



22 E. Weber Avenue, Room 301 | Stockton, CA 95202 | (209) 937-7900 | www.sjafca.org

BOARD OF DIRECTORS

<u>City of Stockton</u> Kimberly Warmasley Dan Wright, Chair Alt. Susan Lenz	<u>Public Member</u> Mike Morowit	<u>San Joaquin County</u> Katherine M. Miller Chuck Winn Alt. Tom Patti
<u>City of Manteca</u> Gary Singh, Vice-Chair Charlie Halford	<u>Executive Director</u> Chris Elias	<u>City of Lathrop</u> Paul Akinjo Diane Lazard

BOARD MEETING - Teleconference Zoom Meeting Only THURSDAY, FEBRUARY 17, 2022 9:00 A.M.

AGENDA IN LIGHT OF COVID-19

TO JOIN MEETING:		
By Phone:	By Computer:	By App:
(213) 338 8477 Meeting ID: 882 6639 4718 Passcode: 487502	https://downeybrand.zoom.us/j/88266394718?pwd=YnRHR3phZjRH SURxUWxtc0JGYlI6QT09	Meeting ID: 882 6639 4718 Passcode: 487502

In Compliance with the California Brown Act, as amended by AB 361, members of the Board of Directors will participate in the meeting remotely. Members of the public may also participate in the meeting remotely. Information to connect is above. All members of the public may initially be muted until unmuted by the moderator. Any member of the public may speak during Public Comment. SJAFCA will use best efforts to swiftly resolve requests for reasonable modifications or accommodations with individuals with disabilities, consistent with the Americans with Disabilities Act, and resolving any doubt whatsoever in favor of accessibility.

1. CALL TO ORDER / ROLL CALL
2. PLEDGE TO FLAG
3. APPROVE RESOLUTION AUTHORIZING REMOTE TELECONFERENCE MEETING PURSUANT TO AB 361

4. CONSENT ITEMS

4.1) Approve Minutes from the January 27, 2022, Board Meeting

5. NEW BUSINESS

5.1) Amendment No. 3 to the Funding Agreement with the California Department of Water Resources for Smith Canal Gate Urban Flood Risk Reduction Program

6. BRIEFINGS

6.1) Manteca Dryland Levee – Alternatives Analysis Update

7. ORAL REPORT FROM EXECUTIVE DIRECTOR

7.1) Smith Canal Gate Construction Update

7.2) Paradise Cut Expansion and South Delta Restoration Project

8. PUBLIC COMMENTS

9. BOARD QUESTIONS, COMMENTS, ACTIONS

10. CLOSED SESSION

10.1) Dominick Gulli v. San Joaquin Area Flood Control Agency
Case No. STK-CV-UWM-2015-0011880

10.2) Public Employment pursuant to Government Code Section 54957(b)

11. ADJOURNMENT

In compliance with the Americans with Disabilities Act, if you have a disability and need disability-related modifications or accommodations to participate in this meeting, please contact the Board's office at (209) 937-7900 or (209) 937-7115 (fax). Requests must be made one full business day before the start of the meeting.

Agenda Item 3

February 17, 2022

TO: Board of Directors of the San Joaquin Area Flood Control Agency

FROM: Scott Shapiro, General Counsel

RECOMMENDATION: APPROVE A RESOLUTION AUTHORIZING REMOTE TELECONFERENCE MEETINGS PURSUANT TO ASSEMBLY BILL 361 (AB 361) TO ALLOW THIS MEETING TO BE VIRTUAL.

SUMMARY

In order to allow this meeting to proceed virtually and to protect the safety of all participants, the Board should adopt the attached resolution.

BACKGROUND

The Brown Act requires public agencies to meeting in person, unless certain conditions are met. As a result of the COVID-19 pandemic and AB 361, this Board has the opportunity to meet virtually. Staff notes that the City of Stockton has made physical changes to the dais of the City Council Chamber to protect Board Members, who sit in close proximity to each other. However, the Chamber only provides for eight seats and there are nine Board Members. Staff also notes that immediately following this meeting there will be a PFA meeting that will seat ten members on the dais, an even bigger challenge.

DISCUSSION

In order to continue to hold remote meetings, the Board of Directors must declare every 30 days that either:

- (i) the state of emergency continues to directly impact the ability of the members to meet safely in person,
or
- (ii) State or local officials continue to impose or recommend measures to promote social distancing.

The state of emergency, as declared by the Governor continues in existence. Health officials continue to recommend measures to slow the spread of COVID-19. In addition, the City Council Chamber does not currently support a Board of Directors this large. The proposed resolution includes the necessary findings in order for the Board of Directors of the San Joaquin Area Flood Control Agency to make this meeting a virtual meeting.

NEXT STEPS

Staff recommends the Board of Directors approve the resolution authorizing remote teleconference meetings pursuant to Assembly Bill 361.

FISCAL IMPACT

There is no cost associated with this item.

SUBMITTED BY:



Scott L. Shapiro, Legal Counsel

RESOLUTION NO. SJAFCA 22-06

**SAN JOAQUIN AREA
FLOOD CONTROL AGENCY**

=====

**RESOLUTION OF THE BOARD OF DIRECTORS OF THE SAN JOAQUIN AREA
FLOOD CONTROL AGENCY TO PROCLAIM A LOCAL EMERGENCY IN
RESPONSE TO THE CORONAVIRUS (COVID-19)**

WHEREAS, on March 4, 2020, Governor Newsom issued a Proclamation of a State of Emergency for the State of California due to COVID-19; and

WHEREAS, on March 12, 2020, Dr. Maggie Park, San Joaquin County's Interim Public Health Officer declared a local public health emergency regarding COVID-19, an action ratified on same day by the San Joaquin Board of Supervisors; and

WHEREAS, the Board of Directors does hereby find that the COVID-19 pandemic has caused, and will continue to cause, conditions of danger to the safety of persons within the boundary of the San Joaquin Area Flood Control Agency, a local Joint Powers Agency, that are likely to be beyond the control of services, personnel, equipment, and facilities of the Agency, requiring the combined forces of other political subdivisions to combat; and

WHEREAS, the Board of Directors has considered all information related to this matter, as presented at the public meetings of the Board of Directors identified herein, including any supporting reports by the Agency Staff and consultants, and any information provided during public meetings.

NOW, THEREFORE, BE IT RESOLVED, by the Board of Directors of the San Joaquin Area Flood Control Agency, as follows:

1. The Board of Directors hereby finds that the facts set forth in the recitals to this Resolution are true and correct and, establish the factual basis for the Board of Directors' adoption of this Resolution.
2. The Board of Directors hereby finds that conditions of danger to the safety of persons do warrant and necessitate the proclamation of a local emergency throughout the boundary of the San Joaquin Area Flood Agency.
3. That the Board of Directors hereby continues the Proclamation of the existence of a Local Emergency.
4. That during the existence of said local emergency the powers, functions, and duties of the emergency organization of this Agency shall be those prescribed by state law, by ordinances, and resolutions of this Board of Directors.

5. The Board of Directors shall review the need for continuing this emergency proclamation within thirty (30) days.

6. This Resolution shall take effect immediately upon its adoption.

PASSED, APPROVED AND ADOPTED this 17TH day of February 2022.

DANIEL WRIGHT, Chair
of the San Joaquin Area
Flood Control Agency

ATTEST:

CHRIS ELIAS, Secretary
of the San Joaquin Area
Flood Control Agency

APPROVED AS TO FORM:

SCOTT L. SHAPIRO, Legal Counsel
for the San Joaquin Area
Flood Control Agency

Agenda Item 4.1

MINUTES
SAN JOAQUIN AREA FLOOD CONTROL AGENCY
BOARD MEETING OF JANUARY 27, 2022

STOCKTON, CALIFORNIA

1. CALL TO ORDER / ROLL CALL 9:03 AM

Roll Call

Present:

Director Akinjo
Director Halford
Director Miller
Director Morowit
Director Singh
Director Warmesley
Director Winn
Director Wright

Absent:

Director Lazard

Director Singh was not present for Roll Call but arrived at 9:10 AM

Introduction of new Director Charlie Halford.

2. PLEDGE TO FLAG 9:04 AM

3. ELECTION OF OFFICERS 9:05 AM

3.1) Elect a chair and vice-chair for the SJAFCA Board of Directors

Chair Elected: Dan Wright

Vice-Chair Elected: Gary Singh

Motion: To elect a chair for the SJAFCA Board of Directors

Moved by: Director Miller, Seconded by Director Warmesley

Vote: Motion carried 8-0

Yes: Director Akinjo, Director Halford, Director Miller, Director Morowit, Director Singh,
Director Warmesley, Director Winn, Director Wright

Absent: Director Lazard

Director Wright accepted election as the new chair.

Motion: To elect a vice-chair for the SJAFCA Board of Directors

Moved by: Director Morowit, Seconded by Director Miller

Vote: Motion carried 8-0

Yes: Director Akinjo, Director Halford, Director Miller, Director Morowit, Director Singh,
Director Warmesley, Director Winn, Director Wright

Absent: Director Lazard

Director Singh accepted election as the new vice-chair.

