

**APPENDIX M**  
**TECHNICAL REVIEW DOCUMENTATION**

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**M.1 Introduction**

This appendix provides technical review documentation for the Central and Southern Florida (C&SF) Flood Resiliency (Section 203) Study for Broward Basins, including the Agency Technical Review (ATR) and Independent External Peer Review (IEPR). South Florida Water Management District's internal District Quality Control Review (DQCR) is also provided.

**M.1.1 Agency Technical Review**

**FINAL**

# **AGENCY TECHNICAL REVIEW REPORT**

C&SF Flood Resiliency (Section 203) Study  
for Broward Basins

**B&V PROJECT NO. 422527**

**PREPARED FOR**

**SOUTH FLORIDA WATER MANAGEMENT DISTRICT**



24 APRIL 2026



Prepared by:



\_\_\_\_\_  
**Signature**

April 24, 2026

**Date**

Charlotte Haberstroh, PhD, PE

\_\_\_\_\_  
**Printed Name**

Approved by:



\_\_\_\_\_  
**Signature**

April 24, 2026

**Date**

Angela Prymas, PE

\_\_\_\_\_  
**Printed Name**

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## 1.0 Introduction

The objective of the Feasibility Study (FS) is to enhance Central and Southern Florida (C&SF) regional water management's existing 70-year-old, gravity driven, aging infrastructure system in terms of its functionality and capacity to reduce flood damages and improve flood risk management and resiliency. These functions have been degraded over time by inland inundation and changed conditions within Broward County. The feasibility study will cover a 50-year period of analysis from 2035 to 2085.

The South Florida Water Management District (SFWMD) is the state agency responsible for water resources management in South Florida and acts as the non-Federal sponsor for Federal water resources projects, including the Comprehensive Everglades Restoration Plan (CERP).

SFWMD is utilizing Section 203 of the Water Resources Development Act of 1986, as amended, to advance the Central and Southern Florida Flood Resiliency Study – Broward Basins – with support from the Florida Department of Environmental Protection (FDEP), Broward County, and technical/federal assistance from the U.S. Army Corps of Engineers (USACE) Jacksonville District, for inclusion in the Water Resources Development Act (WRDA) 2026. Completion of the study will assist in advancing the feasibility assessment and initial engineering design of water control structure adaptations in the most vulnerable portions of the County. SFWMD commissioned the development of an integrated Flood Resiliency Study (FRS) and Environmental Assessment (EA) to document the effects of implementing the project.

The Project Area of the FRS is Planning Reach A of the ongoing C&SF Section 216 Flood Resiliency Study, with approximately 420 square miles consisting of nine managed watersheds in Broward County (C-11 East, C-11 West, C-12 West, C-13 West, C-14 East, C-14 West, North New River, Pompano, and the Hillsboro Basin) as shown in **Figure 1**. Planning Reach A also includes additional watersheds (associated tidal basins) downstream of the coastal structures. The following canals (and structures) are included in this area: G-08 (G-56), G-15 (G-54), G-16 (G-57), C-10, C-10 Spur, C-11 (S-13), C-11S, C-12 (S-33), C-13 (S-37), C-14 (S-37A), C-15, Middle River, New River, and respective portions of the Intracoastal Waterway.

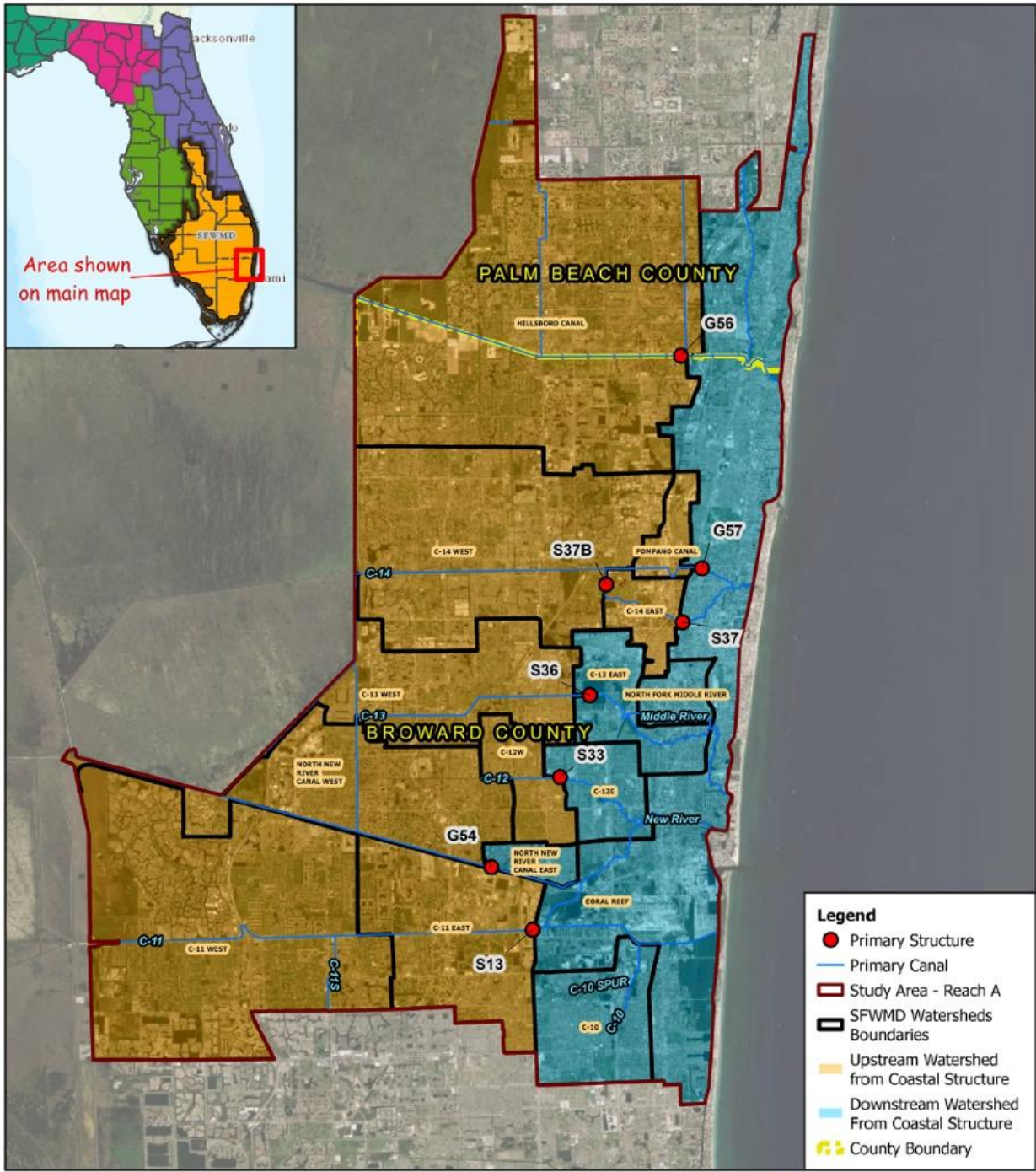
In accordance with USACE Engineer Regulation (ER) 1165-2-217, dated 19 August 2025, an Agency Technical Review (ATR) of the FRS is required. The regulation authorizes the engagement of engineering consulting firms to conduct an ATR. Accordingly, SFWMD has selected Black & Veatch Corporation (BV) to provide the ATR services.


For subtask 4.2, this deliverable provides a draft review report of the ATR conducted for the Pre-Final documents of the FRS/EA. The subject matter experts serving on the ATR Team, approved by SFWMD and USACE, reviewed the provided documents following the procedures outlined in the Work Plan (Task 1). This document summarizes the comments and observations and provides feedback about the significance and implications for the Broward County Resiliency Study.

The ATR follows a 2-1-1 schedule as outlined in **Table 1**.

**Table 1 Review Schedule**

ATR schedule (weeks)	ATR Phase	Received on	Completed on
2	Review	January 15 - 20, 2026	January 29, 2026
1	Evaluation/Responses	January 30, 2026	February 5, 2026
1	Backcheck	February 6, 2026	February 12, 2026
1	Review of Final Report	April 17, 2026	April 24 2026





**sfwmd.gov/resiliency**  
 South Florida Water Management District  
 3301 Gun Club Rd, West Palm Beach, FL 33406  
 561-696-6600 - FL WATS 1-800-432-2045

**Study Area - Reach A**  
**C&SF Flood Resiliency Study Broward Basins**

Date Saved: 9/4/2024

0 2 4 Miles  
 1 Inch equals 4 Miles

IMPORTANT DISCLAIMER:  
 This map is a conceptual or planning tool only. The South Florida Water Management District does not guarantee or make any representation regarding the information contained herein. It is not self-executing or binding, and does not affect the interests of any persons or properties, including any present or future right or use of real property.

**Figure 1 Study Area**

## 2.0 Charge Questions

The ATR Team reviewed the work products against published guidance, following the general procedures outlined in Appendix C.2 of ER 1165-2-217. A brief Guidance for Reviewers document was also prepared and provided to the ATR Team during project orientation (see **Appendix A**). The BV ATR Team conducted an internal orientation meeting, led by the BV project managers, to give reviewers project background and to outline the directions and requirements of the work plan to ensure an effective, high-quality review. Additional details on the review process are provided in the Agency Technical Review Work Plan (Task 1).

### 3.0 ATR Team

In accordance with Task 2 of Contract No.: 4600004910-WO8, **Table 2** provides the list of reviewers and project management team with an overview of their expertise and qualifications. For all disciplines required for the ATR, each of the personnel meets the requirements of Level 3 reviewers having a minimum of 15 years of specialized experience and being a recognized expert in their field. Note that alternative or complimentary reviewers are provided for some of the disciplines to assure availability in the review schedule. Please refer to the Agency Technical Review Team Selection (Deliverable 2) for more details on the reviewers' experience and background as well as their longform resumes.

**Table 2 List of Reviewers and Project Management**

Role	Name	Professional Licensure <sup>1</sup>	Highest Degree/Expertise	ATR Discipline	Experience (years)
Level 3 Reviewer	Partha Ghosh	PE (FL)	MS in Geotechnical Engineering	Geotechnical Engineering	33+
	Mostafa El-Engebawy	PE (OH, WA)	PhD in Structural/Earthquake Eng.	Structural Engineering	40+
	Elias Pournadian	PE (KS, TX, FL, GA)	MS in Structural and Architectural Engineering	Civil/Construction Engineering	15+
	Michael Nellis	PE (FL, UT, AL)	MS in Mechanical Engineering	Mechanical Engineering	16+
	Joe Santogatta	PE (SC)	BS in Electrical Engineering	Electrical Engineering	16+
	Roger Harris	PE (FL, CA, LA, TX, NY)	BS in Electrical Engineering	Instrumentation & Controls Engineering	40+
	Kevin Shelton	PWS, CERP	BS in Env. Science & Policy	Environmental Science	34+
	Renee Murch	PE (FL)	MS in Civil Engineering	Hydrologic & Hydraulic Modeling	20+
	Todd Bednar	N/A	BS in Architectural Engineering & Construction Management	Cost Estimation	40+
	Bradley Johnson	N/A	BS Regional & Community Planning, Environmental Law & Urban Design	Real Estate / Cost Estimation	27+
	Maria Watt	PE (TX, NJ, FL)	BS in Chemical Engineering	Engineering Economics	30+
Terry Hull	PE (8 states incl. FL)	MS in Engineering Mechanics	Coastal Engineering	37+	
Project Manager	Angela Prymas	PE (FL, GA)	MS in Civil Engineering	Civil Engineering	30+
	Charlotte Haberstroh	PE (FL)	PhD in Civil Engineering	Civil Engineering	9+

<sup>1</sup> Certified Ecological Restoration Practitioner (CERP), Professional Engineer (PE), Professional Wetland Scientist (PWS)

## 4.0 Summary of Review

### 4.1 Document Quality Control

The Document Quality Control (DQC) procedure was implemented to ensure the ATR was conducted in accordance with ER 1165-2-217 and aligned with the scope provided by Black & Veatch to SFWMD under EXHIBIT "B-8" STATEMENT OF WORK - CONTRACT NO. 4600004910-WO8 - Central and South Florida (C&SF) Flood Resiliency Study (Section 203) for Broward Basins Agency Technical Review. The quality control procedures were conducted by both BV and SFWMD.

DQC was conducted by the Reviewers' team lead in Black & Veatch and the SFWMD technical lead or under their supervision ensuring:

- All sections of the feasibility study were reviewed in a timely manner.
- Each reviewer provided at least one comment.
- Each reviewer considered the Charge Questions described in **Section 2.0**.
- All reviewers adhered to the Guidance for Reviewers in providing their comments outlined in **Appendix A**.
- Timely delivery of all specified deliverables.

### 4.2 Table of Comments and Resolutions

The ATR team reviewed the main report as well as Appendices applicable to their disciplines. The ATR Team provided 147 comments on the documents received by SFWMD. The comments were compiled in a spreadsheet based on a template provided by SFWMD. See all comments listed in **Appendix B**. For each comment the significance, basis for the concern, and suggested remedy were provided. The review was conducted on all documents received between 01/16/2026 and 02/21/2026, which included the main report and Engineering Appendix (Appendix A) as well as numerous other Appendices and Annexes (**Table 3**).

Responses to the comments were received on 02/05/2026. The ATR Team reviewed those comments and worked with the District and Project Team to discuss and resolve any remaining concerns. The final report and corresponding Appendices were received between 04/13/2026 and 04/17/2026. Backcheck on all comments was conducted to verify they had been addressed in the final document.

All ATR comments have been resolved.

**Table 3      Review Directory**

Review Items
FS-EA Main Report
Appendix A
A-1 Hydraulic Design Calcs and Modeling
A-2 Hydrologic Calcs and Modeling
B-1 Relevant Geotech Reports from Other Projects
B-2 Project Geotech Reports
C-1 Conceptual Design Drawings from Draft Report
C-2 Relevant Surveys from Other Projects
C-3 Project Boundary-Topo-Subsurface Utility Surveys
C-4 Relevant Record Drawings
C-5 – Relevant FWMD Canal ROW Permit Documentation
C-6 – List of Applicable FWMD Engineering Guideline Drawings
D-1 – Draft Preliminary Plumbing and HVAC Design Calculations and Manufacturers’ Information
E-1 – Draft Preliminary Electrical and I&C Design Calculations and Manufacturers’ Information
F-1 – Draft Preliminary Design Drawings
F-2 – Draft Preliminary Design List of Technical Specifications
F-3 – Draft Preliminary Design Truck Ingress and Egress Exhibits
G-1 – Draft Preliminary Structural Design Calculations
H-1 Pertinent Correspondence
EXEMPT_1190713a_Annex_C-6_List_of_Applicable_FWMD_Eng_Guideline_Dwgs
Appendix B Environmental Resources
Appendix C Plan Formulation
Appendix D Benefits Analyses
Appendix E Cost Engineering & Risk Analysis (Coming 01 20)
Appendix F Real Estate Plan
Appendix G ESA Coordination & Consultation
Appendix H Draft Structure Book Pages
Appendix I Hazardous, Toxic, and Radioactive Waste
Appendix J Public & Agency Involvement
Appendix K Cultural Resources Supporting Information
Appendix L Air Quality Supporting Information

### 4.3 Significant or Unresolved Comments

The level of significance was based on the categories described in **Table 4**.

**Table 4 Review Comment Level of Significance**

Level	Description
Critical	Fundamental issues are highly likely (near certain) to influence plan selection, justification, or ability to implement. Tagged as critical in comments.
High	Fundamental issue that has a 50% or greater chance to influence plan selection, justification, or implementation
Medium	Fundamental issue that has less than 50% chance to influence plan selection, justification, or implementation
Low	Technical, legal, or policy discrepancy/inconsistency that affects clarity, understanding, or completeness of study documents, but does not influence plan selection, justification, or implementation

The ATR generated a total of 147 comments, consisting of 102 Low, 37 Medium, and 8 High significance items based on the criteria in Table 3. No comments were classified as Critical; the highest level assigned was High.

Most comments focused on enhancing the report’s clarity, accuracy, and completeness, with fundamental concerns limited to a few specific areas. Overall, the distribution of comment significance indicates that the baseline analyses and report development were generally sound and suitable for review.

Key areas identified for improvement include:

- Real estate activities
- Verification of design criteria
- Quality assurance/quality control (QA/QC) for hydraulic modeling

Hydrologic & hydraulic modeling and structural engineering comprised the largest share of comments. Across disciplines, reviewers emphasized the need for:

- (1) clearer documentation of assumptions and discussion of limitations;
- (2) improved figure/table readability and referencing;
- (3) verification of structural design approaches and load combinations; and
- (4) completeness and traceability of cost and real estate documentation needed for feasibility-level decision support.

## 5.0 Technical Review and ATR Certification

The ATR Technical Review Certification and the ATR Certification are provided in **Appendices C and D**, respectively. They were prepared based on the templates provided in Appendix D of ER 1165-2-217.

## 6.0 Limitation

The ATR was performed in accordance with ER 1165-2-217, dated 19 August 2025 and in accordance with generally accepted engineering principles and practices. The review is limited to the information provided by SFWMD and our understanding of the project. Neither design calculations nor field investigations were conducted by Black & Veatch. No other warranty is expressed or implied.

## Appendix A - Guidance to Reviewers

### 1. Charge to Reviewers

Each reviewer is required to add at least one comment to document that the reviewer participated in or was aware of the review. The key element for the reviewer to consider while performing his task includes:

- Conduct the review for the subject project in a timely manner in accordance with the schedule.
- Follow the “Charge”, but when deemed appropriate by the team lead, request other products relevant to the project and the purpose of the review.
- Provide timely written and oral comments throughout the development of the project, as requested.
- Focus on the questions in the “Charge”, but the panel can recommend additional questions for consideration. The review team may recommend additional or alternate questions.
- Offer any lessons learned to improve the review process.
- Submit reports in accordance with the review plan milestones.
- The review team lead shall be responsible for ensuring that comments represent the group, be non-attributable to individuals, and where there is lack of consensus, note the non-concurrence and why.

### 2. Communications Protocols

SFWMD, in conjunction with BV, proposed guidance for the reviewer to follow to ensure appropriate communication and professionalism. Thus, to avoid any potential out of scope comments or misunderstanding with this review, SFWMD respectfully requests that the project’s review be conducted in accordance with USACE EC 1165-2-217, and specifically with the following:

- Focus on the technical aspects of the project and specifically the Charge Questions.
- Do not make comments with regard to:
  - USACE’s or SFWMD’s policies or changes in policies
  - Grammatical errors that do not affect the technical aspect of the document being reviewed. Clarification: If the error will result in an inappropriate design (for instance the text says “up to X inches of material” instead of “at least X inches of material”) then it is an appropriate comment. However, if it is a typo, spelling error, etc., it should not be commented on.
  - Organization of the document, headings, subheadings, etc.

- Please review your comments prior to submittal to ensure that you are providing a rationale behind what you are stating in your comment.
- Use active voice and do not ask open ended questions unless needed.
- Comments should be clear, concise, and reference specific document locations.
- Background information should be separated for the comment and should follow the specific comment.
- Should a reviewer have a lesson learned or something they want USACE to consider, start the entry with “Consider”.
- If you ask a question, please provide a rationale for why you ask it.
- If you feel that a comment should be discussed at the comment review conference or on a conference call – please identify it in your transmission of the comments to the BV PM. If you state that you want to discuss this at the comment review conference or on the conference call or the BV PM can leave the comment open so that it becomes flagged.
- All comments should be recorded in a professional tone. For example, often times comments are made directive in nature (e.g., “Change this to that”). What is more appropriate is to say, “Recommend a change from this to that”. The reason for this suggestion is to reinforce a focus on the technical elements of the project instead of the personnel involved.

If you either have duplicate comments of your own or see that there are duplicate comments by another expert reviewer – please do not consolidate comments. Duplicate comments may reinforce a particular design element to focus upon and will help facilitate the consolidation of comments into team consensus by the BV PM. The BV PM will make note that more than one reviewer made a particular comment when entering the “team” comment into the comment matrix. The BV PM will attempt to resolve any contradictory comments with reviewers; if no resolution is reached the contradiction will stand. Duplicate comments will be consolidated by the BV project manager prior to their placement into the comment matrix for review by SFWMD as outlined in the Task 4 of the scope of work.

**Appendix B - Table of Comments/Resolutions**

C&SF Flood Resiliency (Section 203) Study for Broward Basins – Agency Technical Review																	
Final Comment/Response Matrix (04/23/2026)																	
Com ID	Commenter, Agency	ATR Discipline	Document (Main Report, Appendix A, Appendix B,...)	Section Title or Number	Page No.	Line No.	Comment	Significance	Basis for the Concern	Suggested remedy	JTech Response	JTech Action	Report Version to Include Revision per JTech Action	Person Responsible for Revision	Backcheck Comment	Status	Has Comment Been Addressed?
001	Todd Bednar, Black & Veatch	Cost Estimation	Appendix E, Annex 1				The reports references excavation but haul-off, backfill, & compaction were not noted. Is spoil haul-off, backfill, & compaction included?	Low	Clarity and Accuracy	Provide additional information in document.	Concur	The reports will be updated to include a description of excavation, onsite and offsite loading, hauling, backfill and compaction.	Updated Pre-Final (2/23/26)	Stuart McGahee		Comment Closed.	Yes
002	Todd Bednar, Black & Veatch	Cost Estimation	Appendix E, Annex 1				All of the Pump Station drawings appear to show bar joists & structural steel beams. I didn't see this material listed in the takeoffs. Please confirm.	Low	Clarity and Accuracy	Provide additional information in document.	Concur	These items will be added to quantity take off as required.	Updated Pre-Final (2/23/26)	Stuart McGahee		Comment Closed.	Yes
003	Todd Bednar, Black & Veatch	Cost Estimation	Appendix E, Annex 1	51	m-3		Channel C8x11.6 shows a length of 40lf and a width of 4 lf for a total 262. Please explain this calculation.	Low	Accuracy	Review calculation and revise or provide explanation.	Concur	Will update the quantity take off and explain the calculation.	Updated Pre-Final (2/23/26)	Stuart McGahee		Comment Closed.	Yes
004	Todd Bednar, Black & Veatch	Cost Estimation	Appendix E, Annex 1	51	m-6		Angle L2x2x1/2 shows a length of 16 lf and a width of 6 lf for a total of 104. Please explain this calculation.	Low	Accuracy	Review calculation and revise or provide explanation.	Concur	Will update the quantity take off and explain the calculation.	Updated Pre-Final (2/23/26)	Stuart McGahee		Comment Closed.	Yes
005	Todd Bednar, Black & Veatch	Cost Estimation	Appendix E, Annex 1				All of the Pump Station quantities do not list architectural items - roofing, doors/frames/hardware, finishes, plumbing, or HVAC. Are these items included?	Low	Clarity and Accuracy	Provide additional information in document.	Concur	These items will be added to quantity take off as required.	Updated Pre-Final (2/23/26)	Stuart McGahee		Comment Closed.	Yes
006	Todd Bednar, Black & Veatch	Cost Estimation	Appendix E, Annex 1	118			C-11 Canal Improvements quantities include Spoils to be loaded & hauled offsite. Canals C-14 & G-08 exclude this line item quantity. Please confirm if the Spoils for Canals C-14 & G-08 are included or missing.	Low	Clarity and Accuracy	Provide additional information in document.	Concur	The canal improvement quantities will be updated to include a description of excavation, onsite and offsite loading, hauling, backfill and compaction.	Updated Pre-Final (2/23/26)	Stuart McGahee		Comment Closed.	Yes
007	Mostafa EL-Engabawy, Black & Veatch	Structural Engineering	Main Report - List of Tables and List of Figures			viii through xi	Recommend revising the page numbers in these lists to match their actual location in the report.	Low	Clarity	Modify text.	Concur	The page numbers in the List of Tables and Figures will be corrected as needed. Update: OBE as report format has been cleaned up.	Final (April 2026)	Katie Magoun		Comment Closed.	Yes
008	Mostafa EL-Engabawy, Black & Veatch	Structural Engineering	Main Report - Table 3-4			3-11	Recommend elaborating that the study measures of watersheds in Table 3-4 are not the tentatively selected plan features.	Low	Clarity	Modify text.	Non-Concur	No action is necessary. The text in the main report that precedes Table 3-4 explains that these are the structural flood risk management measures that were used to formulate the study's alternative plans.	N/A	N/A		Comment closed.	Yes
009	Mostafa EL-Engabawy, Black & Veatch	Structural Engineering	Main Report - Figure 4-4			4-6 and 4-7	Recommend removing the duplicate snapshot of Figure 4-4 from page 4-6.	Low	Clarity	Remove snapshot.	Concur	This duplicate image will be deleted. Update: image deleted.	Updated Pre-Final (2/23/26)	Katie Magoun		Comment closed.	Yes
010	Mostafa EL-Engabawy, Black & Veatch	Structural Engineering	Main Report - Figure 4-5			4-8 and 4-9	Recommend removing the duplicate snapshot of Figure 4-5 from page 4-8.	Low	Clarity	Remove snapshot.	Concur	This duplicate image will be deleted. Update: image deleted.	Updated Pre-Final (2/23/26)	Katie Magoun		Comment Closed.	Yes
011	Mostafa EL-Engabawy, Black & Veatch	Structural Engineering	Appendix A - List of Tables			A-vi	Recommend adding Table A.8-9 to the List of Tables.	Low	Clarity	Modify text.	Concur	This table has been added to the List of Tables.	Updated Pre-Final (2/23/26)	Raymond Sciortino		Comment Closed.	Yes
012	Mostafa EL-Engabawy, Black & Veatch	Structural Engineering	Appendix A - A.9.3.5 and A.9.4			A.9-3 and A.9-5	Recommend clarification as Section A.9.3.5 states that "Seismic Loads--Not Applicable (per FBC Ch. 1, Section 101.2)" while Section A.9.4 states that "Earthquake loads will be considered, in accordance with the Florida Building Code, 8th (2023) edition".	Low	Clarity and Accuracy	Review and revise statements as applicable.	Concur	The bullet point stating that earthquake loads will be considered has been removed from section A.9.4.2.	Updated Pre-Final (2/23/26)	Matt Ulrich		Comment Closed.	Yes
013	Mostafa EL-Engabawy, Black & Veatch	Structural Engineering	Annex_G-1 Downstream Monitoring Stations Calc			General	Recommend attaching RISA-3D file to the PDF.	Low	Missing Information.	Provide RISA-3D file.	Concur	The calculation report that was submitted for the DSMSs included a RISA-3D printout of the results. Native files for structural calcs, including the RISA-3D file, will be included in the Final Report to be published in April 2026.	Final (April 2026)	Matt Ulrich		Comment Closed.	Yes
014	Mostafa EL-Engabawy, Black & Veatch	Structural Engineering	Annex_G-1 Downstream Monitoring Stations Calc			General	Recommend adding the sizes and the design of columns shown in the isometric.	Low	Missing Information.	Provide additional information in document.	For Info Only	For steel design purposes we are currently assuming a 12" square prestressed concrete pile. Please reference the drawings where this is indicated. Final design of the prestressed concrete piles will be the responsibility of the Contractor/Precast Manufacturer. Top of pile load reactions will be provided on the drawings for pile design.	Final (April 2026)	Matt Ulrich		Comment Closed.	Yes

