



**WESTMINSTER**  
COLORADO

**WATER2025**

Design Working Group Meeting 6

Tuesday, May 4, 2021

# Agenda

1. Welcome: 11:35
2. Project Updates: 11:40 – 11:50
3. Reset Button on Solids Handling and Site Plan: 11:50 – 12:20
4. Architecture Discussion: 12:20 – 12:45
5. Public Outreach Discussion: 12:45 – 12:55
6. Next Steps: 12:55
7. Meeting Ends: 1:00

# Welcome

- Thank you for your continued patience
- Recording meeting for group members that can't attend
- Will be following up with a recording of the meeting
- Any issues? Don't hesitate to let us know

# Things to keep in mind:

- Stay focused on design and appearance
- We aren't able to incorporate feedback on operational aspects
- Things will likely change and evolve

# 2022 Water Rate Update

- City Council received Staff's recommendations for 2022 water and sewer rates on March 15<sup>th</sup>. Staff will recommend adoption in May/June.
- Proposed rates would add a little over \$4 per month to the average water user's bill.
- WATER2025 is the highest priority project for the City.
- Staff incorporated a series of financial policy changes into the 2022 rate recommendation process, which resulted in over \$700 million of savings over the next 20 years.
- More rate information and a survey are on the City's site. Please participate: [www.westywaterrates.us](http://www.westywaterrates.us).

# Water 2025 Project Updates

- Preliminary Design is approximately 30% complete. On-track to complete a report to submit to the State this summer.
- Met with potential General Contractors, will be developing a Request for Proposals (RFP) for pre-construction services
- Finished water line design proposals currently being reviewed
- Signage installed on Westminster Boulevard this week



