

**Flood Control Project Maintenance
Levee Inspections**

Fall 2019 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

MA0007 Sutter Maintenance Yard Maintenance Area 0007	Overall LMA Rating	Total LMA Miles						
	A	11.90						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					0.97	0.01		
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.22	0.01		
DRAFT DWR UCIP LMA Responsibility								
<i>LMA Totals:</i>	0.00	0.00	0.00	0.00%	1.19	0.02	0.00	0.00

Unit No. 01 Feather River RB MA0007	Overall Unit Rating	Total Unit Miles						
	A	11.90						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					0.97	0.01		
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.22	0.01		
DRAFT DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	1.19	0.02	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections
LMA District Cover Sheet
Fall 2019 Levee Inspection Results**

Sutter Maintenance Yard Maintenance Area 0007

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† **SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles
Unit No. 01 Feather River	Right	11.90

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	4/4/2019 - 4/4/2019		11/4/2019 - 11/4/2019	
DWR Inspector	Sterling York		Sterling York	
Accompanied By	Shawn Freitag Sutter Maintenance Yard		Shawn Freitag Sutter Maintenance Yard Bob Duffey Sutter Maintenance Yard	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

LM Start		Rating **	A	Issue No.	1
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Operations & Maintenance Manuals			o	o
				o	o
DWR ID	DWR_MA0007_01_s_2013_1				
Comment Code					
Inspector Comment					
The O&M manuals are located at the Sutter Maintenance Yard.					

No Photos

LM Start		Rating **	A	Issue No.	3
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Emergency Supplies & Equipment			o	o
				o	o
DWR ID	DWR_MA0007_01_s_2013_3				
Comment Code					
Inspector Comment					
Emergency supplies and equipment are stored at the Sutter Maintenance Yard.					

No Photos

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start		End
Item	Flood Preparedness & Training			o	o
				o	o
DWR ID	DWR_MA0007_01_s_2013_4				
Comment Code					
Inspector Comment					
Sutter Maintenance Yard employees attend the annual Flood Fight class put on by DWR.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

LM Start	0.02	Rating **	A	Issue No.	10
LM End	11.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.311187°	39.439539°	
			-121.637590°	-121.646135°	
DWR ID	DWR_MA0007_01_f_2019_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Fall 2019.					

Photo 1 of 1 : FA_2019_MA0007_200_10_20191112_00024.jpg



View looking upstream landside at the well maintained annual vegetation, Fall 2019.

LM Start	0.02	Rating **	A	Issue No.	11
LM End	11.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.311187°	39.439540°	
			-121.637590°	-121.646135°	
DWR ID	DWR_MA0007_01_f_2019_11				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The annual vegetation is well maintained, Fall 2019.					

Photo 1 of 1 : FA_2019_MA0007_200_11_20191112_00026.jpg



View looking upstream waterside at the well maintained annual vegetation, Fall 2019.

LM Start	0.31	Rating **	N	Issue No.	69
LM End	0.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.314991°	39.315693°	
			-121.635038°	-121.634459°	
DWR ID	DWR_MA0007_01_s_2016_69				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Several tree stumps at WS levee toe.					

Photo 1 of 1 : FA_2019_MA0007_200_69_20190904_00007.jpg



View looking downstream at several tree stumps on the WS levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

LM Start	1.54	Rating **	C	Issue No.	12
LM End	1.54	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.331845°	39.331845°
				-121.633220°	-121.633220°
DWR ID	DWR_MA0007_01_s_2019_12				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings are placed to prevent traffic from levee slope, Fall 2019.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

LM Start	1.55	Rating **	U	Issue No.	71
LM End	1.55	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.331934 °	39.331934 °
				-121.633246 °	-121.633246 °
DWR ID	16928				

Comment Code

Inspector Comment

DS_ID:16928
 FS_ID:55847
 EP_NO: N/A
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: 09/04/2019 Photos provided by M. Bellomy with Flood Maintenance Office have been uploaded to record. Photos highlight the extent of damage on LS slope. (O. Magana - DWR UCIP)05/08/2019 LMA Supervisor, Shawn Freitag, has completed a temporary repair to prevent water from flowing from LS irrigation ditch to WS. Burrow hole on LS has been plugged and concrete bags have been placed to prevent water from entering the pipe and causing further damage to the pipe section through levee. Crossing will continued to be monitored by LMA. Need to coordinate with DWR DMP to address permanent solution for abandoned crossing. (O. Magana - DWR UCIP)