C&SF Flood Resiliency (Section 203) Study for Broward Basins – Agency Technical Review Final Comment/Response Matrix (04/23/2026)																	
Com ID	Commenter, Agency	ATR Discipline	Document (Main Report, Appendix A, Appendix B,...)	Section Title or Number	Page No.	Line No.	Comment	Significance	Basis for the Concern	Suggested remedy	JTech Response	JTech Action	Report Version to Include Revision per JTech Action	Person Responsible for Revision	Backcheck Comment	Status	Has Comment Been Addressed?
015	Mostafa EL-Engebawy, Black & Veatch	Structural Engineering	Annex_G-1 G-54 Improvements Calc		General		Recommend attaching RISA-3D file to the PDF.	Low	Missing Information.	Provide RISA-3D file.	Concur	A report including the input and results will be provided for each software used for design. RISA-3D was used for spillway design while SAP2000 was used for pump station design. Native files for structural calcs, including the RISA-3D file, will be included in the Final Report to be published in April 2026.	Final (April 2026)	Matt Ulrich		Comment Closed.	Yes
016	Mostafa EL-Engebawy, Black & Veatch	Structural Engineering	Annex_G-1 G-54 Improvements Calc		28 of 187		Recommend to change the title "Lock & Dam 25 , St. Louis MO" to the current project title for page 28 of 187 and beyond.	Low	Clarity and Accuracy	Modify text.	Concur	The report header will be updated to indicate the correct project title.	Updated Pre-Final (2/23/26)	Matt Ulrich		Comment Closed.	Yes
017	Mostafa EL-Engebawy, Black & Veatch	Structural Engineering	Annex_G-1 G-54 Improvements Calc		43 of 187		Recommend increasing the number of vertical bars in the columns as the resulting DCR is very close to unity (0.99).	Medium	Incorrect number of vertical bars.	Review and consider revising number of vertical bars.	Concur	The column design will be updated to lower the unity check and provide a level of reserve capacity.	Final (April 2026)	Matt Ulrich		Comment Closed.	Yes
018	Mostafa EL-Engebawy, Black & Veatch	Structural Engineering	Annex_G-1 G-54 Improvements Calc		111 of 187		Recommend adding the LRFD Load Combinations for design of reinforced concrete structural elements while keeping the ASD Load Combinations for evaluating soil pressures and structural elements' deflections.	Medium	LRFD Load Combinations have not been considered.	Include LRFD Load Combinations.	Concur	Both ASD and LRFD load combinations will be listed in an updated version of the RISA-3D results printout for the Control Building.	Final (April 2026)	Matt Ulrich		Comment Closed.	Yes
019	Mostafa EL-Engebawy, Black & Veatch	Structural Engineering	Annex_G-1 G-56 Improvements Calc		General		Recommend attaching RISA-3D file to the PDF.	Low	Missing Information.	Provide RISA-3D file.	Concur	A printout of the RISA-3D input and results will be included in the Final Report to be published in April 2026.	Final (April 2026)	Matt Ulrich		Comment Closed.	Yes
020	Mostafa EL-Engebawy, Black & Veatch	Structural Engineering	Annex_G-1 G-56 Improvements Calc		15 of 134		Recommend slightly increasing the thickness of the exterior walls since the DCR for shear is very close to unity (0.99) and a brittle failure could be developed.	Medium	Insufficient wall thickness could result in failure.	Review and consider revising the thickness of the exterior walls..	Concur	The initial wall design was based on preliminary geotechnical data and recommendations. Updated geotechnical reports were recently provided and include revised design criteria. The wall design will be revisited using the latest criteria. If the unity check cannot be lowered to provide a level of reserve capacity, then we will thicken the wall as appropriate.	Final (April 2026)	Matt Ulrich		Comment Closed.	Yes
021	Mostafa EL-Engebawy, Black & Veatch	Structural Engineering	Annex_G-1 G-56 Improvements Calc		58 of 134		Recommend adding the LRFD Load Combinations for design of reinforced concrete structural elements while keeping the ASD Load Combinations for evaluating soil pressures and structural elements' deflections.	Medium	LRFD Load Combinations have not been considered.	Include LRFD Load Combinations.	Concur	Both ASD and LRFD load combinations will be listed in an updated version of the RISA-3D results printout for the Control Building.	Final (April 2026)	Matt Ulrich		Comment Closed.	Yes
022	Mostafa EL-Engebawy, Black & Veatch	Structural Engineering	Annex_G-1 G-57 Improvements Calc		General		Recommend attaching RISA-3D file to the PDF.	Low	Missing Information.	Provide RISA-3D file.	Concur	A printout of the RISA-3D input and results will be included in the Final Report to be published in April 2026.	Final (April 2026)	Matt Ulrich		Comment Closed.	Yes
023	Mostafa EL-Engebawy, Black & Veatch	Structural Engineering	Annex_G-1 G-57 Improvements Calc		50 of 126		Recommend adding the LRFD Load Combinations for design of reinforced concrete structural elements while keeping the ASD Load Combinations for evaluating soil pressures and structural elements' deflections.	Medium	LRFD Load Combinations have not been considered.	Include LRFD Load Combinations.	Concur	Both ASD and LRFD load combinations will be listed in an updated version of the RISA-3D results printout for the Control Building.	Final (April 2026)	Matt Ulrich		Comment Closed.	Yes
024	Mostafa EL-Engebawy, Black & Veatch	Structural Engineering	Annex_G-1 S-13 Improvements Calc		General		Recommend adding the input and main results of the structural model representing the isometric.	Low	Missing Information and clarity.	Provide additional information in document.	Concur	A report including the input and results will be provided for each software used for design. RISA-3D was used for spillway design while SAP2000 was used for pump stations design.	Final (April 2026)	Matt Ulrich		Comment Closed.	Yes
025	Mostafa EL-Engebawy, Black & Veatch	Structural Engineering	Annex_G-1 S-13 Improvements Calc		28 of 83		Recommend to change the title "Lock & Dam 25 , St. Louis MO" to the current project title for page 28 of 83 and beyond.	Low	Clarity and Accuracy	Modify text.	Concur	The report header will be updated to indicate the correct project title.	Updated Pre-Final (2/23/26)	Matt Ulrich		Comment Closed.	Yes
026	Mostafa EL-Engebawy, Black & Veatch	Structural Engineering	Annex_G-1 S-13 Improvements Calc		43 of 83		Recommend increasing the number of vertical bars in the columns as the resulting DCR is very close to unity (0.99).	Medium	Incorrect number of vertical bars.	Review and consider revising number of vertical bars.	Concur	The column design will be updated to lower the unity check and provide a level of reserve capacity.	Final (April 2026)	Matt Ulrich		Comment Closed.	Yes
027	Mostafa EL-Engebawy, Black & Veatch	Structural Engineering	Annex_G-1 S-33 Improvements Calc		General		Recommend attaching RISA-3D file to the PDF.	Low	Missing Information.	Provide RISA-3D file.	Concur	A report including the input and results will be provided for each software used for design. RISA-3D was used for spillway design while SAP2000 was used for pump station design. Native files for structural calcs, including the RISA-3D file, will be included in the Final Report to be published in April 2026.	Final (April 2026)	Matt Ulrich		Comment Closed.	Yes
028	Mostafa EL-Engebawy, Black & Veatch	Structural Engineering	Annex_G-1 S-33 Improvements Calc		27 of 186		Recommend to change the title "Lock & Dam 25 , St. Louis MO" to the current project title for page 27 of 186 and beyond.	Low	Clarity and Accuracy	Modify text.	Concur	The report header will be updated to indicate the correct project title.	Updated Pre-Final (2/23/26)	Matt Ulrich		Comment Closed.	Yes

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029	Mostafa EL-Engebawy, Black & Veatch	Structural Engineering	Annex_G-1 S-33 Improvements Calc		42 of 186		Recommend increasing the number of vertical bars in the columns as the resulting DCR is very close to unity (0.99).	Medium	Incorrect number of vertical bars.	Review amd consider revising number of vertical bars.	Concur	The column design will be updated to lower the unity check and provide a level of reserve capacity.	Final (April 2026)	Matt Ulrich		Comment Closed.	Yes
030	Mostafa EL-Engebawy, Black & Veatch	Structural Engineering	Annex_G-1 S-33 Improvements Calc		110 of 186		Recommend adding the LRFD Load Combinations for design of reinforced concrete structural elements while keeping the ASD Load Combinations for evaluating soil pressures and structural elements' deflections.	Medium	LRFD Load Combinations have not been considered.	Include LRFD Load Combinations.	Concur	Both ASD and LRFD load combinations will be listed in an updated version of the RISA-3D results printout for the Control Building.	Final (April 2026)	Matt Ulrich		Comment Closed.	Yes
031	Mostafa EL-Engebawy, Black & Veatch	Structural Engineering	Annex_G-1 S-36 Improvements Calc		General		Recommend attaching RISA-3D file to the PDF.	Low	Missing Information.	Provide RISA-3D file.	Concur	A report including the input and results will be provided for each software used for design. RISA-3D was used for spillway design while SAP2000 was used for pump station design. Native files for structural calcs, including the RISA-3D file, will be included in the Final Report to be published in April 2026.	Final (April 2026)	Matt Ulrich		Comment Closed.	Yes
032	Mostafa EL-Engebawy, Black & Veatch	Structural Engineering	Annex_G-1 S-36 Improvements Calc		28 of 187		Recommend to change the title "Lock & Dam 25 , St. Louis MO" to the current project title for page 28 of 187 and beyond.	Low	Clarity and Accuracy	Modify text.	Concur	The report header will be updated to indicate the correct project title.	Updated Pre-Final (2/23/26)	Matt Ulrich		Comment Closed.	Yes
033	Mostafa EL-Engebawy, Black & Veatch	Structural Engineering	Annex_G-1 S-36 Improvements Calc		43 of 187		Recommend increasing the number of vertical bars in the columns as the resulting DCR is very close to unity (0.99).	Medium	Incorrect number of vertical bars.	Review amd consider revising number of vertical bars.	Concur	The column design will be updated to lower the unity check and provide a level of reserve capacity.	Final (April 2026)	Matt Ulrich		Comment Closed.	Yes
034	Mostafa EL-Engebawy, Black & Veatch	Structural Engineering	Annex_G-1 S-36 Improvements Calc		111 of 187		Recommend adding the LRFD Load Combinations for design of reinforced concrete structural elements while keeping the ASD Load Combinations for evaluating soil pressures and structural elements' deflections.	Medium	LRFD Load Combinations have not been considered.	Include LRFD Load Combinations.	Concur	Both ASD and LRFD load combinations will be listed in an updated version of the RISA-3D results printout for the Control Building.	Final (April 2026)	Matt Ulrich		Comment Closed.	Yes
035	Mostafa EL-Engebawy, Black & Veatch	Structural Engineering	Annex_G-1 S-37A Improvements Calc		General		Recommend attaching RISA-3D file to the PDF.	Low	Missing Information.	Provide RISA-3D file.	Concur	A report including the input and results will be provided for each software used for design. RISA-3D was used for spillway design while SAP2000 was used for pump station design. Native files for structural calcs, including the RISA-3D file, will be included in the Final Report to be published in April 2026.	Final (April 2026)	Matt Ulrich		Comment Closed.	Yes
036	Mostafa EL-Engebawy, Black & Veatch	Structural Engineering	Annex_G-1 S-37A Improvements Calc		28 of 187		Recommend to change the title "Lock & Dam 25 , St. Louis MO" to the current project title for page 27 of 186 and beyond.	Low	Clarity and Accuracy	Modify text.	Concur	The report header will be updated to indicate the correct project title.	Updated Pre-Final (2/23/26)	Matt Ulrich		Comment Closed.	Yes
037	Mostafa EL-Engebawy, Black & Veatch	Structural Engineering	Annex_G-1 S-37A Improvements Calc		43 of 187		Recommend increasing the number of vertical bars in the columns as the resulting DCR is very close to unity (0.99).	Medium	Incorrect number of vertical bars.	Review and consider revising number of vertical bars.	Concur	The column design will be updated to lower the unity check and provide a level of reserve capacity.	Final (April 2026)	Matt Ulrich		Comment Closed.	Yes
038	Mostafa EL-Engebawy, Black & Veatch	Structural Engineering	Annex_G-1 S-37A Improvements Calc		111 of 187		Recommend adding the LRFD Load Combinations for design of reinforced concrete structural elements while keeping the ASD Load Combinations for evaluating soil pressures and structural elements' deflections.	Medium	LRFD Load Combinations have not been considered.	Include LRFD Load Combinations.	Concur	Both ASD and LRFD load combinations will be listed in an updated version of the RISA-3D results printout for the Control Building.	Final (April 2026)	Matt Ulrich		Comment Closed.	Yes
039	Mostafa EL-Engebawy, Black & Veatch	Structural Engineering	Annex_G-1 S-37B Improvements Calc		General		Recommend attaching RISA-3D file to the PDF.	Low	Missing Information.	Provide RISA-3D file.	Concur	A printout of the RISA-3D input and results will be included in the Final Report. Native files for structural calcs, including the RISA-3D file, will be included in the Final Report to be published in April 2026.	Final (April 2026)	Matt Ulrich		Comment Closed.	Yes
040	Mostafa EL-Engebawy, Black & Veatch	Structural Engineering	Annex_G-1 S-37B Improvements Calc		9 of 138		Recommend adding the LRFD Load Combinations for design of reinforced concrete structural elements while keeping the ASD Load Combinations for evaluating soil pressures and structural elements' deflections.	Medium	LRFD Load Combinations have not been considered.	Include LRFD Load Combinations.	For Info Only	The strength load combinations for the Extreme case are listed as load combinations 7 & 8 on page 11. Load combinations 1 through 6 are specifically for the Usual and Unusual cases. These are set up as service level but are later factored in the design process (reference page 35 for the load factors per USACE EMs).	N/A	Matt Ulrich		Comment closed.	Yes
041	Mostafa EL-Engebawy, Black & Veatch	Structural Engineering	Annex_G-1 S-37B Improvements Calc		62 of 138		Recommend adding the LRFD Load Combinations for design of reinforced concrete structural elements while keeping the ASD Load Combinations for evaluating soil pressures and structural elements' deflections.	Medium	LRFD Load Combinations have not been considered.	Include LRFD Load Combinations.	Concur	Both ASD and LRFD load combinations will be listed in an updated version of the RISA-3D results printout for the Control Building.	Final (April 2026)	Matt Ulrich		Comment Closed.	Yes

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042	Joe Santogatta, Black & Veatch	Electrical Engineering	Appendix A - E-1 & F-1		120/121		G57 One-line shows a 45kw genset, same as G56 despite having half the load. Confirm sizing. Is this Cummins minimum sizing for their gensets?	Low	Clarity and Accuracy	Review and revise generator set as appropriate. Provide information on Sizing rationale.	For Info Only	Propane generators at each gate site are sized using the gate horsepower provided by Mechanical and the Cummins Power Suite (generator sizing application). Per the generator sizing calculations provided in the appendix and the starting kVA required, the 45kW generator at each site is the smallest size propane generator sized to start and run the gates sequentially.	N/A	N/A		Comment closed.	Yes
043	Joe Santogatta, Black & Veatch	Electrical Engineering	Appendix A - F-1				Typical all one-lines, suggest showing expected utility transformer sizing.	Low	Missing Information.	Provide transformer sizing.	For Info Only	Utility transformers are sized by the utility using electrical load information provided by the design team. At this time, utility coordination is still on going and utility transformer sizing information has not been provided to the design team. When utility transformer sizing is provided, then it will be provided on the one lines.	N/A	N/A		Comment closed.	Yes
044	Joe Santogatta, Black & Veatch	Electrical Engineering	Appendix A - F-2		Div 16		G-54 Tech Specs list Medium voltage motors and switchgear. It appears the largest voltage on this site is 480V which should be covered in the general switchgear spec. What medium voltage loads are being provided on this site?	Low	Clarity	Provide additional information in document.	For Info Only	The Preliminary Design Lists of Technical Specifications provided are generalized for the type of improvements at each site, based on most complex case for construction of pump stations, spillways, monitoring stations, and canals. The Table of Contents - Annexes - F-2 - Draft Preliminary Design List of Technical Specifications has been revised to reflect the 4 lists of specifications (pump stations, spillways, monitoring stations, and canals).	Updated Pre-Final (2/23/26)	Raymond Sciortino		Comment closed.	Yes
045	Brad Johnson, Black & Veatch	Real Estate	Annex E-2, Project Schedules		N/A	N/A	Real estate activities, including the acquisition of Fee Estate (FEA), Perpetual Easements (PEs), and Temporary Easements (TEs), do not appear to be reflected in the Annex E-2 Project Schedule. Please confirm that these activities have been appropriately accounted for in the overall project timeline.	Medium	Unclear if project schedule considers real estate activities.	Provide information on real estate activities in overall project timeline.	Concur	The schedules in Annex 2 of Appendix E are only the construction schedules for each TSP construction contract. See Section F.11 for information concerning the schedule of real estate acquisition.	N/A	N/A		Comment closed.	Yes
046	Brad Johnson, Black & Veatch	Real Estate	Annex E-4, CSRA Risk Register, REF 9, Obtaining ROW, easements, etc.		Page 3 of 7	N/A	It is noted that "Real estate costs are still being defined; as such, no risks have been identified at this time. Real estate costs and risks will be incorporated for the cost certification submittal in February 2026." Please confirm that this remains accurate. It is recommended that these items be reviewed or otherwise verified to ensure they are properly incorporated into the referenced documents prior to finalization.	High	Real estate cost risks not assessed at this time.	Verify that risks will be assessed and reviewed as indicated.	Concur	REF 9 will be updated for the upcoming cost certification submittal in late Feb 2026, once the real estate acquisition plan and its associated costs are completed in Appendix F in Feb 2026.	Updated Pre-Final (2/23/26)	Scott Vose	provide annotated real estate maps to S. Vose to use to update REF 9 in the Risk Register	Comment closed.	Yes
047	Brad Johnson, Black & Veatch	Real Estate	Annex E-5, Total Project Cost Summary Spreadsheet		N/A	N/A	It does not appear that real estate costs are included in Annex E-5. Please verify whether they will be incorporated once the real estate costs have been fully defined.	High	Accuracy of cost summary	Provide additional information.	Concur	The real estate costs will be added to Annex 5, of Appendix E for the upcoming cost certification submittal in Feb 2026, once the real estate acquisition plan and its associated costs are completed in Appendix F in Feb 2026.	Updated Pre-Final (2/23/26)	Scott Vose		Comment closed.	Yes
048	Brad Johnson, Black & Veatch	Real Estate	Appendix F Real Estate Plan		N/A	N/A	It appears that Appendix F, the Real Estate Plan, is still under development. Please confirm whether this is accurate or please provide the final draft for review.	High	Real Estate Plan cannot be fully evaluated until completed.	Provide information on anticipated completion and QAQC plan for the Real Estate Plan.	Concur	Once the real estate acquisition plan and its associated costs are completed, they will be incorporated into an updated version of Appendix F which will be provided to B&V for review in Feb 2026.	Updated Pre-Final (2/23/26)	Raymond, SFWMD PM & SFWMD Real Estate Group		Comment closed.	Yes
049	Brad Johnson, Black & Veatch	Real Estate	Appendix F Real Estate Plan, Section F.10 Real Estate Acquisition and Incidental Costs & Table F.10-1		F-21 - F-22	N/A	How were the real estate acquisition and incidental costs estimated? Please clarify the factors, baselines, assumptions, and methodologies used in developing these estimates. Additionally, indicate whether contingency and/or escalation costs are included. Providing an explanation of the estimation approach and underlying assumptions would help demonstrate the accuracy and reliability of the preliminary estimate.	High	Accuracy and missing information.	Provide additional information in document.	Concur	Once the real estate acquisition plan and its associated costs are completed, they will be incorporated into an updated version of Appendix F which will be provided to B&V for review in Feb 2026. The updated version of Appendix F will include a table that shows the breakdown of how the estimated real estate costs were calculated.	Updated Pre-Final (2/23/26)	Raymond, SFWMD PM & SFWMD Real Estate Group		Comment closed.	Yes

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050	Brad Johnson, Black & Veatch	Real Estate	Appendix F Real Estate Plan, Section F.15.8.3, Real Estate Acquisition / Takings		F-43	N/A	How were the mitigation costs estimated? Please identify what amounts or percentages of Nonstructural, Structural, and Real Estate Acquisition activities contribute to the total estimated cost of \$30 million. Additionally, providing an explanation of the estimation methodology and underlying assumptions would help demonstrate the accuracy and reliability of the preliminary estimate.	High	Accuracy and missing information.	Provide additional information in document.	Concur	Once the mitigation costs are completed, they will be incorporated into an updated version of Appendix F which will be provided to B&V for review in Feb 2026. The updated version of Appendix F will include additional details to explain how the mitigation costs were estimated.	Updated Pre-Final (2/23/26)	SFWMD PM & SFWMD Real Estate Group		Comment closed.	Yes
051	Brad Johnson, Black & Veatch	Real Estate	Appendix F Real Estate Plan, Section F.16, Table 161		F-44	N/A	It appears that Table 161, Total Real Estate Costs, is a work in progress. Costs not provided at this time for review.	High	Real Estate Costs cannot be fully evaluated until completed.	Provide Real Estate Costs for evaluation.	Concur	Once the real estate acquisition plan and its associated costs are completed, they will be incorporated into an updated version of Appendix F which will be provided to B&V for review in late Feb 2026.	Updated Pre-Final (2/23/26)	Raymond, SFWMD PM & SFWMD Real Estate Group		Comment closed.	Yes
052	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-1.3, Hydraulic Calculations				This modeling effort uses NVGD29. Consider adding text to clarify why the project datum was not used.	Low	Clarity	Provide additional information in document.	For Info Only	The SFWMD Engineering & Construction Bureau's policy is to use NAVD88. Therefore, the elevations in Appendix A and its annexes, unless noted otherwise, are referenced to NAVD88. Therefore, the HEC-RAS modeling as described in Annex A-1.3 is in NAVD88 (see Section 2.2.1 of Annex A-1.3). For clarity, Section A.4.1 has been revised to point out which Appendix A annexes include documents with elevations in NGVD29 (most notably SFWMD's MDR in Annex A-2.1, concerning their regional MIKE SHE/Hydro modeling for the Study).	Updated Pre-Final (2/23/26)	Raymond Sciortino		Comment closed.	Yes
053	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-1.3, Hydraulic Calculations				Please consider adding figure labels, captions, and in-text references to all figures to enhance document readability.	Low	Clarity	Modify text.	Concur	Labels, captions and reference will be added	Updated Pre-Final (2/23/26)	Pat Kirby		Comment closed.	Yes
054	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-1.3, Hydraulic Calculations	Section 2.2.3	8		Manning's n is specified in the documentation. Consider adding text to clarify if model sensitivity to parameterization (including Manning's n) was investigated.	Low	Clarity	Provide additional information in document.	Concur	Text will be added to Section 2.2.3 to state that a sensitivity analysis was not conducted concerning model parameterization.	Updated Pre-Final (2/23/26)	Pat Kirby	Yes. Section 2.2.4 was added to document a sensitivity analysis (Verified 4/22/24)	Comment closed.	Yes
055	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-1.3, Hydraulic Calculations	Section 2.2.3, 4th paragraph	8		HEC-RAS manual should be cited in References sections. Please add References to end of document.	Low	Clarity	Modify text.	Concur	HEC-RAS manual will be cited in the reference section.	Updated Pre-Final (2/23/26)	Pat Kirby		Comment closed.	Yes
056	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-1.3, Hydraulic Calculations	Section 2.3		9, General comment	In this section, please consider adding text to describe whether model calibration was performed to the existing conditions scenario.	High	Missing Information and quality	Provide additional information in document.	Concur	No model calibration was performed. Existing condition scenario was simulated for comparison to the proposed bypass.	Updated Pre-Final (2/23/26)	Pat Kirby	Based on the discussion during the meeting held on 02/23/2026, it was agreed that a calibration of the HEC-RAS 2D model representing the hydraulic structures will not be necessary. A sensitivity analysis was performed to show that Mannings N does not significantly impact the results. Additional information including results from the sensitivity analysis, water elevations in the cross-sections and grid indicating extent of model domain were provided in the final report.	Comment closed.	Yes
057	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-1.3, Hydraulic Calculations	Section 2.3		9, General comment	Please clarify in the text whether velocity maps show the extent of the HEC-RAS 2D model grid extents for each simulation. For some bypass alternatives, such as G-56 Phase 1, the high velocities are very close to the edge of the channel, which could be of concern. In addition to velocities, water surface elevation should be examined for each bypass scenario, and critical cross sections should be examined to ensure that the water surface is not extending beyond the edge of the canal (or hitting a "glass wall" in the model due to the limited model extents).	High	High velocities are very close to the edge of the channel	Provide additional information and discussion in document.	Concur	Grid extents will be added to exhibits and text. Water surface profiles exhibits will be added.	Updated Pre-Final (2/23/26)	Pat Kirby		Comment closed.	Yes