# Questions Check-in

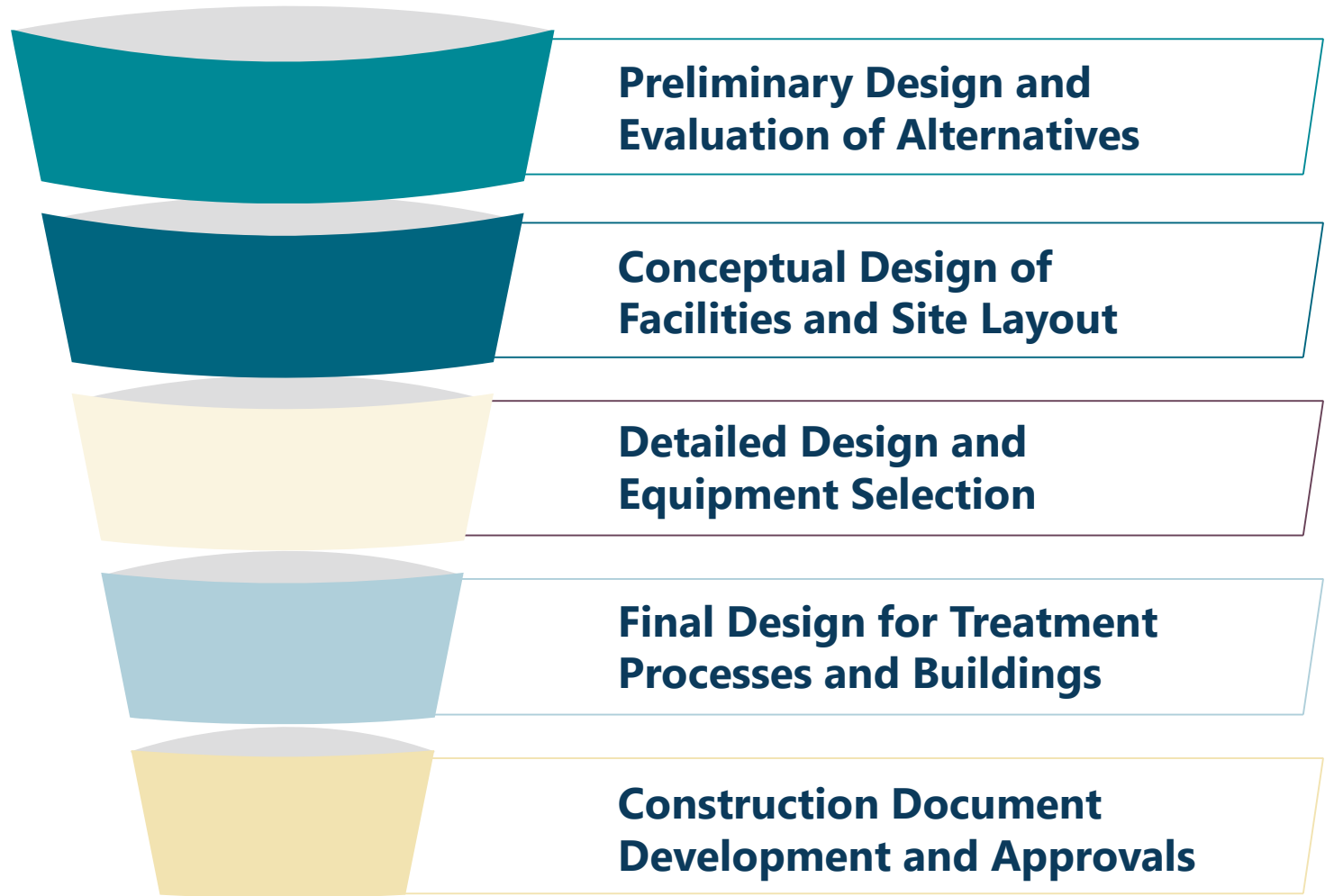
# Reset Button

Solids Handling and Site Plan




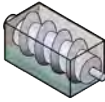



# Reset Button – Solids Handling & Plant Operations

- The New Water Treatment Facility needs both lagoons and mechanical solids handling
- Discussions will now focus on engineered basins vs lagoons
- Discussions with you will now include talking about screening
- Use of technology – drone flight at roofline heights to assist us with design and how it will look from residents' viewpoint