3.2) Recognition of outgoing chair

PUBLIC COMMENT

- Dominick Gulli submitted his comments in writing and shared public comments during the meeting for all to hear.

4. CONSENT ITEMS 9:22 AM

4.1) Approve Minutes from the December 16, 2021, Board meeting

PUBLIC COMMENT

- Dominick Gulli submitted his comments in writing and shared public comments during the meeting for all to hear.

Motion: To approve Minutes from the December 16, 2021, Board meeting

Moved by: Director Morowit, Seconded by Director Warmesley

Vote: Motion carried 7-0

Yes: Director Akinjo, Director Miller, Director Morowit, Director Singh, Director Warmesley, Director Winn, Director Wright

Abstain: Director Halford

Absent: Director Lazard

5. NEW BUSINESS 9:25 AM

5.1) Adopt a Resolution to accept Independent Auditor's Report and Financial Statements for the fiscal year ending June 20, 2021

Presentation by Jeff Stone and Shelvina Bains with Schwartz Giannini Lantsberger & Adamson Accountancy Corporation.

PUBLIC COMMENT

- Dominick Gulli submitted his comments in writing and shared public comments during the meeting for all to hear.

Motion: To adopt a Resolution to accept Independent Auditor's Report and Financial Statements for the fiscal year ending June 20, 2021

Moved by: Director Akinjo, Seconded by Director Singh

Vote: Motion carried 8-0

Yes: Director Akinjo, Director Halford, Director Miller, Director Morowit, Director Singh, Director Warmesley, Director Winn, Director Wright

Absent: Director Lazard

5.2) Approve consultant service agreements with Environmental Science Associates, Peterson Brustad Inc., and ENGEO Inc. for Mossdale Tract Area Urban Flood Risk Reduction Preliminary Design Support

PUBLIC COMMENT

- Dominick Gulli submitted his comments in writing and shared public comments during the meeting for all to hear.

Motion: To approve consultant service agreements with Environmental Science Associates, Peterson Brustad Inc., and ENGEO Inc. for Mossdale Tract Area Urban Flood Risk Reduction Preliminary Design Support

Moved by: Director Singh, Seconded by Director Morowit

Vote: Motion carried 8-0

Yes: Director Akinjo, Director Halford, Director Miller, Director Morowit, Director Singh, Director Warmesley, Director Winn, Director Wright

Absent: Director Lazard

5.3) Authorize term extension of the lease agreement with the City of Stockton for Detention Basin No. 1

PUBLIC COMMENT

- Dominick Gulli submitted his comments in writing and shared public comments during the meeting for all to hear.

Motion: To authorize term extension of the lease agreement with the City of Stockton for Detention Basin No. 1

Moved by: Director Miller, Seconded by Director Warmesley

Vote: Motion carried 8-0

Yes: Director Akinjo, Director Halford, Director Miller, Director Morowit, Director Singh, Director Warmesley, Director Winn, Director Wright

Absent: Director Lazard

6. BRIEFINGS 10:11 AM

6.1) Strategic Plan Update

PUBLIC COMMENT

- Dominick Gulli submitted his comments in writing and shared public comments during the meeting for all to hear.

7. ORAL REPORT FROM EXECUTIVE DIRECTOR 11:17 AM

7.1) Update on Enhanced Infrastructure Finance District (EIFD)

PUBLIC COMMENT

- Dominick Gulli submitted his comments in writing and shared public comments during the meeting for all to hear.

8. PUBLIC COMMENTS 11:52 AM

PUBLIC COMMENT

- Doug Clark submitted his comments in writing and shared public comments during the meeting for all to hear.
- Dominick Gulli submitted his comments in writing and shared public comments during the meeting for all to hear.

9. BOARD QUESTIONS, COMMENTS, ACTIONS 11:57 AM

None

10. CLOSED SESSION 11:57 AM

10.1) Dominick Gulli v. San Joaquin Area Flood Control Agency Case No. STK-CV-UWM-2015-0011880

- Report Out from Closed Session: Nothing to report

10.2) San Joaquin Area Flood Control Agency v. Stockton Golf and Country Club No. STK-CV-UED-2019-11392

- Report Out from Closed Session: Action is completed. Final settlement agreement was executed and was approved by the Court and a check for the amount of \$450,000 is being issued to Stockton Golf and Country Club. This matter is completely resolved.

10.3) Public Employment Pursuant to Government Code Section 54957(b)

- Report Out from Closed Session: Nothing to report.

11. ADJOURNMENT 12:34 PM

The meeting adjourned at 12:34 PM. The next meeting is scheduled for February 17, 2022 at 9:00 AM.

IMPORTANT NOTICE

In compliance with the Americans with Disabilities Act (ADA), the meeting room is wheelchair accessible and disabled parking is available. Requests from individuals who require special accommodations to access and/or participate in the San Joaquin Area Flood Control Agency Board meetings to please contact staff at (209) 937-8211, at least one full business day before the scheduled SJAFCA Board Meeting.

A handwritten signature in blue ink, appearing to read "Chris", is written over a horizontal line.

CHRIS ELIAS
EXECUTIVE DIRECTOR
SAN JOAQUIN AREA FLOOD
CONTROL AGENCY

January 27, 2022 SJAFCA Meeting Minutes

Agenda Item 5.1

February 17, 2022

TO: San Joaquin Area Flood Control Agency

FROM: Chris Elias, Executive Director

SUBJECT: **AMENDMENT No. 3 TO THE FUNDING AGREEMENT WITH DWR FOR SMITH CANAL GATE URBAN FLOOD RISK REDUCTION PROGRAM**

RECOMMENDATION

It is recommended that the Board of Directors of the San Joaquin Area Flood Control Agency adopt a resolution authorizing the Executive Director to execute Amendment No. 3 to the funding agreement for the Smith Canal Gate Urban Flood Risk Reduction Program as requested by the State Department of Water Resources (DWR) for the processing and release of the additional funds provided to the project by the State Budget Act of 2021, Ch. 240.

DISCUSSION

Background

On February 25, 2015, the SJAFCA Board authorized a submittal of an Urban Flood Risk Reduction (UFRR) concept proposal application to seek State funding for project construction.

A full application requesting 67% of construction costs was submitted in August 2015. The application was approved and on October 24, 2017, the UFRR grant agreement was fully executed setting DWR's conditional cost-share at 63% of the project construction costs to a maximum amount of \$22,309,666. The grant agreement also required that an Independent Panel of Expert (IPE) engineers review be conducted on a regular schedule sufficient to gather information on the adequacy, appropriateness, and acceptability of the design and construction activities to assure public health, safety, and welfare.

The recommendations by the IPE engineers resulted in increases to the project cost. On February 21, 2019, DWR conditionally committed up to \$13,562,092 of additional funding for the State's share to advance the project. This additional funding, which brought the State's share for the UFRR grant to \$35,871,758, covered the modifications recommended by the IPE engineers that required changes to the design. These changes in project design were not reasonably foreseeable at the time the UFRR grant agreement was executed. Consequently, the total State contribution for the project through the combined EIP and UFRR grants stands at \$38,284,258 (EIP: \$2,412,500 + UFRR: \$35,871,758).

AGENDA ITEM 5.1

Up until 2021, the sole funding source by the State for construction of the Smith Canal Gate project was Proposition 1E (Flood System Repair Project of the California Disaster Preparedness and Flood Prevention Bond Act of 2006).

On July 22, 2021, The Board approved Amendment No. 2 to the Funding Agreement which allows the State to access funding for multi-benefit improvements from Proposition 68 (The California Drought, Water, Parks, Climate, Coastal Protection and Outdoor Access for All Act of 2018). Amendment No. 2 to the Funding Agreement allowed the State to tap into Proposition 68 as a second source to fund its share of the project cost.

Present Situation

On September 23, 2021, Governor Gavin Newsom signed legislation that included AB 170 (Nancy Skinner) - Budget Act of 2021. AB 170 provides for, among other important measures, \$2 million in direct funding for the Smith Canal Gate project. The funding is allocated to the Smith Canal Gate Project through the Department of Water Resources to augment the State's cost share of the project.

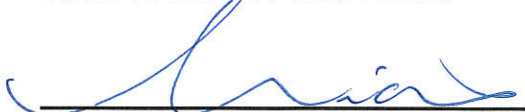
To allow for the appropriate processing and release of this additional funding for the Project, the Department of Water Resources needs to amend the existing language in the funding agreement for the Project as shown on Attachment 1.

Therefore, it is recommended that the Board authorize the Executive Director to execute Amendment No. 3 to the funding agreement for the Smith Canal Gate Urban Flood Risk Reduction Program as requested by DWR for the processing and release of the additional funds provided to the project by the State Budget Act of 2021, Ch. 240. Amendment No. 3 to the Funding Agreement would allow DWR to tap into the allocation by AB 170 to augment its share of the project cost.