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058	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-1.3, Hydraulic Calculations	Section 2.3	9, General comment		For all velocity plots, the color bar legend noted on the map is illegible. Please consider increasing the font size on the legend labels or generally specify the range of velocities in the text for each plot. It is unclear whether the same legend scale is used for each plot or if it varies by plot.	Low	Clarity	Update maps to improve readability.	Concur	Velocity legend will be increased in size for legibility.	Updated Pre-Final (2/23/26)	Pat Kirby		Comment closed.	Yes	
059	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-1.3, Hydraulic Calculations	Section 2.3	11,14,17,22,25,28,30,34		For all cross section plots for flow bypass simulations, edge of bank and the water surface elevation for the flow profile that corresponds to the velocities shown on the corresponding plot should be shown. This serves as a QAQC check to ensure that the water surface remains within the channel as shown on the velocity plots and that the model extents are adequate to represent the flow condition.	Medium	Additional data needed to verify appropriate design and model extent.	Provide additional data on cross-section plots.	Concur	Cross section plots will be updated to show edge of bank and water surface elevations for corresponding velocities.	Updated Pre-Final (2/23/26)	Pat Kirby		Comment closed.	Yes	
060	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-1.3, Hydraulic Calculations	Section 2.3	16		The velocity map of the existing S-37B structure shows instability and oscillation in portions of the velocity field. Please consider adding discussion of this observation.	Low	Model instability observed.	Provide additional discussion.	Concur	Discussion will be added.	Updated Pre-Final (2/23/26)	Pat Kirby	Figure 22 has been updated and instability has been eliminated. Bypass simulation results in Figure 25 appear identical between report versions.	Comment closed.	Yes	
061	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-1.3, Hydraulic Calculations	Section 3	35		Consider adding limitations of the modeling effort to this section including whether the model was calibrated, the sensitivity of the model to Manning's n parameterization, and a summary of stages (HW, TW, and a distance upstream from the bypass) to provide evidence for the statement that bypass areas will provide conveyance "without impacting upstream stages."	Low	Missing information on model limitations.	Provide additional discussion on limitations of the effort.	Concur	Section 3 will be expanded to include this information.	Updated Pre-Final (2/23/26)	Pat Kirby	Text added in updated document.	Comment closed.	Yes	
062	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-1.3, Hydraulic Calculations	End of document	35		References section should be added at the end of the document.	Low	Missing Information.	Add Reference section.	Concur	Reference section will be added	Updated Pre-Final (2/23/26)	Pat Kirby		Comment closed.	Yes	
063	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-2.1		4		The model introduction is very helpful. Consider adding text to indicate what the limitations of the 1D-2D coupled model are and whether or not they are of concern for the intended use of the model.	Low	Missing information on model limitations.	Provide additional discussion on limitations of the effort.	Acknowledged	Added a paragraph on page 2 describing the MIKE SHE and Hydro	Final (April 2026)	Carol Ballard	Yes, text added on page 4 (Verified 4/22/26)	Comment closed.	Yes	
064	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-2.1		4	Figure 2	In this modeling effort, the watersheds are represented using a grid, which can introduce mass error when the grid cells are not coincident with the watershed boundaries. Consider discussing whether this area error is negligible for this modeling effort, and consider adding the watershed outlines to Figure 2 to demonstrate the difference between the model extents and the watershed boundaries.	Low	Area error between boundary and model extent/grid not provided.	Provide additional information/map.		Watershed outlines are included on Figure 4 within the model domain - also shown. The watersheds are not modeled using SOLFA and are not delineated in the model other than through the use of drain codes which attempt to capture the correct drainage path of the upland areas.	N/A	N/A		Comment closed.	N/A	
065	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-2.1		8	Text below Table 3	The text states that rainfall point estimates were derived from NOAA Atlas 14. Please specify whether model cell centers were used for rainfall grid estimates or if another grid was used to determine rainfall estimates.	Low	Clarity	Provide additional information.		The text states that the modelling uses spatially distributed gridded input. The download from NOAA Atlas was gridded rainfall depths. The NOAA data is based on point estimates and require areal reduction factors. This is stated in the assumption table: Design Event Rainfall from NOAA Atlas 14 3-day rainfall depths using spatially distributed gridded input. The rainfall depths obtained from NOAA are point values and require adjustments per USACE Engineering Manual 1110-2-1417, Section 13-4. Areal reduction factors are applied using USGS methodology described in the referenced publication: (Irizarry-Ortiz & Stamm, 2022)	Added clarification in the text that the precipitation frequency estimates from the NOAA Atlas are based on point estimates...The additional information in the response is under Meteorological Data in the Assumption Tables. The rainfall was downloaded as gridded data from NOAA	Final (April 2026)	Carol Ballard		Comment closed.	Yes

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066	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-2.1		12	Figure 7	Figure 7 provides additional details on model boundary conditions and savepoint locations. Please consider adding text to discuss the variability between savepoints and whether there were discontinuities at adjacent cells when boundary conditions transitioned from one savepoint to another.	Low	Accuracy	Provide additional discussion.	see response to comment 5 in Matrix for AppendixA-2.1.		N/A	N/A		Comment closed.	N/A
067	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-2.1		14	Figure 9	Consider adding a graph of the tidal boundary for one simulation for all 4 savepoints, similar to Figure 9, so that the variability in the tidal boundary condition can be examined spatially. A high degree of transition at the savepoint transitions can induce an artificial current; for this reason, consider examining velocity plots as well to verify that artificial currents are not induced.	Low	Accuracy	Provide additional information.	see response to comment 5 in Matrix for AppendixA-2.1.		N/A	N/A		Comment closed.	N/A
068	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-2.1		16	End of page	During the discussion of model results, it would be helpful to discuss the model grid cell size. Page 45 mentions a multi-cell resolution of 125' x 125' but is not clear if this is the model grid cell size. Please consider discussing the grid cell size earlier in the document during the discussion of limitations. Since overland flow typically occurs at a maximum distance of 300-1000-feet. The grid should be more finely discretized than this in order to adequately model overland flow.	Low	Accuracy of overland flow simulation.	Provide additional information and discussion in document.	A computational grid size of 250-ft is used and coupled with the multi-cell overland feature at a 125-ft grid size. This higher resolution feature further refines the storage and conveyance characteristics of each computational grid cell. Although the model computations are based on a 250-ft grid cell, the conveyance and storage characteristics of each cell are calculated based on the finer 125-ft grid. This local refinement provides a higher level of topographic detail and overland storage while attaining reasonable model runtimes.	The grid size detail is in the Assumption Tables under the feature of Model Domain Assumptions	N/A	N/A		Comment closed.	N/A
069	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-2.1	Future WOP Set up	22		Consider adding discussion of the western boundary future condition. Since the same boundary was used as the baseline model setup, is this a conservative assumption since pumping will increase in 2085, thereby decreasing groundwater heads? Or are groundwater changes expected to be minimal in the 2085 conditions due to the proximity to the WCAs?	Low	Accuracy of western boundary condition under future conditions.	Provide additional information and discussion in document.	The water conservation areas comprise the western boundaries of the model. These include WCA-3B, WCA-3A, WCA-2B, WCA-2A, and WCA1. These boundaries were based on the RSMGL model data which was run with historical rainfall but with Central Everglades Planning Features included- a future conditions long term model with historical rain applied. The time series from the future conditions RSM model during 1999 Hurricane Irene at these locations were used as the boundaries. As described the variation in storm peaks were not found to be significant during historical storms (probably due to the highly managed nature of the water conservation areas), therefore, the same time series was used for all design events.	Added a clarification that the same subject boundary time series was applied for all design events. The timing of the Western boundary conditions align with that of the CHS boundaries (peaks occurring coincident to peak rainfall/surge boundaries). Except S-151_HW which was used as a boundary condition for WCA 3A and the peak continues to rise due to operational considerations. In general the timing coincides. Text was added to the report. Refer to similar question and response in Matrix for Appendix A-2.1 #12.	Final (April 2026)	Carol Ballard		Comment closed.	Yes
070	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-2.1		42	Bottom of page	Setting the leakage coefficient to 0.0 prevents vertical seepage from the Hendrix Farms site to the groundwater system which is an oversimplification that could lead to conservative design. The horizontal seepage to the seepage canal is an internal flux in the current model conceptualization, making this simplification reasonable and appropriate. Recommend clarifying vertical and horizontal seepage in the text.	Medium	Clarity and accuracy of seepage parameterization.	Provide additional information and discussion in document.	Thank you for the comment. It is concurred that the representation is a simplification. Some additional text was included in the description below Figure 29. The result of the conceptual representation is to prevent seepage from the 1D cross sections to the Mike she. In reality, if this project were to be built, the storage area would be surrounded by seepage canals capturing seepage flow and managing the gw gradient between storage area and surrounding residential areas. If built, the design would include features in the seepage canals (such as pumps) to move the water back into the storage area. see also comment #23 in AppendixA-2.1 matrix	additional text was included.	Final (April 2026)	Carol Ballard		Comment closed.	Yes

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071	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-2.1	Results section	52		A model grid resolution of 125' x 125' feet is noted here; it is not clear if that is the HEC FDA model resolution, the Reach A model resolution, or both. Recommend clarifying the Region A model resolution earlier in the document.	Low	Clarity	Clearly state /provide model resolution.	thank you for the comment. The model grid resolution is discussed in the Assumption tables of Appendix A referenced in Section 2.0 under Baseline Modeling. The depths were provided at 125' by 125' resolution which is the subcell resolution of the model.	No additional action, but this information is included in the Appendix A Assumption Tables in the category of Model Domain Assumptions. The following information is provided :A computational grid size of 250-ft is used and coupled with the multi-cell overland feature at a 125-ft grid size. This higher resolution feature further refines the storage and conveyance characteristics of each computational grid cell. Although the model computations are based on a 250-ft grid cell, the conveyance and storage characteristics of each cell are calculated based on the finer 125-ft grid. This local refinement provides a higher level of topographic detail and overland storage while attaining reasonable model runtimes.	N/A	N/A		Comment closed.	N/A
072	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-2.1		53		Consider adding details to the documentation as to why 12-hour rolling averages were selected for analysis as opposed to longer or shorter time block.	Low	Clarity	Provide additional information and discussion in document.	concur	Additional verbiage was included in the explanation of the performance/effective tables in the Results section (p. 54)	Final (April 2026)	Carol Ballard		Comment closed.	Yes
073	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-2.1		57	Table 8 (and similar tables)	Please add description of top and bottom table content to table caption for Table 8 and all similar tables. For example, "G56 Structure Performance Table- Peak 12hr Average W. cfs (top), and Normalized Flow with Respect to ECB (bottom)	Low	Clarity	Add descriptions.	concur	Additional verbiage was included in the explanation of the performance/effective tables in the Results section (p. 54), additional explanation was also included above Table 33.	Final (April 2026)	Carol Ballard		Comment closed.	Yes
074	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-2.1		60	Figure 41, 46, 50, 53, 58, 63, 68, 73 and similar figures	Please add units to map caption or legend (feet or inches)	Low	Clarity	Add units.	concur	added ft to figure caption for all maps	Final (April 2026)	Carol Ballard		Comment closed.	Yes
075	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-2.1		64	Tables 11-13	G57 experiences less improvement in peak 12-hr average HW and volume discharged compared to other structures, which is further discussed in the final structure effectiveness table. It also performs worse than the FWOPH in the 2085h analysis. Consider adding justification in the text as to why this alternative was selected despite the effectiveness metrics.	Medium	Potentially lower effectiveness of selected alternative.	Provide additional information and discussion in document.	Concur	The improvement to an upstream culvert allowed improved conveyance to the upstream of the structure which could be the reason the headwater was not lowered with the TSP. A sentence was added to the paragraph above Table 12. Also, likely the drop in volume for the high sea level did not result in damages justifying a pump. The results at the structure were only one piece determining whether a project was needed.	Final (April 2026)	Carol Ballard		Comment closed.	Yes
076	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-2.1		80	Figure 57	Downstream of S-36, there is significant out of bank flow in the intermediate and high sea level rise scenarios. Please consider commenting on whether this is of concern for future study and comment on the downstream boundary elevations.	Low	Clarity	Provide additional information and discussion in document.	Concur	Downstream assessment was performed and reported on elsewhere in the document.	N/A	N/A		Comment closed.	N/A
077	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-2.1	Last paragraph	80		Please clarify the second sentence to something like, "For more frequent events, 12-hour average flow decreases with the TSP." Consider adding what other design criteria outweighed this decreased performance compared to ECB/FWOP. Improvement in runoff volume appears significant.	Medium	Prioritization of design criteria unclear.	Provide additional information and discussion in document.	concur	additional discussion was added on p. 104 above Table 33.	Final (April 2026)	Carol Ballard		Comment closed.	Yes

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078	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-2.1		86	Figure 62	In the high sea level rise case, there is flow outside the right bank upstream of S-33 at some locations. Please consider commenting on whether or not this is of concern.	Medium	Simulated upstream overtopping.	Provide additional information and discussion in document.	Acknowledged	This is a good question because out of bank flow may or may not cause flooding of assets depending on the extent or the assets in the flow path. This is why gridded flood depths were provided to the economic tool for further evaluation. Flow out of bank does not necessarily cause flooding and damage to assets. Often the out of bank can be flow onto low lying areas such as golf courses/parks/ adjacent wetlands. If the out of bank flow causes damage, the HEC FDA economic tool will assess for the basin and determine damages and the contribution to the EAD (Estimated Annual Damages) based on the joint probability of the event. The scope of the modeling didn't include assessing out of bank flooding for all events in all locations. Detailed model information will be included in the project data file.	Final (April 2026)	Carol Ballard		Comment closed.	Yes
079	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-2.1		91	Figure 67	Consider commenting on impacts to I-95.	Low	Clarity on impacts.	Provide additional information and discussion in document.	Acknowledged	No action in the MDR. For this figure, low chords of bridges were shown where deemed a restriction to flow. The I-95 bridge was likely determined not to be a barrier to discharge. Comp benefits assessments do consider roads and travel impacts based on gridded model output.	N/A	N/A		Comment closed.	N/A
080	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-2.1		91	Bottom of page	Please revise caption reference that states "Figure68Figure50" to the appropriate reference.	Low	Clarity	Update reference.	concur	done	Final (April 2026)	Carol Ballard		Comment closed.	Yes
081	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-2.1		94	Table 28	There is a drastic improvement to volumes discharged with the TSP compared to FWOPs. Please consider adding discussion emphasizing why discharge volume was prioritized over other metrics given the fact that the TSP degrades performance for some events compared to the FWOP for peak 12 hour Q and HW.	Medium	Prioritization of design criteria unclear.	Provide additional information and discussion in document.	concur	additional discussion was added on p. 103 above Table 33.	Final (April 2026)	Carol Ballard		Comment closed.	Yes
082	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-2.1		96	Top of page	Please correct the figure reference in the first paragraph. Reference currently states "(Figure )"	Low	Clarity	Update reference.	concur	figure references have been updated.	Final (April 2026)	Carol Ballard		Comment closed.	Yes
083	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-2.1	Meteorological Data	106		Consider specifying the density of point rainfall values that were used for the modeling effort and whether the points were coincident with model grid cell centers.	Low	Accuracy	Provide additional information and discussion in document.	see response to comment #65	see action in comment #65	Final (April 2026)	Carol Ballard		Comment closed.	Yes
084	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-2.1	Meteorological Data	106		Please clarify whether reference ET or potential ET was used in the modeling effort. While reference ET represents ET for a well-watered grass surface, potential ET rates are generally higher as it represents the maximum ET potential under ideal conditions. Please clarify whether reference ET was adjusted prior to use in the model.	Medium	Accuracy	Verify ET parameterization.	thank you for the question, the information is in the Assumption Tables. ET is not a major driver during storm modeling.	refer to Assumption Tables under Meteorological Data for detail on ET.	N/A	N/A		Comment closed.	N/A
085	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-2.1	Tidal Data	107		Please consider clarifying whether discontinuities existed at transitions in the boundary conditions between savepoints.	Low	Clarity	Provide additional information and discussion in document.	will provide additional information	A table has been added (now Table 4) in the MDR showing the variation in CHS Savepoint Peak Elevations for Intermediate SL. Also additional explanation has been included above the table. see response to backcheck in matrix for Appendix A-2.1 comment ID #006	Final (April 2026)	Carol Ballard		Comment closed.	Yes
086	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-2.1	Initial Conditions	108		Please clarify how the initial groundwater adjustments for sea level conditions were made.	Medium	Accuracy	Verify groundwater conditions.	Methodology used to prepare is described in the technical memorandum referenced in the report. The initial condition files are different for all three sea level conditions. The equations used for preparing the initial condition files are also outlined in the technical memorandum.	The report referencing the adjustment methodology for the groundwater initial conditions is referenced in the report. Clarification was provided that the initial conditions are, in fact, different for each of the sea level conditions (low, intermediate, and high).	N/A	N/A		Comment closed.	Yes

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087	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-2.1	Model Domain Assumptions	114		This section contains valuable information about model discretization that would be helpful in the main body of the report. Consider adding it to the body of the report in locations as noted in previous comments.	Low	Clarity	Provide information in main body.	thank you for the comment. The model grid resolution detail is discussed in the Assumption tables of Appendix A and is referenced in Section 2.0 under Baseline Modeling. The depths were provided at 125' by 125' resolution which is the subcell resolution of the model.	The assumption tables are available as a resource to provide additional detail on the model not included specifically in the report. The are referenced early on in the report in Section 2.0. see also comment 71	N/A	N/A		Comment closed.	N/A	
088	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-2.1	Tidal Data	116		Tidal signal plot is missing from placeholder in document.	Low	Missing Information	Add plot.	ok	fixed	Final (April 2026)	Carol Ballard		Comment closed.	Yes	
089	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-2.1	Tidal Data	116		Please consider also showing Projected MSL elevations in NGVD29 to be consistent with model datum for easy comparison.	Low	Clarity	Provide elevations in Model datum.	Acknowledged; Believe this is referring to Table 2 in the Annex A-2.1 showing projected MSL elevation for Vaca Key Tidal Gauge. NOAA doesn't support NGVD29 datum anymore so conversion of this table is not recommended. The purpose is to show relative change in sea level	No change to the table	N/A	N/A		Comment closed.	N/A	
090	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Annex A-2.2		General comment	General comment	Annex A-2.2 documents provide the calculations for the exfiltration trench design to meet water quality objectives. Please consider adding a short narrative document to summarize calculation methodology, guidance documents, and design calculation results or reference Appendix A, Section A.5.3 at the top of each Annex PDF	Low	Clarity and Accuracy	Provide additional information.	Concur		The following statement will be added to the top of the water quality treatment calcs for each site: "These water quality treatment calculations were performed in accordance with the methodology and environmental resource permitting requirements described in Section A.5.3 of Appendix A."	Updated Pre-Final (2/23/26)	Pat Kirby		Comment closed.	Yes
091	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Appendix A	Beginning of section A.1.12			Please consider referencing the figure that shows canal monitoring locations in this introduction	Low	Clarity	Provide figure reference.	Concur		Section A.1.12 has been updated to include this revision.	Updated Pre-Final (2/23/26)	Raymond Sciortino		Comment closed.	Yes
092	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Appendix A	Section A.3.4.3			Please discuss whether manatee protection, temporary barriers, turbidity control, and other manatee protection devices were included in HEC-RAS 2D bypass modeling. Typically, these protections result in significant head loss that could impact bypass stages and velocities.	Medium	Representation of manatee protection features in model.	Provide additional information and discussion.	Concur		Discussion will be added to the HEC-RAS bypass flow modeling tech memo in Annex A-1.3, regarding temporary barriers used during construction. Options will be explored for ways to account for losses due to the barriers.	Updated Pre-Final (2/23/26)	Pat Kirby		Comment closed.	Yes
093	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Appendix A		A.5-2	End of paragraph	Please consider being specific when discussing canals that were shown to be insufficiently capable of handling the recurrence interval of flooding respective to the design conditions.	Low	Clarity and Accuracy	Provide additional information.			A hydraulics analysis of flow in the Study Area primary canals was performed by SFWMD and the results of this analysis were used to determine the scope of the proposed canal improvements in the TSP. A description of this hydraulics analysis and its findings will be added to the model documentation report in Annex A-2.1 for the Final Report to be published in April 2026.	Final (April 2026)	Carol Ballard		Comment closed.	Yes
094	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Appendix A	Section A.5.3	A.5-4		Please consider adding discussion of predevelopment loadings and whether the loadings are estimates or based on sampling.	Medium	Missing Information	Discuss predevelopment loadings.	Concur		All nutrient loadings are based on estimates. discussion and references consider the nutrient loadings used will be added to Appendix A, Section A.5.3.	Updated Pre-Final (2/23/26)	Pat Kirby		Comment closed.	Yes
095	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Appendix A	Section A.6.3	A.6-7		A summary table of structures would be helpful in this section (to summarize all of the specifications outlined in the text for each structure.)	Low	Clarity	Add summary table.	Concur		A reference to Table A.1-1 has been added to the beginning of Section A.6.3 to direct the reader to this table which summarizes the descriptions of the existing and proposed structures in Section A.6.3.	Updated Pre-Final (2/23/26)	Raymond Sciortino		Comment closed.	Yes
096	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Appendix A	Section A.8.3.9	A.8-4		Additional explanation on how the HHWS and the MHTWS were determined would be helpful.	Low	Clarity	Provide additional information.	Concur		This information has been added to Section A.8.3.9.	Updated Pre-Final (2/23/26)	Raymond Sciortino		Comment closed.	Yes
097	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Appendix A	Section A.8.6	A.8-10		Tables describing material design parameters are helpful, however there are different numerical values for materials of the same description depending on the structure. Recommend adding additional information to the tables to differentiate the materials, such as N values, so it is clear why some parameter values are different even if the material description is identical.	Low	Clarity	Provide additional data in tables.	Concur		Design N-Value will be added into the Stability, Settlement, and Earth Pressure Design Parameters Tables (A.8-1b thru A.8-8b) as suggested. Information was included in the individual structures GEDRs.	Updated Pre-Final (2/23/26)	Eduardo Gutierrez		Comment closed.	Yes
098	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Main Report	Downstream effects	ES-3		Sensitivity modeling is described. Please clarify if this was a formal sensitivity analysis and if so, where it documented.	Medium	Accuracy and clarity	Provide additional information and discussion in document.	There was no formal sensitivity test performed. Language will be clarified in the final report. There is additional information on all steps accomplished in the analysis.		Updated Pre-Final (2/23/26)	Carolina/David		Comment closed.	Yes	

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099	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Main Report	Hydrology and precipitation	ES-3		The Executive Summary documents rainfall that departs from historical norms. Recommend consideration of further uncertainty analysis to examine the effects of future rainfall uncertainty.	Medium	Accuracy	Consider conducting additional uncertainty analysis or justify why this is not necessary.	A new formal sensitivity test is underway to examine and document the effects of future rainfall uncertainty. It will be added to the final report.		Updated Pre-Final (2/23/26)	Carolina/David	Rainfall sensitivity analysis performed and documented in Annex D-1, Appendix D1.F.II	Comment closed.	Yes
100	Renee Murch, Black & Veatch	Hydrologic & Hydraulic Modeling	Main Report	5.5.1	5-5		This section states that effects are possible during construction due to reduced flow. The impact of bypass operations on stage should also be examined and documented in the Annex document. Additional obstructions due to manatee and turbidity barriers should be included in the bypass modeling.	Medium	Adequate representation of operations and barriers in the bypass modeling.	Verification if operations and barriers are adequately represented in the bypass modeling.	Concur	Water surface profiles for existing and bypass conditions will be added to the HEC-RAS bypass flow modeling tech memo in Annex A-1.3. Losses for manatee and turbidity barriers will be explored in the tech memo in Annex A-1.3.	Updated Pre-Final (2/23/26)	Pat Kirby		Comment closed.	Yes
101	Maria Watt, Black & Veatch	Engineering Economics	Main Report	4.1	4-1	Last sentence	Consider adding a reference to Section 4.5 which clarifies the relationship of the plans to the alternatives.	Low	Clarity	Add reference.	Concur	Will add reference to Section 4.5. Update: reference to section 4.5 added to Section 4.0.	Updated Pre-Final (2/23/26)	Katie Magoun		Comment closed.	Yes
102	Maria Watt, Black & Veatch	Engineering Economics	Main Report	4.5.2	4-41	First Paragraph	Consider adding Figure for RO (Resiliency Optimization) Alternative since only Figures of Alternatives A thru C are presented in earlier sections or refer to Figure 6-1.	Low	Consistency	Add reference or additional figure.	Concur	Will add figure of Alternative RO. Update: figured added to Section 4.5.	Updated Pre-Final (2/23/26)	Katie Magoun		Comment closed.	Yes
103	Maria Watt, Black & Veatch	Engineering Economics	Appendix D	Table D.2-1	D-3		Consider adding Future Without Project (FWOP) terminology to "No Action" alternative to be consistent with Sections 3 and 4 of main text.	Low	Consistency	Consider adding terminology.	Concur	Added FWOP to Table D.2-1.	Updated Pre-Final (2/23/26)	Katie Magoun		Comment closed.	Yes
104	Maria Watt, Black & Veatch	Engineering Economics	Appendix D	Table D.2-1	D-3		Consider adding TSP to Alternative RO for consistency purposes.	Low	Consistency	Add TSP to Alternative RO	Concur	Added *(TSP) to Table D.2-1.	Updated Pre-Final (2/23/26)	Katie Magoun		Comment closed.	Yes
105	Maria Watt, Black & Veatch	Engineering Economics	Appendix D	D.3-Section 2	1 of 13	Second to last paragraph	Consider relating Alternative RO to the Tentatively Selected Plan (TSP) for consistency purposes here and throughout the remainder of Appendix D.	Low	Consistency	Relate TSP and RO	Concur	Added *(TSP) to remaining tables.	Updated Pre-Final (2/23/26)	Katie Magoun		Comment closed.	Yes
106	Maria Watt, Black & Veatch	Engineering Economics	Appendix D	D.3-Section 3.1.2.2	9 of 13	Last sentence of Section 3.1.2.2	Consider clarifying why only intermediate sea level rise benefits were evaluated when Appendix D.4 considered both intermediate and high sea level rise scenarios for 2085.	Low	Clarity	Provide justification.	Concur	Will add narrative explaining why intermediate SLR was considered for transportation benefits. Update: added explanation to Tech Memo D.6 "The transportation benefits analysis was limited to the intermediate sea level rise scenario as the road network was heavily flooded under the high sea level rise scenario which made many roads impassable, leading to unreliable vehicle hours travelled results."	Updated Pre-Final (2/23/26)	Katie Magoun		Comment closed.	Yes
107	Maria Watt, Black & Veatch	Engineering Economics	Appendix D	D.3-Section 3.1.3	9 of 13	Second to last paragraph	Please confirm the link to the "Economic Guidance Memorandum, 26-01" is accurate.	Low	Clarity	Confirm link.	Concur	Will correct link in the Technical Memo. Update: link replaced in nominal and real NED Tech Memos, D3 and D4.	Updated Pre-Final (2/23/26)	Katie Magoun		Comment closed.	Yes
108	Kevin Shelton, Black & Veatch	Environmental Science	Main Report	FS-EA, Section 7, Table 7.1	7-6	22	"establishment of invasive and non-invasive species" needs clarification. Suggest replacing "non-invasive" with "non-native".	Low	Clarity	Revise text.	Concur	Table is no longer present in Main Report. Section has been revised by USACE.	Updated Pre-Final (2/23/26)	Katie Magoun	Text in table was revised as suggested.	Comment closed.	Yes
109	Kevin Shelton, Black & Veatch	Environmental Science	Appendix G	Appendix G, 4.2.6	10	5	Description states "three 170-cfs pumps and one 170-cfs auxiliary pump for a total design pump discharge capacity of 510 cfs." Please confirm total pumping capacity or clarify auxiliary pump operation.	Low	Clarity	Clarify pump capacity	Concur	Will verify pump station capacities in latest ESA consultation documentation. UPDATE: consultation attachments updated by USACE March 2026	Updated Pre-Final (2/23/26)	Katie Magoun	J-Tech: Pump station language is unchanged. It is assumed that the auxiliary pump would only operate to replace function of main pumps with a total limit of 510cfs. BV - Intent may be assumed.	Comment closed.	N/A
110	Kevin Shelton, Black & Veatch	Environmental Science	Main Report and Appendix G	FS-EA and Appendix G	Generally		Suggest expanding on beneficial impacts of modified WCS on manatee population including new or upgraded exclusion devices, gate modifications, etc. especially in light to the new critical habitat designations within the Aciton Area.	Low	Recommend adding information	Provide additional information and discussion in document.	Concur	Will add language from Appendix A that references manatee protections. Updated text in Main Report: In addition, under all alternatives, each new WCS would include a manatee protection system that consist of upgraded exclusion devices and gate modifications, where appropriate, to avoid impact to this species during OMRR&R. Appendix B includes species-specific analyses, and Appendix G includes the Endangered Species Act consultation documents.	Updated Pre-Final (2/23/26)	Katie Magoun		Comment closed.	Yes