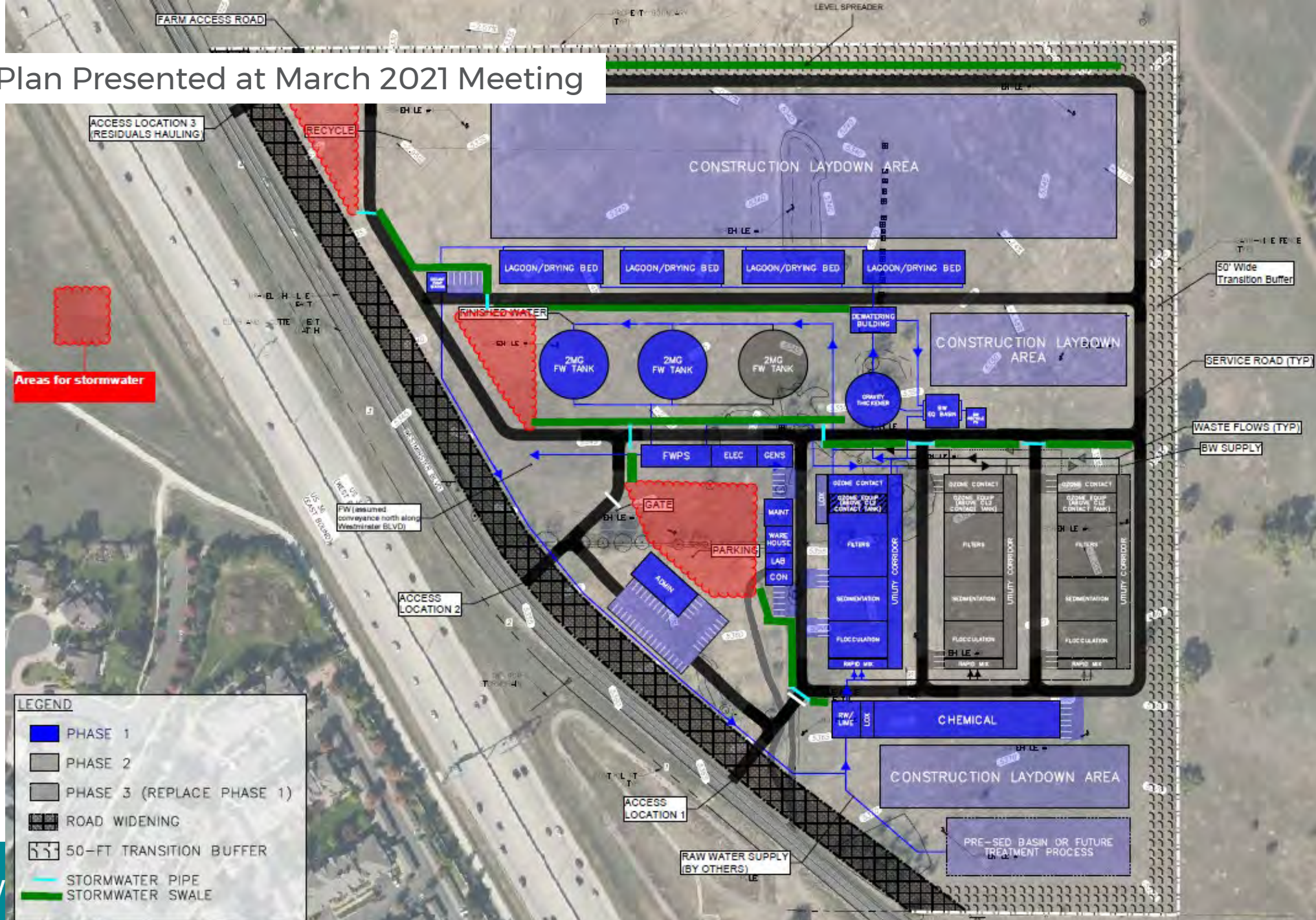


# Typical Engineering Design Process

# Alternatives Comparison

Facility	Drying Basins	Mechanical Dewatering	Gravity Thickener & Drying Basins	Gravity Thickening & Mechanical Dewatering	Recommended Approach
					
Drying Bed Area	13 acres	-	8.3 acres	-	3 acres
Can this fit on the current site?	✗	✓	✗	✓	✓
Meet Catastrophic Conditions?	✓	✗	✓	✓	✓
Additional Operational Scenarios? (Overflows, equipment failure, plant startup)	✗	✗	✗	✗	✓
<b>Total Residuals Handling Construction Cost</b>	<b>\$18,000,000</b>	<b>Not Viable</b>	<b>\$15,000,000</b>	<b>\$10,000,000</b>	<b>\$13,000,000</b>