05/07/2019 Record has been updated from Non-Urgent to Urgent due to pipe integrity issues found. DWR UCIP was notified by LMA Supervisor, Shawn Freitag, of pipe leak observed on LS and causing flooding to WS. Burrow hole is allowing flow to enter pipe. Hole present on pipe section near the concrete headwall. Erosion (sloughing) observed on LS slope. Pipe section tied to WS concrete box that runs parallel to levee was flooding Kiwi Orchard. Section of concrete distribution box was removed to allow for proper drainage and prevent flooding to Kiwi Orchard. Measures by LMA Supervisor are being pursued to stop flow through pipe to prevent further erosion damage through the levee (damage identified during DWR DMP Phase 1 internal video inspection). Record has been updated to reflect the DMP Phase 1 inspection report, crossing has been upgraded from Non-Urgent to Urgent based on the condition of the pipe through the levee. (O. Magana - DWR UCIP)12/07/2018 Encroachment owner information: Sukhraj Singh Pamma, 9850 Sheldon Avenue, Live Oak, CA 95953-9784, 1-530-695-2490. The CVFPB sent an encroachment violation notice on August 16, 2011 to Mr. and Ms. Ratana. Information obtained from the Levee_Encroachment_listing_11288.pdf which was received from SBFCA. Need to coordinate with CVFPB to determine status of permit. (O. Magana - DWR UCIP)

08/09/2017 Crossing is still present, no modifications were made to this crossing. Crossing still appears to be abandoned and not in use, recommend contacting owner to determine status of crossing. This pipe was not part of the Feather River West Levee Improvements, Project D. Pipe is located outside the project limits. Project Improvements began at Station (Sta) 1765+00 (MA0007 about LM 1.73) to Sta 2303+50 (ST0005 about LM 1.23), refer to record drawings for the Feather River West Levee Improvement Plans Station 1765+00 to 2368+26, Project D details. (DWR UCIP - O. Magana)08/02/2017 Unknown if crossing was modified, not shown in record drawings. (DWR UCIP - O. Magana)

Photo 1 of 3 : UCIP_FA_2019_55847_79201.jpg



LS view: Internal view of pipe condition during DMP Phase 1 Inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Flood Control Project Maintenance
Levee Inspections

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

05/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.06/10/2015 Same as last inspection.12/29/2014 Same as last inspection.05/19/2014 Same as last inspection.11/06/2013 Same as last inspection.05/13/2013 SBFCA project recommends replacing in accordance with title 23.05/10/2013 Same as last inspection. LS scour behind structure needs to be repaired.10/31/2012 crossing appears abandoned, slide gate is missing on landward side; wood frame remains on LS; scour hole present on LS, 3 feet by 3 feet, near wood frame. (DWR UCIP - O. Magana)
FIELD_STRUCT_DESC: *ABANDONED* 12-inch corrugated metal drainage pipe through the levee, 8.2 feet below the crown. Slide gate on the landside (LS) is no longer present. Concrete "U" headwall at the waterside (WS) toe. Irrigation ditch located on the LS. [Additional Reference(s): DWR Levee Log, 2005]
FS Date: 5/7/2019 12:40:00 PM

LM Start	1.55	Rating **	U	Issue No.	71 (cont)
LM End	1.55	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_55847_79230.jpg



LS view: section of levee has slipped at pipe crossing.