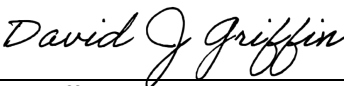

C&SF Flood Resiliency (Section 203) Study for Broward Basins – Agency Technical Review																	
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111	Kevin Shelton, Black & Veatch	Environmental Science	Appendix B	Appendix B Table L.3-1., L.3-2, and L.3-3.	L-2 and L-3		The emissions for the Alternatives and RO seem to be based on 5 year averages. How was the worst year considered? Generally, in conformity analysis you look at emission per year of construction and operation and compare to threshold.	Medium	Accuracy of Approach	Provide additional information and discussion in document.	Concur	Worst-case and steady state were both analyzed. Steady state emissions are based on the worst case emissions operating year. This has been clarified in Appendix L, Section L.1.	Updated Pre-Final (2/23/26)	Katie Magoun		Comment closed.	N/A
112	Kevin Shelton, Black & Veatch	Environmental Science	Main Report	FS-EA, 5.16.2	5-19		Consider including acreage totals for the proposed perpetual easement and permanent property acquisitions associated with the TPS. While long-term impacts are associated with the proposed land conversion, beneficial impacts include improved flood risk management and community resilience, to sustain socioeconomic prosperity. Consider including these beneficial impacts from the proposed nature-based solutions.	Low	Recommend adding information	Provide additional information.	Concur	Will add general estimate of PAE and TCEs for Alternatives and basic explanation of beneficial impacts to support community resiliency. Updated text: Perpetual Easements would be needed at three parcels under Alternative A (approximately 2.2 acres), four parcels each under Alternatives B and C (approximately 2.2 acres each), and six parcels under Alternative RO (approximately 2.8 acres). Fee Estate Acquisition (i.e., permanent property acquisition) would be needed at two parcels for Alternative A (less than 1 acre), six parcels for Alternative B (approximately 4.9 acres), eight parcels for Alternative C (approximately 726 acres), and eleven parcels for Alternative RO (approximately 1.7 acres).	Updated Pre-Final (2/23/26)	Katie Magoun		Comment closed.	Yes
113	Kevin Shelton, Black & Veatch	Environmental Science	Main Report	FS-EA, 5.17.1	5-20		Consider restating the 721 acres of private land conversion are currently zoned agricultural (pasture?) land and explain the anticipated visual nature of the proposed nature-based features to augment the stated conclusion that impacts to visual resources are expected to be minor. Consider deleting "temporary" as an impact description as the proposed conversion of ag land will be permanent.	Low	Clarity	Modify text.	Concur	Will add discussion about Hillsboro visual resources effects as minor and will remove temporary. Updated text: Construction of nature-based measures proposed under Alternatives B and C, notably the Hillsboro Watershed Stormwater Storage Capacity Improvement measure, would be more perceptible since this site is an existing agricultural site that is visible from surrounding roadways and nearby properties.	Updated Pre-Final (2/23/26)	Katie Magoun		Comment closed.	Yes
114	Kevin Shelton, Black & Veatch	Environmental Science	Main Report	FS-EA, 5.20.1	5-24		Consider restating the need for the proposed action as summarized in Section 1.0 Introduction and the reasonably foreseeable adverse impacts of no action, such as increased flooding, saltwater intrusion, and shifting water levels that may resulting in significant physical, hydrological, demographic, economic changes, and increased flood risk. Consider restating that no residential structures are proposed for acquisition under any of the alternatives and anticipated outcomes of the TSP include maintaining quality of life, socioeconomic prosperity, and community resiliency in the Study Area.	Low	Clarity	Provide additional information.	Concur	Will add recommended additions. Updated text: Reasonably foreseeable adverse impacts of the No Action Alternative such as increased flooding, saltwater intrusion, and shifting water levels are expected that may result in significant physical, hydrological, demographic, economic changes, and increased flood risk .	Updated Pre-Final (2/23/26)	Katie Magoun		Comment closed.	Yes
115	Kevin Shelton, Black & Veatch	Environmental Science	Main Report	FS-EA, 5.22.1	5-25		The conclusion statement does not consider the proposed private land acquisition that is not currently dedicated to water management.	Low	Clarity	Provide additional information.	Concur	Will add discussion about private land acquisition not dedicated to water management if applicable. Updated text: The project would be implemented primarily within the existing ROW; however, minor additional easements or property acquisition may be sought, as needed, to support construction and OMRR&R .	Updated Pre-Final (2/23/26)	Katie Magoun		Comment closed.	Yes
116	Kevin Shelton, Black & Veatch	Environmental Science	Main Report	FS-EA, 5.23.1	5-26		Verify the accuracy of the fourth sentence in this section. Are the proposed canal conveyance improvements and proposed stormwater storage features projects all within the footprint of the existing WCS?	Low	Accuracy	Verify statement.	Concur	Will modify to state that these features are within the action area (existing service area of the C&SF WCS) Updated text: The proposed action consists of improvements to existing water control infrastructure, including construction of new WCS and operational changes to current water management practices within the existing service area of the C&SF WCS and action area of the Section 203 Study.	Updated Pre-Final (2/23/26)	Katie Magoun		Comment closed.	Yes
117	Kevin Shelton, Black & Veatch	Environmental Science	Appendix B	B.1.21	B.1-123	24	modify this sentence – ", the Florida SHPO determined that the canal was ineligible for the NRHP because it lacked notable engineering factures (typo) and it had also been modified from its original design (add this clarification)."	Low	Clarity	Modify text.	Concur	OBE as this has previously been revised to "features"	Updated Pre-Final (2/23/26)	Katie Magoun		Comment closed.	N/A

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118	Kevin Shelton, Black & Veatch	Environmental Science	Appendix B	B.3.21.2	B.3-174	23-25	"In addition, the excavations of the culverts would run under the historic FEC railway tracks and Dixie Highway. Therefore, the excavation of the culverts would avoid any ground disturbances that would threaten the integrity of both cultural resources." – should be reworded for clarity, even though this area was previously disturbed. Suggested: "The excavations of the culverts under the historic FEC railway tracks and Dixie Highway would create temporary ground disturbance at these cultural resources, but will not adversely affect the integrity of these resources."	Low	Clarity	Modify text.	Concur	Text revised but in lieu of cultural resources, changed to "historic properties".	Updated Pre-Final (2/23/26)	Katie Magoun		Comment closed.	N/A
119	Kevin Shelton, Black & Veatch	Environmental Science	Appendix B	B.1.21	B.1-122	10	"The route has been the subject of eight cultural resource surveys from 2008 and 2021." Please clarify, were there 8 surveys between these years or did the surveys take place in just these years?	Low	Clarity	Modify text.	Concur	Revised text to clarify that 8 surveys have occurred in this timeframe.	Updated Pre-Final (2/23/26)	Katie Magoun		Comment closed.	N/A
120	Kevin Shelton, Black & Veatch	Environmental Science	Appendix B	B.1.21	B.1-123	3	Typo? – "four lands". I assume they meant "lanes" unless they're talking about surrounding land parcels, should be fixed as it makes the discussion confusing	Low	Clarity	Modify text.	Concur	OBE as this has previously been revised to lanes.	Updated Pre-Final (2/23/26)	Katie Magoun		Comment closed.	N/A
121	Elias Pouladian, Black & Veatch	Civil Engineering	Appendix H	General			Recommend updating placeholders and bracketed text	Low	Missing Information and clarity	Modify text.	Concur	The placeholders and bracketed text will be updated for the Final Report to be published in April 2026.	Final (April 2026)	Raymond Sciortino	Clarification on placeholders added on title page of Appendix H.	Comment closed.	Yes
122	Elias Pouladian, Black & Veatch	Civil Engineering	Appendix A; Annex G	A.9.3.6			Confirm Exposure Category C is accurate for all structures' wind designs. Some of the structures are located close to large bodies of water or land with limited obstructions nearby.	Medium	Accuracy of wind design	Verify correct exposure category was applied.	Concur	Wind exposure category C has been confirmed for all spillway and pump station sites. S-36 is the only site with the potential to be exposure category D due to the close proximity of Emerald Lake and Blue Heron Lake. However the flat water surface does not prevail in the upwind direction by more than 5,000 feet (as defined in ASCE 7-22), therefore exposure category C has been selected for this site.	N/A	N/A	Resolved.	Comment closed.	Yes
123	Elias Pouladian, Black & Veatch	Civil Engineering	Appendix A; Annex G	A.9.3.6			Confirm that SFWMD Design Guidelines (DG) are being used when designing the structures and buildings. Namely, the amplification of Category IV structures to achieve increased nominal Mean Recurrence Intervals (MRI) as noted in the DG. Other modifications may pertain to the overall design.	High	Consideration of SFWMD guidelines	Verify consideration of design guidelines.	Concur	Confirmed that all spillway and pump station designs are in compliance with the SFWMD Design Guidelines (current) as well as the applicable codes listed in Appendix A. Confirmed that the wind speed has been amplified to achieved the increased MRI as required per the SFWMD Design Guidelines. Please reference the wind design criteria in the structural general notes in the drawings for the adjusted wind speed.	N/A	N/A	Resolved.	Comment closed.	Yes
124	Elias Pouladian, Black & Veatch	Civil Engineering	Appendix A - Annex F-2				Consider including a Mass Concrete specification section for the larger slab pours with detailed requirements for Thermal Control Plans. It may be helpful to discuss Lessons Learned from C-43 Reservoir construction with SFWMD and JTech.	Medium	Mass Concrete specification to be considered.	Add specification and consider coordinating lessons learned discussion.	For Info Only	Specific requirements related to mass concreting are currently covered in specification section 03300 - Cast-in-place Concrete. It should be noted that this spec. section will not be tailored for the project until the PED phase. However, Mass Concrete notes are currently provided in the structural general notes in the drawings. These notes provide general requirements for mass concreting operations.	N/A	N/A	Resolved.	Comment closed.	Yes

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125	Michael Nellis, Black & Veatch	Mechanical Engineering		C-1 Conceptual Design Drawings from Draft Report - Exempt_1190713b_Annex_C-1_WCS_Construction_Phasing_Plans	3 of 30 12 of 30 15 of 30 24 of 30		Quantity of 25'-0" wide gated spillway bay needs to be updated from 1 to 4. Quantity of 25'-0" wide gated spillway bay needs to be updated from 1 to 2. Add Quantity of 3 for 25'-0" wide gated spillway and include quantity and flow of each pump. Quantity of 20'-0" wide gated spillway bay needs to be updated from 1 to 4. Only 3 pumps are shown on drawing, however 4 are listed on drawing, update accordingly.	Medium	Accuracy	Update drawings	Concur	Please be aware that as stated in the second to last paragraph of Section A.1, the conceptual design drawings that were published as part of the Draft Report issued in Nov. 2025, are included in Annex C-1 for historical documentation purposes, and the conceptual design drawings in Annex C-1 have been superseded by the 30% design drawings in Annex F-1. <u>Page 3 of 30:</u> Quantity is correct because in Phase 2 of the sequence only one spillway bay will be constructed within the cofferdam as shown. Drawing to remain unchanged. <u>Page 12 of 30:</u> <b>Quantity on drawing will be updated from 1 to 2 for pages 11 and 12.</b> <u>Page 15 of 30:</u> Quantity is correct, because in Phase 2 of the sequence only one spillway bay will be constructed within the cofferdam as shown. Flow of each pump will not be added, since this info is already provided in the S-37A Improvements site plan in Annex C-1. Drawing to remain unchanged. <u>Page 24 of 30:</u> <b>The text for the auxiliary pump will be removed from the callout on this drawing.</b>	Updated Pre-Final (2/23/26)	Raymond Sciortino		Comment closed.	Yes
126	Michael Nellis, Black & Veatch	Mechanical Engineering		D-1 Plumbing-HVAC Design Calcs - EXEMPT_1190713a_Annex_D-1_S13_Prelim (30%) Design HVAC Calcs_PS.pdf	1 of 75		1.1 OA Ventilation requirements: Space Usage Defaults - ASHRAE Std 62.1-2013. Update to current edition.	Low	Accuracy	Update reference.	Concur	Reference on calculation sheet has been updated to reflect ASHRAE 62.1 -2019 and Table 403.3.1.1 in the 2023 Florida Mechanical Code!	Updated Pre-Final (2/23/26)	Nick Hill		Comment closed.	Yes
127	Michael Nellis, Black & Veatch	Mechanical Engineering		D-1 Plumbing-HVAC Design Calcs - EXEMPT_1190713a_Annex_D-1_S13_Prelim (30%) Design HVAC Calcs_PS.pdf	5 of 75 11 of 75		1.1 OA Ventilation requirements: OA Requirement 1 - 0.0 CFM/person. Update required OA values per ASHRAE and FBC.	Low	Accuracy	Update requirements	Clarified	A note has been added explaining the reasoning behind 0CFM/person. A value of 0cfm/person was assigned under certain small spaces as ASHRAE 62.1 does not have a value assigned under this category. JTech's design does take into consideration the exhaust flow rate and will provide the same amount, as fresh air.	Updated Pre-Final (2/23/26)	Nick Hill		Comment closed.	Yes
128	Michael Nellis, Black & Veatch	Mechanical Engineering		D-1 Plumbing-HVAC Design Calcs - Plumbing Calculations			Emergency Eyewash / Shower will be installed at S-13, S-37A, S-36, S-33 and G-54. Confirm supply water pipe size and drain pipe size has accounted for these.	Low	Accuracy	Verify appropriate sizing.	For Info Only	Number and location of emergency showers will be determined during the PED phase. Section A.15.4 has been revised to state this.	N/A	N/A		Comment closed.	Yes
129	Michael Nellis, Black & Veatch	Mechanical Engineering		F-1 Design Plans - EXEMPT_1190713b_Annex_F-1_G54_Imprv_DRAFT_Prelim_Plans	116 of 281 M204		Update quantities on key notes to match what is shown on drawing. Example = Drawing shows 3 tanks and states (TYP OF 2).	Low	Accuracy and clarity	Review to assure consistency and accuracy.	Concur	Quantities will be updated.	Updated Pre-Final (2/23/26)	Nick Hill		Comment closed.	Yes
130	Michael Nellis, Black & Veatch	Mechanical Engineering		F-1 Design Plans - EXEMPT_1190713b_Annex_F-1_G54_Imprv_DRAFT_Prelim_Plans	138 of 281 M602		STOG LOG and TRASH RACK AND RAKE Schedules are also shown on pg 137 of 281. Recommend removing duplicate schedules.	Low	Clarity	Remove duplicate schedule.	Concur	Duplicate schedules will be removed.	Updated Pre-Final (2/23/26)	Max Hernandez		Comment closed.	Yes

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131	Michael Nellis, Black & Veatch	Mechanical Engineering		F-1 Design Plans - EXEMPT_11907 13b_Annex_F-1_G54_Imprv_DRAFT_Prelim_Plans	142 of 281 H001		INDOOR DESIGN CONDITIONS Table. Restroom is not being conditioned, need to update Summer (Cooling) values accordingly.	Low	Accuracy	Revise cooling values.	Concur	Values will be updated.	Updated Pre-Final (2/23/26)	Nick Hill		Comment closed.	Yes
132	Michael Nellis, Black & Veatch	Mechanical Engineering		F-1 Design Plans - EXEMPT_11907 13b_Annex_F-1_G54_Imprv_DRAFT_Prelim_Plans	156 of 281 H601		EXHAUST FAN SCHEDULE - EF-47270 Mark is used for both Restroom Exhaust Fan and Generator Room Exhaust Fan. Update number on schedule and plan view drawing for Restroom Exhaust Fan so it has a unique mark #.	Low	Clarity	Revise number.	Concur	Unique values will be shown.	Updated Pre-Final (2/23/26)	Nick Hill		Comment closed.	Yes
133	Michael Nellis, Black & Veatch	Mechanical Engineering		F-1 Design Plans - EXEMPT_11907 13b_Annex_F-1_G57_Imprv_DRAFT_Prelim_Plans	15 of 151 C111		Keynote #17 is pointing to LPG tank for generator. Renumber keynote and add description.	Low	Clarity	Modify text.	Concur	Keynote will be updated.	Updated Pre-Final (2/23/26)	Nick Hill		Comment closed.	Yes
134	Michael Nellis, Black & Veatch	Mechanical Engineering		F-1 Design Plans - EXEMPT_11907 13b_Annex_F-1_G57_Imprv_DRAFT_Prelim_Plans	84 of 151 M003 104 of 151 H101		Drawing M003 shows generator with Fuel Oil supply and return lines. H101 shows Propane tank. Remove generator diagram from M003.	Low	Clarity	Modify plan.	Concur	Diagram will be removed.	Updated Pre-Final (2/23/26)	Nick Hill		Comment closed.	Yes

**Appendix C - Statement of Technical Review**

<b>COMPLETION OF AGENCY TECHNICAL REVIEW</b>	
<p>This Statement of Technical Review has been completed by the ATR Team for the C&amp;SF Flood Resiliency (Section 203) Study for Broward Basins, Broward County, Florida. This includes a brief summary of the review including any significant and unresolved issues, future commitments, the charge questions, a brief overview of ATR reviewers and a printout of all review comments with resolution. The ATR was conducted as defined in the project's work plan to comply with the requirements of ER 1165-2-217. During the ATR, compliance with established policy principles and procedures, utilizing justified and valid assumptions, was verified. This included review of: assumptions, methods, procedures, and material used in analyses, alternatives evaluated, the appropriateness of data used and level obtained, and reasonableness of the results, including whether the product meets the customer's needs consistent with law and existing USACE policy. All comments resulting from the ATR have been resolved and are attached.</p>	
<b>SIGNATURES:</b>	
	April 24, 2026
Charlotte Haberstroh, PhD, P.E. ATR Team Lead Black & Veatch	Date
	April 24, 2026
David Griffin, CFM, PWS Resiliency Project Manager South Florida Water Management District	Date
	April 24, 2026
Angela Prymas, P.E. Engineer Project Manager Black & Veatch	Date
1 of 1	

**Appendix D - ATR Certification**

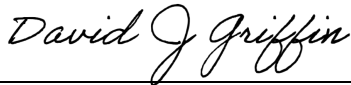
**CERTIFICATION OF AGENCY TECHNICAL REVIEW**

SUBJECT: Agency Technical Review (ATR) of the C&SF Flood Resiliency (Section 203) Study for Broward Basins, Broward County, Florida.

Significant concerns and the explanation of the resolution are as follows: There are no significant concerns or any unresolved comments.

As noted above, all concerns resulting from the ATR of the project have been fully resolved or have been elevated and documented with this certification.

**SIGNATURES:**



April 24, 2026

David Griffin, CFM, PWS  
 Resiliency Project Manager  
 South Florida Water Management District

Date



April 24, 2026

Ana Carolina Coelho Maran, Ph.D., P.E.  
 Chief of District Resiliency / Division Director, Flood Control and Water Supply Planning  
 South Florida Water Management District

Date



April 24, 2026

Charlotte Haberstroh, PhD, P.E.  
 ATR Team Lead  
 Black & Veatch

Date



April 24, 2026

Angela Prymas, P.E.  
 Engineer Project Manager  
 Black & Veatch

Date



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

# Quality Certificate of Compliance

Project Name Central and South Florida (C&SF) Flood Resiliency Study (Section 203) for Broward Basins Agency Technical Review	Contract No./Work Order No. 4600004910-WO8	Date 2/24/2026
<p>Deliverable Description</p> <p>BV provided the following documents:</p> <p>Sub-Task 4.2. ATR of Pre-Final FRS/EIS</p> <p>This provides a final review report of the ATR conducted for the Pre-Final documents of the FRS/EA. The subject matter experts serving on the ATR Team, approved by SFWMD and USACE, reviewed the provided documents following the procedures outlined in the Work Plan (Task 1). This document summarizes the comments and observations and provides feedback about the significance and implications for the Broward County Resiliency Study.</p>		

Black & Veatch \_\_\_\_\_ has completed preparation of the above referenced  
Consultant Name

deliverable and herein submits it to the South Florida Water Management District (SFWMD) in accordance with the requirements of the referenced Work Order. It has been verified that this submittal includes all required components of the deliverable. Where required components are not submitted, an explanation and schedule for submitting the missing component(s) has been provided. Notice is hereby given that all quality control activities, appropriate to the level of risk and complexity inherent in the Project, have been completed. Compliance with established procedures as documented in the Project's Quality Control Plan submitted to the SFWMD has been verified.

**This certification in no way relieves/replaces/changes/impacts/mitigates the contractual requirements to follow the consultant's own Quality Assurance/Quality Control (QA/QC) processes and procedures.**

Consultant Quality Manager (Print) Jon M. Dinges	Consultant Quality Manager (Signature) 	Date 2/24/2026
Consultant Project Manager (Print) Angela Prymas	Consultant Project Manager (Signature) 	Date 2/24/2026



**M.1.2 Independent External Peer Review**

# Comment Response Record for the Independent External Peer Review (IEPR) of the Central and Southern Florida Flood Resiliency Study Section 203 for Broward Basins

Prepared by  
Battelle Memorial Institute  
505 King Avenue  
Columbus, Ohio 43201

Prepared for  
South Florida Water Management District  
3301 Gun Club Road  
West Palm Beach, FL 33406

Purchase Order No. 4500154923

February 19, 2026

## Final Panel Comment 1

**Freeboard is explicitly prohibited under ER 1105-2-101 Section 8 as a method for accounting for uncertainty in the planning and formulation of USACE flood risk management projects.**

### Basis for Comment

Section 4.3 of the DIFR/EE states:

"Design flood elevations were based on the highest base flood elevation within the NFIP map or Broward County ordinance, with American Society of Civil Engineers' freeboard requirements applied according to structure type."

ER 1105-2-101, Section 8 clearly states that freeboard is no longer allowed as a method for accounting for uncertainty in the planning, design, and formulation of Federal flood risk management projects (USACE, 2019a).

Adding freeboard to a design flood event is a planning concept that was aimed at achieving Level of Performance (LOP) such that a FRM measure could contain or convey a benchmark event with a 90% assurance. The recurrence interval of that benchmark event was then used to express the performance of the measures designed to protect against it.

The use of HEC-FDA to model flood events that include freeboard circumvents the probabilistic approach of explicitly calculating the uncertainty of performance against a full range of event recurrence intervals. The addition of freeboard (or any other methods to improve performance) to structural solutions also distorts the economic performance of the measure by preventing calculation of flood risk reduced by the freeboard itself. Thus, a "100-year with freeboard" system would provide some probability of protection against less frequent, and likely more damaging, events than the 100-year. However, when calculating benefits this approach would result in the omission of the economic value of the risk reduction provided by freeboard while still carrying the incremental cost of the measures providing the desired LOP.

### Significance – High

Use of freeboard is not permitted under USACE guidance and directly affects performance uncertainty, the Benefit-Cost Ratio (BCR), and net benefit calculations of the TSP.

### Recommendation for Resolution

1. Remove the reference to use of freeboard in Section 4 of the DIFR/EE.
2. Remove any additional elevation to flood stages in the H&H modeling inputs to the HEC-FDA model for the No Action and alternatives.
3. Remove any structural design features added to measures that were included to specifically account for hydraulic and hydrological uncertainty.
4. Include a statement that freeboard was not used to account for hydraulic or hydrologic uncertainty.

**Literature Cited**

USACE (2019a). Engineer Regulation (ER) 1105-2-101 - Risk Assessment for Flood Risk Management Studies - <https://www.publications.usace.army.mil/Portals/76/Users/182/86/2486/ER201105-2-101>

PDT Final Evaluator Response (FPC #1)			
<input checked="" type="checkbox"/>	<b>Concur</b>	<input type="checkbox"/>	<b>Non-Concur</b>
<b>Explanation:</b> The use of freeboard was incorrectly stated in the draft report. No freeboard or additional elevation to flood stages was added in the H&H modeling inputs to the HEC-FDA model. Freeboard was not applied to account for uncertainty in the planning and formulation of this study.			
<b>Recommendation 1:</b>	<input checked="" type="checkbox"/>	<b>Adopt</b>	<input type="checkbox"/>
<b>Explanation:</b> Removed reference of freeboard in Section 4 of the main report and provided clarification, as appropriate.			
<b>Recommendation 2:</b>	<input type="checkbox"/>	<b>Adopt</b>	<input checked="" type="checkbox"/>
<b>Explanation:</b> No additional elevation to flood stages was added in the H&H modeling inputs to the HEC-FDA model.			
<b>Recommendation 3:</b>	<input type="checkbox"/>	<b>Adopt</b>	<input checked="" type="checkbox"/>
<b>Explanation:</b> No structural design features was added to measures and no measure was included to specifically account for hydraulic and hydrological uncertainty.			
<b>Recommendation 4:</b>	<input checked="" type="checkbox"/>	<b>Adopt</b>	<input type="checkbox"/>
<b>Explanation:</b> Included a statement in both Appendix A and Appendix D that freeboard was not used to account for hydraulic or hydrologic uncertainty.			
Panel Final BackCheck Response (FPC #1)			
<input checked="" type="checkbox"/>	<b>Concur</b>	<input type="checkbox"/>	<b>Non-Concur</b>
<b>Explanation:</b> The proposed changes to the decision documents regarding the use of freeboard addresses the Panel's concerns for this comment.			

## Final Panel Comment 2

**Presentation and discussion of the Non-Exceedance Probability and the Probability of Economic Performance of the TSP were not provided, as required by ER 1105-2-101.**

### Basis for Comment

This matter is related to the use of freeboard in the planning and development of the design flood elevation(s). The probabilistic method of investigating flood risk reduction projects replaces the legacy approach that sought to deliver specific LOP. The LOP approach is no longer allowed as stated in ER 1105-2-101, Section 8 (USACE, 2019a).

Once freeboard is removed from design consideration and HEC-FDA is freed from constraint of containing specific flood events, the full range of flood risk reduction possibilities can be evaluated and communicated. That evaluation is made possible within HEC-FDA, which produces data describing sources of uncertainty, including hydrology, hydraulics, and economic data. HEC-FDA also prepares the data for presentation and display.

The metrics are then communicated with a fully developed "Risk and Uncertainty" section in the final feasibility report and technical appendices. Presentation of conditional non-exceedance probabilities (e.g., Conditional Non-Exceedance Probability [CNP] or Assurance) and probabilities of economic performance such as long-term exceedance probability (LTEP) for the TSP are metrics that are required by ER 1105-2-101 (USACE, 2019a) to be graphically displayed and discussed in the Risk and Uncertainty section of the final feasibility report.