# Site Plan Presented at March 2021 Meeting



## Current, draft, site plan

### What is different?

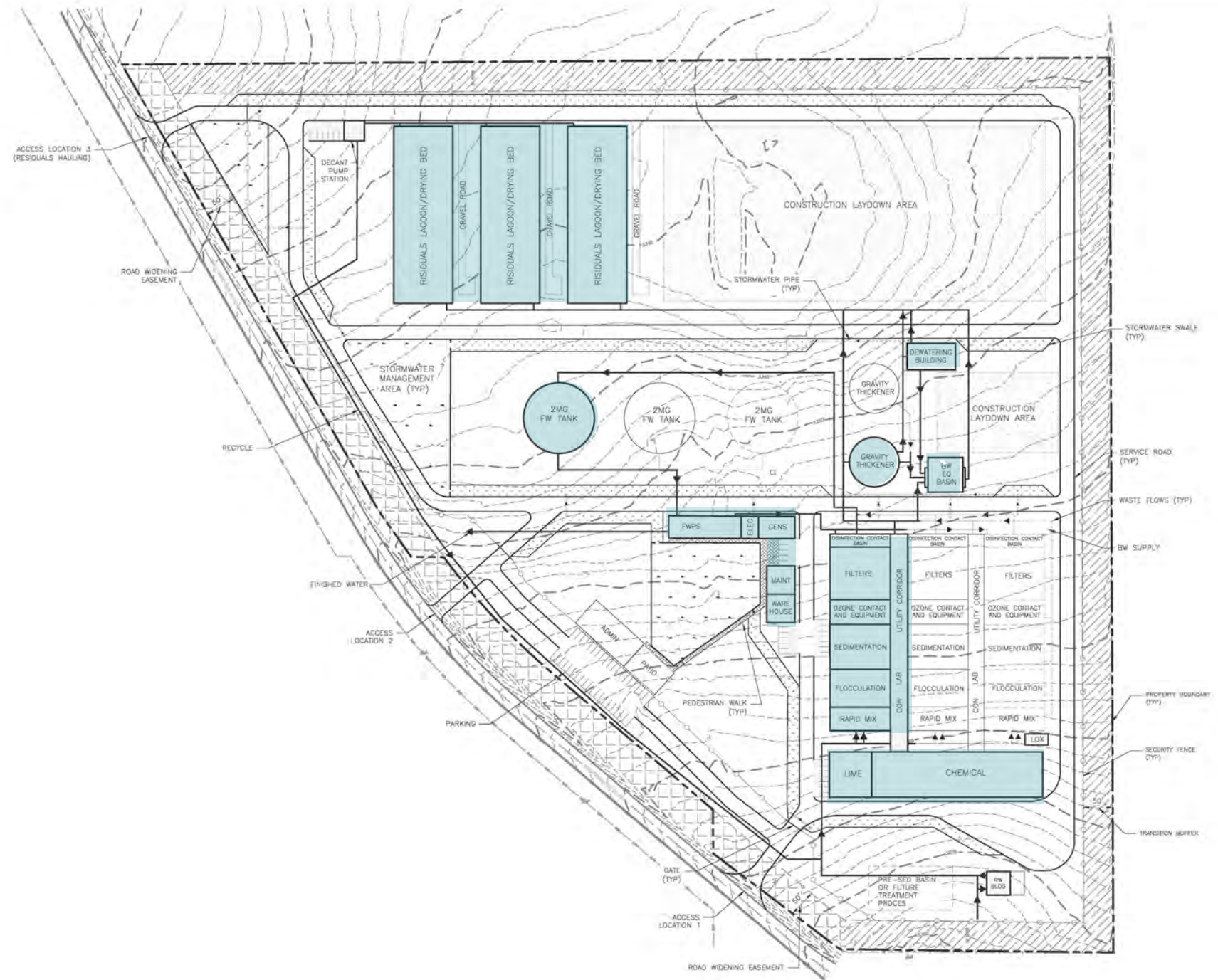
Basins are shown running north-south

Construction staging in north-east corner of site

One Finished Water storage tank instead of two for Phase 1

### What is the same?

Phase 2 shown in white



# Comments and Discussion

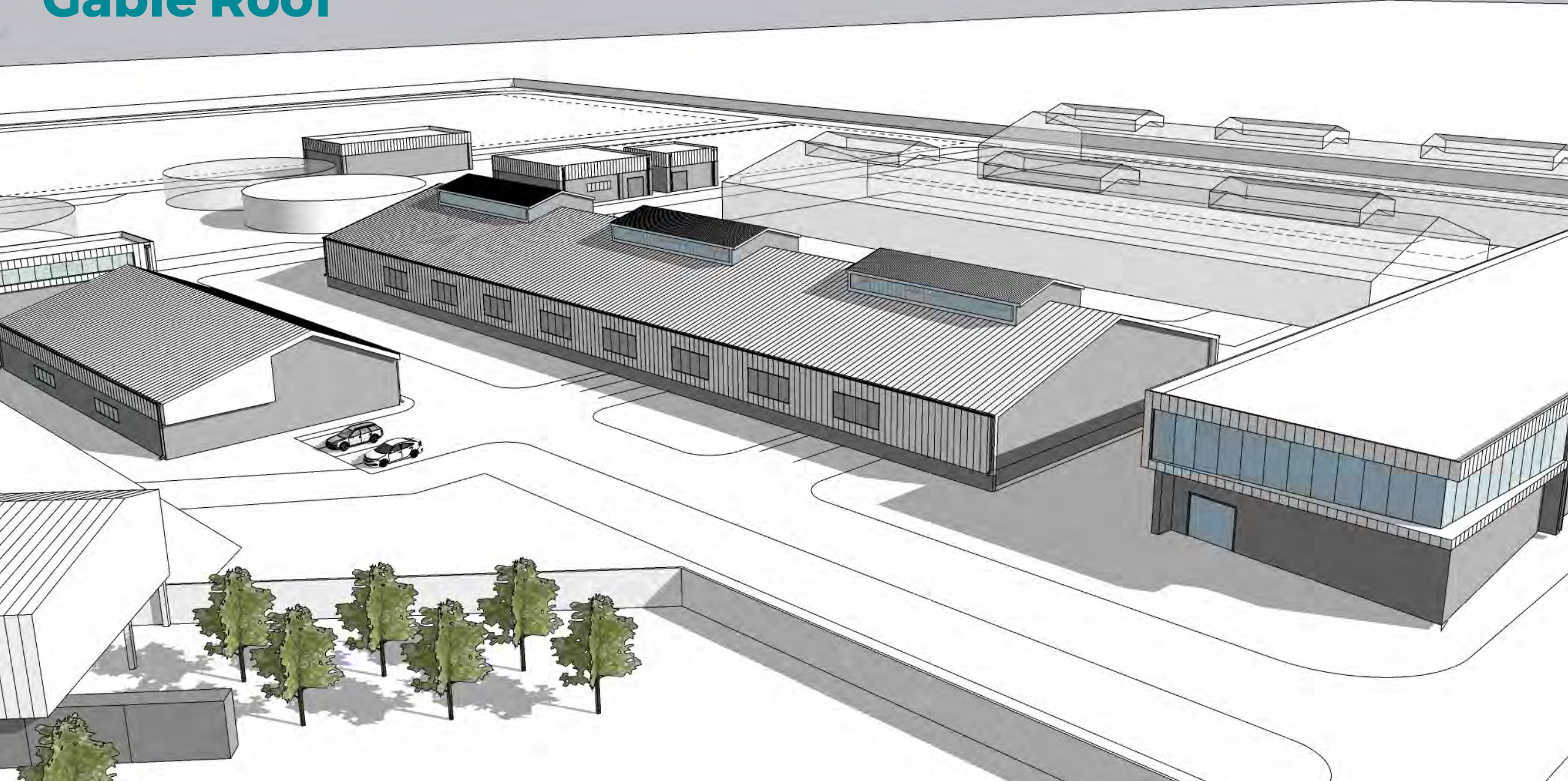
- Thoughts from the group?

