

SFWMD Program and Project Update

South Florida Ecosystem Restoration Task Force
Working Group/ Science Coordination Group Meeting

May 19, 2021

Megan Jacoby, Principal Federal Policy Analyst
Ecosystem Restoration & Capital Projects

Restoration Projects

➤ State Projects

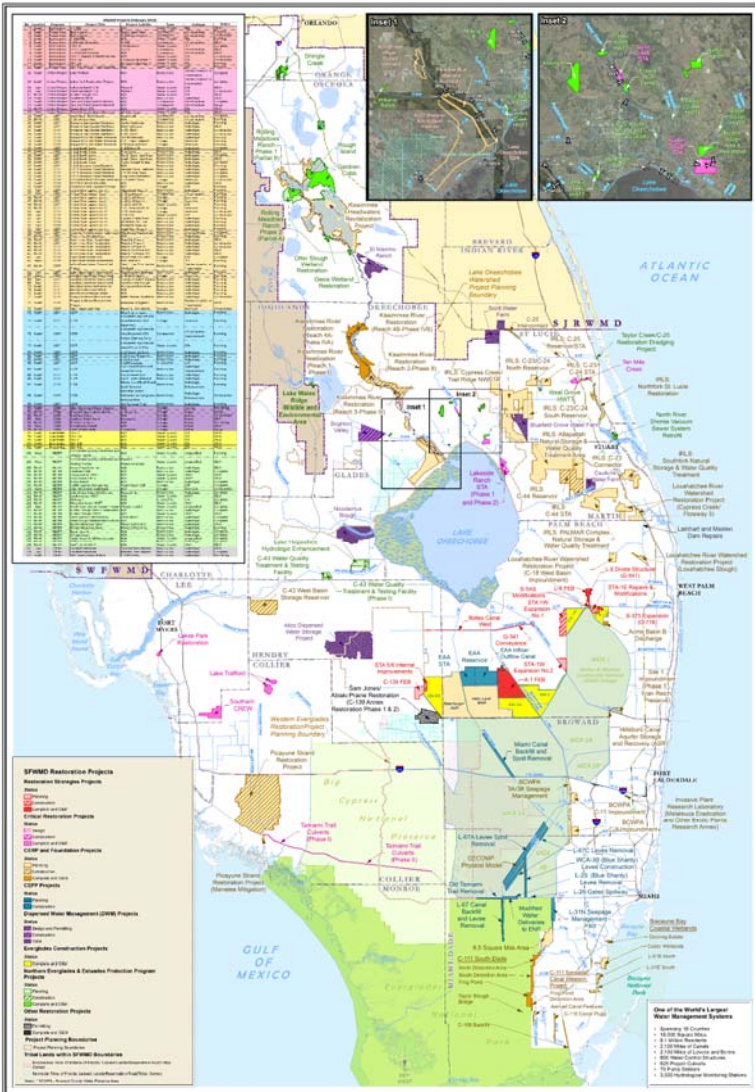
- Restoration Strategies Program
- Everglades Construction Project
 - STAs
- Northern Everglades and Estuaries Program
 - Dispersed Water Management

➤ Federal Projects

- South Florida Ecosystem Restoration Program
 - CERP and non-CERP

<https://sfwmd.maps.arcgis.com/apps/MinimalGallery/index.html?appid=1fac32f199240b49a326432258c102f>

Presenter – Megan Jacoby



Focus on Restoration

- Improve water quality, reduce discharges and send water south
 - Storage
 - Treatment
 - Operational flexibility
- Increase monitoring and pollution control
- Coastal resiliency
- Exotic species control

Storage North

- Lake Okeechobee Watershed Restoration Project
 - Aquifer Storage and Recovery (ASR) well program
 - Phased evaluation, implementation and monitoring
 - Science plan