The means of accessing and producing these metrics are in the documentation for the HEC-FDA application. Example displays of the data for use in reports are provided in ER 1105-2-101, Appendix A (USACE, 2019a). The displays must be accompanied by discussion that identifies strengths and weaknesses in expected future scenarios using probabilities and performance under various flood events and the discussion must acknowledge residual risk associated with the TSP.

### Significance – Medium

The CNP and LTEP displays are necessary to demonstrate that the feasibility investigations followed a probabilistic approach to reducing flood risk and required by USACE technical guidance.

### Recommendation for Resolution

1. Use HEC-FDA's export and reporting capabilities to produce the CNP/Assurance and LTEP displays.
2. Develop a new section in Appendix D, Annex D-1 to document and display data as suggested and shown in ER 1105-2-101.
3. Develop a new section in the DIFR/EE (suggested Section 4.5.4) including the displays and discussion required by ER 1105-2-101.

### Literature Cited

USACE (2019a). Engineer Regulation (ER) 1105-2-101 - Risk Assessment for Flood Risk Management Studies - <https://www.publications.usace.army.mil/Portals/76/Users/182/86/2486/ER201105-2-101>

PDT Final Evaluator Response (FPC #2)			
<input checked="" type="checkbox"/>	<b>Concur</b>	<input type="checkbox"/>	<b>Non-Concur</b>
<p><b>Explanation:</b> Discussion of the Non-Exceedance Probability and the Probability of Economic Performance of the TSP was added to Appendix D, as required by ER 1105-2-101. Please note that additional freeboard was not adopted in the planning and development of the design flood elevation(s). In addition, the ER provision largely applies to levee failure scenarios, and this study formulation is focused on maintaining infrastructure conveyance capability in the face of changed conditions. Finally, the use of the required HEC-FDA Version 2.0.1 limits reported information relative to the previous Version 1.4.3. Despite this limitation, performance was characterized as practicable consistent with the guidance and added and summarized in the report.</p>			
<b>Recommendation 1:</b>	<input type="checkbox"/>	<b>Adopt</b>	<input checked="" type="checkbox"/> <b>Not Adopt</b>
<p><b>Explanation:</b> A section titled “Results from Risk Assessment” was added to Appendix D, Annex D-1, presenting CNP/Assurance and LTEP displays, as well as other performance values, generated using information reported by HEC-FDA Version 2.01. This version does not contain the same capabilities of version 1.4.3 and, therefore, CNP/Assurance and LTEP information were manually developed.</p> <p><b>Note:</b> On January 15, 2025, as part of the executed SFWMD/USACE-SAJ technical support contract, SFWMD was informed by Jason Engle, Water Resources Branch Chief at SAJ, that USACE had developed a transition plan in December 2024 to provide guidance for moving from HEC-FDA Version 1.4.3 to Version 2.0. This transition guidance was coordinated at the highest levels of USACE and informed through coordination among FRM-PCX, HQUSACE, ASA and HEC. At that time, SFWMD had not yet identified a Tentatively Selected Plan (TSP) for the study. Consistent with USACE guidance, SFWMD elected to transition to HEC-FDA Version 2.0.1 for this analysis.</p>			
<b>Recommendation 2:</b>	<input checked="" type="checkbox"/>	<b>Adopt</b>	<input type="checkbox"/> <b>Not Adopt</b>
<p><b>Explanation:</b> The new added section documents and displays risk assessment results following the examples and guidance provided in ER 1105-2-101. A complete LifeSIM assessment was not conducted in this study, therefore, this part of display was not included.</p>			
<b>Recommendation 3:</b>	<input checked="" type="checkbox"/>	<b>Adopt</b>	<input type="checkbox"/> <b>Not Adopt</b>
<p><b>Explanation:</b> Refer to the new section titled “Results from Risk Assessment” in Annex D-1. Results were summarized, referencing Annex D-1, in Section 6.6, project risks.</p>			
Panel Final BackCheck Response (FPC #2)			
<input checked="" type="checkbox"/>	<b>Concur</b>	<input type="checkbox"/>	<b>Non-Concur</b>

### Final Panel Comment 3

**Important data describing the uncertainty of the HEC-FDA modeling, including stage-frequency curves, were not provided and could not be evaluated for completeness or correct usage.**

#### Basis for Comment

Appendix D of the DIFR/EE does not include data that helps understand the variability of the stage-frequency relationships used in the H&H engineering component of HEC-FDA, specifically the standard deviations (STDEV) of the relationships. STDEV is a measure of variability in the probability distribution of a random variable, such as flood depth associated with a given return frequency and a given area of interest. Factors that are likely to contribute to flood depth uncertainty include differences in land use, channel features, flow rate, friction, elevation differences within an area of interest, building characteristics and others.

The DIFR/EE and Appendices describe the study area as having some diversity in land use, including open green space to commercial and urban landscapes. Without the STDEV the Panel cannot determine if the diverse geography and land use in the study area is accounted for in the DIFR/EE. There is also no indication that the same stage-frequency curves were utilized across all areas of interest or if separate curves were used for each. The missing descriptive statistics for the stage-frequency curves and lack of discussion of how the curves were applied affect understanding and use of the curves.

In the Papillion Creek and Tributaries General Reevaluation Report (USACE, 2019b), each area of interest was assigned a stage frequency relationship along with a STDEV that reflected the unique causes of stage uncertainty for that area. It seems reasonable that a similar disaggregation within the Broward Basins study area would yield more accurate view of stage variability and total risk.

#### Significance – Medium

Improper application of stage-frequency curves could affect future without project (FWOP) damages and benefits attributable to alternative plans, including the TSP.

#### Recommendation for Resolution

1. Include the stage-frequency STDEV for each curve employed in HEC-FDA.
2. Discuss reasons for differences in slope, STDEV and why each curve was appropriate and reasonable for application in each area of interest.
3. Discuss whether the curves are characterized by heteroskedasticity and whether the condition was significant enough to use different STDEV for points along the curves.

#### Literature Cited

USACE (2019b). Papillion Creek and Tributaries Lakes, Nebraska General Reevaluation Study - <https://www.nwo.usace.army.mil/Missions/Civil-Works/Planning/Project-Reports/Article/2021854/papillion-creek-ne-draft-feasibility-report-and-ea/>.

**PDT Final Evaluator Response (FPC #3)**

**X Concur**      **Non-Concur**

**Explanation:** Data describing the uncertainty of the HEC-FDA modeling, including stage-frequency curves, was added to the report. Three sections were added to Annexes D-1 of Appendix D (Benefits Analyses) (1) A section titled "Stage Frequency Curves"; (2) Appendix D: Stage-Frequency Curves with Confidence Limits; (3) Appendix E: HEC-FDA Depth-Damage Functions with statistical distributions.

**Recommendation 1:**      **Adopt**      **X Not Adopt**

**Explanation:** HEC-FDA v2.0.1 does not compute or report a standalone standard deviation for stage-frequency relationships. Instead, uncertainty associated with stage is represented using an equivalent record length and documented graphically through stage-frequency curves with associated confidence limits, with uncertainty increasing at lower exceedance probabilities, consistent with heteroskedastic behavior. Accordingly, the following sections were added to Annexes D-1 to document uncertainty and modeling inputs used in the HEC-FDA analysis: (1) A section titled Stage-Frequency Curves, (2) Appendix D: Stage-Frequency Curves with 95% Confidence Limits; (3) Appendix E: HEC-FDA Depth-Damage Functions with associated statistical distributions.

**Recommendation 2:**      **X Adopt**      **Not Adopt**

**Explanation:** The report was updated to include the following discussions.

For each basin, each sea level rise (SLR) condition, and each baseline and alternative scenario, a unique set of three stage–frequency curves were developed to represent the assets evaluated in the HEC-FDA analysis. These curves correspond to (1) structures (25 occupancy types), (2) roads, and (3) vehicles, with each curve derived from flood depths extracted within the spatial domains encompassing the respective asset types (e.g., roadway locations versus structural footprints).

To ensure transparency and repeatability, a Python script was developed to extract the H&H model outputs and generate the stage–frequency curves in a consistent and repeatable manner, so that results are objective and reproducible. While the stage–frequency curves were developed outside of HEC-FDA, the associated confidence limits were computed within HEC-FDA version 2.0.1 using a 50-year equivalent record length. Minor discrepancies were observed for the most frequent events when comparing the curves with the lower (2.5 percent) confidence limits; these differences are attributable to the graphical uncertainty estimation approach used by HEC-FDA and do not materially affect the overall results.

Differences in slope are mainly due to the locations used to extract flood depths and the H&H tiff files as simulated for different basins and different scenarios. Uncertainty associated with stage is documented and incorporated into the analysis through the stage-frequency relationships developed from the H&H modeling, including the associated confidence limits. These stage-frequency relationships are used by HEC-FDA v2.0.1 to propagate stage uncertainty through the damage calculations and resulting expected annual damage estimates.

In general, the following characteristics were observed: 1. Relative Magnitude Across Asset Types. For a given exceedance probability, road depths are generally higher than structure and vehicle depths, while structure and vehicle depths are very similar across most events. This reflects expected

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elevation differences: roadways are typically constructed at lower elevations, whereas vehicles are often located near building pads or finished floors.

**2. Monotonic Increase with Decreasing Probability**

For all three asset types, stage depth increases as exceedance probability decreases (i.e., toward rarer events). This monotonic behavior indicates internally consistent stage–frequency relationships and physically reasonable hydraulic response across the full probability range.

**3. Increasing Uncertainty for Rarer Events**

The width of the uncertainty bands (97.5% – 2.5%) increases substantially for lower-probability events (e.g., 0.0133 and below). This pattern is consistent across structures, roads, and vehicles and reflects greater uncertainty associated with rarer and more extreme flood events, a demonstration of heteroskedastic behavior.

**4. Similar Uncertainty Structure Across Asset Types**

Although absolute depths differ, the relative structure of uncertainty bands is similar across asset types, particularly for structures and vehicles. This indicates that uncertainty characterization is being applied consistently and is driven primarily by the underlying hydrologic and hydraulic uncertainty rather than asset-specific artifacts.

**5. Greater Sensitivity at High Stages**

At the lowest exceedance probabilities (e.g., 0.0023 and 0.0019), small changes in probability correspond to relatively large increases in depth. This demonstrates increased system sensitivity at high stages and confirms that the curves appropriately reflect nonlinear flood response under extreme conditions.

**6. Alignment with the overall Results**

The curves respond to project alternatives in a reasonable and expected manner. The generated damages align with the modeled depths in a hydraulically reasonable way and demonstrating sensitivity to changes in system performance and improvement.

<b>Recommendation 3:</b>	<b>X</b>	<b>Adopt</b>	<b>Not Adopt</b>
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**Explanation:** Refer to response to Comment 3.2. Relevant discussions were added to the report.

Stage uncertainty is characterized and incorporated into the stage frequency relationship and the associated confidence intervals rather than standalone measures. Uncertainty is derived from hydrologic analysis reflecting an increasing uncertainty at lower exceedance probabilities indicating heteroskedasticity with greater dispersions of stages for rarer events compared to more frequent events.

The presence of heteroskedasticity were recognized and evaluated through the examination of the stage frequency curves and the associated 95% confidence bands. These bands increase toward lower exceedance probabilities demonstrating that uncertainty itself varies along the curve. The stage–frequency curves with associated confidence limits have been added to Appendix D of Annexes D-1 and are discussed in the report to explicitly document this behavior.

Point specific standard deviations along the stage frequency curves were never developed. HEC FDA Version 2.0.1 does not output variable standard deviations as a function of exceedance probability (i.,

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can't quantify heteroskedasticity) and the study formulation relies on a single stage frequency relationship per basin-scenario combination derived from 2D H&H inputs.

Evaluating multiple standard deviations along the frequency curves would require additional information, assumptions and statistical derivations beyond the modeling framework capabilities and the available data. Given the nature of such a nonfailure, damage reduction study, we feel such an evaluation would not be significant to the decision making. Heteroskedasticity was accordingly acknowledged, qualitatively evaluated, and documented through the confidence limits on the stage frequency relationships providing a transparent representation of stage uncertainty for the purpose of this study.

**Panel Final BackCheck Response (FPC #3)**

<input checked="" type="checkbox"/>	<b>Concur</b>	<input type="checkbox"/>	<b>Non-Concur</b>
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### Final Panel Comment 4

**It is not clear that consistent Stage-Frequency curves were used across all benefit categories affected by those relationships.**

#### Basis for Comment

The Stage-Frequency curves used to compute damages and address uncertainty for one category of benefits should be the same or statistically similar to the curves used for other benefit categories. There is an implicit assumption that in any particular area of interest, the relationship between a given flood stage and its recurrence interval is the same regardless of the dollar amount of damage, business disruption, transportation loss, etc. It is not clear that this assumption holds true in the DIFR/EE, Appendix D, and its Annexes.

In the HEC-FDA section of Appendix D, there are no descriptive statistics for the relationships between stage and frequency or stage and damage at all. Section 7.2 of the Transportation Benefits Modeling Approach describes the use of standard normal distribution curves and provides descriptive statistics, including mean, standard deviation, and demonstration of insignificant heteroskedasticity.

It is not clear that these curves described in Section 7.2 are the same as (or similar to) the curves used as inputs for the H&H modeling in HEC-FDA, or that they may have been used in regional economic effects or business disruption computations.

The Panel recognizes that same/similar Stage-Frequency does not produce same/similar Stage-Damage relationships across benefit categories.

#### Significance – Medium

Consistent use of curves for stage related variables is needed so that benchmark flood events can be confidently described regardless of damage or benefit category.

#### Recommendation for Resolution

1. Check Stage-Frequency curves for consistency for each benefit category.
2. Present descriptive statistics to ensure that curves are representative and appropriate for use.

### PDT Final Evaluator Response (FPC #4)

	<b>X Concur</b>	<b>Non-Concur</b>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Explanation:** Consistent Stage-Frequency curves were used across all benefit categories. For further clarification, three sections were added to Annexes D-1 of Appendix D (Benefits Analyses)

- (1) A new section titled "Stage Frequency Curves"
- (2) Appendix D: Stage-Frequency Curves with Confidence Limits
- (3) Appendix E: HEC-FDA Depth-Damage Functions with statistical distributions

PDT Final Evaluator Response (FPC #4)			
<b>Recommendation 1:</b>	<input type="checkbox"/>	<b>Adopt</b>	<input checked="" type="checkbox"/> <b>Not Adopt</b>
<b>Explanation:</b> Consistent Stage-Frequency curves were used across all benefit categories.			
<b>Recommendation 2:</b>	<input checked="" type="checkbox"/>	<b>Adopt</b>	<input type="checkbox"/> <b>Not Adopt</b>
<b>Explanation:</b> Refer to response to Comment 3.2. The stage–frequency curves, including the associated 95% confidence limits, have been added in Appendix D of Annexes D-1 to document uncertainty and support the representativeness of the curves. In addition, the HEC-FDA depth–damage functions, along with their associated statistical distributions and relevant parameters, have been included in Appendix E.			
Panel Final BackCheck Response (FPC #4)			
<input checked="" type="checkbox"/> <b>Concur</b>	<input type="checkbox"/>	<b>Non-Concur</b>	
<b>Explanation:</b> The proposed changes to the decision documents add clarity and address the Panel’s concern for this comment.			

### Final Panel Comment 5

**The H&H modeling analyses did not evaluate the risk to project performance from extreme precipitation events that exceed historical precedent.**

#### Basis for Comment

In the Table of Assumptions for the 2035 Existing Conditions Baseline (ECB) Model and the 2085 FWOP scenario (Appendix A of Annex A-2.1, pages 102 and 111 of 119), one assumption states:

*“Change factors to derive projected future precipitation depth-duration-frequency (DDF) curves at 174 NOAA Atlas 14 stations in central and south Florida.”*

It is unclear whether this assumption explicitly accounts for future changes in precipitation intensity that will exceed historical precedents. While the DIFR/EE mentions extreme precipitation events as a potential risk to project performance, it is not evident whether these events were explicitly evaluated in the H&H modeling. This is an important consideration because the Benefit-Cost analysis relies on both the H&H and HEC-FDA modeling results.

Additionally, Table 6-33 in the main report (page 6-11) notes that the study did not account for rainfall severity beyond the values published in Atlas 14. While the table classifies future severe rainfall events as having “low likelihood” and “low uncertainty,” these events may merit further consideration because they are high-consequence future scenarios that can result in large damages and high costs.

#### Significance – Medium

If future extreme precipitation events were not considered in the H&H inputs to the HEC-FDA analysis, flooding levels may be underestimated, leading to reduced flood mitigation performance, including overtopping of some alternatives, and increased damages and costs.

#### Recommendation for Resolution

1. Clearly state in the report whether extreme precipitation events beyond historical precedent were included in the modeling.
2. If excluded, provide a qualitative assessment of how such events could affect the performance, costs, and benefits of the alternatives.

### PDT Final Evaluator Response (FPC #5)

**X Concur**

**Non-Concur**

**Explanation:** The H&H modeling analyses evaluated the risk to project performance from extreme precipitation events that exceed historical precedent, including one scenario representing a 500-yr rainfall event. The referenced sentence under “basis for comment, represents the title of the publication used as reference for the areal reduction factors applied to the rainfall depths. The document was referenced using incorrect syntax in the tables making it look like the change factors were used. To correct, the document was added to the reference section of the MDR and referenced correctly in the table.

PDT Final Evaluator Response (FPC #5)			
<b>Recommendation 1:</b>	<input checked="" type="checkbox"/>	<b>Adopt</b>	<input type="checkbox"/> <b>Not Adopt</b>
<p><b>Explanation:</b> The eight events for each sea level scenario include extreme events but are based on historical precedent. The recurrence interval of the events was studied extensively and documented and applied in the economic analysis. The formulation was approved for use by the USACE Flood Risk Management Planning Center of Expertise (FRM-PCX). This was clarified and better referenced in the MDR.</p>			
<b>Recommendation 2:</b>	<input checked="" type="checkbox"/>	<b>Adopt</b>	<input type="checkbox"/> <b>Not Adopt</b>
<p><b>Explanation:</b> In addition, a qualitative assessment of how events beyond the eight studied – including consideration of change in rainfall return frequency due to future conditions – would affect the performance, cost, and benefits of the project is under development and will be integrated as part of the Final Report.</p>			
Panel Final BackCheck Response (FPC #5)			
<input checked="" type="checkbox"/>	<b>Concur</b>	<input type="checkbox"/>	<b>Non-Concur</b>
<p><b>Explanation:</b> The Panel accepts the PDT’s explanation that the incorrect syntax in the tables was inadvertently used in the report, and that, as a corrective action, the PDT added the publication’s title to the MDR’s reference section.</p>			

## Final Panel Comment 6

**Inflation was considered in the evaluation of project alternatives, but a discussion of how inflationary conditions may impact plan formulation was not clearly or consistently provided.**

### Basis for Comment

Table 3-2 and Table 6-33 of the DIFR/EE, along with various parts of Appendix D, mention inflation, and/or the prospect of escalating prices over the planning period as a risk factor in the economic feasibility investigations for this project. This leaves the impression that inflation could affect selection of the TSP, but the decision documents do not explain how inflation was (or could be) considered.

While inflation expectations represent a significant factor in making investments having future cash flows, the future rate of inflation is very difficult to forecast beyond a year or two with any degree of confidence. The rate of inflation may also vary by region with localized acceleration or deceleration according to conditions in the immediate area.

It is only necessary to present all values in current fiscal year dollars after the values have been adjusted for escalation (or de-escalation) that has occurred since benefits and costs were last estimated. This practice compares the relative advantages and disadvantages of the broad array of projects that are being planned and/or under construction. It allows decision-makers to compare projects using the most recent figures with confidence that the values are accompanied by the best available present-day knowledge of specific project risk and uncertainty.

### Significance – Medium/Low

Attempting to forecast inflation and use real dollar values could affect the relative merits of alternatives and result in selection of a TSP that does not deliver the greatest net benefits.

### Recommendation for Resolution

1. Remove references to consideration of inflation as a risk factor that could affect selection of a TSP.
2. Ensure that all dollar values for benefits and costs are expressed in current fiscal year dollars and reasonably include changes in cost estimates that have occurred as a result of inflation over the past.
3. Compare alternatives to each other and the FWOP without regard to expectations of future inflation.

## PDT Final Evaluator Response (FPC #6)

<b>X</b>	<b>Concur</b>	<b>Non-Concur</b>
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**Explanation:** A discussion of how inflationary conditions may impact plan formulation was added to the report.

<b>Recommendation 1:</b>	<b>X</b>	<b>Adopt</b>	<b>Not Adopt</b>
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**PDT Final Evaluator Response (FPC #6)**

**Explanation:** Discussion of risk and references to consideration of inflation as a risk factor were removed.

**Recommendation 2:**     **Adopt**     **Not Adopt**

**Explanation:** An additional tech memo is being developed and will be attached to the report to demonstrate the final array analysis comparison at the current FY price level.

**Recommendation 3:**     **Adopt**     **Not Adopt**

**Explanation:** An expanded alternatives comparison, as recommended, will be added to summarize tech memo reflecting benefits at current FY price level.

**Panel Final BackCheck Response (FPC #6)**

**Concur**     **Non-Concur**

### Final Panel Comment 7

**The Panel could not determine if future changes in precipitation or future changes in water supply demand were incorporated into the H&H modeling.**

#### Basis for Comment

Annex A 2.1 Model Documentation Report page 17 of 119 indicates that the modeling included future land use, planned projects, projected sea level rise, tidal boundaries, and increased initial groundwater elevations due to sea level rise. However, it is unclear:

- a) Whether and how future changes in precipitation were accounted for in the modeling.
- b) Whether and how future changes in water supply demand were accounted for in the modeling.

Failure to incorporate these factors in the H&H modeling could result in inaccurate estimates of future flood levels, flood duration, and the effectiveness of flood-reduction alternatives.

#### Significance – Medium/Low

Omission of future changes in precipitation and water supply demand from the H&H modeling may distort estimates of flood damages, as well as the benefits and costs of alternatives.

#### Recommendation for Resolution

1. Clarify in the report whether future changes in precipitation and water supply demand were incorporated into the H&H modeling.
2. If one or both (i.e., future changes in precipitation and water supply demand) were excluded:
  - a) Provide a qualitative assessment of how these omissions could affect flood damages and alternatives' costs and benefits.
  - b) Include the associated risk in the Risk Register.

### PDT Final Evaluator Response (FPC #7)

<b>X</b>	<b>Concur</b>	<b>Non-Concur</b>
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**Explanation:** A description on how future changes in precipitation and future changes in groundwater levels were incorporated/clarified into the report. The Assumption tables in Appendix A-2.1 Model Documentation Report state that no water supply pumping and irrigation is included in the model. Water supply pumping is a minor driver for storm event modeling (3-day event rainfall) and would not vary between with and without project. Increase in initial groundwater levels due to sea level rise is being assumed to account for a loss in storage capacity under future conditions because surface and subsurface groundwater interaction is high in south Florida. Future rainfall values were not included in the H&H modeling formulation and, therefore, was not described in the Model Documentation Report. The eight events for each sea level scenario include extreme events based on historical precedent and include a 500-yr event. The formulation was approved for use by the USACE Flood Risk Management Planning Center of Expertise (FRM-PCX). A qualitative assessment of how events beyond the eight studied – including consideration of change in rainfall return frequency due to future conditions – would

**PDT Final Evaluator Response (FPC #7)**

affect the performance, cost, and benefits of the project is under development and will be integrated as part of the Final Report

**Recommendation 1:**     **Adopt**     **Not Adopt**

**Explanation:** The Assumption tables in Appendix A-2.1 Model Documentation Report state that no water supply pumping and irrigation is included in the model. Future rainfall was not included in the H&H modeling formulation and, therefore, was not described in the Model Documentation Report. A qualitative assessment of how events beyond the eight studied – including consideration of change in rainfall return frequency due to future conditions – would affect the performance, cost, and benefits of the project is under development and will be integrated as part of the Final Report.

**Recommendation 2:**     **Adopt**     **Not Adopt**

**Explanation:** . A qualitative assessment of how events beyond the eight studied – including consideration of change in rainfall return frequency due to future conditions – would affect the performance, cost, and benefits of the project is under development and will be integrated as part of the Final Report. A risk might be added to the risk register, depending on the results of the assessment. This assessment, under development, might include a quantitative sensitivity test, depending on confirmation of available resources to complete it on time.

**Panel Final BackCheck Response (FPC #7)**

**Concur**     **Non-Concur**

**Final Panel Comment 8**

**Risks to the TSP related to uncertainty in sea level change were not discussed or evaluated, even though they could significantly impact project costs and benefits.**

**Basis for Comment**

Section 6.6 (Project Risks) of the DFIR/EE briefly addresses risks and uncertainties associated with the Section 203 Study. However, it does not address uncertainty in sea level change. Given the generally flat terrain in the project area, deviations from the sea level change values used in the study could result in:

- a) Reduction in performance at select portions of the alternatives.
- b) Changes in damages, costs, and benefits for the alternatives.
- c) Increases or decreases in the BCR.

**Significance – Medium/Low**

If future sea level change exceeds the values applied in the modeling, the BCR could drop below 1.0, rendering the alternative no longer viable.

**Recommendation for Resolution**

- 1. Include an assessment of sea level change uncertainty in the report.
- 2. Provide a qualitative evaluation of potential effects on project costs and the TSP due to sea level change uncertainty.
- 3. Add the risk associated with sea level change uncertainty to the Risk Register.

**PDT Final Evaluator Response (FPC #8)**

Concur	X	Non-Concur
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**Explanation:** The formulation section (Chapter 4) encompasses quantitative evaluation of future conditions for low, intermediate and high sea level rise (SLR) and demonstrates the TSP’s efficacy across a broad range of potential future conditions accounting for the uncertainty. The three scenarios are also consistent with Florida Statutes requirements (Chapter 380.093 F.S.) for consideration of sea level rise scenarios. The District, as directed by USACE on recent studies, has been following the low/intermediate/high projections, as such, evaluations of beyond the high curve have been unwarranted.

<b>Recommendation 1:</b>	<b>Adopt</b>	<b>X</b>	<b>Not Adopt</b>
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**Explanation:**

<b>Recommendation 2:</b>	<b>Adopt</b>	<b>X</b>	<b>Not Adopt</b>
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**Explanation:**

**PDT Final Evaluator Response (FPC #8)**

**Recommendation 3:**  **Adopt**  **Not Adopt**

**Explanation:**

**Panel Final BackCheck Response (FPC #8)**

**Concur**  **Non-Concur**

**Explanation:** The Panel accepts the PDT's explanation that uncertainty in future sea level change is integrated into the evaluation of the effects of low, intermediate, and high projections of sea level change.