# Architecture

# Building Shapes Presented in March



# Gable Roof



# Shed Roof



# Sawtooth Roof



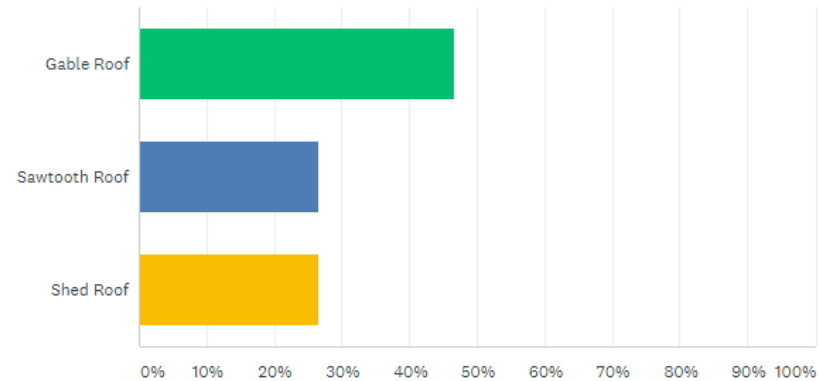
# Survey Results

Building Shapes Presented in March

# Survey Results

Three architectural forms were presented at the March 2 meeting. Please select your most preferred form below. Differences in efficiency, natural lighting and other aspects are minimal between the three forms.

Answered: 15 Skipped: 0

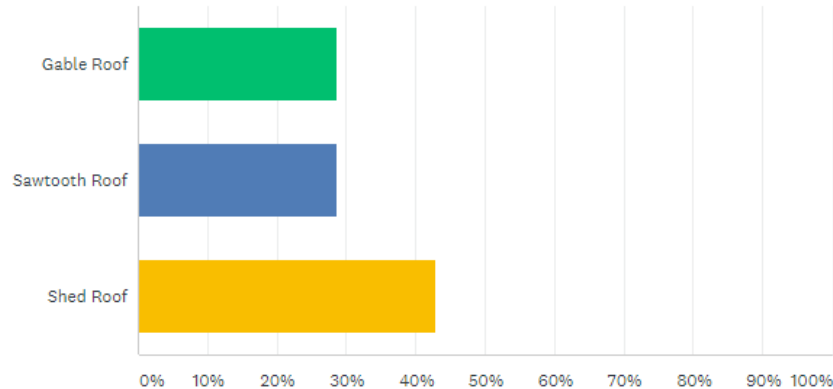


ANSWER CHOICES	RESPONSES
▼ Gable Roof	46.67% 7
▼ Sawtooth Roof	26.67% 4
▼ Shed Roof	26.67% 4
TOTAL	15

# Survey Results

Three architectural forms were presented at the March 2 meeting. Please select your second most preferred form below. Differences in efficiency, natural lighting and other aspects are minimal between the three forms.

Answered: 14 Skipped: 1



ANSWER CHOICES	RESPONSES
▼ Gable Roof	28.57% 4
▼ Sawtooth Roof	28.57% 4
▼ Shed Roof	42.86% 6
TOTAL	14

# Survey Results



The off-set front door was not appealing. I personally prefer the door being center especially if groups are gathering to tour. To be perfectly honest the off-set door seems to mirror a trailer. It could just be the rendering but that was how it seemed to me. Thanks for listening.