FINANCIAL SUMMARY

If approved by the Board, staff would execute Amendment No. 3 to the Funding Agreement which would allow DWR to tap into the allocation by AB 170 to augment its share of the project cost.

PREPARED BY: Juan Neira



APPROVED:
CHRIS ELIAS
EXECUTIVE DIRECTOR

CE:JJN:dc

STATE OF CALIFORNIA
THE NATURAL RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Amendment No. 3

To

FUNDING AGREEMENT

BETWEEN

THE STATE OF CALIFORNIA DEPARTMENT OF WATER RESOURCES

AND THE

SAN JOAQUIN AREA FLOOD CONTROL AGENCY

FOR THE

SMITH CANAL GATE

**FUNDED UNDER THE
URBAN FLOOD RISK REDUCTION PROGRAM**

OF

**THE CALIFORNIA DISASTER PREPAREDNESS AND FLOOD PREVENTION BOND ACT OF 2006; THE
CALIFORNIA DROUGHT, WATER, PARKS, CLIMATE, COASTAL PROTECTION, AND OUTDOOR
ACCESS FOR ALL ACT OF 2018; AND, THE BUDGET ACT OF 2021**

Amendment Number 3 to Agreement No. 4600012026, entered into by and between the State of California, acting by and through the Department of Water Resources, herein referred to as the "State" and the San Joaquin Area Flood Control Agency, herein referred to as "SJAFC", a public agency in the County of San Joaquin, State of California, duly organized, existing, and acting pursuant to the laws thereof, herein referred to as the "Funding Recipient," which parties do hereby agree as follows:

- A. This Amendment will modify page 4 adding the following text after the eighth line of text that reads "2018" to add "AND THE BUDGET ACT OF 2021" and to add at the end of the immediately succeeding legal citation "; Stats. 2021, ch. 240."

- B. This Amendment will modify the first sentence of Paragraph 1 as follows:

This funding is made available by State to Funding Recipient to assist in financing an Urban Flood Risk Reduction Program Project pursuant California Public Resources Code sections 5096.800 et seq.; 80000 et seq.; and, the Budget Act of 2021 (Stats. 2021, ch. 240).

- C. This Amendment will replace Paragraph 2. TERM OF THE FUNDING AGREEMENT as follows:

The term of the Funding Agreement shall be from October 24, 2017, through December 31, 2024.

- D. This Amendment will modify Paragraph 5 as follows:

LIMIT ON STATE FUNDS. Pursuant to the California Disaster Preparedness and Flood Prevention Bond Act of 2006 (Proposition 1E), to the California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018 (Proposition 68), to the Budget Act of 2021 (Stats. 2021, ch. 240) and subject to the availability of funds, including any mandates from the Department of Finance, the Pooled Money Investment Board ("PMIB") or any other state authority, the State will provide to Funding Recipient in accordance with the terms of this Funding Agreement for the estimated State cost share an amount not to exceed **\$37,871,758** except as provided in Paragraph 29. The State will not make payments of any kind -- advances or reimbursements -- until funding is made available by the State Treasurer, after allocation decisions are made by the Pooled Money Investment Board and Department of Finance. Funding recipients will only be entitled to State funds for Eligible Project Costs, as defined in Paragraph 7, and calculated in accordance with the cost sharing provisions in Paragraph 8.

E. This Amendment will modify the third sentence of Paragraph 12 as follows:

State shall have no obligation to disburse money under this Funding Agreement unless and until the disbursement is in accordance with requirements of the Propositions 1E, 68 and to the Budget Act of 2021 and:

F. This Amendment will modify Paragraph 32 as follows:

FUNDING RECIPIENT COMMITMENTS. Funding Recipient accepts and agrees to comply with all terms, provisions, conditions, and commitments of this Funding Agreement, including all incorporated documents, and to fulfill all assurances, declarations, representations, and statements made by Funding Recipient in the application, documents, amendments, and communications filed in support of Its request for California Disaster Preparedness and Flood Prevention Bond Act of 2006 and California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access For All Act of 2018 financing and the Budget Act of 2021.

G. Std. 213A, Paragraph 2, is hereby amended to read: The term of this Agreement is October 24, 2017, through December 31, 2024.

H. All other terms and conditions of Agreement No. 4600012026 and Amendments shall remain the same and in effect.

IN WITNESS WHEREOF, the parties hereto have executed this Amendment No. 3 to the Funding Agreement.

STATE OF CALIFORNIA DEPARTMENT
OF WATER RESOURCES

FUNDING RECIPIENT

By: _____
Jeremy Arrich, Manager
Division of Flood Management

By: _____
Chris Elias, Executive Director
San Joaquin Area Flood Control Agency

Date: _____

Date: _____

Approved as to Legal Form and Sufficiency:

Approved for Legal Form and Sufficiency:
Funding Recipient Counsel

By: _____
Robin E. Brewer
Assistant General Counsel
Department of Water Resources

By: _____
Scott Shapiro
Agency Counsel
San Joaquin Area Flood Control Agency

Date: _____

Date: _____

RESOLUTION NO. SJAFCA 22-05

**SAN JOAQUIN AREA
FLOOD CONTROL AGENCY**

=====

**AUTHORIZATION TO EXECUTE AMENDMENT NO. 3 TO FUNDING
AGREEMENT WITH THE STATE OF CALIFORNIA, DEPARTMENT OF
WATER RESOURCES FOR THE PROCESSING AND RELEASE OF THE
ADDITIONAL FUNDS PROVIDED TO THE PROJECT BY THE STATE
BUDGET ACT OF 2021, Ch. 240**

BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE SAN JOAQUIN AREA
FLOOD CONTROL AGENCY, AS FOLLOWS:

Authorize the Executive Director:

1. Execute Amendment No. 3 to the funding agreement with the State of California, Department of Water Resources for the processing and release of the additional funds provided to the project by the State Budget Act of 2021, Ch. 240

PASSED, APPROVED AND ADOPTED this 17th day of February 2022.

DAN WRIGHT, Chair
of the San Joaquin Area
Flood Control Agency

ATTEST:

CHRIS ELIAS, Secretary
of the San Joaquin Area
Flood Control Agency.

APPROVED AS TO FORM:

SCOTT L. SHAPIRO, Legal Counsel
for the San Joaquin Area
Flood Control Agency

Agenda Item 6.1

TO: San Joaquin Area Flood Control Agency

FROM: Chris Elias, Executive Director

SUBJECT: **MANTECA DRYLAND LEVEE – ALTERNATIVES ANALYSIS UPDATE**

RECOMMENDATION

Recommend that the Board of Directors receive an informational briefing on the Manteca Dryland Levee Final Draft Alternatives Analysis Report.

DISCUSSION

Background

The cities of Lathrop and Manteca jointly funded a technical study with Peterson Brustad Inc. (PBI) in 2014 to define the scope of flood system improvements necessary to achieve 200-year flood protection and to demonstrate adequate progress toward an Urban Level of Flood Protection (ULOP). This study included development of 200-year water surface profiles for the San Joaquin River, 200-year floodplains (and depths) for the Mossdale Tract, complete Urban Levee Design Criteria (ULDC) analysis, and the identification of levee deficiencies requiring improvement to achieve 200-year flood protection for the Reclamation District 17 (RD 17) levees. These efforts provided Lathrop and Manteca with the critical information necessary to make a “finding of adequate progress” toward providing ULOP for the urbanized areas of the cities. The Manteca City Council adopted the Findings of Adequate Progress toward providing ULOP in July 2016.

The 2014 technical study included development of a multi-phase levee improvement plan, which recommended an extension of the dryland levee in the southern portion of Manteca. A preliminary alignment was developed for this dryland levee extension, and, although this alignment achieves the project goal of providing 200-year flood protection, there were a number of concerns from property owners in the vicinity of the proposed improvements. In response to these concerns, the Manteca City Council approved a Professional Services Agreement with Drake Haglan and Associates. The scope of work for this contract included public outreach, project management, and developing additional conceptual alignments for the purpose of working with stakeholders to build consensus on preferred alignments for both the dryland levee extension and the proposed future Antone Raymus Expressway.

Following the expansion of SJAFCA to include the cities of Lathrop and Manteca in 2018, SJAFCA became the sole Local Flood Management Agency (LFMA) for the Mossdale Tract area (area protected by RD 17 levees) with the responsibility to conduct ULOP adequate progress reporting. Most recently, in June 2021, Larsen Wurzel & Associates prepared the “Mossdale Tract Area: 2021 Annual Adequate Progress Report for Urban Level of Protection Final Report” the “APR” which is available on SJAFCA’s website. It has been determined the existing levees protecting the Mossdale Tract Area do not meet the updated Department of Water Resources (DWR) ULDC standards adopted in May 2012, and the existing levees are not currently certified to provide 200-year protection. Accordingly, SJAFCA, in close coordination with its member agencies, is pursuing efforts to achieve ULOP by 2028.

The LFMA’s plan, described in the APR, for flood protection through the year 2028 consists of two components: (1) RD 17’s ongoing Levee Seepage Repair Project (LSRP) and (2) SJAFCA Levee Improvements to achieve ULDC 200-year requirements, which includes an extension of the existing dry land levee.