## Final Panel Comment 9

**The ECB of 2035 and FWOP models, as described in the FWOP Model Section, appear to have different initial conditions, which may impact the modeling results.**

### Basis for Comment

In the FWOP Model Setup section (paragraph 1, page 24 of 119 in Annex A-2.1 Model Documentation Report), the ECB for 2035, and FWOP models appear to use different initial conditions. A discussion of whether these differences influenced the H&H modeling results was not provided in the Model Documentation Report Annex A-2.1.

Initial conditions can substantially affect model results, especially when models include large storage areas or floodable regions. Variations in initial conditions can alter modeled flood levels and flood durations.

### Significance – Medium/Low

Differences in initial conditions could obscure comparisons of flood durations and the effectiveness of alternatives in reducing flooding if model runs do not start from consistent conditions.

### Recommendation for Resolution

1. Conduct a sensitivity analysis using different initial conditions to determine their effect on modeled flood elevations and flood durations.
2. If results are sensitive to initial conditions, update the report to explain how flood damages and alternatives' costs and benefits could change under varying initial conditions.

## PDT Final Evaluator Response (FPC #9)

	<b>X Concur</b>	<b>Non-Concur</b>
<p><b>Explanation:</b> Initial conditions are different due to higher tidal water levels and rising groundwater levels as a result of sea level rise scenarios. Helpful discussion on initial conditions can be found in the Future Without Project Model Set Up Section under Tidal Structure Operations/ Canal Management and further under Initial Surface Water Elevation (1D Network). H&amp;H modeling effort was focused on setting realistic initial conditions based on future sea level and application of operational considerations. The flood results are known to be sensitive to initial conditions which is why they are varied with sea level and also why the groundwater component of the MIKE She/MIKE 1D model is important. In the modeling effort, the initial conditions are set using study precedent and engineering judgement and then the first 24 hours of the simulation time is utilized to allow the model to run operations to further improve the simulated water levels at the onset of the design event modeling. This method of determining initial conditions in the canals was particularly important for high sea level since it would occur that the gravity operations would not allow for the operation of the canal within normal ranges. This was necessary so that initial conditions would not be incorrectly set by the user for the multiple design events and varying structure configurations simulated - the structure configuration and rules were allowed to set the initial conditions within the first few hours as would occur in the field.</p>		

**PDT Final Evaluator Response (FPC #9)**

Much effort also went into the correct initial groundwater elevations taking into account the rising sea levels. See Comment 12 where additional explanation was added.

**Recommendation 1:**  **Adopt**  **Not Adopt**

**Explanation:**

**Recommendation 2:**  **Adopt**  **Not Adopt**

**Explanation:**

**Panel Final BackCheck Response (FPC #9)**

**Concur**  **Non-Concur**

**Explanation:**

Based on the PDT's response, the Panel accepts the PDT's justification for why different initial conditions were necessary.

### Final Panel Comment 10

**The current project design utilizes a lower factor of safety for piping created by emerging seepage than that which is prescribed in current USACE and Bureau of Reclamation guidance and compliance will require an increase in the project cost estimate.**

#### Basis for Comment

Paragraph A.8.7.2 of Appendix A states: *"In this study, a minimum factor of safety of 2 is required against the piping condition."* The results of the seepage analysis as described in Table A.8-9 indicate that the seepage exit gradients for a majority of the structures analyzed satisfy the recommended USACE and Bureau of Reclamation guidelines. USACE design guidance (EM 1110-2-1901, Page 4-24, USACE, 1993) and Bureau of Reclamation guidance (DS-13(8)-4.1, Page 8-6, USBR, 2014) indicate that the minimum value for factors of safety against piping should be 4 or 5.

#### Significance – Low

Two (i.e., Spillways G-57 and S-36) of the 13 structures analyzed have factors of safety of 3, which provides a smaller margin of safety than that required by current design standards.

#### Recommendation for Resolution

1. Modify the configuration of Spillways G-57 and S-36 to provide for factors of safety against piping of 4 or more. As indicated in Appendix A, these modifications could involve extension of the cut-off sheet piling or the inclusion of drains near the exit point for the seepage.

#### Literature Cited

USACE (1993). Engineering Manual (EM) 1110-2-1901 - Engineering and Design - Seepage Analysis and Control for Dams -

[https://www.publications.usace.army.mil/portals/76/publications/engineermanuals/em\\_1110-2-1901.pdf](https://www.publications.usace.army.mil/portals/76/publications/engineermanuals/em_1110-2-1901.pdf)

USBR (2014). Design Standards no. 13: Embankment Dams (Ch. 8: Seepage), DS-13(8)-4. U.S.

Department of the Interior - <https://www.usbr.gov/tsc/techreferences/designstandards-datacollectionguides/finalds-pdfs/DS13-8.pdf>

### PDT Final Evaluator Response (FPC #10)

<b>X</b>	<b>Concur</b>	<b>Non-Concur</b>
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**Explanation:** The current project design does not utilize a lower factor of safety for piping created by emerging seepage than that which is prescribed in current USACE and Bureau of Reclamation guidance. The text in Section A.8.7.2 has been revised to state that the minimum safety factor is 3 (instead of 2).

Using Cedergreen's (1977) reference from EM1110-2-1901 Factors of Safety between 2.5 - 3 are acceptable. As for DS-13, "a Safety Factor of 4.0 is recommended when designing either a new dam or remedial repairs at an existing dam to rectify a high exit gradient situation. For all cases, if foundation soil properties are well understood and a sufficient piezometer array is available to measure pressures, less uncertainty exists and a lower factor of safety (on the order of 2.0 to 2.5) may be acceptable."

Given the understanding of the local soils and the performance of the existing structures, we considered a safety factor of 3 against piping is acceptable during the current design phase.

PDT Final Evaluator Response (FPC #10)			
<b>Recommendation1:</b>	<input type="checkbox"/>	<b>Adopt</b>	<input checked="" type="checkbox"/> <b>Not Adopt</b>
<p><b>Explanation:</b> The factors of safety presented in Table A.8-9 are the results without the implementation of a cutoff wall in the seepage models. However, a 10-ft cutoff wall is required for the current design and the resulting safety factors against piping when the cut off wall is added is higher than 4.0. The GEDRs for each structure will further describe and cover these items in more detail.</p> <p>In addition, Section A.8.7.3 recommends a sensitivity analysis of the subsurface soil properties be required as part of the final design of the structures during the PED phase of the project.</p>			
Panel Final BackCheck Response (FPC #10)			
<input checked="" type="checkbox"/> <b>Concur</b>	<input type="checkbox"/>	<b>Non-Concur</b>	

### Final Panel Comment 11

**Eight design events were simulated with the H&H model; however, the rationale and methodology for selecting these events are not documented.**

#### Basis for Comment

Section 2 of the Section 203 Study lists eight design events consisting of rainfall-driven scenarios combined with downstream surge boundary conditions (see Annex A-2.1 Model Documentation Report, page 11 of 119) that were evaluated with the H&H model. The Panel did not find an explanation of the criteria or process used to select these events.

Without this information, it is unclear whether the selected events adequately represent the full range of plausible compound flooding conditions. A more severe rainfall-surge combination could potentially result in greater impacts than those evaluated, meaning the study may not have fully assessed FWOP and Future With Project alternatives under an extreme scenario.

#### Significance – Low

If larger extreme rainfall and surge events with comparable frequency were excluded, the TSP may be under-designed, with underestimated costs and overestimated benefits.

#### Recommendation for Resolution

1. Document the rationale and methodology used to select the eight design events.
2. Reassess whether a more severe compound flooding event could occur with a frequency comparable to the less frequent of the eight design events.
3. If reassessment identifies an additional design storm, evaluate its effect on TSP performance, damages, and costs.

### PDT Final Evaluator Response (FPC #11)

<b>X</b>	<b>Concur</b>	<b>Non-Concur</b>
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**Explanation:** Rationale and methodology for selecting the eight design events assumed in the study were based on formulation started under the Section 216 C&SF FRM study and approved for use by the USACE Flood Risk Management Planning Center of Expertise (FRM-PCX). References to the FRM PCX approval were added to the report.

<b>Recommendation 1:</b>	<b>X</b>	<b>Adopt</b>	<b>Not Adopt</b>
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**Explanation:** There was reference to the Section 216 documentation in the MDR. At the beginning of the MDR (end of first paragraph). Additional reference was added to describe/detail the approval by the USACE PCX. There is no identified more severe compound flooding event that could occur with a frequency comparable to the less frequent of the eight design events and that would be representative of a condition impacting the study formulation. The study adopted a broad range of rainfall frequencies and covered overall flood risk management requirements, including severe (500-yr) event. The study

**PDT Final Evaluator Response (FPC #11)**

also assumed that rainfall is the major flood driver contributing to the water levels being addressed as part of formulation.

**Recommendation 2:**  **Adopt**  **Not Adopt**

**Explanation:**

**Recommendation 3:**  **Adopt**  **Not Adopt**

**Explanation:**

**Panel Final BackCheck Response (FPC #11)**

**Concur**  **Non-Concur**

**Explanation:** The Panel accepts the PDT's response that:

1. The rationale and methodology for selecting the eight design events used in the study were based on a formulation initiated under the Section 216 C&SF FRM study.
2. The PDT cannot identify any flood event that constitutes a more severe compound flooding scenario with a frequency comparable to the least frequent event among the eight design events.

### Final Panel Comment 12

**A discussion of the methodology used to adjust initial groundwater elevations for USACE-projected sea level conditions was not provided, making this assumption unverifiable.**

#### Basis for Comment

The Table of Assumptions for the 2035 ECB Model (Model Documentation Report Annex A-2.1, page 104 of 119) states that future wet-season groundwater elevation maps from the Broward County Flood Protection Level of Service (FPLOS) model were used as the basis for the Broward Resilience model and incorporated into the Section 203 Study. It further notes that initial groundwater elevations were adjusted for USACE-projected sea level conditions for 2035. However, an explanation of the methodology or approach used for this adjustment was not provided in the Model Documentation Report Annex A-2.1, leaving the Panel unable to evaluate its validity.

#### Significance – Low

Including this information would improve transparency and allow readers to better understand the assumptions and data underlying the modeling.

#### Recommendation for Resolution

1. Provide in Annex A-2.1 a discussion of the methodology used to adjust the initial groundwater elevations for the USACE-projected sea level conditions.

### PDT Final Evaluator Response (FPC #12)

**Concur**       **Non-Concur**

**Explanation:** The methodology used to adjust initial condition groundwater elevations for USACE-projected sea level conditions was added to the report.

**Recommendation 1:**       **Adopt**       **Not Adopt**

**Explanation:** Additional explanation was added to the Groundwater Initial Conditions section of the Future Without Model Project Set Up. The explanation references a technical memo describing the process in detail, which can be provided as needed, and was added as a reference.

### Panel Final BackCheck Response (FPC #12)

**Concur**       **Non-Concur**

### Final Panel Comment 13

**Figures provided to illustrate flooding depth differences and 3-day design rainfall depth lack sufficient resolution and do not include background maps, limiting the ability to interpret spatial variations of the illustrated information.**

#### Basis for Comment

Figures in Annex A-2.1 Model Documentation Report (e.g., Figures 20, 29, 32, 38, 43, and 65) that are intended to show flooding depth differences between alternatives and FWOP are of limited utility due to low resolution and the absence of background maps. This makes it difficult to identify the locations of depth variations and assess how alternatives affect flooding in areas of interest.

Annex A-2.1 Model Documentation Report Figure 4 displays gridded cumulative 3-day design rainfall depths applied in the model. However, the figure uses different color contour scales for the 5-, 10-, 25-, 100-, and 500-year cumulative rainfall events, making cross-frequency comparisons difficult.

#### Significance – Low

The lack of high-resolution images of flood depth differences with a background map and the lack of consistent presentation severely limit the ability to understand the spatial flood reduction impacts of alternatives and the rainfall depth comparisons.

#### Recommendation for Resolution

1. Provide high-resolution images with background maps for flood depth difference figures in Annex A-2.1 Model Documentation Report.
2. Use a consistent color scale for cumulative rainfall depths in Figure 4 to enable comparison across rainfall frequencies.

### PDT Final Evaluator Response (FPC #13)

<b>X</b>	<b>Concur</b>	<b>Non-Concur</b>
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**Explanation:** The suggestion is valid and example high resolution maps with background detail will be included in an appendix. The example maps will provide additional information to the reader on locations of improvement. Note though that the information would only quantify/illustrate one event/scenario at a time and could not represent all events and their contribution to the overall project benefit. The use of the HEC FDA quantified the benefits based on all eight design events and their relative contribution using joint probability. All modeling input and output data, including raster outputs with the 125-ft model resolution, will be available from the project data site and, additionally on the Statewide Model Management System at the conclusion of the study.

<b>Recommendation 1:</b>	<b>X</b>	<b>Adopt</b>	<b>Not Adopt</b>
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**PDT Final Evaluator Response (FPC #13)**

**Explanation:** An example high resolution map of a select event will be provided for Alt RO in an appendix and referenced in the report. This will allow the reader to see locations experiencing improvement. All modeling input and output data, including raster outputs with the 125-ft model resolution, will be available from the project data site and, additionally on the Statewide Model Management System at the conclusion of the study.

**Recommendation 2:**     **Adopt**     **Not Adopt**

**Explanation:** The current figures show peak 3-day rainfall with areal reductions applied for each rainfall recurrence interval and further show the variation across the model domain for each recurrence interval. A different color scale for each rain event is another way to show the information for comparison and will be implemented to make the rain more visually different among events.

**Panel Final BackCheck Response (FPC #13)**

**Concur**     **Non-Concur**

**Explanation:** The proposed inclusion of flood-depth difference figures will clearly illustrate spatial patterns and help readers easily identify where changes in flood depths occur. Using distinct color scales for each rainfall event further improves interpretability by allowing readers to more effectively compare results across multiple scenarios.

### Final Panel Comment 14

**Maps illustrating differences in flood durations between alternatives and FWOP are not included in the project documentation, limiting the ability to evaluate changes in flood duration for each alternative.**

#### Basis for Comment

The Annex A-2.1 Model Documentation Report (page 17 of 119) states

*“The analysis of the FWOP condition involves the use of the hydrologic model tools to determine flood depth and duration as well as the economic tools to establish baseline damages for assessing damage reduction or avoidance from the proposed projects or measures.”*

Additionally, page 46 of 119 notes:

*“Flood depth maps and flood duration maps were also provided to the comprehensive benefits team to perform analysis for each of the first three alternatives.”*

However, the Panel did not find maps illustrating differences in flood duration, even though flood duration appears to be one of the evaluated parameters for assessing alternative performance.

#### Significance – Low

Without maps showing flood duration differences, report readers cannot discern the spatial variation in changes to flood duration across the study area.

#### Recommendation for Resolution

1. Include in the Annex A-2.1 Model Documentation Report (MDR) maps showing flood duration differences between alternatives and FWOP.

### PDT Final Evaluator Response (FPC #14)

<b>X</b>	<b>Concur</b>		<b>Non-Concur</b>
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**Explanation:** Flood duration was assessed as part of the comprehensive benefits analysis using separate tools. An example flood duration map can be included in the MDR in an appendix so that the reader can see locations experiencing improvement. Flood duration rasters were provided for analysis and can be included in the model data project site. All modeling input and output data, including raster outputs with the 125-ft model resolution, will be available from the project data site and, additionally on the Statewide Model Management System at the conclusion of the study.

<b>Recommendation 1:</b>	<b>X</b>	<b>Adopt</b>		<b>Not Adopt</b>
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**Explanation:** An example high resolution duration difference map of a select event will be provided for Alt RO in an appendix in order for the reader to see locations experiencing improvement. This map will be referenced in the report for the interested reader and additional detail. The large volume of maps to be displayed and their minor contribution to the study conclusion leads to a recommendation not to provide all the images in the report. All modeling input and output data, including raster outputs with the

**PDT Final Evaluator Response (FPC #14)**

125-ft model resolution, will be available from the project data site and, additionally on the Statewide Model Management System at the conclusion of the study.

**Panel Final BackCheck Response (FPC #14)**

**X** **Concur** **Non-Concur**

**Explanation:** Information on flooding duration—and changes in that duration—is essential for affected stakeholders. Including a flood-duration map in an appendix of the MDR will allow readers to identify locations experiencing improvements or increases in flooding duration easily, and enhance the information provided by the report.

Additionally, providing the flood-duration raster datasets on both the Model Data Project site and the Statewide Model Management System will give users access to more detailed, spatially comprehensive information that supports deeper analysis and informed decision-making.

### Final Panel Comment 15

**The process for constructing the five pump stations includes a provision for the site-specific design and model testing of seven distinct pump designs, which may unnecessarily increase project costs.**

#### Basis for Comment

The TSP currently includes five pump stations with a total of 17 pumps. The description of the construction process envisions that the pumps at each site will be designed separately and will require separate model testing. A preliminary review of the discharge and head requirements at the various pump stations indicates that there is a similarity of requirements that could allow standardization of pump design into several categories rather than having seven separate pump designs. Although this approach would likely result in several pump stations having a somewhat larger capacity than required for the design level of risk reduction, it could significantly reduce the overall cost of procurement for the required pumping systems. Standardization of pump designs into several categories could also decrease future maintenance costs.

#### Significance – Low

A reduction in the number of different pump designs will reduce the procurement cost for future construction, but the magnitude of potential future savings would not impact the evaluation or selection of the TSP.

#### Recommendation for Resolution

1. Review the required pumping requirements prior to construction for all the pump stations to determine if the number of different pump designs can be reduced by developing several standardized pump designs that can be utilized in several different pump station locations.

### PDT Final Evaluator Response (FPC #15)

**Concur**       **Non-Concur**

**Explanation:** The provision for site-specific design to support cost savings will be further considered during the PED phase.

**Recommendation 1:**       **Adopt**       **Not Adopt**

**Explanation:** Appendix A has been revised by moving the last paragraph of Section A.11.4 under a new section titled “A.11.5 Interchangeability and Standardization of Pumps Among Pump Stations.” As part of this revision, IEPR Comment #15 has been copied in its entirety into this new subsection, with a recommendation that the interchangeability and further standardization of pump designs be considered during the PED phase.

### Panel Final BackCheck Response (FPC #15)

**Concur**       **Non-Concur**

### Final Panel Comment 16

**The process described for procuring pumping equipment through a subcontract to a general contractor may inadvertently complicate the design review and testing of the pumping equipment and increase the project costs.**

#### Basis for Comment

The DIFR/EE appears to indicate that the procurement of the pumping equipment would be as a subcontract to a general contractor. This arrangement would complicate the procurement and the design review, installation and testing for the pumping equipment. The details and results of model testing for the various pump designs would be communicated through the general contractor, who in turn would mark up the cost associated with the procurement. The guarantees related to the performance of the pumps also would pass through the general contractor, who likely is not familiar with the type of performance guarantees required for efficient pump operation.

The construction of a pump station is similar to the construction of a hydroelectric plant which involves both civil construction and procurement of mechanical equipment. Hydroelectric projects have typically involved separate contracts for the procurement of the turbine generator equipment and civil contracts to construct the powerhouse to house the procured equipment. Under this arrangement, the owner procures the mechanical equipment which is provided to the general contractor for installation. A separate contract is provided to the equipment manufacturer to provide services during the installation and testing of the equipment. This type of contractual arrangement should be considered for the construction of the pump stations included in the TSP.

#### Significance – Low

The procurement of the pumping equipment under a separate contract from the civil construction will reduce the procurement cost for future construction, however the magnitude of potential savings would not impact the evaluation or selection of the TSP.

#### Recommendation for Resolution

1. Consider modifying the project procurement process to provide separate contracts for the supply of pumping equipment and the civil construction of the powerhouse structures.

### PDT Final Evaluator Response (FPC #16)

Concur	X	Non-Concur
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**Explanation:** The District specifies the type of equipment within the plans and specifications it requires for a design. If this is contracted through a General Contractor (GC), it is not considered “sole source”. In addition, procuring the equipment through the GC keeps the responsibility on the contractor and not the District in regards to delays from vendors.

<b>Recommendation 1:</b>	<input type="checkbox"/>	<b>Adopt</b>	<input checked="" type="checkbox"/>	<b>Not Adopt</b>
<b>Panel Final BackCheck Response (FPC #16)</b>				
<input checked="" type="checkbox"/>	<b>Concur</b>	<input type="checkbox"/>	<b>Non-Concur</b>	
<b>Explanation:</b> The explanation provided by the SFWMD is satisfactory for the Panel.				

## Final Panel Comment 17

**Section 3.9 Wetlands of Appendix B does not clearly describe key characteristics of wetlands potentially impacted by each Alternative or provide wetland mitigation measures, if required.**

### Basis for Comment

Based on supplemental information provided by the SFWMD, the Panel understood that wetland habitats were not present within the canals located in the Study Area. However, the description of the impacts from the study Alternatives (p B.3-94) states that during construction, *“activities may disturb wetlands and water bottoms within construction footprints. Clearing, grading, excavation, and other site development activities would cause canal bank, wetlands, or water bottom disturbance. Specific activities with potential to disturb wetlands includes removal of existing WCS, manipulating canal profiles, and new construction on previously undeveloped canal banks and bottoms.”* This statement implies that there are wetlands in the canals since the construction footprint is primarily located within the canals. The conclusion of the environmental analysis of Alternatives A, B, and C is that wetland effects are expected to be *“adverse, temporary, and negligible”* (p B.3-95) as compared to the No Action Alternative. However, a similar impact assessment has not been provided for Alternative RO, the Tentatively Selected Plan.

The Panel could not determine the impact on wetlands under any of the Alternatives because the location, description (including quality), and acres of wetlands impacted were not provided. Because the impacts to wetlands were not clearly delineated, the Panel could not determine if mitigation plans are required.

Information on the amount of material to be excavated from the canals has been provided in Table B.3-41 of Section 3.9. However, it is unclear to the Panel how these data relate to potential impacts to wetlands for each Alternative, including the TSP.

Additionally, the inclusion of water bottom effects described in Section B.3.9, Wetlands of Appendix B further confuses the reader regarding the potential extent of impacts on wetland habitats.

### Significance – Medium

An Environmental Assessment is considered incomplete if it does not identify the location and corresponding acreage of the wetlands impacted, and provide a mitigation plan when required.

### Recommendation for Resolution

1. Revise Section B.3.9, Wetlands to identify and describe the location, quality, and acres of the wetlands to be impacted by each Alternative, in particular the wetlands identified as being located in the canals based on the statement above. Include maps to show the location of wetland impacts.
2. Provide information to support the conclusion that the effects on wetlands are expected to be “adverse, temporary, and negligible for Alternatives A, B, and C as compared to the No Action Alternative.”
3. Provide supporting information and an overall impact assessment of the effects on wetlands for Alternative RO, the TSP.

### Final Panel Comment 17

4. Explain the connection between the amount of excavation and wetland impacts. If there is no connection, then remove this information from the discussion on wetlands.
5. If wetland impacts are noted, provide a mitigation plan to address impacts on the wetlands.
6. Explain the connection between wetland impacts and water bottom effects. If there is no connection, remove this information from the discussion on wetlands, or rename the section to clarify that it also covers water bottom effects.

### PDT Final Evaluator Response (FPC #17)

<b>X</b>	<b>Concur</b>	<b>Non-Concur</b>
<b>Explanation:</b> Appendix B will be updated to include more clear descriptions of key characteristics of wetlands potentially impacted by each Alternative or provide additional details on why wetland mitigation is not being expected, as applicable.		
	<b>X</b>	<b>Adopt</b>
<b>Recommendation 1:</b> <b>X</b> <b>Adopt</b> <b>Not Adopt</b>		
<b>Explanation:</b> Section B.3.9 Wetlands will be revised to identify any wetlands to be impacted by each alternative or clearly state that wetlands will not be impacted.		
	<b>X</b>	<b>Adopt</b>
<b>Recommendation 2:</b> <b>X</b> <b>Adopt</b> <b>Not Adopt</b>		
<b>Explanation:</b> Comparative results will be clarified for each alternative as compared to the no action alternative.		
	<b>X</b>	<b>Adopt</b>
<b>Recommendation 3:</b> <b>X</b> <b>Adopt</b> <b>Not Adopt</b>		
<b>Explanation:</b> Additional information will be included to address effects to wetlands for Alternative RO		
	<b>X</b>	<b>Adopt</b>
<b>Recommendation 4:</b> <b>X</b> <b>Adopt</b> <b>Not Adopt</b>		
<b>Explanation:</b> The report will be revised to clarify that excavation will not occur in wetlands, only within canals and uplands.		
	<b>X</b>	<b>Adopt</b>
<b>Recommendation 5:</b> <b>X</b> <b>Adopt</b> <b>Not Adopt</b>		
<b>Explanation:</b> The report will be updated to quantify wetland impacts by alternative (if applicable). Mitigation is not expected to be required.		
	<b>X</b>	<b>Adopt</b>
<b>Recommendation 6:</b> <b>X</b> <b>Adopt</b> <b>Not Adopt</b>		
<b>Explanation:</b> The report will be updated to clarify the difference between wetlands and water bottoms/canal bottoms.		

### Panel Final BackCheck Response (FPC #17)

<b>X</b>	<b>Concur</b>	<b>Non-Concur</b>

**M.1.3 District Quality Control Review**

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Classified information is NOT permitted on this site.

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Comment Report: All Comments

Project: C&SF Flood Resiliency Study (Section 203) for Broward Basins

Review: Pre-Final Engineering Feasibility Report

Displaying 94 comments for the criteria specified in this report.

<b>Id</b>	<b>Discipline</b>	<b>DocType</b>	<b>Spec</b>	<b>Sheet</b>	<b>Detail</b>
200780	Structural	Feasibility Study	n/a	n/a	n/a

Comment Classification: **Controlled Unclassified Information (CUI)**  
([Document Reference: A.9](#))

In the Structural Design Criteria, consider 500psf as surcharge load for all retaining earth walls.

Submitted By: [Raydel Lorenzo Reinaldo](#) (5616822033). Submitted On: Jan 26 2026

**1-0 Evaluation Concurred**

The 6th bulleted item in Section A.9.3.3 has been revised to address this comment.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Raydel Lorenzo Reinaldo](#) (5616822033) Submitted On: Feb 23 2026

Current Comment Status: **Comment Closed**

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200905	Telemetry	Design Memorandum or Report	n/a	n/a	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

SCADA has no comments at this time.

Submitted By: [Carsten Pauser](#) (704-654-9274). Submitted On: Jan 28 2026

**1-0 Evaluation For Information Only**

Noted.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Swati Brahmabhatt](#) (5616822674) Submitted On: Feb 19 2026

Current Comment Status: **Comment Closed**

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201166 Cost Estimating Cost Estimate n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

The overall cost seems reasonable when compared to the 2022 Cost Book. However, the 2025 Cost Book for MII is available for purchase. That will most likely increase unit pricing for most cost items. Please resubmit the cost estimate using the 2025 Cost Book. Also, I suggest adding a percentage to the Midpoint of the construction duration.