LM Start	1.55	Rating **	U	Issue No.	71 (cont)
LM End	1.55	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_55847_79229.jpg



LS view: hole visible on LS, appears to be linked to burrow hole that is allowing flow to go into pipe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
N/A : Not Applicable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

LM Start	1.71	Rating **	M	Issue No.	72
LM End	1.71	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.334294 °	39.334294 °
				-121.634008 °	-121.634008 °
DWR ID	20816				

Comment Code

Inspector Comment

DS_ID:20816
 FS_ID:56069
 EP_NO: 11987
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 05/07/2019 Crossing has been modified. Need to contact owner to determine permit authorizing new modifications on both WS and LS. (O. Magana - DWR UCIP)12/07/2018 New encroachment owner information: Sukhraj Singh Pamma, 9850 Sheldon Avenue, Live Oak, CA 95953-9784, 1-530-695-2490. Information obtained from the Levee_Encroachment_listing_11288.pdf received from SBFCA. The permit listed in the pdf file is 11987. This permit was issued to the Cox Brothers in 1977. Need to have new owner apply for Permit Name Change with the CVFPB. (O. Magana - DWR UCIP) 08/09/2017 It appears that this pipe is used to water the orchard located on the WS. Dense vegetation present along the WS slope, recommend clearing vegetation to allow for proper inspection of levee slope. No permit has been identified since 2012. (DWR UCIP - O. Magana)08/02/2017 After reviewing record drawings it appears this crossing has remained. This pipe was not part of the Feather River West Levee Improvements, Project D. Pipe is located outside the project limits. Project Improvements began at Station (Sta) 1765+00 (MA0007 about LM 1.73) to Sta 2303+50 (ST0005 about LM 1.23), refer to record drawings for the Feather River West Levee Improvement Plans Station 1765+00 to 2368+26, Project D details. (DWR UCIP - O. Magana)
 05/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.06/10/2015 Crossing has been modified since last inspection. 3' black plastic pipe is now running through the metal pipe and the difference was capped and welded. (A. Freitag - FMO Sutter Yard)12/29/2014 Same as last inspection.05/19/2014 Same as last inspection.11/06/2013 Same as last inspection.05/13/2013 SBFCA project recommends removal. Permit number and owner in detailed report book.05/07/2013 Same as last inspection. Recommend finding owner.10/30/2012 Crossing was installed about 1 foot deep--need permit authorizing work. (DWR UCIP - O. Magana)
 FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 1 foot below the crown. Crossing on the landside (LS) is attached to a weir above ground. Siphon breaker located on the waterside (WS). No opening on the WS. (12-inch pipe across the berm, levee, and Sutter-Butte Canal was authorized under Permit 11987, 1977 - Cox Brothers).
 [Additional Reference(s): Sutter Butte Flood Control Agency (SBFCA) Feather River West Levee Project, Volume 4 of 6 (Project D) Feather River West Levee Improvement Plans Sta 1765+00 to 2368+26, 2016, Volume 4-SBFCA_Record_Drawings_Project D_2017.05.16.pdf, Drawing No. C-101].

Photo 1 of 3 : UCIP_FA_2019_56069_77330.jpg



LS view: pipe visible along LS canal.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

FS Date: 5/7/2019 12:40:00 PM

LM Start	1.71	Rating **	M	Issue No.	72 (cont)
LM End	1.71	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_56069_77331.jpg



Overview of levee crown at crossing looking downstream.

LM Start	1.71	Rating **	M	Issue No.	72 (cont)
LM End	1.71	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_56069_77332.jpg



WS view: dense vegetation along WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

LM Start	1.72	Rating **	M	Issue No.	73
LM End	1.72	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.334336°	39.334336°
				-121.634046°	-121.634046°
DWR ID	16927				