MANTECA DRYLAND LEVEE ALTERNATIVES

A review of the (i) project scope, (ii) project schedule, and (iii) the cost of the previously developed alternatives, all as proposed in 2016, demonstrates that they were developed to meet the appropriate standard of protection based on information known at that time. During this last year, information has been shared by the State of California regarding potential changes in hydraulics and hydrology due to climate change. That information is being considered to determine what changes, if any, need to be made to the previously explored alternatives to ensure that they continue to meet the appropriate standard of protection.

On August 18, 2020, SJAFCA entered into a consultant agreement with Wood Rogers, Inc. to determine the appropriate alignment for extension of the Manteca Dry Land Levee that will take careful consideration of the technical issues, community impacts, and stakeholder input throughout the process. The consulting team was given direction to build from work previously completed by the Cities of Lathrop and Manteca and further refine the preferred alignment of the dryland levee extension to deliver 200-year protection. This includes the consideration of one or more new alternative alignments in combination with some of the alternatives already studied.

Present Situation

The consulting team of Wood Rodgers/MBK/Kleinfelder has completed geotechnical, hydraulic, and environmental evaluations of multiple alternatives using desktop analysis. In addition to the alignment developed by Drake Haglan, the Wood Rodgers team engaged with local landowners and member agencies to develop other alignments for evaluation. Each alignment was further refined to incorporate geotechnical mitigation measures and to balance impacts to property owners and South San Joaquin Irrigation District (SSJID) facilities. Two alternatives were selected to carry forward into the alternatives analysis (with both cutoff walls and berms to mitigate seepage in each case). The consulting team conducted three community meetings during development of the draft alternatives analysis report.

The consultant team published a Draft Alternatives Analysis Report for the proposed Manteca Dryland Levee Project in November 2021. The Draft Report includes a recommended alternative and is currently under review by SJAFCA and member agency staff.

Next Steps

This material is informational to ensure the SJAFCA Board and community has the latest status on activities within the Agency and an understanding of how they directly correlate back to the adopted strategy. SJAFCA staff anticipates publishing the Alternatives Analysis Report as Final in March 2022. The report findings will be incorporated into the Mossdale Urban Flood Risk Reduction (UFFR) Project California Environmental Quality Act (CEQA) analysis.

MANTECA DRYLAND LEVEE ALTERNATIVES

FISCAL IMPACT

This is an informational item with no fiscal impact.

STRATEGIC PLAN CONSISTENCY ANALYSIS

The material found in this report is consistent with the Mission and Goals of the Board-adopted Strategic Plan, specifically Goal 1 to Plan for and Implement System Resiliency.

SUBMITTED BY:



CHRIS ELIAS
EXECUTIVE DIRECTOR

Attachments:

1. Manteca Dry Land Levee Project – Project Briefing (PDF)

Manteca Dry Land Levee Project Project Briefing

February 17, 2022



Goal for Today's Presentation

- Provide a Project Briefing for the Manteca Dryland Levee Project
 - Project Overview
 - Project Timeline
 - Overall Project Approach
 - Array of Alternatives
 - Evaluation Criteria
 - Alternatives Analysis
 - Results
 - Conclusions and Recommendations
 - Questions

Project Overview

Location

Eastern Extension of RD 17 Levee South of Manteca

Lead Agency

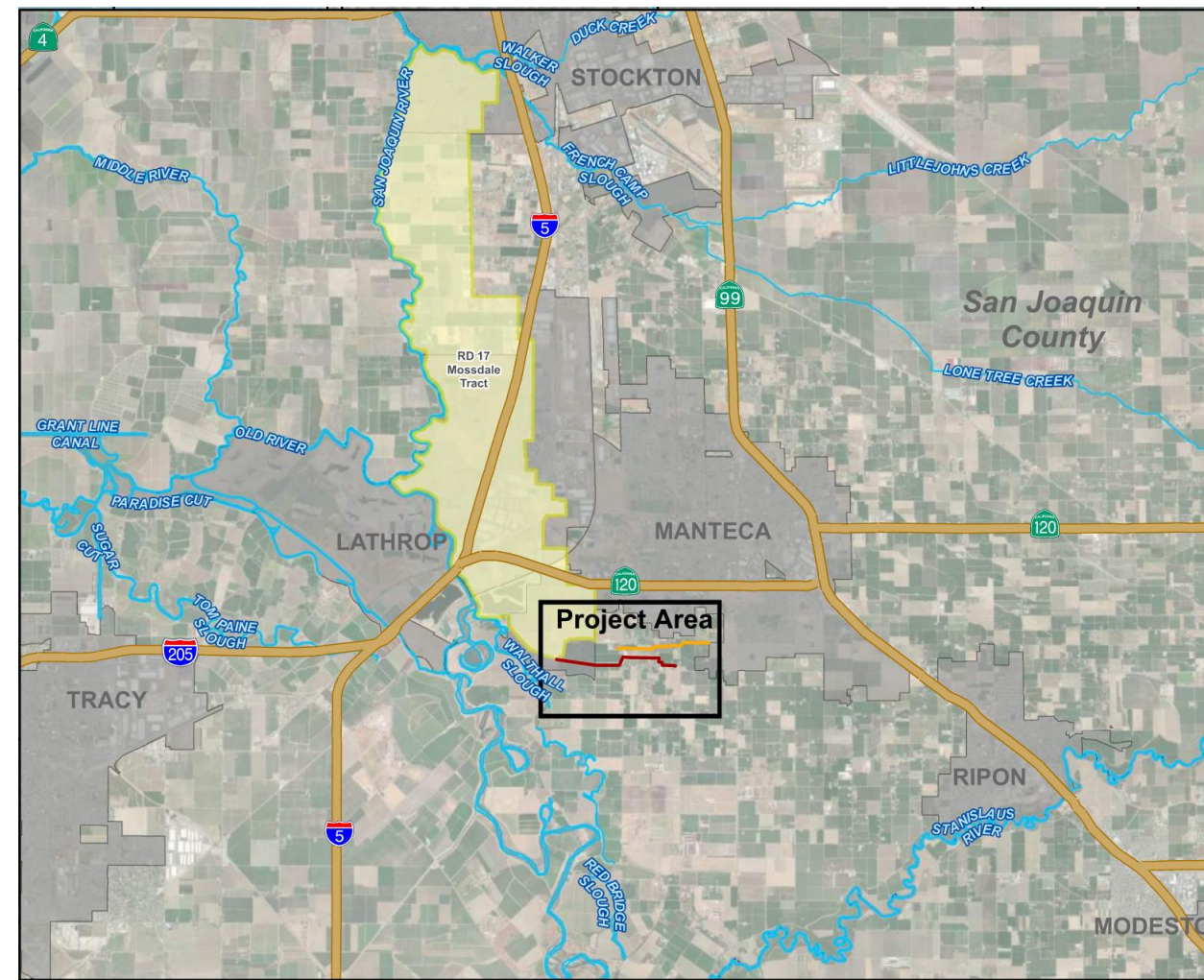
SJAFCA

Need for the Project

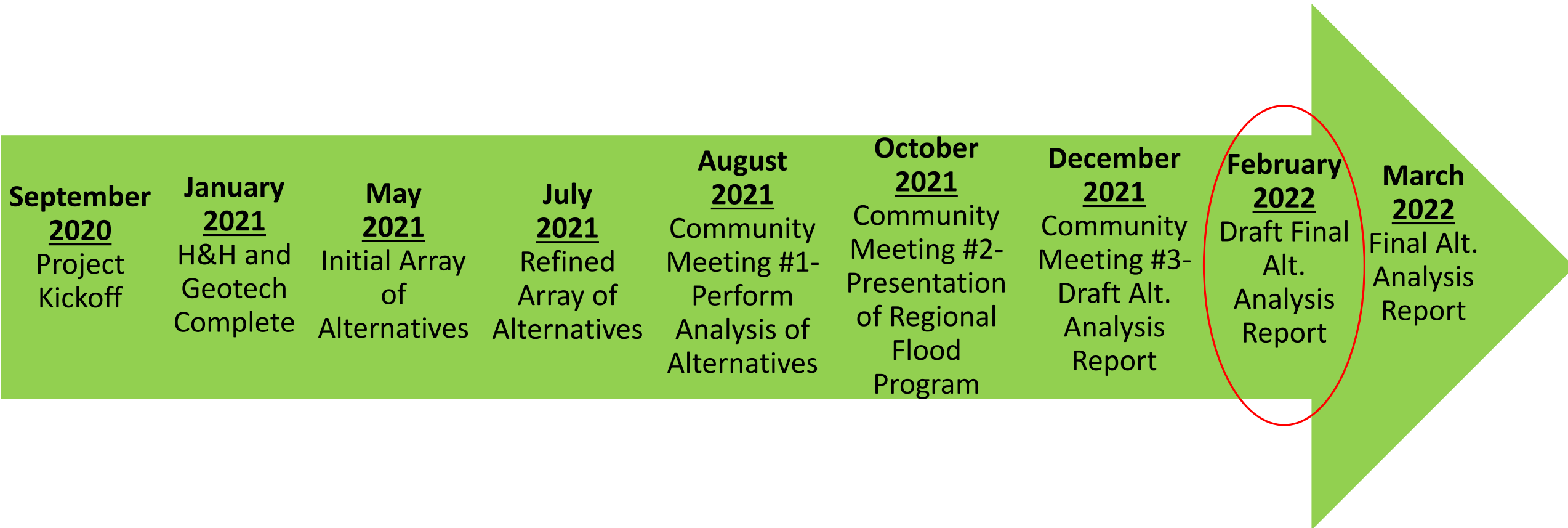
- Senate Bill 5
- A breach of the Walthall Slough Levee during a 200-yr flood event results in outflanking of the existing Dryland Levee, impacting RD17, Manteca, Lathrop, Stockton, and unincorporated areas of San Joaquin County

Project Goal

To leverage previous efforts in the development of a detailed alternatives analysis. This analysis will ultimately provided recommendations for the future design of a 200-yr Flood Protection Project that is consistent with SB 5 and can be advanced to preliminary design & environmental permitting.