Submitted By: [Jack Ismalon](#) (561-682-6187). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

The estimate will be updated with the 2025 cost book and the midpoint escalation adjusted accordingly for the Updated Pre-Final Report to be submitted to USACE on 2/23/26 for their cost certification review.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jack Ismalon](#) (561-682-6187) Submitted On: Feb 23 2026

Current Comment Status: **Comment Closed**

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201196 General Other n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

**Coordinating Discipline(s):** General

I have no comment at this time.

Submitted By: [Alex Padron](#) (561-449-6875). Submitted On: Feb 05 2026

**1-0 Evaluation For Information Only**

Noted.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Swati Brahmabhatt](#) (5616822674) Submitted On: Feb 19 2026

Current Comment Status: **Comment Closed**

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201197 Structural Design Memorandum or Report n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

Annex G-1 Prelim Structural Calculations. The monitoring stations enclosure classification is identified as "partially enclosed" with an internal pressure coefficient of +/- 0.55; considering the platform structure as an open sign might be more appropriate. Review design criteria and revise as applicable.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation For Information Only**

The wind enclosure classification is only applicable to buildings and does not apply to the DSMS. ASCE 7-22 Chapter 29 was used to calculate the wind loads on the DSMS. These load calcs start on page 9 of the calcs package (Wind Loads - Other Structures). Notes will be added to the calcs to make this clearer in the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201198 Hydraulics	Design Memorandum or Report	2	n/a	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

[**Critical/Flagged.**]

**Coordinating Discipline(s):** Hydraulics

Was historical data used for the design calculations or was historical storm event data compared to the design flows and stages?

Submitted By: [Mirza Billah](#) (561-682-2002). Submitted On: Feb 05 2026

Revised Feb 05 2026.

**1-0 Evaluation For Information Only**

As discussed during our meeting with the reviewer on 2/19/26, historical stage and flow data from DBHydro was used as part of the hydraulic analyses presented in the HEC-RAS modeling memo for the study in Annex A-1.3.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 19 2026

**1-1 Backcheck Recommendation Close Comment**

Comments will be addressed in the later version of the report.

Submitted By: [Mirza Billah](#) (561-682-2002) Submitted On: Feb 20 2026

Current Comment Status: **Comment Closed**

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201199 General Design  
Memorandum n/a n/a n/a  
or Report

Comment Classification: **Controlled Unclassified Information (CUI)**

Appendix A, Sections A.1.1 – A.1.8. Include the requirement for a control/generator building at each of the spillway sites.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

Sections A.1.1 through A.1.9 have been updated to include the construction of a temporary control/generator building for each of the spillway sites.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201200 General Design  
Memorandum n/a n/a n/a  
or Report

Comment Classification: **Controlled Unclassified Information (CUI)**

Appendix A, Section A.9.5. Building roofs at District water control sites are typically precast double-tees or CIP concrete; discuss steel deck diaphragm roofs with District staff prior to the next submittal.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

Steel deck diaphragms will not be used on this project. This paragraph has been updated to remove the steel deck and flexible diaphragm language to prevent confusion. Please refer to the drawings where precast floor and roof members are shown for buildings.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201201 General Design  
Memorandum n/a n/a n/a  
or Report

Comment Classification: **Controlled Unclassified Information (CUI)**

Appendix A. Control/generator buildings are proposed for the three spillway-only water control structures; include write-up for those buildings in the structural, architectural, and other sections as applicable.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

A write-up for the control/generator buildings that are part of the three spillway only water control structures (G-56, G-57 and S-37B) will be added to the structural, architectural and other sections as applicable for the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201202 General Design  
Memorandum n/a n/a n/a  
or Report

Comment Classification: **Controlled Unclassified Information (CUI)**

Appendix H, S-37A. Clarify the description of the S-37A Spillway; the first sentence mentions a two-bay gated spillway, the second sentence describes a three-bay structure. S-37A Dwg G003 shows a three-bay gated spillway.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

The first sentence has been corrected to state that S-37A is a three-bay spillway.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201203 General Design  
Memorandum n/a n/a n/a  
or Report

Comment Classification: **Controlled Unclassified Information (CUI)**

Appendix H, S-36. Clarify the description of the S-36 Spillway; the first sentence mentions a one-bay gated spillway, the second sentence describes a two-bay structure. S-36 Dwg G003 shows a two-bay gated spillway.

Similar comment also applies to the S-33 Spillway.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

The first sentence has been corrected to state that S-36 is a three-bay spillway. This same edit was made to the first sentence of the description of the S-33 spillway in Appendix H.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201204 General	Plans	n/a	n/a	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-56 Drawings. With the next submittal, provide driving directions and/or access routes to the site.

Show location of the contractor staging area(s) on the site plan.

General Comment. Review all drawings and delete bracketed notes and Notes to Specifier with the next submittal.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

Driving directions and access routes have been added to the access plans. Notes to specifier and bracketed notes have been removed from the drawing sets in Annex F-1.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201205 Civil	Plans	n/a	n/a	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-56, Dwg C106. Verify with the Ft. Lauderdale field station that salvaging/reusing the existing floating debris barrier is not required.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

A sentence stating that during the PED phase of the project, verification should be made with the SFWMD Ft. Lauderdale field station about salvaging/reusing the existing floating debris barrier at each water control structure site has been added to Section A.10.6.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201206 Civil	Plans	n/a	n/a	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-56, Dwg C110. The control building FFE is 17.00' and adjacent grade is EL 15.0'. Control buildings are typically about 6" above surrounding grade; verify the elevations shown are correct.

Indicate the type of paving or roadway on the north side of the spillway.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

Revised Feb 05 2026.

**1-0 Evaluation Concurred**

Grading to be reviewed, stairs are currently proposed to account for grading concerns. Will review current grading to see if this can be resolved as part of the updated drawings to be included in Annex F-1 of the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201207 Civil	Plans	n/a	n/a	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-56, Civil Drawings, General Comments.

Indicate the location for the vehicle barrier gate detailed on Dwg C502.

With the next submittal, provide a fencing plan showing the locations of the security fencing, and personnel and vehicle gates detailed on Dwg C510 and C511.

Bollards are typically required at various locations at water control structures; provide details, types and locations of bollards with the next submittal.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

Revised Feb 05 2026.

**1-0 Evaluation For Information Only**

These items will be added to the design plans during the PED phase of the project, as stated in the last paragraph of Section A.16.2.1, which states: "During the PED phase, the layout and type of security fencing (i.e. chainlink or other type of fencing system and whether it will include barbed wire or not), bollards, and access gates at each of the eight proposed WCS sites will be developed and finalized as part of refinements made to the site plans during the PED phase for these WCSs, as the design is advanced from 30 percent to 100 percent. Therefore, with a few exceptions, the layout of the security fencing, bollards and access gates for the eight proposed WCSs has been omitted in the preliminary design drawings included in Annex F-1."

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201208 Civil	Plans	n/a	n/a	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-56, Dwg C505. Key Notes 5, 6, 7 and 8 are referenced in several of the Details; those notes were not found in the General Notes on this sheet.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

Drawing C505 has been revised to include the missing key notes and references.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026



Comment Classification: **Controlled Unclassified Information (CUI)**

Spillways G-57 & S-37B, Civil Drawings. Comments similar to those for Spillway G-56 may also apply to Structures G-57 and S-37B.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

The plan sets for the G-57 and S-37B improvements have been updated accordingly.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201212	Structural	Plans	n/a	n/a	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-56, Structural Drawings, General Comments.

Indicate the NAVD88 to NGVD29 vertical datum conversion at the bottom of each structural drawing; refer to Civil drawings.

Use the Detail and Section cut callouts as required in the District CAD Drafting Standards throughout the set of structural drawings.

Review all structural drawings for minimum text height of 1/10" in paper space.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

The Datum Reference note is included on the structural drawings. It only shows up on sheets S101 thru S304 where it is most applicable. We will verify that the structural drawings meet the requirements of the SFWMD CAD Drafting Standards for the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Open Comment**

The District requires the vertical datum conversion note to be shown on all drawings even if no elevations are shown on the sheet. Refer to District CAD Drafting Standards, March 2024.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

**2-0 Evaluation Concurred**

The vertical datum note will be added to all drawings sheets where it is missing for the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Mar 02 2026

**2-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Mar 04 2026

Current Comment Status: **Comment Closed**

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201213 Structural Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-56, Dwg S002, Deferred Submittals. Note 1 refers to aluminum stairs, railings, grating and checker plate; aluminum materials have not performed well at District facilities due to vandalism. Revise notes as applicable for compliance with District specified materials.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

Aluminum materials will be replaced with galvanized steel to match the District Standard details and specifications in the updated drawings included in Annex F-1 of the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201214 Structural Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-56, Dwg S004. Review Fall Protection Notes for applicability to District structures and compliance with District standards and specifications.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

We will review these notes for applicability and update the drawings as appropriate to comply with the District standards and specifications for the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201215 Structural Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-56, Dwg S106. The 1-1/2" grating identified as vehicular grating is likely not suitable for vehicle loading; verify grating thickness.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

Grating size will be verified and updated on the drawings as appropriate for the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201216 Structural Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

[**Critical/Flagged.**]

F-1 Annex, G-56, Dwg S304. With the next submittal, provide a sheet pile plan and elevations; include dimensions, pile types, pile top and tip elevations, etc.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation For Information Only**

The permanent sheet pile retaining walls are shown in plan on phasing drawings S101 and S102. Top of wall elevations are coordinated on the Civil drawings. The structural drawings will be updated for the Final Report (to be published in April 2026) to provide an estimated tip elevation. This elevation will be coordinated on either the plans or the typical section. Final design of the sheet pile retaining walls will be completed during the PED phase of the project. Wall elevations should be provided during the PED phase.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Noted. On the next submittal, indicate the tops of pile caps on the structural as well as the civil drawings.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201217 Structural Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-56, Dwg S501. Compare concrete cover notes on Dwg S003 with Notes on this sheet; revise for consistency.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

The concrete cover notes will be reviewed in both locations and updated as appropriate to maintain consistency in the drawings to be included with the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201218 Structural Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-56, Dwg S502 – S504. Based on the dewatering beam and needle sill elevations shown on Dwg S301, the dewatering panels, corner angle, and spreader beam should be a minimum of 26'-0" long. Review structural calculations for the increased panel length and revise drawings if applicable.

Provide a site-specific panel layout for Spillway G-56; indicate the quantity of panels required in the Panel Type Table for Spillway G-56; delete all entries for opening widths other than 25' bay width.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation For Information Only**

These structural designs and updates will be completed during the PED phase of the project.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201219 Structural Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-56, Dwg S506 – S508. With the next submittal, provide a railing plan showing the railing and gate types and locations, i.e., three rail, picket Type A or B, swing gates, etc.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

More information will be provided on the plans to make it clear where specific railing types and gates are to be utilized. This revision will be included in the drawings provided with the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201220 Structural Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-56, Dwg S511. Ladder security doors are likely required at the spillway ladder; verify with the District Project Manager and field station staff prior to the next submittal. Show ladder with security doors in plan view on the next submittal if applicable.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

This is our assumption as well but will confirm with the District Project Manager. More information will be provided to the plan to make this more clear in the drawings included in the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201221 Structural Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-56, Dwg S512. Typical Sheet Pile Section. Indicate quantity and/or spacing of jet filters; for clarity consider locating the jet filters on sheet pile elevations.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation For Information Only**

This item will be determined and specified during the PED phase of the project.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201222 Structural Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-56, Dwg S516 – S521. Provide plan and elevation views, drawn to scale, for the G-56 headwater and tailwater platforms.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

More information will be provided for the monitoring T-platforms (specifically the overall length). Once the length has been verified by the civil engineer we will update the plans and elevations as appropriate to indicate the actual required dimensions in the drawings to be included in the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201223 Structural Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-56, Dwg S526 – S528. On the next submittal, provide plans and elevations for the required fall protection hardware locations.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation For Information Only**

This item will be determined and specified during the PED phase of the project.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201224	Structural	Plans	n/a	n/a	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-56, Dwg S902. Indicate north arrow in plan view.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

North arrow will be provided on the plan view of this drawing in the drawings included with the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201225	Structural	Plans	n/a	n/a	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-56, Dwg S904. Grade adjacent to the control building is EL +/- EL 15.0'; finish floor is EL 17.0'. Review depth of concrete foundation to ensure foundation depth meets requirements in the Florida Building Code.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

The foundations for the control building will be reviewed and updated as appropriate for the elevation difference between finish floor and finish grade in the drawings included with the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201226 Structural Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, Spillways G-57 & S-37B, Structural Drawings. Comments similar to those for Spillway G-56 may also apply to Structures G-57 and S-37B.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

Revised Feb 05 2026.

**1-0 Evaluation Concurred**

Acknowledged. The plan sets for the G-57 and S-37B improvements will be reviewed and updated accordingly for the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201227 General Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-54 Drawings. With the next submittal, provide driving directions and/or access routes to the site.

General Comment. Review all drawings and delete bracketed notes and Notes to Specifier with the next submittal.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

Driving directions and access routes have been added to the access plans. Notes to specifier and bracketed notes have been removed from the drawing sets in Annex F-1.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201228 Civil Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-54, Dwg C105. Verify with the Ft. Lauderdale field station that salvaging/reusing the existing floating debris barrier is not required.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

A sentence stating that during the PED phase of the project, verification should be made with the SFWMD Ft. Lauderdale field station about salvaging/reusing the existing floating debris barrier at each water control structure site has been added to Section A.10.6.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201229 Civil Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-54, Dwg C109. The control building FFE is 11.20' with adjacent grade at EL 10.0'. Control buildings are typically about 6" above surrounding grade; verify the elevations shown are correct. Coordinate FFE with structural discipline drawings.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

Grading to be reviewed, stairs are currently proposed to account for grading concerns. Will review current grading to see if this can be resolved as part of the updated drawings to be included in Annex F-1 of the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201230 Civil Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-54, Dwg C110. Staff gauges are typically located between the monitoring platform and the structure; verify the location of the east staff gauge.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

Staff gauges revised to be located on side nearest the structure.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201231 Civil	Plans	n/a	n/a	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-54, Civil Drawings. Indicate the location(s) for the vehicle barrier gate detailed on Dwg C502.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

These items will be added to the design plans during the PED phase of the project, as stated in the last paragraph of Section A.16.2.1, which states: "During the PED phase, the layout and type of security fencing (i.e. chainlink or other type of fencing system and whether it will include barbed wire or not), bollards, and access gates at each of the eight proposed WCS sites will be developed and finalized as part of refinements made to the site plans during the PED phase for these WCSs, as the design is advanced from 30 percent to 100 percent. Therefore, with a few exceptions, the layout of the security fencing, bollards and access gates for the eight proposed WCSs has been omitted in the preliminary design drawings included in Annex F-1."

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201232 Civil	Plans	n/a	n/a	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-54, Dwg C506. With the next submittal, delete the notes to specifier.

Delete the Dimension Table and indicate actual dimensions in the Floating Barrier plan; Plan should be site specific. Add a north arrow to the plan view.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

Drawing C506 has been revised by deleting the notes to specifier and the plan view updated to include dimensions and north arrow.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201233 Civil	Plans	n/a	n/a	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-54, Dwg C510 & C511. With the next submittal, provide a fencing plan showing the locations of the security fencing, and personnel and vehicle gates detailed on these sheets.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

These items will be added to the design plans during the PED phase of the project, as stated in the last paragraph of Section A.16.2.1, which states: "During the PED phase, the layout and type of security fencing (i.e. chainlink or other type of fencing system and whether it will include barbed wire or not), bollards, and access gates at each of the eight proposed WCS sites will be developed and finalized as part of refinements made to the site plans during the PED phase for these WCSs, as the design is advanced from 30 percent to 100 percent. Therefore, with a few exceptions, the layout of the security fencing, bollards and access gates for the eight proposed WCSs has been omitted in the preliminary design drawings included in Annex F-1."

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201234 Civil	Plans	n/a	n/a	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-54, Dwg C515. Indicate on the plan views the locations where bollards are required.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

Drawing C515 has been updated to show bollard locations.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201235 Civil	Plans	n/a	n/a	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-54, Dwg C516. With the next submittal, show locations in the spillway and pump station plan views where marine mattresses are proposed.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

Marine Mattress detail and references have been deleted from the plan set. Proposing rip rap only for the water control structure sites.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201236 Architectural	Plans	n/a	n/a	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-54, Dwg A201 & A202. Ladder security doors may be required at grade for the East and West Building Elevations; discuss with the District Project Manager and field station staff prior to the next submittal.

District pump station buildings often have reveals on the building elevations; discuss the preference for reveals with the District Project Manager prior to the next submittal.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

Revised Feb 05 2026.

**1-0 Evaluation Concurred**

These architectural details will be added to the drawings during the PED phase of the project.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201237	Structural	Plans	n/a	n/a	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-54, Structural Drawings, General Comments.

Indicate the NAVD88 to NGVD29 vertical datum conversion at the bottom of each structural drawing; refer to Civil drawings for datum conversion note.

Use the Detail and Section cut callouts, shown on Dwg G004, as required in the District CAD Drafting Standards throughout the set of structural drawings.

Review all structural drawings for minimum text height of 1/10" in paper space.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

The Datum Reference note is included on the structural drawings. It only shows up on sheets S101 thru S309 where it is most applicable. We will verify that the structural drawings meet the requirements of the SFWMD CAD Drafting Standards for the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Open Comment**

The District requires the vertical datum conversion note to be shown on all drawings even if no elevations are shown on the sheet. Refer to District CAD Drafting Standards, March 2024.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

**2-0 Evaluation Concurred**

The vertical datum note will be added to all drawings sheets where it is missing for the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Mar 02 2026

**2-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Mar 04 2026

Current Comment Status: **Comment Closed**

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201238 Structural Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-54, Dwg S002, Deferred Submittals. Note 1 refers to aluminum stairs, railings, grating and checker plate; aluminum materials have not performed well at District facilities due to vandalism. Revise notes as applicable for compliance with District specified materials.

Design Criteria, Crane Loads. Some crane loads differ from the values presented in Appendix A.; review and revise crane loads as applicable.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

Aluminum materials will be replaced with galvanized steel to match the District Standard details and specifications in the updated drawings included in Annex F-1 of the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201239 Structural Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-54, Dwg S003. Concrete Notes. Compare concrete cover notes on this sheet with notes on Dwg S501; revise for consistency and compliance with District standards (ref: District Detail Dwg S1).

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

The concrete cover notes will be reviewed in both locations and updated as appropriate to maintain consistency in the drawings to be included with the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201240 Structural Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-54, Dwg S004. Review Fall Protection Notes for applicability to District structures and compliance with District standards and specifications.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

We will review these notes for applicability and update the drawings as appropriate to comply with the District standards and specifications for the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201241 Structural Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

[**Critical/Flagged.**]

F-1 Annex, G-54, Dwg S005. With the next submittal, include nominal design wind pressures in the Components and Cladding Table, that correspond to Vasd. Refer to District Guideline G-G1-04, DG003.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

Both ultimate and nominal design wind pressures for components and cladding will be shown on the drawings in accordance with the District Guideline G-G1-04. This revision will be included in the drawings that are included with the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Noted. On the next submittal, parapet pressures should also be shown where applicable.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201242 Structural Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-54, Dwg S104. The 1-1/2" grating identified as vehicular grating is likely not suitable for vehicle loading; verify grating thickness.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

Grating size will be verified and updated on the drawing as appropriate for the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201243 Hydraulics Design Memorandum or Report n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

**Coordinating Discipline(s):** Hydraulics

Legend in Velocity maps is ineligible.

Submitted By: [Mirza Billah](#) (561-682-2002). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

Legend will be revised for readability in the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Mirza Billah](#) (561-682-2002) Submitted On: Feb 20 2026

Current Comment Status: **Comment Closed**

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201244 Structural Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-54, Dwgs S104 & S106. With the next submittal, provide enlarged plans showing the railing and gate types and locations, i.e., three rail, picket Type A or B, swing gates, etc.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

More information will be provided on the plans to make it clear where specific railing types and gates are to be utilized. This revision will be included in the drawings provided with the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201245 Structural	Plans	n/a	n/a	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-54, Dwg S501. Compare concrete cover notes on Dwg S003 with Notes on this sheet; revise for consistency.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

The concrete cover notes will be reviewed in both locations and updated as appropriate to maintain consistency in the drawings to be included with the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201246 Structural	Plans	n/a	n/a	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-54, Dwg S502 – S504. Provide a site-specific panel layout for Spillway G-54; indicate the quantity of panels required in the Panel Type Table for Spillway G-54; delete all entries for opening widths other than 17'-0" bay width.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation For Information Only**

These structural designs and updates will be completed during the PED phase of the project.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201247 Structural Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-54, Dwgs S506 – S508. With the next submittal, provide railing plans for the G-54 pump station and spillway showing the railing and gate types and locations, i.e., three rail, picket Type A or B, swing gates, etc.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

More information will be provided on the plans to make it clear where specific railing types and gates are to be utilized. This revision will be included in the drawings provided with the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201248 Structural Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-54, Dwg S511. Ladder security doors are likely required at the spillway ladder; verify with the District Project Manager and field station staff prior to the next submittal. Show ladder with security doors in plan view on the next submittal if applicable.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

This is our assumption as well but will confirm with the District Project Manager. More information will be provided to the plan to make this more clear in the drawings included in the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201249 Structural Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-54, Dwg S513. Typical Sheet Pile Section. Indicate quantity and/or spacing of jet filters; for clarity consider locating the jet filters on sheet pile elevations.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation For Information Only**

This item will be determined and specified during the PED phase of the project.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201250 Structural Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

[**Critical/Flagged.**]

F-1 Annex, G-54, Dwgs S513 & S514. With the next submittal, provide sheet pile plans and elevations for the spillway and pump station structures; include dimensions, pile types, pile top and tip elevations, etc.

Section F. Indicate the waterside and landside of the pile cap; pile caps typically slope down to the waterside at District facilities.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation For Information Only**

The permanent sheet pile retaining walls are shown in plan on phasing drawings S101 and S102. Top of wall elevations are coordinated on the Civil drawings. The structural drawings will be updated to provide an estimated tip elevation in the Final report to be published in April 2026. This elevation will be coordinated on either the plans or the typical section. Final design of the sheet pile retaining walls will be completed during the PED phase of the project. Wall elevations will be provided during the PED phase.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Noted. On the next submittal, indicate the tops of pile caps on the structural as well as the civil drawings.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

201251 Structural Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-54, Dwg S515. Provide location, dimensions and details for the debris collection areas with the next submittal.

Debris collection areas typically have vertical walls on two or three sides with a 1'-0" wide stainless steel armor plate around the perimeter to prevent damage to the concrete walls and a means of permitting drainage out of the collection area. Suggested armoring is 1/4" thick stainless-steel embedded wear plate with (2) rows of 1/2" diameter headed anchor studs w/ 4" embedment at 18" c/c, staggered 9" with 6" vertical spacing on the inside face of all walls. The base slab is sloped to permit drainage. Provide armor plate and slab drainage details with the next submittal.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

More information will be provided in the drawings on the debris collection areas in the Final Report to be published in April 2026. These are currently shown in plan on S515. A section view through the debris collection area is located on S516.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

201252 Structural Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-54, Dwg S516. Revise Section B graphics to reflect stop logs and the associated embeds instead of dewatering panels, dewatering beam at the service bridge level, etc. Provide details for the stop log embeds with the next submittal.

Removal and installation of the trash screens requires clearance for the rake, including chain and paddles, and approximately 2'-8" ladder clearance. The dimension between the toe of the trash screen sill and the back face of the dewatering beam should be approximately 7'-0" to provide adequate space for divers and/or other personnel to manually move the screens into position for removal/installation.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

Section will be updated to remove the dewatering panel needle beam and sill. Stop logs will be added to reflect the actual condition. We will coordinate with the process/mechanical team on the other details mentioned and update the positioning of the trash rake as required. These revisions will be included in the drawings provided with the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201253 Structural	Plans	n/a	n/a	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-54, Dwg S520 – S524. Provide plan and elevation views, drawn to scale, for the G-54 headwater and tailwater platforms.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

More information will be provided for the monitoring T-platforms (specifically the overall length). Once the length has been verified by the civil engineer we will update the plans and elevations as appropriate to indicate the actual required dimensions in the drawings to be included in the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201254 Structural	Plans	n/a	n/a	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-54, Dwg S526 – S528. On the next submittal, provide locations, plans and elevations at the spillway and pump station for the fall protection hardware locations.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation For Information Only**

This item will be determined and specified during the PED phase of the project.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201255 Hydraulics	Design Memorandum or Report	n/a	n/a	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

**Coordinating Discipline(s):** Hydraulics

The north arrow in the figure showing S-37B is pointing in the wrong direction (Pages 16 -18)

Submitted By: [Mirza Billah](#) (561-682-2002). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

North arrow will be revised for these figures in the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Mirza Billah](#) (561-682-2002) Submitted On: Feb 20 2026

Current Comment Status: **Comment Closed**

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201256 Structural	Plans	n/a	n/a	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-54, Dwg S902. Indicate north arrow in plan view.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

North arrow will be provided on the plan view of this drawing in the drawings included with the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201257 Structural Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, G-54, Dwgs S902 – S904. Grade adjacent to the control building on Dwg C109 is EL +/- EL 10.0'; finish floor is EL 11.20'. Review depth of concrete foundation to ensure foundation depth meets requirements in the Florida Building Code.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

The foundations for the control building will be reviewed and updated as appropriate for the elevation difference between finish floor and finish grade in the drawings included with the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201258 Structural Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

Pump Stations and Spillways S-13, S-33, S-36, and S-37A, Structural Drawings. Comment 2012s similar to those for Spillway G-56 may also apply to Pump Stations and Spillways S-13, S-33, S-36, and S-37A.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

Acknowledged. The plan sets for these structures will be reviewed and updated accordingly for the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201259 Hydraulics      Design  
Memorandum      n/a      n/a      n/a  
or Report

Comment Classification: **Controlled Unclassified Information (CUI)**  
[**Critical/Flagged.**]

**Coordinating Discipline(s):** Hydraulics

Is the team planning to do a sensitivity analysis with higher or lower n values, or a calibration of the Manning's coefficients used for their modeling?

Submitted By: [Mirza Billah](#) (561-682-2002). Submitted On: Feb 05 2026

**1-0 Evaluation For Information Only**

The team is not planning to perform this type of sensitivity analysis for this study.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Comments will be addressed in the later version of the report.