Storage East and West

➤ C-44 Reservoir

- STA completed January 2021



➤ C-43 Reservoir Completion - 2023

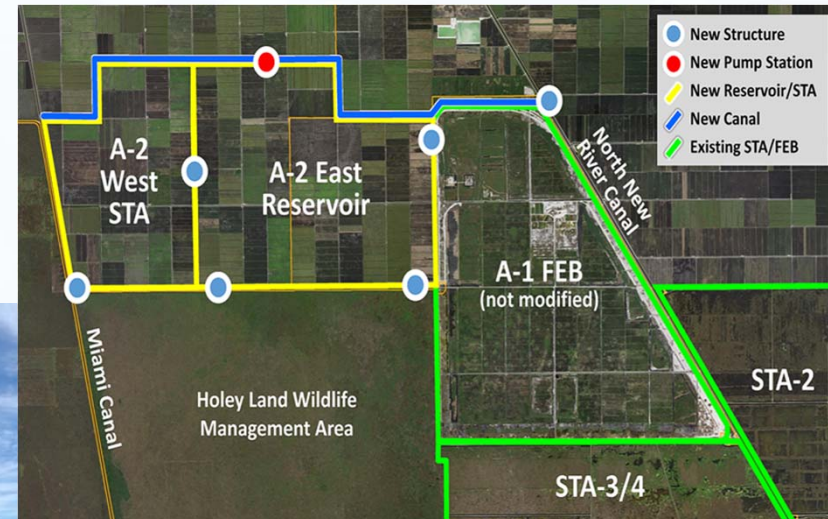


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Storage South

Everglades Agricultural Area Reservoir

- Site Activity:
 - Canal Conveyance Improvements
 - Preliminary design report
 - Inflow/Outflow Canal site preparation
 - Canal excavation
- Project Partnership Agreement executed April 30, 2021
- Agency coordination with FPL and USACE



Treatment

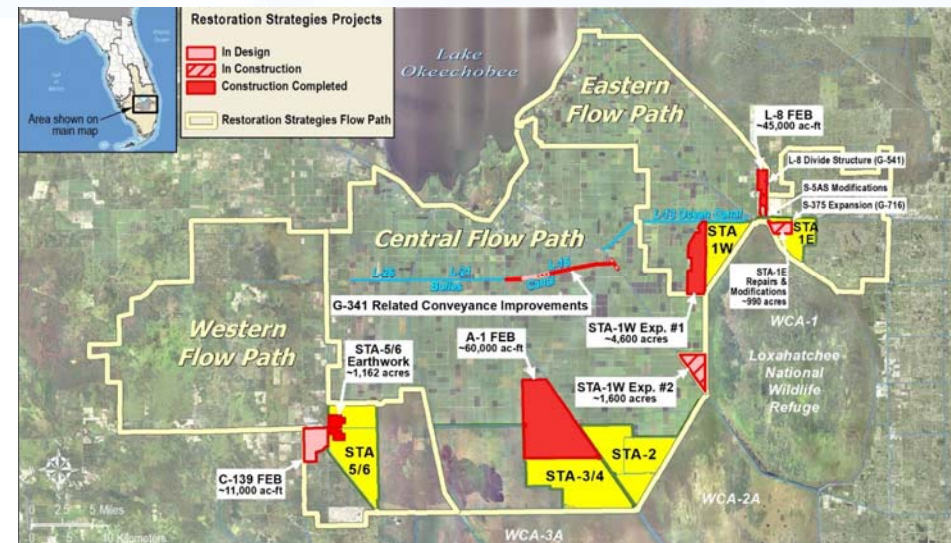


- EAA Stormwater Treatment Area
 - Completion expected - 2023
 - Blasting and excavation of Inflow/Outflow initiated August 2020
 - STA cell construction began May 2021



Treatment

- 57,000 acres of STAs
 - Additional 6,500 acres through Restoration Strategies
- ~1,000,000 ac-ft treated
- ~80% phosphorus reduction



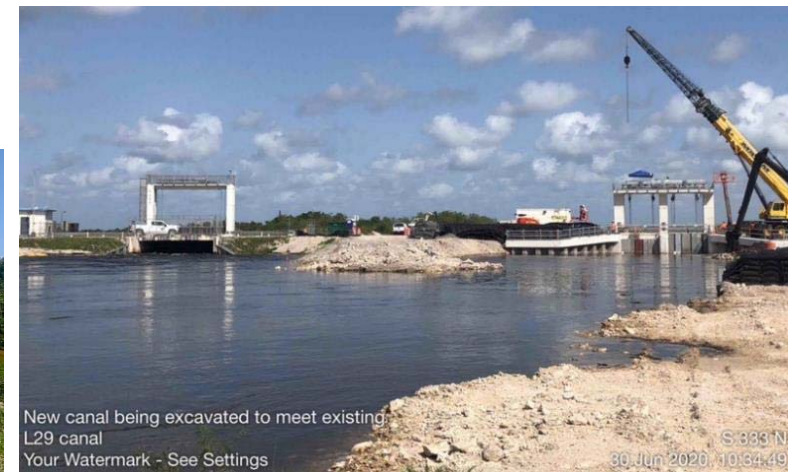
Restoration Strategies Program and Stormwater Treatment Area Enhancement Update May 2021