Project Timeline



Overall Project Approach

- Develop Preliminary Array of Alternatives, comprised of Alignments Based on Previously Completed Efforts While Adding Additional Considerations for Civil, Environmental, Geotechnical and Hydraulic Design
- Develop Evaluation Criteria and Apply to Each Alternative in Order to Rank Alternatives
- Determine a Preferred Alternative Based on the Rankings
- Develop Recommendations for the Next Steps Needed to Move the Project Forward

Array of Alternatives

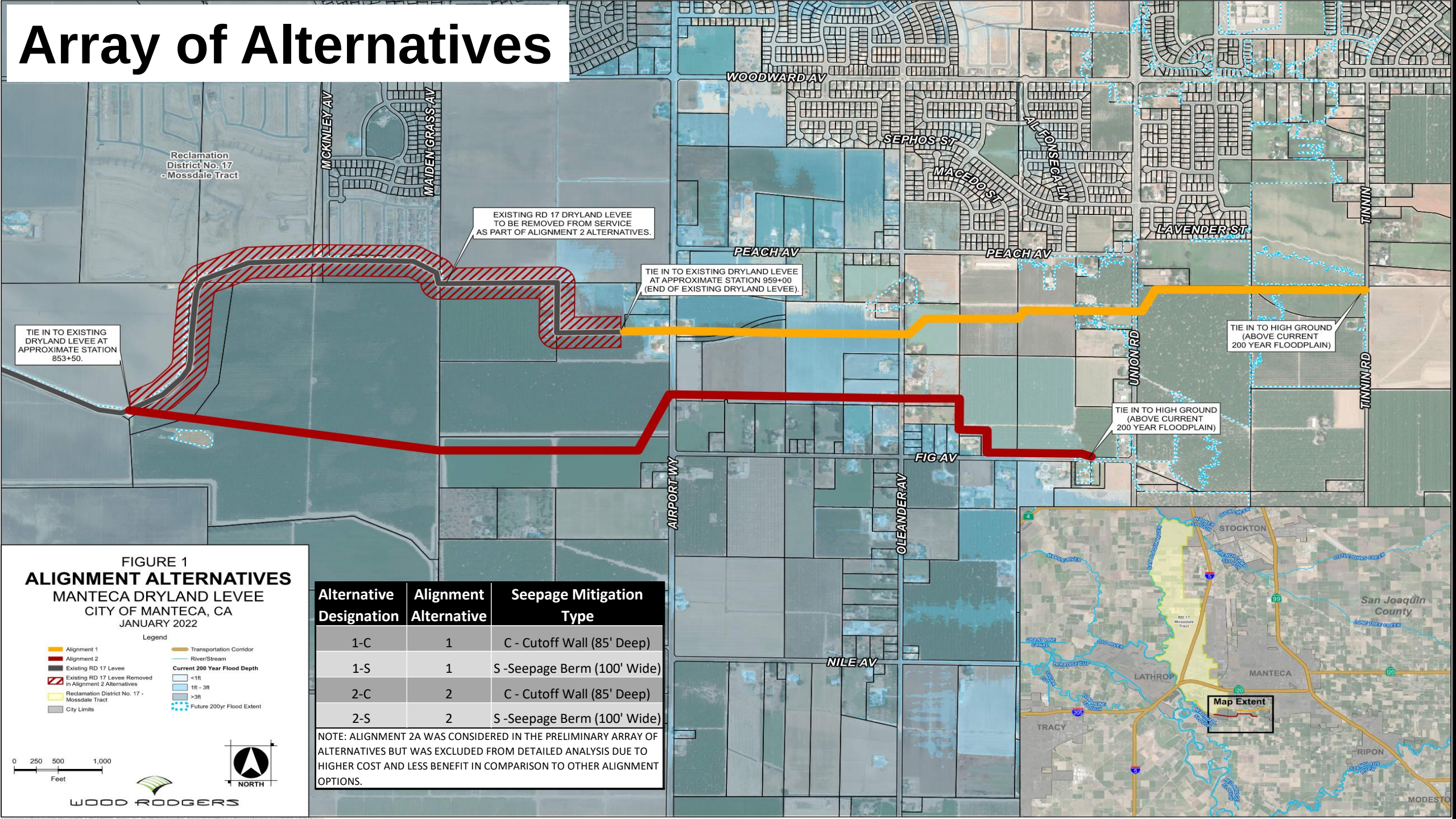


FIGURE 1
ALIGNMENT ALTERNATIVES
MANTECA DRYLAND LEVEE
CITY OF MANTECA, CA
JANUARY 2022

- Legend
- Alignment 1
 - Alignment 2
 - Existing RD 17 Levee
 - Existing RD 17 Levee Removed in Alignment 2 Alternatives
 - Reclamation District No. 17 - Mossdale Tract
 - City Limits
 - Transportation Corridor
 - River/Stream
 - Current 200 Year Flood Depth
 - <1ft
 - 1ft - 3ft
 - >3ft
 - Future 200yr Flood Extent

Alternative Designation	Alignment Alternative	Seepage Mitigation Type
1-C	1	C - Cutoff Wall (85' Deep)
1-S	1	S - Seepage Berm (100' Wide)
2-C	2	C - Cutoff Wall (85' Deep)
2-S	2	S - Seepage Berm (100' Wide)

NOTE: ALIGNMENT 2A WAS CONSIDERED IN THE PRELIMINARY ARRAY OF ALTERNATIVES BUT WAS EXCLUDED FROM DETAILED ANALYSIS DUE TO HIGHER COST AND LESS BENEFIT IN COMPARISON TO OTHER ALIGNMENT OPTIONS.

Evaluation Criteria

The Following Criteria were Applied to Each Considered Alternative

- Flood Risk Reduction Benefits
- Flood System Resiliency
- Hydraulic Impacts/Transfer of Risk Considerations¹
- Floodplain Management/Wise Use of the Floodplain
- Operation and Maintenance Considerations
- Stakeholder Support
- Real Estate Impacts
- Estimated Costs

1. Hydraulic Impacts and Transfer of Risk were included as a rating criterion, as this is an important consideration, but ratings were not assigned due to data being unavailable at the time of the publication of the AA report.

Alternatives Analysis

Each alternative was evaluated against the criteria discussed above and was assigned a rating based on how well it was determined to achieve the desired objective.

Each rating was assigned a point value as shown below:

- “Excellent” – 4 Points
- “Good” – 3 Points
- “Fair” – 2 Points
- “Poor” – 1 Point

After ratings were assigned for each of the individual criteria, their corresponding point values were added up to determine an overall rating, as defined by the table below:

Overall Rating Criteria				
Point Total	24 – 20	19 – 15	14 – 10	< 9
Rating Assigned	Excellent	Good	Fair	Poor

Results

A summary of the performance of reach alternative is show below.

Performance Summary											
Alt.	Flood Risk Reduction Benefits	Flood System Resiliency	Hydraulic Impacts/ Transfer of Risk Considerations	Floodplain Management/ Wise Use of the Floodplain	O&M Considerations	Stakeholder Support	Real Estate Impacts	Overall Rating	Estimated Cost	Cost Adjustment	Adjusted Cost
1C	Good	Good	TBD	Good	Fair	Poor	Fair	Fair (14/24)	\$31,113,800	\$19,700,000	\$50,813,800
1S	Good	Good	TBD	Good	Poor	Fair	Poor	Fair (13/24)	\$35,140,100	\$19,700,000	\$54,840,100
2C	Good	Good	TBD	Fair	Good	Fair	Fair	Good (15/24)	\$41,312,900	\$ -	\$41,312,900
2S	Good	Good	TBD	Fair	Fair	Good	Fair	Good (15/24)	\$50,534,800	\$ -	\$50,534,800

Results

A summary of the performance of reach alternative is show below.