Comment Code

Inspector Comment

DS_ID:16927
 FS_ID:55062
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 05/07/2019 Record remains Non-Urgent, no permit has been identified for this crossing. Internal inspection has been completed but no pipe evaluation by DMP is available yet. Need to determine if pipe is mainly used for drainage or irrigation. (O. Magana - DWR UCIP)12/07/2018 Encroachment owner information: Sukhraj Singh Pamma, 9850 Sheldon Avenue, Live Oak, CA 95953-9784, 1-530-695-2490. Information obtained from the Levee_Encroachment_listing_11288.pdf which was received from SBFCA. Need to coordinate with CVFPB to determine status of permit. (O. Magana - DWR UCIP)
 08/09/2017 Crossing is still present, unable to confirm is crossing is still in use. Recommend contacting owner to determine status, remove dense vegetation blocking outlet, and to obtain permit authorizing crossing. (DWR UCIP - O. Magana)08/02/2017 After reviewing record drawings it appears this crossing has remained. This pipe was not part of the Feather River West Levee Improvements, Project D. Pipe is located outside the project limits. Project Improvements began at Station (Sta) 1765+00 (MA0007 about LM 1.73) to Sta 2303+50 (ST0005 about LM 1.23), refer to record drawings for the Feather River West Levee Improvement Plans Station 1765+00 to 2368+26, Project D details. (DWR UCIP - O. Magana)
 05/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.06/10/2015 WS headwall is still damaged and no repairs were made to this pipe. Looks like the SBFCA project skipped over this area so pipe was not replaced as it was listed to be.12/29/2014 Same as last inspection.05/19/2014 Same as last inspection.11/06/2013 Same as last inspection.05/13/2013 SBFCA project recommends replacing with accordance to title 23.05/07/2013 Same as last inspection, however exposed rebar on WS headwall does not impede structure performance.10/31/2012 WS headwall rebar exposed. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0051 however, no issue listed. (DWR UCIP - O. Magana)
 FIELD_STRUCT_DESC: 10-inch polyvinyl chloride (PVC) pipe encased in a 12-inch corrugated metal irrigation pipe through the levee, 7 feet below the crown. Concrete U-shaped headwall at the waterside (WS) toe. Concrete headwall and slide gate on the landside (LS). Concrete weir in the canal. (Existing 10-inch PVC pipe and 12-inch corrugated metal [concrete indicated in record drawings] irrigation pipe crossing remained during the Feather River West Levee Improvements, Project D). [Additional Reference(s): DWR Levee Log, 2005. Sutter Butte Flood Control Agency (SBFCA) Feather River West Levee Project, Volume 4

Photo 1 of 3 : UCIP_FA_2019_55062_77335.jpg



LS view: screw gate and concrete headwall visible on LS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

LM Start	1.76	Rating **	M	Issue No.	74
LM End	1.76	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		39.334868°	39.334868°	
			-121.633773°	-121.633773°	
DWR ID	16926				

Comment Code

Inspector Comment

DS_ID:16926
 FS_ID:55067
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 05/07/2019 Record remains Non-Urgent, no permit has been identified for the structure. Recommend adding covers to the CMP risers located on the WS as a safety measure. DMP internal inspection is still pending. It is unclear who the owner and maintainer is for this structure. LMA will need to coordinate with CVFPB to determine true owner. (O. Magana - DWR UCIP)12/07/2018 Encroachment Owner is Butte Water District c/o Mark Orme, District Manager, 735 Virginia Street, Gridley, CA 95948, 1-530-846-3100. Information obtained from the Levee_Encroachment_listing_11288.pdf obtained from SBFCA which also indicates CVFPB Permit Process - New Permit. Need to coordinate with CVFPB to determine status of permit. (O. Magana - DWR UCIP)
 08/09/2017 Dual 60-inch pipes are still present--no modifications appear to have been made to this structure. No permit or owner has been identified. Need to contact owner to notify of safety issue regarding the missing covers for CMP riser. (DWR UCIP - O. Magana)08/02/2017 After reviewing record drawings it appears this crossing has remained. Project Improvements begin at Station (Sta) 1765+00 (MA0007 about LM 1.73) to Sta 2303+50 (ST0005 about LM 1.23), refer to record drawings for the Feather River West Levee Improvement Plans Station 1765+00 to 2368+26, Project D details. MA0007 project details include NO CUTOFF WALL from Sta 1765+00 (MA0007 about LM 1.73) to 1815+00 (MA0007 about LM 2.64) and LEVEE DEGRADE AND RECONSTRUCTION WITH CUT OFF WALL from Sta 1817+00 (MA0007 about LM 2.69) to Sta 2289+00, Sta 2287+00 to Sta 2290+00 (MA0007 about LM 11.60). (DWR UCIP - O. Magana)
 05/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.06/10/2015 Debris still present in risers and pipes were not replaced with the SBFCA project.12/29/2014 Same as last inspection.05/19/2014 Same as last inspection.11/06/2013 Same as last inspection.05/13/2013 SBFCA project recommends replacing in accordance with title 23.05/07/2013 Same debris issue as last inspection. Recommend repairing top cover to prevent falls. Wheel to open gate chained and locked so could not verify gate operation.10/31/2012 Debris inside riser could prevent slide gate from closing. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0060 however, no issues noted. (DWR UCIP - O. Magana)
 FIELD_STRUCT_DESC: 1 of 2: 60-inch corrugated metal gravity drainage pipe through the levee, 12.5 feet below the crown. Slide gate in a 78-inch corrugated metal pipe (CMP) well on the waterside (WS)