EASTERN FLOW PATH			CENTRAL FLOW PATH		
STA-1W Expansion #2 (100864)			G-341 Related Conveyance Improvements (100802)		
Activity	Deadline		Activity	Deadline	
Complete land acquisition	3/31/2018	✓	Initiate design	10/1/2020	✓
Initiate design	10/1/2018	✓	Submit state and federal permit applications	8/1/2021	✓
Submit state and federal permit applications	8/1/2019	✓	Complete land acquisition (if required)	9/30/2021	✓
Complete design	7/31/2020	✓	Complete design	7/31/2022	✓
Initiate construction	11/30/2020	✓	Initiate construction	11/30/2022	✓
Construction status report	3/1/2021	✓	Construction status report	3/1/2023	✓
Construction status report	3/1/2022	✓	Construction status report	3/1/2024	✓
Complete construction	12/31/2022	✓	Complete construction	12/31/2024	✓
Initial flooding and optimization period complete	12/31/2024	✓			
STA-1W Expansion #1 (100818)			L-8 Divide Structure (100817)		
Activity	Deadline		Activity	Deadline	
Complete land acquisition	9/30/2013	✓	Initiate design	10/1/2012	✓
Initiate design	9/30/2013	✓	Complete design	9/30/2014	✓
Submit state and federal permit applications	7/30/2014	✓	Initiate construction	10/1/2016	✓
Complete design	7/30/2015	✓	Complete construction	9/30/2018	✓
Initiate construction	1/31/2016	✓			
Construction status report	3/1/2017	✓	COMPLETE		
Construction status report	3/1/2018	✓			
Complete construction	12/31/2018	✓	COMPLETE		
Initial flooding and optimization period complete	12/31/2020	✓			
STA-1E Repairs and Modifications			S-5AS Modifications (100822)		
Activity	Deadline		Activity	Deadline	
PSTA Decommissioning complete	12/31/2022	✓	Initiate design	10/1/2012	✓
Culvert repairs complete	12/31/2022	✓	Complete design	9/30/2014	✓
Call 5 and 7 Improvements complete	12/31/2022	✓	Initiate construction	10/1/2014	✓
			Complete construction	9/30/2016	✓
L-8 FEB (100813)			S-375 Expansion (100819)		
Activity	Deadline		Activity	Deadline	
Submit state and federal permit applications	1/31/2014	✓	Initiate design	9/30/2013	✓
Construction status report	3/1/2014	✓	Complete design	7/30/2015	✓
Construction status report	3/1/2015	✓	Initiate construction	1/31/2016	✓
Complete construction (begin multi-purpose ops)	12/31/2016	✓	Complete construction	12/31/2018	✓
Long term operations commence	12/31/2022	✓			
			LEGEND Flow Equalization Basin Stormwater Treatment Area Conveyance Improvement ✓ Complete		
STA-2 Expansion: Compartment B			A-1 FEB (100706)		
Activity	Deadline		Activity	Deadline	
Initial flooding and optimization period complete	5/31/2014	✓	Initiate design	4/1/2012	✓
COMPLETE			Submit state and federal permit applications	12/1/2012	✓
			Design status report	3/1/2013	✓
			Complete design	8/1/2013	✓
			Initiate construction	6/30/2014	✓
			Construction status report	3/1/2015	✓
			Construction status report	3/1/2016	✓
			Complete construction	7/30/2016	✓
			Operational monitoring and testing period complete	7/29/2018	✓
			COMPLETE		
WESTERN FLOW PATH					
STA-5/6 Internal Improvements (100868)					
Activity	Deadline		Activity	Deadline	
Initiate design	10/31/2019	✓	Submit state and federal permit applications	8/30/2020	✓
Submit state and federal permit applications	8/30/2020	✓	Complete design	10/31/2021	✓
Complete design	10/31/2021	✓	Initiate construction	1/31/2022	✓
Initiate construction	1/31/2022	✓	Construction status report	3/1/2023	✓
Construction status report	3/1/2023	✓	Construction status report	3/1/2024	✓
Construction status report	3/1/2024	✓	Complete construction	12/31/2024	✓
Complete construction	12/31/2024	✓	Initial flooding and optimization period complete	12/31/2025	✓
STA-5/6 Expansion: Compartment C					
COMPLETE					
C-139 FEB (100867)					
Activity	Deadline		Activity	Deadline	
Initiate design	10/31/2018	✓	Submit state and federal permit applications	8/30/2019	✓
Submit state and federal permit applications	8/30/2019	✓	Complete design	10/31/2020	✓
Complete design	10/31/2020	✓	Initiate construction	1/31/2021	✓
Initiate construction	1/31/2021	✓	Construction status report	3/1/2021	✓
Construction status report	3/1/2021	✓	Construction status report	3/1/2022	✓
Construction status report	3/1/2023	✓	Construction status report	3/1/2023	✓
Complete construction	12/31/2023	✓	Complete construction	12/31/2023	✓
Operational monitoring and testing period complete	12/31/2024	✓			