Performance Summary											
Alt.	Flood Risk Reduction Benefits	Flood System Flexibility and Resiliency	Hydraulic Impacts/ Transfer of Risk Considerations	Floodplain Management/ Wise Use of the Floodplain	O&M Considerations	Stakeholder Support	Real Estate Impacts	Overall Rating	Estimated Cost	Cost Adjustment	Adjusted Cost
1C	Good	Good	TBD	Good	Fair	Poor	Fair	Fair (14/24)	\$31,113,800	\$19,700,000	\$50,813,800
1S	Good	Good	TBD	Good	Poor	Fair	Poor	Fair (13/24)	\$35,140,100	\$19,700,000	\$54,840,100
2C	Good	Good	TBD	Fair	Good	Fair	Fair	Good (15/24)	\$41,312,900	\$ -	\$41,312,900
2S	Good	Good	TBD	Fair	Fair	Good	Fair	Good (15/24)	\$50,534,800	\$ -	\$50,534,800

Conclusions and Recommendations

Preferred Alternative

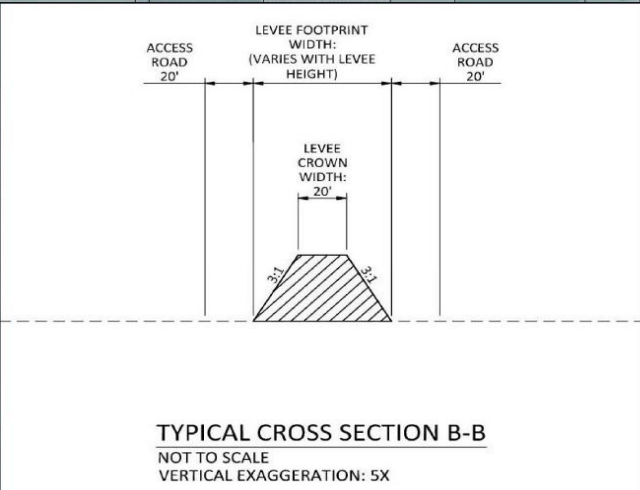
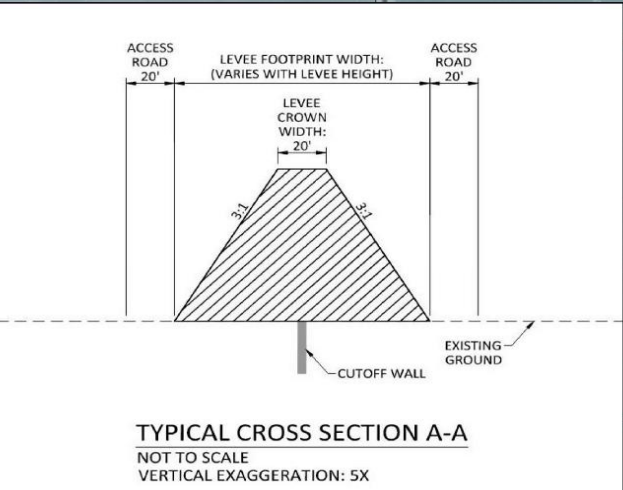
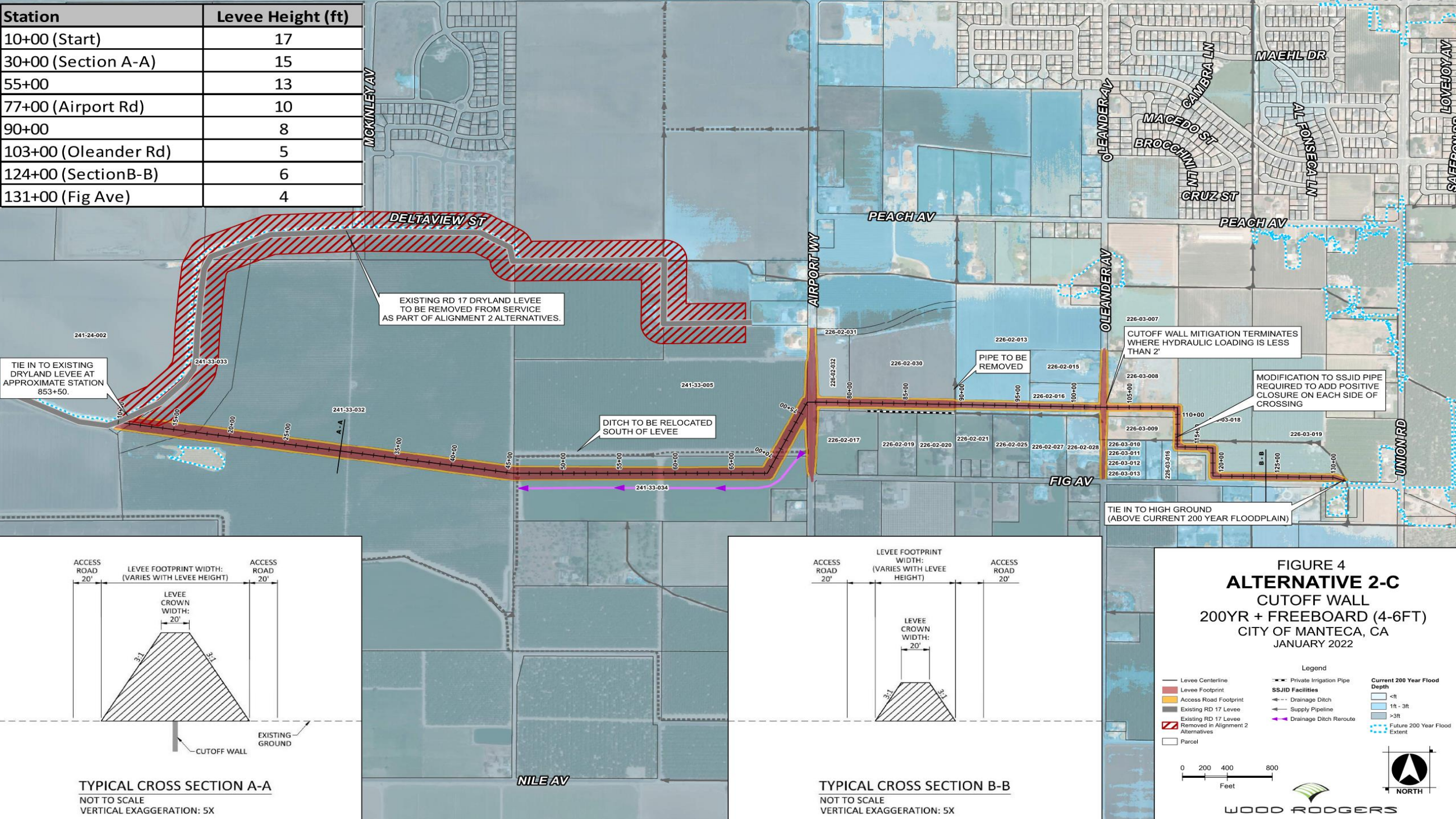
Based on the results of this Alternatives Analysis, the preferred plan was found to be Alternative 2C. It is the highest rated alternative and has the lowest overall estimated cost (including adjustments).

Alternative 2S should also be considered a viable option moving forward. It shares the same rating as Alternative 2C and, while it has a higher estimated cost, it may be preferred by adjacent landowners, with seepage berms being the historically preferred method for seepage mitigation in the region (due to groundwater impact concerns).

Recommended Next Steps

1. Consider hydraulic impact analysis and community feedback in preparation of final report (Spring 2022).
2. Initiate collection of geotechnical data to refine seepage mitigation dimensions (Fall 2022).
3. Conduct CEQA analysis for Manteca Dryland Levee as part of overall Mossdale UFRR Project (2022 – 2023).
4. Secure funding for overall Program design and construction (2023).
5. Complete final design for overall Program (2024).
6. Construct overall Program (2025 - 2028)

Station	Levee Height (ft)
10+00 (Start)	17
30+00 (Section A-A)	15
55+00	13
77+00 (Airport Rd)	10
90+00	8
103+00 (Oleander Rd)	5
124+00 (Section B-B)	6
131+00 (Fig Ave)	4



**FIGURE 4
ALTERNATIVE 2-C
CUTOFF WALL
200YR + FREEBOARD (4-6FT)
CITY OF MANTECA, CA
JANUARY 2022**

Legend

- Levee Centerline
- ▬ Levee Footprint
- ▬ Access Road Footprint
- ▬ Existing RD 17 Levee
- ▬ Existing RD 17 Levee Removed in Alignment 2 Alternatives
- ▬ Parcel
- Private Irrigation Pipe
- SSJID Facilities
- Drainage Ditch
- Supply Pipeline
- Drainage Ditch Reroute
- Current 200 Year Flood Depth
 - <1ft
 - 1ft - 3ft
 - >3ft
- Future 200 Year Flood Extent

0 200 400 800 Feet

WOOD RODGERS

NORTH

Questions?