Photo 1 of 3 : UCIP_FA_2019_55067_77346.jpg



Overview of levee crown looking upstream towards crossings.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

slope. Concrete bulkheads on both ends. Reinforced concrete spillway on the WS end. (Existing 60-inch corrugated metal gravity drainage pipe crossing remained during the Feather River West Levee Improvements, Project D). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 1+90). Sutter Butte Flood Control Agency (SBFCA) Feather River West Levee Project, Volume 4 of 6 (Project D) Feather River West Levee Improvement Plans Sta 1765+00 to 2368+26, 2016, Volume 4-SBFCA_Record_Drawings_Project D_2017.05.16.pdf, Drawing No. C-101].
FS Date: 5/7/2019 12:42:00 PM

LM Start	1.76	Rating **	M	Issue No.	74 (cont)
LM End	1.76	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_55067_77351.jpg



LS view: concrete headwall with dual 60-inch crossings visible from LS.

LM Start	1.76	Rating **	M	Issue No.	74 (cont)
LM End	1.76	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_55067_77342.jpg



LS view: view of canal looking west from crossing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown N/A : Not Applicable	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

LM Start	1.76	Rating **	M	Issue No.	75
LM End	1.76	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		39.334886°	39.334886°	
			-121.633783°	-121.633783°	
DWR ID	17011				

Comment Code

Inspector Comment

DS_ID:17011
 FS_ID:55066
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 05/07/2019 Record remains Non-Urgent, no permit has been identified for the structure. Recommend adding covers to the CMP risers located on the WS as a safety measure. DMP internal inspection is still pending. It is unclear who the owner and maintainer is for this structure. LMA will need to coordinate with CVFPB to determine true owner. (O. Magana - DWR UCIP)12/07/2018 Encroachment Owner is Butte Water District c/o Mark Orme, District Manager, 735 Virginia Street, Gridley, CA 95948, 1-530-846-3100. Information obtained from the Levee_Encroachment_listing_11288.pdf obtained from SBFCa which also indicates CVFPB Permit Process - New Permit. Need to coordinate with CVFPB to determine status of permit. (O. Magana - DWR UCIP)
 08/09/2017 Dual 60-inch pipes are still present--no modifications appear to have been made to this structure. No permit or owner has been identified. Need to contact owner to notify of safety issue regarding the missing covers for CMP riser. (DWR UCIP - O. Magana)08/02/2017 After reviewing record drawings it appears this crossing has remained. Project Improvements begin at Station (Sta) 1765+00 (MA0007 about LM 1.73) to Sta 2303+50 (ST0005 about LM 1.23), refer to record drawings for the Feather River West Levee Improvement Plans Station 1765+00 to 2368+26, Project D details. MA0007 project details include NO CUTOFF WALL from Sta 1765+00 (MA0007 about LM 1.73) to 1815+00 (MA0007 about LM 2.64) and LEVEE DEGRADE AND RECONSTRUCTION WITH CUT OFF WALL from Sta 1817+00 (MA0007 about LM 2.69) to Sta 2289+00, Sta 2287+00 to Sta 2290+00 (MA0007 about LM 11.60). (DWR UCIP - O. Magana)
 05/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.06/10/2015 Debris still present inside riser and pipe was not replaced with the SBFCa project.12/29/2014 Same as last inspection.05/19/2014 Same as last inspection.11/06/2013 Same as last inspection.05/13/2013 SBFCa project recommends replacing in accordance with title 23.05/07/2013 Same as last inspection. Recommend constructing cover to prevent falls. Wheel to operate gate chained and locked so gate operation could not be verified.10/31/2012 no cover; debris inside riser could prevent slide gate from closing. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0060 however, no issues noted. (DWR UCIP - O. Magana)
 FIELD_STRUCT_DESC: 2 of 2: 60-inch corrugated metal gravity drainage pipe through the levee, 12.5 feet below the crown. Slide gate in a 78-inch corrugated metal pipe (CMP) well on the waterside (WS)