Projects Complete = 7 of 13
 Activities Complete = 60 of 74
 % Activities Complete = 81 %
 % Time Complete = 65 %

Operational Flexibility

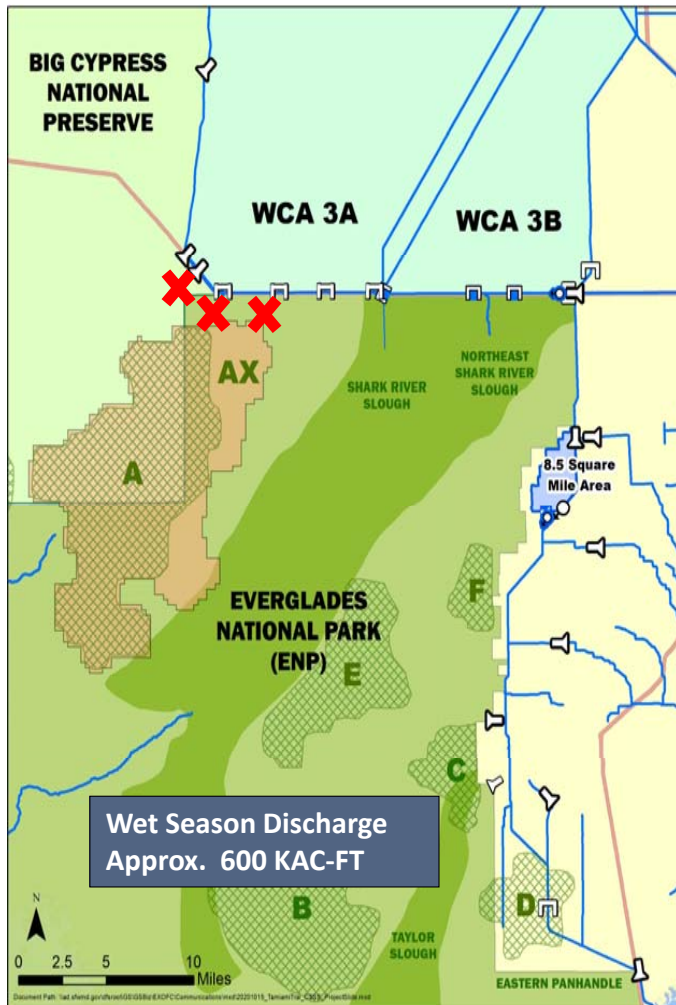
- CEPP North – S-620 culvert design
- CEPP South - Old Tamiami Trail Removal
 - Under construction
 - Expected completion January 2022
 - Powerline removal complete
- CEPP South - S-333N
 - Construction complete