3/19/2021 10:41 AM

[View respondent's answers](#)

[Add tags](#) ▼

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shed roof is rather ugly and looks soooooo industrial

3/19/2021 10:17 AM

[View respondent's answers](#)

[Add tags](#) ▼

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I am strongly preferring the shed roof since it seems to give the best possibilities for both lighting and an option for later addition of solar panels

3/16/2021 12:00 PM

[View respondent's answers](#)

[Add tags](#) ▼

# Survey Results



It looks like the photo has a combination of roof styles which I think looks very good.

3/12/2021 12:52 PM

[View respondent's answers](#)

[Add tags](#) ▼



Hate the pre fab metal look on upper part of buildings. None of the forms look good with that. REALLY looks like a garage. I would abstain before I would vote for the metal buildings.

3/8/2021 10:45 PM

[View respondent's answers](#)

[Add tags](#) ▼



Needs to be solar ready or geo thermal capable

3/8/2021 1:08 PM

[View respondent's answers](#)

[Add tags](#) ▼



## Previous Guidance:

- Enhanced native landscaping in front of facility
- Native landscaping behind the facility's fence
- Tan or natural colored fencing
- Stone / light colored façade

# Option 1: Light Natural Color

Concrete blocks and metal siding, metal and membrane (flat) roofs.





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TREATMENT FACILITY

REFINERY BUILDING

GENERAL BUILDING

HEADWORKS BUILDING

## **Option 2: Medium Natural Color**

Concrete blocks and metal siding, metal and membrane (flat) roofs.





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TREATMENT FACILITY

CHEMICAL BUILDING

HEADWORKS BUILDING

## **Option 3: Brick and Stone Natural Color**

Brick and stone siding, metal and membrane (flat) roofs.