Station	Levee Height (ft)
10+00 (Start)	7
16+00 (Airport Rd)	6
30+00 (Section A-A)	7
42+00 (Oleander Ave)	6
55+00	5
70+00 (Union Rd)	5
88+00 (Section B-B)	4
97+00(Tinnin Rd)	4

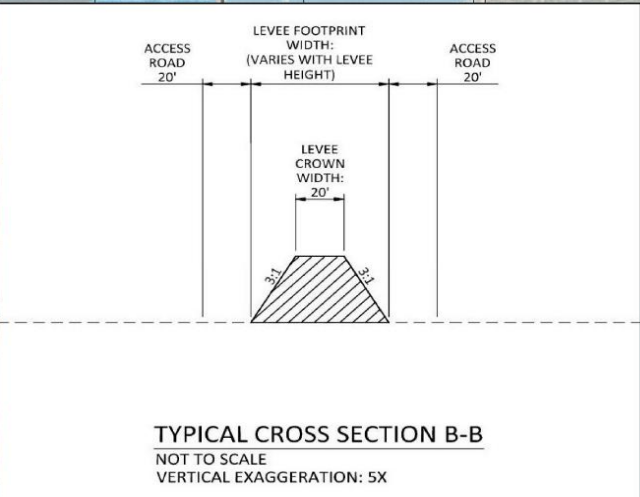
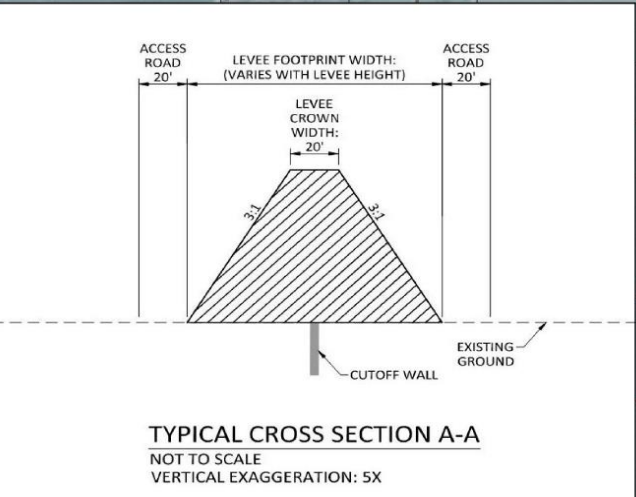
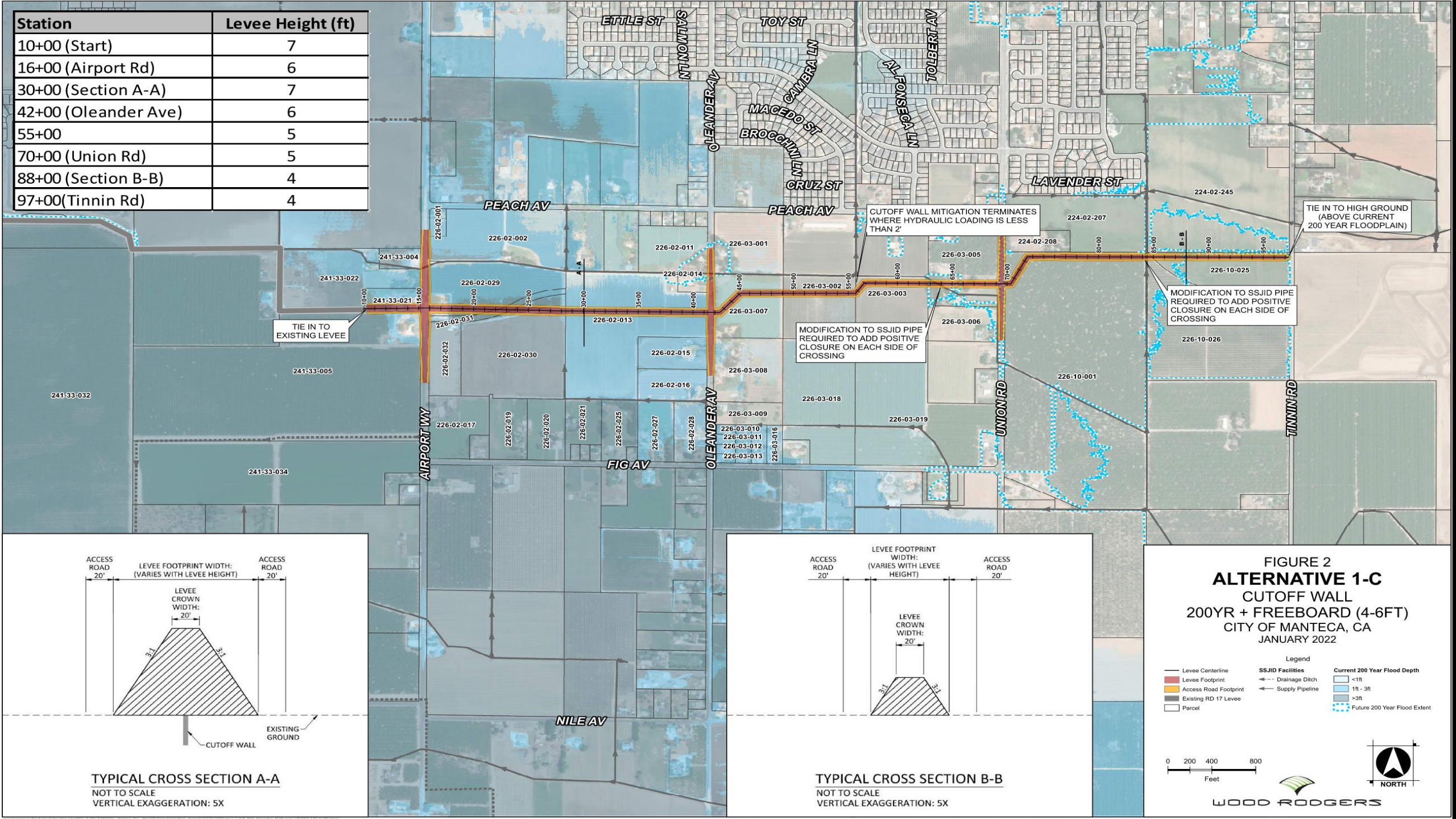


FIGURE 2

ALTERNATIVE 1-C

CUTOFF WALL

200YR + FREEBOARD (4-6FT)

CITY OF MANTECA, CA

JANUARY 2022

Legend

— Levee Centerline

— Levee Footprint

— Access Road Footprint

— Existing RD 17 Levee

□ Parcel

SSJID Facilities

- Drainage Ditch
- Supply Pipeline

Current 200 Year Flood Depth

- <1ft
- 1ft - 3ft
- >3ft

Future 200 Year Flood Extent

0 200 400 800

Feet

Station	Levee Height (ft)
10+00 (Start)	7
16+00 (Airport Rd)	6
30+00 (Section A-A)	7
42+00 (Oleander Ave)	6
55+00	5
70+00 (Union Rd)	5
88+00 (Section B-B)	4
97+00(Tinnin Rd)	4