Presenter – Megan Jacoby

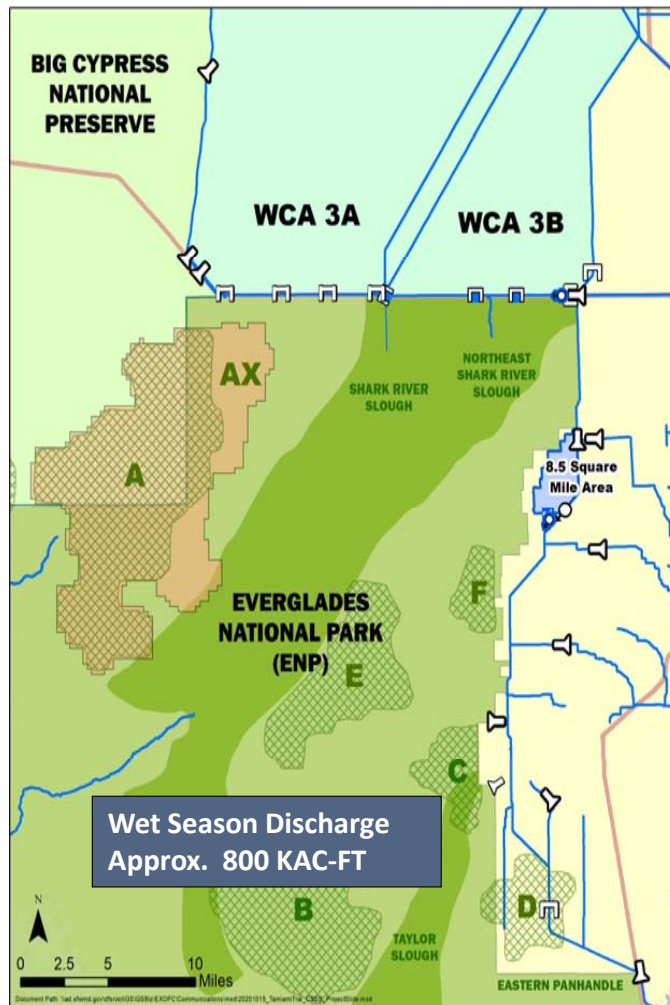
RESTRICTED

Some Structures closed and L-29 Canal limited to 8 ft



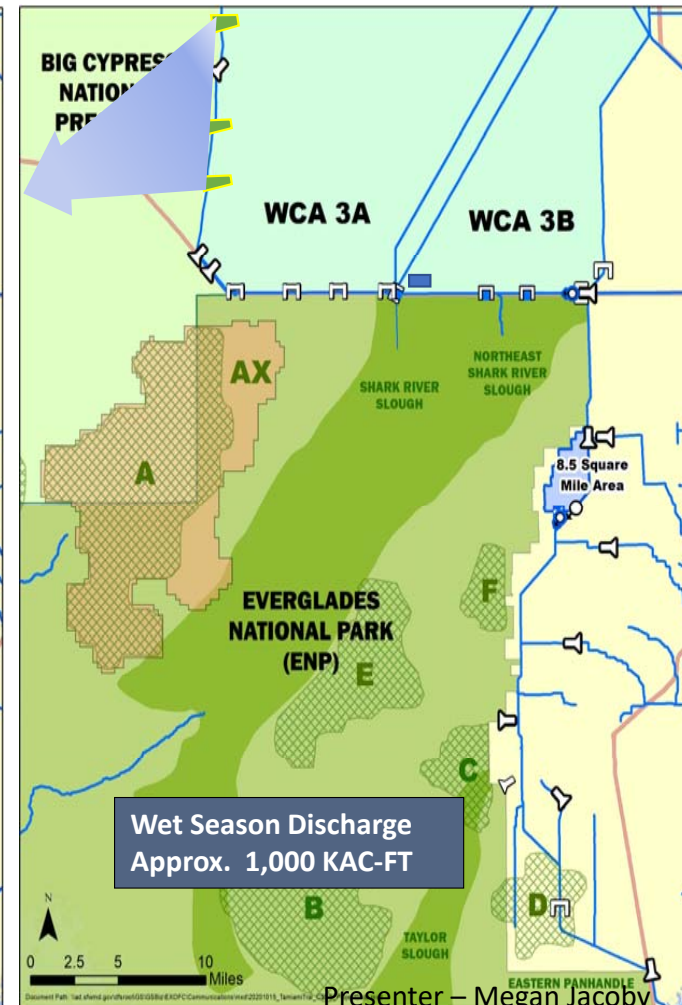
UNRESTRICTED

Structures open & L-29 Canal stages to 8.5 up to 90 days

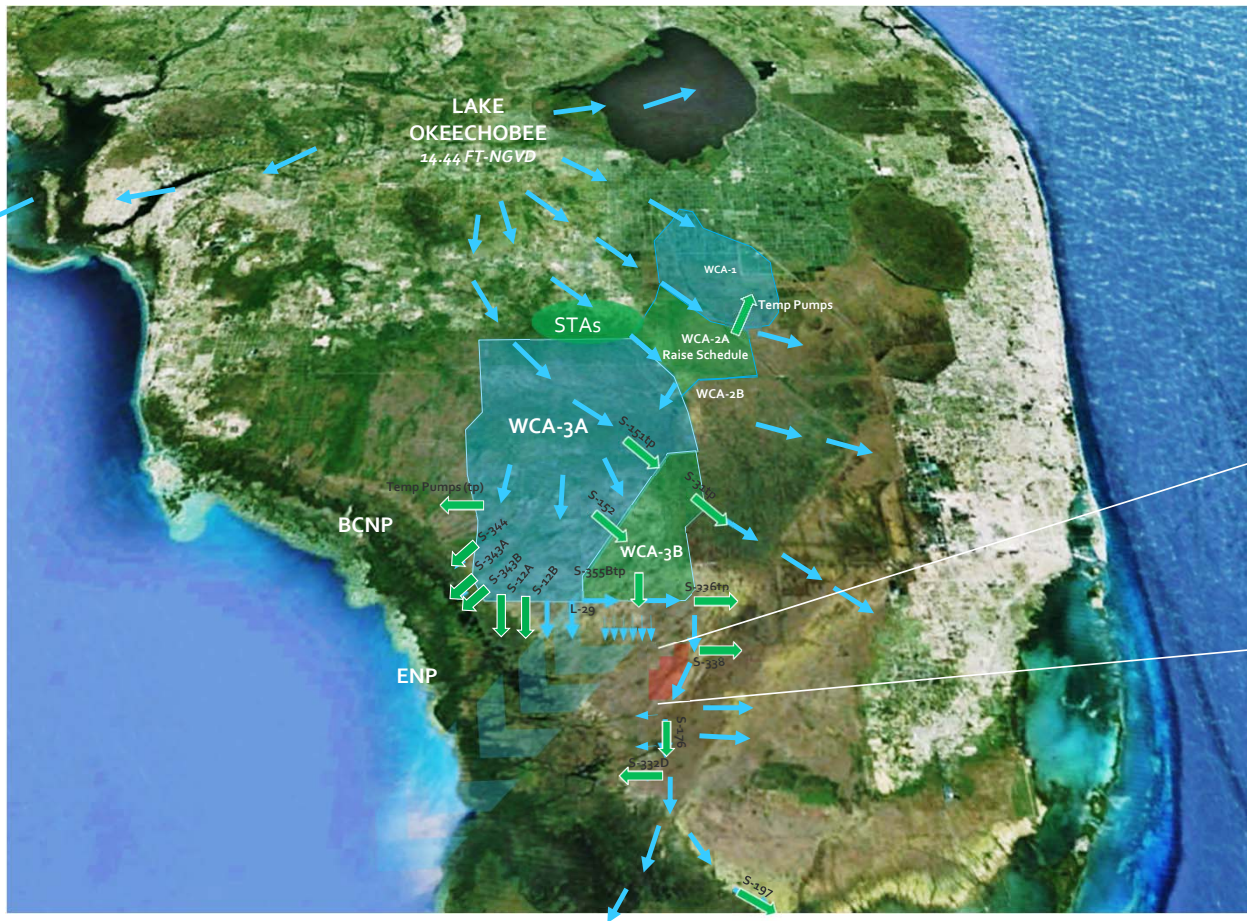


UNRESTRICTED + Infrastructure

New culverts out of WCA 3A & L-29 at 8.5



8.5 Square Mile Area Limited Curtain Wall



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8.5 Square Mile Area Limited Curtain Wall

- Allows water levels to increase in ENP without negatively impacting the 8.5 SMA
- Improves hydrologic and environmental conditions in the ENP and increases operational flexibility
- Status:
 - Awarded a \$14M contract to build the 2.3 miles curtain wall in March 2021
 - Construction completion expected June 2022

DISCUSSION