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PUMP BUILDING

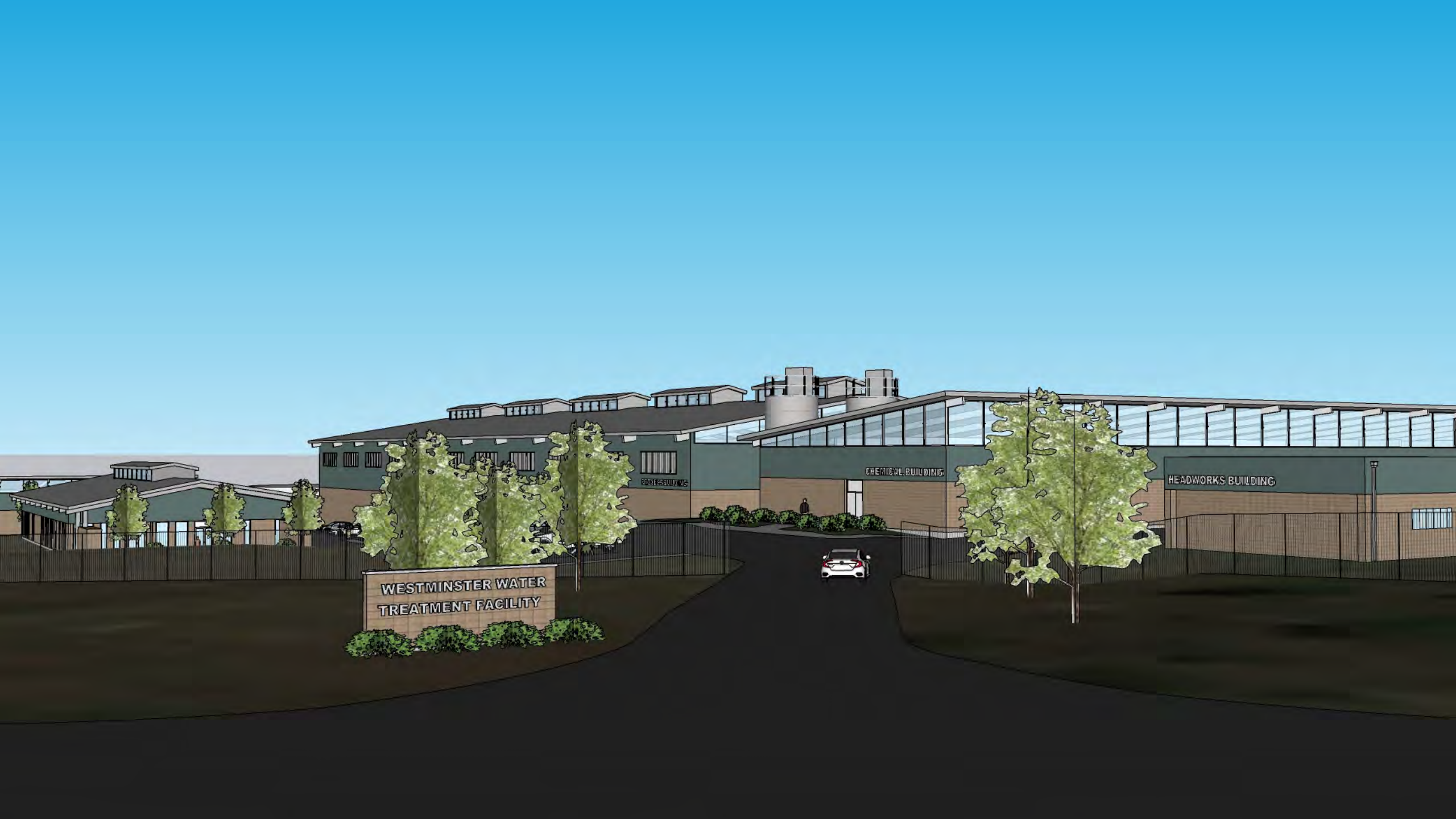
CHEMICAL BUILDING

HEADWORKS BUILDING

## **Option 4: Vertical Metal Panels Natural Color**

Stacked concrete blocks and vertical metal siding, metal and membrane roofs.





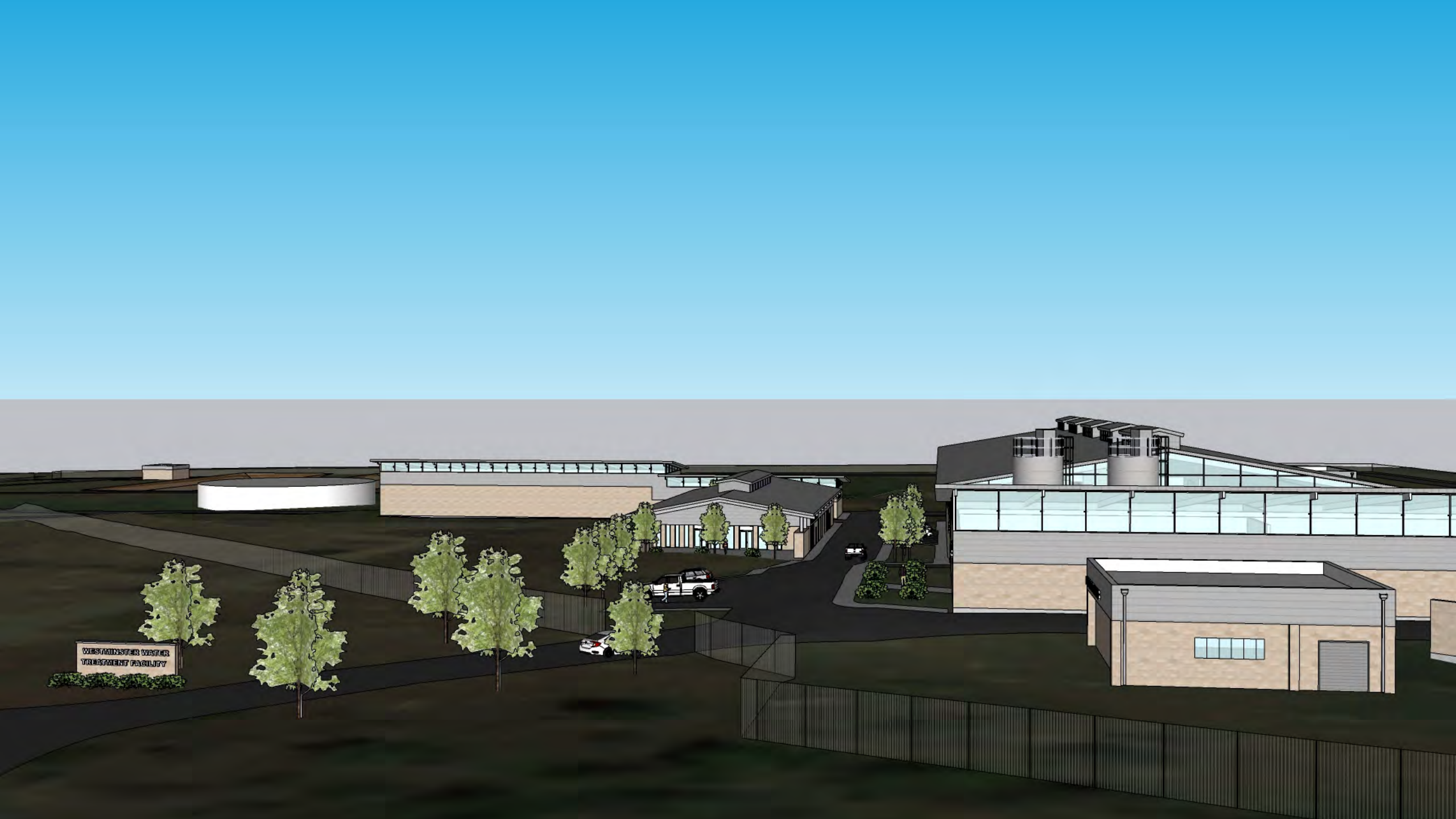
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CHEMICAL BUILDING