Submitted By: [Mirza Billah](#) (561-682-2002) Submitted On: Feb 20 2026

Current Comment Status: **Comment Closed**

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201260 Civil      Plans      n/a      n/a      n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, Monitoring Platforms. Dwg G003. Verify the vertical datum conversion at the bottom of the sheet is applicable to all six monitoring platform sites.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation For Information Only**

The last (3rd) line of the datum reference note which includes the site-specific datum conversion equation, will be removed from drawings G002, G003, G004, C501 through E100, and E701 through I909 for the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Open Comment**

The District requires the vertical datum conversion note to be shown on all drawings. Refer to the following excerpt from the District CAD Drafting Standards: "If the project limits extend across a large area, the note may provide the range of conversion data that is applicable to the project (such as varies from 1.41 in the NW area of the project to 1.46 in the SW area) except on drawings for individual structures which shall provide the actual conversion data for that structure location.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

**2-0 Evaluation Concurred**

The vertical datum note will be updated throughout the plan set in accordance with the referenced District standard, for the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Mar 02 2026

**2-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Mar 04 2026

Current Comment Status: **Comment Closed**

201261 Civil                  Plans                                  n/a                                  n/a                                  n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, Monitoring Platforms. Dwg C201. Discuss replacement of the CIP concrete foundation with a concrete pile at the platform end with the District Project Manager and Engineering Design staff prior to the next submittal.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

This discussion and determination about replacing the CIP conc. foundation with a conc. pile will be made during the PED phase of the project. A sentence has been added to Section A.1.13 (within the second to last paragraph) stating that this determination will be made during the PED phase.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

201262 Civil                  Plans                                  n/a                                  n/a                                  n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, Monitoring Platforms. Dwgs C201 & C202. Provide site-specific plan and elevation views for each of the six (6) monitoring platforms, inclusive of a north arrow, T/Grtg EL, high and low water elevations, bottom of pipe elevations, limits of riprap, bottom of canal elevations, etc., for each site.

The solar panels must face due south and may require a location other than that shown on Dwgs C201 and C202.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

These drawings/details will be provided in the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

201263 Civil                  Plans                                  n/a                                  n/a                                  n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, Monitoring Platforms. Dwg C501. No vehicle barrier gates are shown on the plans; delete drawing if not applicable to this project.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

Drawing C501 of the monitoring station plans, will be deleted for the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

201264 Civil                  Plans                                  n/a                                  n/a                                  n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, Monitoring Platforms. Dwg C502. Discuss the requirement for barbed wire on the fencing with the District Project Manager and field station staff.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

This security fencing item will be determined during the PED phase of the project, as stated in the last paragraph of Section A.16.2.1, which states: "During the PED phase, the layout and type of security fencing (i.e. chainlink or other type of fencing system and whether it will include barbed wire or not), bollards, and access gates at each of the eight proposed WCS sites will be developed and finalized as part of refinements made to the site plans during the PED phase for these WCSs, as the design is advanced from 30 percent to 100 percent. Therefore, with a few exceptions, the layout of the security fencing, bollards and access gates for the eight proposed WCSs has been omitted in the preliminary design drawings included in Annex F-1."

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201265 Civil                  Plans                          n/a                          n/a                          n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

F-1 Annex, Monitoring Platforms. Dwg C505. Provide site-specific elevations, board lengths, pile lengths, etc. for each of the six staff gauges required.

Staff gauges are also detailed on Dwg I905; for clarity, delete one of the sheets.

Submitted By: [Jill Skaggs](#) (561-523-0407). Submitted On: Feb 05 2026

**1-0 Evaluation Concurred**

Drawing C505 of the monitoring station plans, will be deleted and additional site specific data will be added to Drawing I905 for the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jill Skaggs](#) (561-523-0407) Submitted On: Feb 25 2026

Current Comment Status: **Comment Closed**

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201270 Civil                  Design                          APPENDIX A                  Figure A.1-3. to  
Memorandum                  n/a                          ENGINEERING                  Figure A.1-7.  
or Report                          APPENDIX

Comment Classification: **Controlled Unclassified Information (CUI)**

(Document Reference: [Central and Southern Florida Flood Resiliency \(Section 203\) Study for Broward Basins Integrated FS/EA](#)) [**Critical/Flagged.**]

**Coordinating Discipline(s):** Civil

Consider steepening the slope below the low water elevation to 2H:1V.

(Attachment:

[EXEMPT\\_1190713ab\\_BB-203\\_FS-EA\\_Appendix\\_A\\_Engineering\\_A.1-10\\_to\\_A.1-14.pdf](#))

Submitted By: [Jose Guardiario](#) (561-682-2594). Submitted On: Feb 06 2026

**1-0 Evaluation Concurred**

The steepening of the side slope to 2H:1V below the low water elevation will be considered as the design drawings for the canal improvements are revised for the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Flagged for follow-up

Submitted By: [Jose Guardiario](#) (561-682-2594) Submitted On: Mar 02 2026

Current Comment Status: **Comment Closed**

201271 Civil	Design Memorandum or Report	Standard Civil Details C6 (Temporary Manatee Barrier Detail and Section)	APPENDIX A ENGINEERING APPENDIX	A.1.14 Manatee Protection
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Comment Classification: **Controlled Unclassified Information (CUI)**

(Document Reference: [Central and Southern Florida Flood Resiliency \(Section 203\) Study for Broward Basins Integrated FS/EA](#)) [**Critical/Flagged.**]

**Coordinating Discipline(s):** Civil

Make sure to use the updated Standard Civil Details C6 (Temporary Manatee Barrier Detail and Section), as shown in the attached section.

(Attachment: [EXEMPT\\_1190713ab\\_BB-203\\_FS-EA\\_Appendix\\_A\\_Engineering\\_A.1-15.pdf](#))

Submitted By: [Jose Guardiario](#) (561-682-2594). Submitted On: Feb 06 2026

**1-0 Evaluation Concurred**

This updated temporary manatee barrier detail will be added to the drawings in Annex F-1 for the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Flagged for follow-up

Submitted By: [Jose Guardiario](#) (561-682-2594) Submitted On: Mar 02 2026

Current Comment Status: **Comment Closed**

201272 Civil	Design Memorandum or Report	n/a	APPENDIX A ENGINEERING APPENDIX	Figure A.6-1.
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Comment Classification: **Controlled Unclassified Information (CUI)**

(Document Reference: [Central and Southern Florida Flood Resiliency \(Section 203\) Study for Broward Basins Integrated FS/EA](#)) [**Critical/Flagged.**]

**Coordinating Discipline(s):** Civil

Indicate location of the structures. In such manner, a comparison can be made on the location of the structures and the corresponding topographic elevations.

(Attachment: [EXEMPT\\_1190713ab\\_BB-203\\_FS-EA\\_Appendix\\_A\\_Engineering\\_A.6-7.pdf](#))

Submitted By: [Jose Guardiario](#) (561-682-2594). Submitted On: Feb 06 2026

**1-0 Evaluation Concurred**

Figure A.6-1 has been updated by adding an icon and label for the location of each existing SFWMD primary water control structure that is pertinent to this study.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Flagged for follow-up

Submitted By: [Jose Guardiario](#) (561-682-2594) Submitted On: Mar 02 2026

Current Comment Status: **Comment Closed**

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201273 Civil	Design Memorandum or Report	n/a	APPENDIX A ENGINEERING APPENDIX	Table A.8-9. Summary of Seepage Analysis Water Conditions
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Comment Classification: **Controlled Unclassified Information (CUI)**

(Document Reference: [Central and Southern Florida Flood Resiliency \(Section 203\) Study for Broward Basins Integrated FS/EA](#))

**Coordinating Discipline(s):** Civil

Provide columns for exit gradient and factor of safety.

(Attachment: [EXEMPT\\_1190713ab\\_BB-203\\_FS-EA\\_Appendix\\_A\\_Engineering\\_A.8-16.pdf](#))

Submitted By: [Jose Guardiario](#) (561-682-2594). Submitted On: Feb 06 2026

**1-0 Evaluation For Information Only**

The requested exit gradients and factors of safety from the seepage modeling results are provided in Table A.8-10.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jose Guardiario](#) (561-682-2594) Submitted On: Mar 02 2026

Current Comment Status: **Comment Closed**

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201274 Hydraulics Other n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**  
([Document Reference: Appendix A](#))

**Coordinating Discipline(s):** Hydraulics

In Appendix A, the number and width of gated spillway bays are used to illustrate the existing and proposed spillway capacities. It would be helpful to clarify whether the sill crest elevations are intended to remain the same for each structure. This clarification will help readers better understand the effective opening area and provide clearer context for comparing the capacity of existing versus proposed spillways.

For Mauricio Gonzalez-Betancourt 2/6/26

Submitted By: [Jennifer Gent](#) ((561) 682-2668). Submitted On: Feb 06 2026

**1-0 Evaluation For Information Only**

The weir crest elevations for the existing and proposed spillways are provided in Sections A.6.3.1 through A.6.3.8. The wording in these sections has been revised to make this information clearer to the reader.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Submitted By: [Jennifer Gent](#) ((561) 682-2668) Submitted On: Feb 24 2026

Current Comment Status: **Comment Closed**

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201275 Electrical Feasibility Study n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

I have no comment on this submittal. Thanks

Submitted By: [Nigel Mann](#) (561-682-2334). Submitted On: Feb 06 2026

**1-0 Evaluation For Information Only**

Noted.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Swati Brahmabhatt](#) (5616822674) Submitted On: Feb 19 2026

Current Comment Status: **Comment Closed**

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201279 General Plans and Specs n/a 1 n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

(Document Reference:

[EXEMPT\\_1190713b\\_Annex\\_F-1\\_C11\\_Canal\\_imprv\\_DRAFT\\_Prelim\\_Plans.pdf](#))

**Coordinating Discipline(s):** General

Drawing numbers are not consecutive, e.g., C111, C115, C116, C117, C120....

Submitted By: [Jodie Hutchins](#) (561-682-2147). Submitted On: Feb 06 2026

**1-0 Evaluation Concurred**

Sheet index will be revised in the drawings to be included with the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jodie Hutchins](#) (561-682-2147) Submitted On: Feb 20 2026

Current Comment Status: **Comment Closed**

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201280	General	Plans and Specs	n/a	1-35	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

(Document Reference:

[EXEMPT\\_1190713b\\_Annex\\_F-1\\_C11\\_Canal\\_imprv\\_DRAFT\\_Prelim\\_Plans.pdf](#))

**Coordinating Discipline(s):** General

The same person is noted for "Engineer" and "Checked", e.g., J.ZEIGLER. They should be different .

Submitted By: [Jodie Hutchins](#) (561-682-2147). Submitted On: Feb 06 2026

Revised Feb 06 2026.

**1-0 Evaluation Concurred**

Titleblock has been revised so that the same name does not appear in these two fields.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jodie Hutchins](#) (561-682-2147) Submitted On: Feb 20 2026

Current Comment Status: **Comment Closed**

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201281	General	Plans and Specs	n/a	5-6	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

(Document Reference:

[EXEMPT\\_1190713b\\_Annex\\_F-1\\_C11\\_Canal\\_imprv\\_DRAFT\\_Prelim\\_Plans.pdf](#))

**Coordinating Discipline(s):** General

"limits of construction" and "excavation limits" used interchangeably (e.g. sheet 5 and 6). Are they different? Note, the legend on sheet 2 includes "limits of construction" and not "excavation limits".

Submitted By: [Jodie Hutchins](#) (561-682-2147). Submitted On: Feb 06 2026

**1-0 Evaluation For Information Only**

Limits of construction are the overall limits for all work to be performed at the project site. Excavation limits are just for areas of dredging. Excavation limits have been added to the legend on sheet 2.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jodie Hutchins](#) (561-682-2147) Submitted On: Feb 20 2026

Current Comment Status: **Comment Closed**

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201283	General	Plans and Specs	n/a	5	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

(Document Reference:

[EXEMPT\\_1190713b\\_Annex\\_F-1\\_C11\\_Canal\\_imprv\\_DRAFT\\_Prelim\\_Plans.pdf](#))

**Coordinating Discipline(s):** General

"Site access for dump trucks" notated however the legend on Sheet 2 references a different symbol for "vehicular access route".

Submitted By: [Jodie Hutchins](#) (561-682-2147). Submitted On: Feb 06 2026

**1-0 Evaluation Concurred**

Plans have been revised to reference the symbol from Sheet 2.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jodie Hutchins](#) (561-682-2147) Submitted On: Feb 20 2026

Current Comment Status: **Comment Closed**

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201284	General	Plans and Specs	n/a	6	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

(Document Reference:

[EXEMPT\\_1190713b\\_Annex\\_F-1\\_C11\\_Canal\\_imprv\\_DRAFT\\_Prelim\\_Plans.pdf](#))

**Coordinating Discipline(s):** General

What does "W.E. 1.5" in the center of the canal (bottom drawing) represent?

Submitted By: [Jodie Hutchins](#) (561-682-2147). Submitted On: Feb 06 2026

**1-0 Evaluation For Information Only**

Water elevation label is from the project survey, this has been removed from the plan set.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jodie Hutchins](#) (561-682-2147) Submitted On: Feb 20 2026

Current Comment Status: **Comment Closed**

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201285 General Plans and Specs n/a 6 n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

(Document Reference:

[EXEMPT\\_1190713b\\_Annex\\_F-1\\_C11\\_Canal\\_imprv\\_DRAFT\\_Prelim\\_Plans.pdf](#))

**Coordinating Discipline(s):** General

What does the "low crossing elevations" on the top drawing represent? There doesn't appear to be a crossing at this location.

Submitted By: [Jodie Hutchins](#) (561-682-2147). Submitted On: Feb 06 2026

**1-0 Evaluation For Information Only**

The crossing information refers to overhead wires in these locations.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jodie Hutchins](#) (561-682-2147) Submitted On: Feb 20 2026

Current Comment Status: **Comment Closed**

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201286 General Plans and Specs n/a 6-7 n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

(Document Reference:

[EXEMPT\\_1190713b\\_Annex\\_F-1\\_C11\\_Canal\\_imprv\\_DRAFT\\_Prelim\\_Plans.pdf](#))

**Coordinating Discipline(s):** General

floating 5 and 10 numbers around the canal (both top and bottom drawings). What do they mean?

Submitted By: [Jodie Hutchins](#) (561-682-2147). Submitted On: Feb 06 2026

**1-0 Evaluation For Information Only**

Label from survey that was not frozen in this viewport. Plan has been revised to remove these instances.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jodie Hutchins](#) (561-682-2147) Submitted On: Feb 20 2026

Current Comment Status: **Comment Closed**

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201287	General	Plans and Specs	n/a	7	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

(Document Reference:

[EXEMPT\\_1190713b\\_Annex\\_F-1\\_C11\\_Canal\\_imprv\\_DRAFT\\_Prelim\\_Plans.pdf](#))

**Coordinating Discipline(s):** General

Bottom drawing says "see sheet 32 of 35 for details" next to the Bridge 7 label. Details of what? Sheet 32 doesn't appear to be the Bridge 7 details.

Submitted By: [Jodie Hutchins](#) (561-682-2147). Submitted On: Feb 06 2026

**1-0 Evaluation For Information Only**

This is a label from the project survey. Plan has been revised to remove this callout.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jodie Hutchins](#) (561-682-2147) Submitted On: Feb 20 2026

Current Comment Status: **Comment Closed**

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201289	General	Plans and Specs	n/a	7	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

(Document Reference:

[EXEMPT\\_1190713b\\_Annex\\_F-1\\_C11\\_Canal\\_imprv\\_DRAFT\\_Prelim\\_Plans.pdf](#))

**Coordinating Discipline(s):** General

The word "Culvert" shown twice just left of culvert 57 but there doesn't appear to be any culvert details there.

Submitted By: [Jodie Hutchins](#) (561-682-2147). Submitted On: Feb 06 2026

**1-0 Evaluation For Information Only**

This is a label from the project survey. Plan has been revised to remove this callout.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jodie Hutchins](#) (561-682-2147) Submitted On: Feb 20 2026

Current Comment Status: **Comment Closed**

201290 General Plans and Specs n/a 8 n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

(Document Reference: [EXEMPT\\_1190713b\\_Annex\\_F-1\\_C11\\_Canal\\_imprv\\_DRAFT\\_Prelim\\_Plans.pdf](#))

Coordinating Discipline(s): General

Existing conditions details appear to be missing. e.g. elevations, etc. Should there be similar details as shown on sheets 6 and 7?

Submitted By: [Jodie Hutchins](#) (561-682-2147). Submitted On: Feb 06 2026

**1-0 Evaluation For Information Only**

The limits of the C-11 Canal Improvements were determined late in the course of this feasibility study. As a result topographic surveys for all portions of the C-11 Canal improvements were not obtained. These small areas where topographic survey information is missing will be surveyed during the PED phase of the project.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Jodie Hutchins](#) (561-682-2147) Submitted On: Feb 20 2026

Current Comment Status: **Comment Closed**

201291 General Plans and Specs n/a 9, 10, 11 n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

(Document Reference: [EXEMPT\\_1190713b\\_Annex\\_F-1\\_C11\\_Canal\\_imprv\\_DRAFT\\_Prelim\\_Plans.pdf](#))

Coordinating Discipline(s): General

AC on drawings vs. ACRE in table.

Submitted By: [Jodie Hutchins](#) (561-682-2147). Submitted On: Feb 06 2026

### 1-0 Evaluation **Concurred**

Terms have been revised for consistency. Drawings now show AC throughout plan set.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

### 1-1 Backcheck Recommendation **Close Comment**

Closed without comment.

Submitted By: [Jodie Hutchins](#) (561-682-2147) Submitted On: Feb 20 2026

Current Comment Status: **Comment Closed**

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201330 General	Feasibility Study	n/a	n/a	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

the order of the descriptions of work in A.1.1-A.1.8 should be reversed so that construction of the new is first and demo of the old is second since old must stay in service during all of new construction. (this is appropriately reflected in A.3.2+ but could benefit from a statement that the ability to provide the existing level of flood control must be preserved at all stages of construction except for the potential for very short durations that might be authorized by WMs during the dry season based on near-term weather forecasts)

Paragraphs on manatee protection might benefit from a disclaimer of "except where mutually agreed with FWC that another method is appropriate or that the velocities are prohibitive for travel upstream by manatees thru the open gates.

Footnote b/ under table A.6-1 should be edited to advise to strive to achieve this by refining the service bridge thickness to provide the desired 2' of freeboard over the HW that reduces risk of debris loading damage against the service bridge except if a trash rake is included to protect against that risk from debris loads.

Table A.6-2 has very different service bridge elevations that A.6-1, this does not seem logical.

A.6-3 footnotes are on the next page, adjust to keep them together.

A.12.3.4, A.12.3.7, etc. – emphasize that while the gensets will not be sized to power the electric motors serving the main pumps, they will power all the auxiliary systems to allow the diesel drivers to provide the full pumping capacity on generator power. (currently states "will not power the electric motor-driven main pumps" which is misleading)

Tables A.15-4, A.15-5 erroneously state a summer cooling and winter heating of 70 +/-2 degrees for gate rooms – that is not possible since these are not air conditioned spaces.

A.15.8 – delete reference to insurance underwriter, we are typically self-insured.

Submitted By: [Sandra Smith](#) (561-682-6510). Submitted On: Feb 09 2026

### **1-0 Evaluation Concurred**

Sections A.1.1 through A.1.9 have been updated by revising the order of some of the bulleted descriptions of the improvements so that they are generally aligned with the chronological order of the construction and demolition work at each site. A statement about maintaining the existing level of flood control through each phase of construction is included in Section A.3.1.

This kind of disclaimer about manatee protection systems has been added to Section A.1.15.

Footnote b/ under Table A.6-1 has been expanded to include the recommended disclaimer about the bridge deck design elevation. Criterion No. 7 in Table A.6-2, which is the design service bridge deck elevation + 0.5' is consistent with the Selected Prelim Design Service Bridge Deck Elev in Table A.6-1.

Will revise sections A.12.3.4 and A.12.3.7 to remove the "will not power the electric motor-driven main pumps" and add "will power all the auxiliary systems to allow the diesel drivers to provide the full pumping capacity on generator power. The emergency generators will not be sized to power the electric motors serving the main pumps."

Tables A.15-4 and A.15-5: Gate Rooms have not been listed under Table A.15-4. Indoor Design Criteria for Manned Pump Station Buildings. Information under Table A.15-5 Indoor Design Criteria for Unmanned Pump Station Buildings has been updated to show "Gate Control Rooms" and to remove the heating element. A Gate Room or Control Room will be cooled by forced air ventilation and not air conditioning. The indoor design criteria for this room can be found under Table A.15-6.

Section A.15.8 has been updated to remove reference to Underwriter insurance.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

### **1-1 Backcheck Recommendation Open Comment**

site layouts don't support the table A.6-2 FFE (e.g. control bldg at G56 would have stairs but the graphic doesn't reflect the landing required at the top of the stairs/door) Service bridges & FFE shown in drawings for S13 and S37A are higher than the tables reflect. (check others)

70 degrees is not necessary for the "gate control rooms" show 72-85 like the electrical and IT rooms or warmer. Unmanned pump station will have a restroom (per text in A.14.1.1) however the requirement to air condition the restroom to this similar level is not listed in the table.

Submitted By: [Sandra Smith](#) (561-682-6510) Submitted On: Feb 24 2026

### **2-0 Evaluation Concurred**

JTECH will update the site layouts and other drawings to show stairs/landings where they are missing for the upcoming Final Report to be published in April 2026.

The bridge deck elevations and FFEs in Tables A.6-1 and A.6-2 have been updated through a series of revisions to these tables over the past several months in parallel with the

development of the draft preliminary design drawings. Since the preliminary elevations in Tables A.6-1 and A.6-2 have not been finalized/approved, the drawings have not been updated to match these preliminary design elevations.

Recognizing that these preliminary design elevations may be further refined during this current study and during the PED phase, the following sentence has been added to the end of the 6th paragraph in Section A.6.2.6 of Appendix A:

"Note, during the PED phase of the Project, the preliminary design elevations and the design criteria presented in Tables A.6-1 and A.6-2 will be reevaluated and may be updated as additional design considerations and refinements are made as the design of each structure is advanced to the 100 percent level of completion." Therefore, JTECH intends to allow for the preliminary design elevations in these tables to either remain as they are or be further refined during the course of this feasibility study, while allowing the bridge deck elevations and FFEs in the preliminary drawings to remain as they are under this current study.

The Summer Cooling DB temperature for the Gate Control Room in Tables A.15-4 and A.15-5 has been changed to 72-85 degrees as directed. Cooling and heating criteria for the restroom in the unmanned pump station buildings has been added to Table A.15-5.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Mar 03 2026

**2-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Sandra Smith](#) (561-682-6510) Submitted On: Apr 27 2026

Current Comment Status: **Comment Closed**

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201347	General	Plans	n/a	n/a	n/a
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Comment Classification: **Controlled Unclassified Information (CUI)**

cross sections should show the required bench, maintenance access corridors, etc. the slopes shown on the widened canals might not be realistic if it doesn't leave us adequate room to maintain the canals. Example - Annex F-1\_C11

Submitted By: [Sandra Smith](#) (561-682-6510). Submitted On: Feb 09 2026

**1-0 Evaluation Concurred**

Canal cross-sections for the proposed canal improvements will be reviewed and revised to include this missing information and adjusted to ensure that adequate room is provided for maintenance of the canals. These revisions will be provided in the drawings included with the Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Open Comment**

holding open for April confirmation in version

Submitted By: [Sandra Smith](#) (561-682-6510) Submitted On: Feb 24 2026

## 2-0 Evaluation For Information Only

Site specific design refinements will be warranted during the PED phase to fully address maintenance access along the canals to be dredged utilizing the most current surveyed site conditions and SFWMD design standards at that time (e.g. changes to adjacent roadways, utilities, etc.).

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Apr 27 2026

## 2-1 Backcheck Recommendation Close Comment

Closed without comment.

Submitted By: [Sandra Smith](#) (561-682-6510) Submitted On: Apr 27 2026

Current Comment Status: **Comment Closed**

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201348 General Plans n/a G54 - C101, C106 n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

Turning radius for access to the western top of bank (for canal maintenance as well as to get to the debris landing) is impeded by the placement of the antenna pole; that pole is required to be in close proximity to the RTU location (control building is not shown on drawing C101 for context) and the solar panel should not be shaded by the structure - reassess location for that pole.

Access to the TW stilling well by a truck is also warranted, but impeded by the control building.

relocated OH power is too close to HW stilling well - we'd use a boom truck to lower the instrument pipe into position. If there is buried electric along I595 why would we go with OH?

The cooling water bay divider wall appears to be wider than the flow path.

C116 - the block and tackle hoist components/gate are not realistically represented making it appear that the operating platform is too low compared to the gate fully raised position.

the "standard" for the catenary rake is dropped in however these sites do not warrant splitting the conveyor into 2 separate directions which might be misleading.

Gate control building can be backed up by the PS generators, no need for an additional dedicated just to the gates. However if gensets are too large for light loads a house genset inside the pump station generator room that can serve this gated structure is likely warranted.

Check on other sites as well.

Submitted By: [Sandra Smith](#) (561-682-6510). Submitted On: Feb 09 2026

Revised Feb 09 2026.

**1-0 Evaluation Concurred**

These comments pertaining to the layout of features in the G-54 Improvement plans and the plans for the other structure improvements will be addressed in the updated drawings prepared for Final Report to be published in April 2026.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 17 2026

**1-1 Backcheck Recommendation Open Comment**

holding open for April confirmation in version

Submitted By: [Sandra Smith](#) (561-682-6510) Submitted On: Feb 24 2026

**2-0 Evaluation For Information Only**

Site specific design refinements will be warranted during the PED phase to fully address maintenance access at the proposed G-54 pump station and spillway site, utilizing the most current surveyed site conditions and SFWMD design standards at that time (e.g. changes to adjacent roadways, utilities, etc.).

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Apr 27 2026

**2-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Sandra Smith](#) (561-682-6510) Submitted On: Apr 27 2026

Current Comment Status: **Comment Closed**

201351 General Plans n/a n/a n/a

Comment Classification: **Controlled Unclassified Information (CUI)**

the downstream stilling wells are not standard. Do not use the 6x6 stainless steel pipe layout from S15 with a concrete pile supported platform. The RTU can mount along the straight platform avoiding need for the S18 T style or square end segment. However, the T might be advantageous if trying to provide some added protection of the instrument pipe against boat damage. The pile positions on the T are not as shown in the 6x6 layout shown, but are important to positioning of the instrument unless the bracket designs are modified accordingly.

Also, the precast "foundation" is not ideal on a steep slope such as these. Pile supported is the new standard.

Submitted By: [Sandra Smith](#) (561-682-6510). Submitted On: Feb 09 2026

Revised Feb 09 2026.

**1-0 Evaluation Concurred**

The details for the downstream stilling wells will be revised to be based on SFWMD's standard (S18) straight platform with the standard tripod mounted RTU installation located within the fenced area adjacent to the platform. Will meet with SFWMD to discuss some of the details concerning these revisions to ensure that the revisions are acceptable to SFWMD.

Concerning the last sentence of this comment, see response provided to Comment 201261. A sentence has been added to Section A.1.13 (within the second to last paragraph) stating that this determination about replacing the shallow conc. foundation with a pile supported conc. foundation will be made during the PED phase.

Submitted By: [Raymond Sciortino](#) (561-799-3855) Submitted On: Feb 19 2026

**1-1 Backcheck Recommendation Close Comment**

Closed without comment.

Submitted By: [Sandra Smith](#) (561-682-6510) Submitted On: Feb 24 2026

Current Comment Status: **Comment Closed**

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