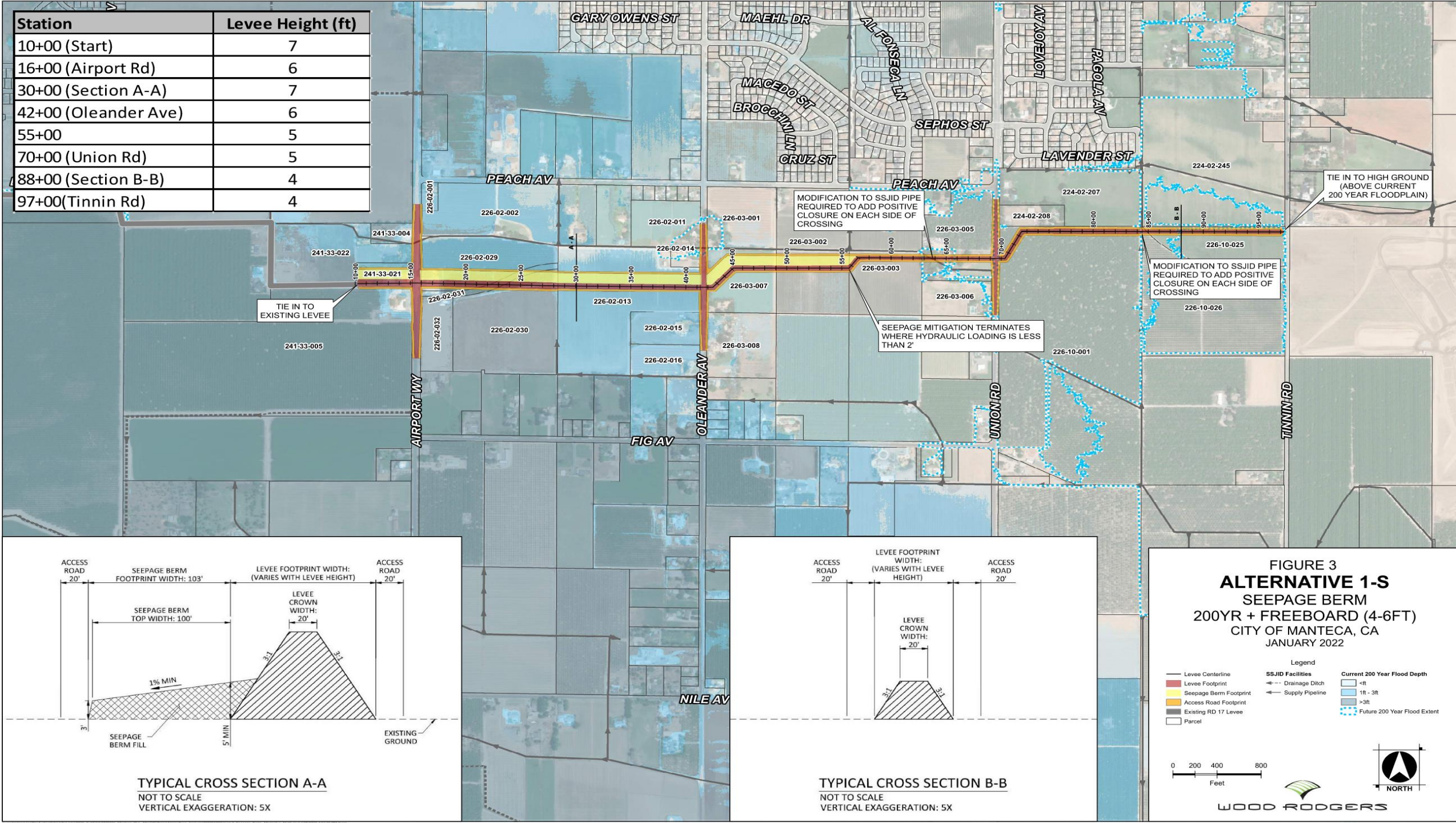


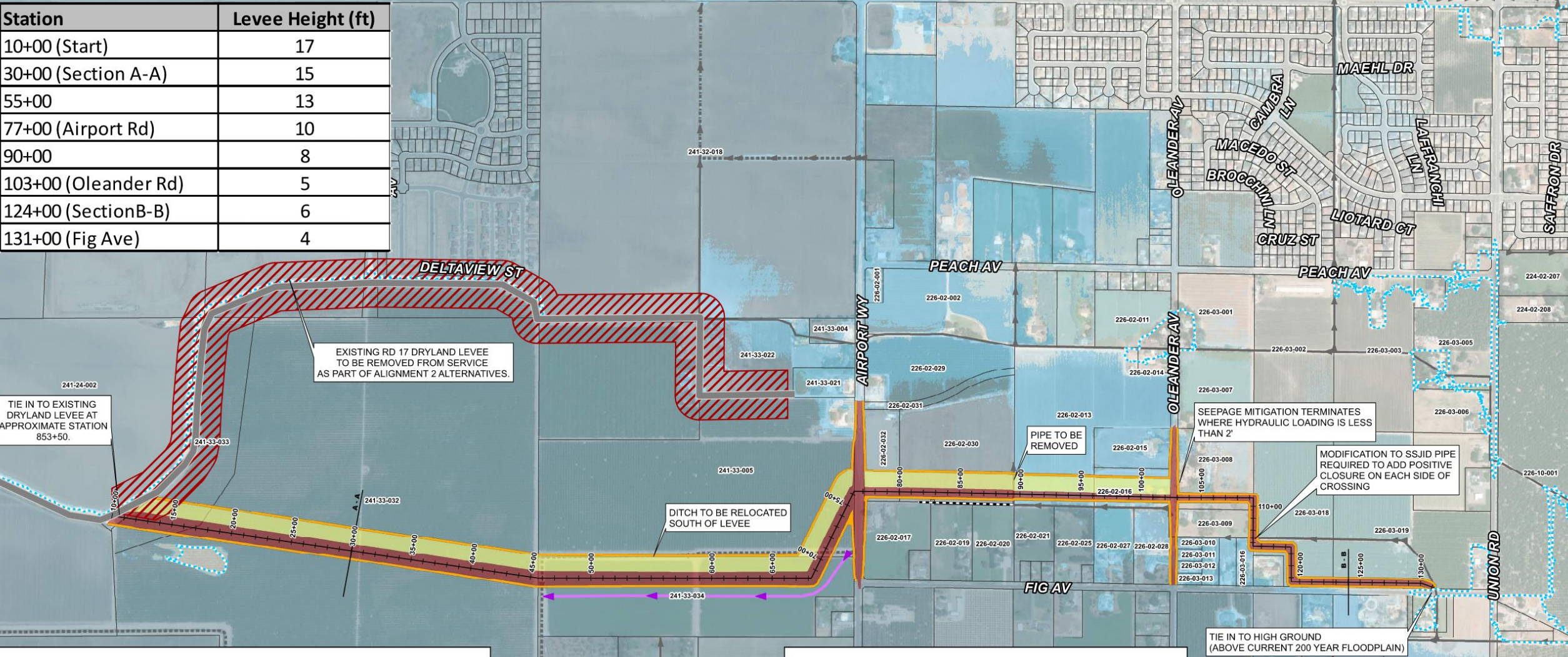
FIGURE 3
ALTERNATIVE 1-S
SEEPAGE BERM
200YR + FREEBOARD (4-6FT)
CITY OF MANTECA, CA
JANUARY 2022

Legend

— Levee Centerline	SSJID Facilities	Current 200 Year Flood Depth
■ Levee Footprint	← - - Drainage Ditch	□ <1ft
■ Seepage Berm Footprint	← - - Supply Pipeline	■ 1ft - 3ft
■ Access Road Footprint		■ >3ft
■ Existing RD 17 Levee		Future 200 Year Flood Extent
■		■



Station	Levee Height (ft)
10+00 (Start)	17
30+00 (Section A-A)	15
55+00	13
77+00 (Airport Rd)	10
90+00	8
103+00 (Oleander Rd)	5
124+00 (Section B-B)	6
131+00 (Fig Ave)	4



TIE IN TO EXISTING DRYLAND LEVEE AT APPROXIMATE STATION 853+50.

EXISTING RD 17 DRYLAND LEVEE TO BE REMOVED FROM SERVICE AS PART OF ALIGNMENT 2 ALTERNATIVES.

DITCH TO BE RELOCATED SOUTH OF LEVEE

PIPE TO BE REMOVED

SEEPAGE MITIGATION TERMINATES WHERE HYDRAULIC LOADING IS LESS THAN 2'

MODIFICATION TO SSJID PIPE REQUIRED TO ADD POSITIVE CLOSURE ON EACH SIDE OF CROSSING

TIE IN TO HIGH GROUND (ABOVE CURRENT 200 YEAR FLOODPLAIN)

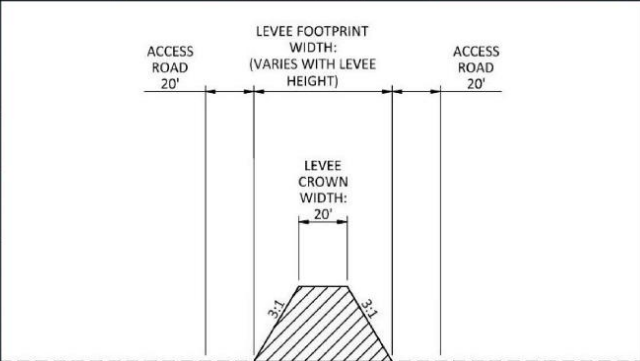
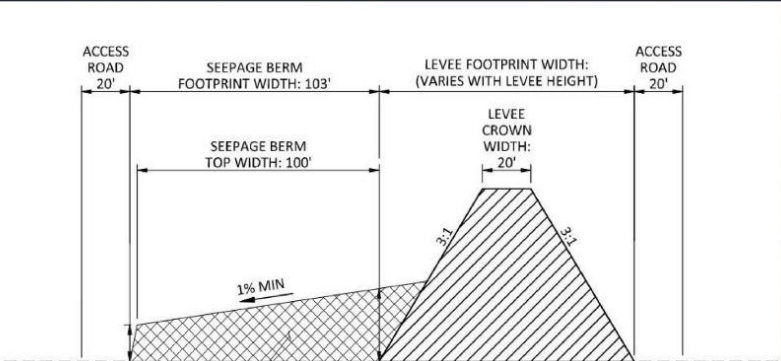


FIGURE 5
ALTERNATIVE 2-S
SEEPAGE BERM
200YR + FREEBOARD (4-6FT)
CITY OF MANTECA, CA
JANUARY 2022

Legend

— Levee Centerline

— Levee Footprint

— Seepage Berm Footprint

— Access Road Footprint

— Existing RD 17 Levee

Existing RD 17 Levee Removed in Alignment 2

— Private Irrigation Pipe

SSJID Facilities

Seepage Berm Footprint

Drainage Ditch

Supply Pipeline

Drainage Ditch Reroute

Current 200 Year Flood Depth

<1ft

1ft - 3ft

>3ft

Future 200 Year Flood Extent

**End of
Agenda Packet**