff space (privacy, conference rooms)	Potentially meets	
Room for future growth	Potentially meets	
Energy efficient & OSHA Compliant	Χ	
Storage space (files, plans, records, cyber security) fire safety	Potentially meets	

#### Option 5 – PURCHASE NEW PROPERTY WITH OFFICE SPACE

Location – SHOPPING CENTER IN DISCOVERY BAY

Purchase price \$6.4M +/Square footage – approx. 38,000
Leases would pay mortgage

Existing Tenants 9 – Working with Legal on TODB landlord requirements



REQUIREMENTS	MEETS	DOES NOT MEET
America's Water Infrastructure ACT Risk(s) (public accessibility to secure treatment process water & wastewater)	Χ	
Existing Board Chamber issues (size, location, privacy)	X	
Safety and Security (physical, doors, cameras, alarms, gates, - Cyber and natural hazard Safety and security)	Few added upgrades to meet	
Sufficient staff space (privacy, conference rooms)	Χ	
Room for future growth	Χ	
Energy efficient & OSHA Compliant	Χ	
Storage space (files, plans, records, cyber security) fire safety	X	

PROS	CONS
Meets all required needs	TODB Landlord (hire management co to mitigate any issues)

#### Option 5 – PURCHASE NEW PROPERTY WITH OFFICE SPACE

Location – DIRT LOT ACROSS FROM THE COMMUNITY CENTER

Option is no longer available – property under contract



# Option 6 – REMODEL THE COMMUNITY CENTER

Location – COMMUNITY CENTER PROPERTY

Quote from AET to provide cost estimate and potential design concept. Move forward with quote?

More to come on this option (called AET, waiting on return call of expected design turnaround)



REQUIREMENTS	MEETS	DOES NOT MEET
America's Water Infrastructure ACT Risk(s) (public accessibility to secure treatment process water & wastewater)	X	
Existing Board Chamber issues (size, location, privacy)	More information required	
Safety and Security (physical, doors, cameras, alarms, gates, - Cyber and natural hazard Safety and security)	More information required	
Sufficient staff space (privacy, conference rooms)	More information required	
Room for future growth	More information required	
Energy efficient & OSHA Compliant	More information required	
Storage space (files, plans, records, cyber security) fire safety	More information required	

PROS	CONS
Need more information	Need more information

# Option 7 – NEW FACILITY AT EXISTING SITE

Location –WILLOW LAKE ROAD

Tight space for parking and chemical deliveries

Open to the public – Opens up for potential for accidental or malevolent activity

New facility construction needed water tank, larger filters.



REQUIREMENTS	MEETS	DOES NOT MEET
America's Water Infrastructure ACT Risk(s) (public accessibility to secure treatment process water & wastewater)		X (not enough space to gate off)
Existing Board Chamber issues (size, location, privacy)		X
Safety and Security (physical, doors, cameras, alarms, gates, - Cyber and natural hazard Safety and security)		Х
Sufficient staff space (privacy, conference rooms)	Potentially Meets	
Room for future growth		Χ
Energy efficient & OSHA Compliant	X	
Storage space (files, plans, records, cyber security) fire safety		X

# Option 7a – NEW FACILITY AT EXISTING SITE

Location –WILLOW LAKE ROAD

Tight space for parking and chemical deliveries

Closed to the public – to prevent the potential for accidental or malevolent activity, causes inefficient workflow and problem resolution.

New facility construction needed: water tank, larger filters.



REQUIREMENTS	MEETS	DOES NOT MEET
America's Water Infrastructure ACT Risk(s) (public accessibility to secure treatment process water & wastewater)	X	
Existing Board Chamber issues (size, location, privacy)		Х
Safety and Security (physical, doors, cameras, alarms, gates, - Cyber and natural hazard Safety and security)		×
Sufficient staff space (privacy, conference rooms)	Potentially Meets	
Room for future growth		Χ
Energy efficient & OSHA Compliant	X	
Storage space (files, plans, records, cyber security) fire safety	Х	

PROS	Challenges/CONS
Cost Effective	Not enough parking – due to the new filter tank(s) project, chemical deliveries, construction repairs, trash pick up, and deliveries.
Provides safe environment for staff and personnel	On site of the Districts largest and most productive well -No room for plant expansion if needed
Provides workspace for future growth	Limited room for future growth
Provides plant security	No residential persons on location, all inquiries or issues would be by appointment only.
	Would need to remodel the Community Center to included: office space, receptionist area, separation of board room from open common area – touching the cc could trigger new building code upgrades. Adds to the cost increase.
	Would cause workflow inefficiencies – billing inquiries resolution, no manager onsite, problem-solving, and conflict resolution will take longer as staff is spread in separate locations.
	Potentially burdensome to future staff
	Customer/Resident unfriendly. Potential to reputational risk and poor customer relations
	Would need temporary office space while the site work is being conducted

#### Option 8 – EXISTING BUILDING AT RIVERLAKE AND DB BLVD.

Location – CORNER OF DB BLVD AND RIVERLAKE ROAD

Purchase Price – N/A

Square footage or building layout– N/A



REQUIREMENTS	MEETS	DOES NOT MEET
America's Water Infrastructure ACT Risk(s) (public accessibility to secure treatment process water & wastewater)	X	
Existing Board Chamber issues (size, location, privacy)		X
Safety and Security (physical, doors, cameras, alarms, gates, - Cyber and natural hazard Safety and security)	Potentially meets	
Sufficient staff space (privacy, conference rooms)		x Limited
Room for future growth		x Limited
Energy efficient & OSHA Compliant	More information required	More information required
Storage space (files, plans, records, cyber security) fire safety	More information required	More information required

PROS	CONS
Moves us from current location	Not enough parking
	Building's location
	Limited room for future growth
	Tenants renting space

# Committee Recommendation of Non-Viable Options

• Options # 1, 2, 7 and 8 — Committee Recommendation to Eliminate Options 1,2,7 & 8 at the August 16, 2023, Special Water & Wastewater Committee Meeting.

### Board Decisions of Non-Viable Options

• Options # 1,2,7 and 8 – Eliminated by the Board of Directors at the September 6, 2023, Board Meeting.

### Eliminated Non-Viable Options

- Options Number:
- Option 1 Stay in the Existing Building
- Option 2 Leasing Rental Space
- Option 7 New Facility at Existing Site
- Option 8 Existing Building at Riverlake and DB Blvd