HEADWORKS BUILDING

# Additional Perspectives

Looking north from Westminster Blvd.



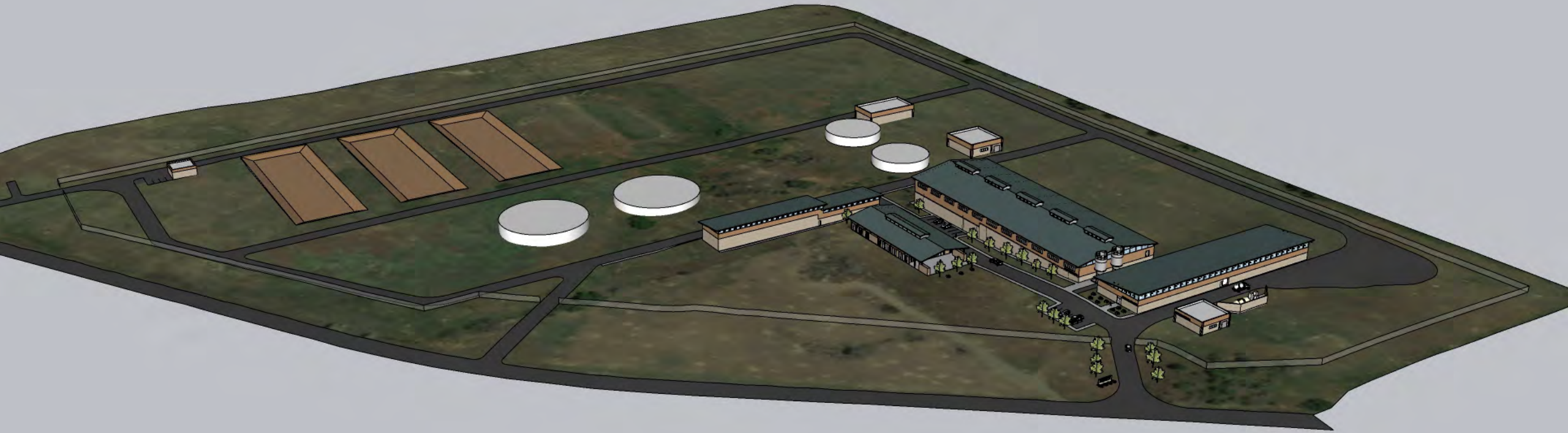
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# Additional Perspectives

Bird's eye view







# Discussion

What feedback do you have on the concepts?

Are the concepts ready to be shared with the public? If not, what is needed?

Other comments and questions?

Survey to follow

# Public Outreach and Next Steps Discussion

# Public Outreach

- Timing: ~~Summer 2021~~ Fall or Winter 2021/2022
- Education and Input
  - Project overview – What is WATER2025?
  - Design concepts
  - Project next steps
  - DWG participation
- Sub-group meets before meetings?
  - Who to reach out to and how
  - Presentation materials
  - Meeting format

# Next Steps

- Will follow up with recording of meeting and survey
- Next meeting timing
  - 1 to 2 Months: Drone sightline analysis
  - Approximately 6 months: Next stage of concepts
- Feel free to call or email any of us