Photo 1 of 3 : UCIP_FA_2019_55066_77352.jpg



Overview of levee crown looking upstream towards crossings.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

slope. Concrete bulkheads on both ends. Reinforced concrete spillway on the WS end. (Existing 60-inch corrugated metal gravity drainage pipe crossing remained during the Feather River West Levee Improvements, Project D). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 1+90). Sutter Butte Flood Control Agency (SBFCA) Feather River West Levee Project, Volume 4 of 6 (Project D) Feather River West Levee Improvement Plans Sta 1765+00 to 2368+26, 2016, Volume 4-SBFCA_Record_Drawings_Project D_2017.05.16.pdf, Drawing No. C-101].
FS Date: 5/7/2019 12:42:00 PM

LM Start	1.76	Rating **	M	Issue No.	75 (cont)
LM End	1.76	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_55066_77357.jpg



LS view: concrete headwall with dual 60-inch crossings.

LM Start	1.76	Rating **	M	Issue No.	75 (cont)
LM End	1.76	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_55066_77358.jpg



LS view: canal located on LS, photo taken from levee crown looking west.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
N/A : Not Applicable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

LM Start	1.94	Rating **	M	Issue No.	76
LM End	1.94	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.337442°	39.337442°
				-121.633500°	-121.633500°
DWR ID	25499				
Comment Code					
Inspector Comment					
<p>DS_ID:25499 FS_ID:55068 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/07/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been issued by the CVFPB for this pipe. Second paddle marker located along the LS slope is down. No other issues were observed during inspection. (O. Magana - DWR UCIP)08/09/2017 Crossing field verified, photos added to record, and coordinates updated. No permit has been issued however, markers show owner as WAL (or Waller Family Revocable Trust c/o Sandra A. Waller. Will need to update permit information when the CVFPB issues permit for this crossing. (DWR UCIP - O. Magana)08/08/2017 Crossing was installed under the Feather River West Levee Improvements, Project D. Project Improvements begin at Station (Sta) 1765+00 (MA0007 about LM 1.73) to Sta 2303+50 (ST0005 about LM 1.23), refer to record drawings for the Feather River West Levee Improvement Plans Station 1765+00 to 2368+26, Project D details. MA0007 project details include NO CUTOFF WALL from Sta 1765+00 (MA0007 about LM 1.73) to 1815+00 (MA0007 about LM 2.64) and LEVEE DEGRADE AND RECONSTRUCTION WITH CUT OFF WALL from Sta 1817+00 (MA0007 about LM 2.69) to Sta 2289+00, Sta 2287+00 to Sta 2290+00 (MA0007 about LM 11.60). (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch inside diameter gravity drainage pipe of an unknown material through the levee, 4.5 feet below the crown. 18-inch drainage layer at the pipe inlet at the landside (LS) toe. Existing ground regraded to provide a smooth transition to inlet structure on the landside (LS) end. Access control grate inside the inlet structure. Gate riser structure with positive shutoff valve on the waterside (WS) shoulder. Flap gate and outfall structure with riprap on the waterside (WS) end. Existing ground regraded to provide a smooth transition at the outlet. (Existing 24-inch gravity drainage pipe crossing removed [refer to DSID 16925] and replaced portion within construction limit with a new 24-inch gravity drainage pipe crossing during the Feather River West Levee Improvements, Project D). [Additional Reference(s): Sutter Butte Flood Control Agency (SBFCA) Feather River West Levee Project, Volume 4 of 6 (Project D) Feather River West Levee Improvement Plans Sta 1765+00 to 2368+26, Volume 4-SBFCA_Record_Drawings_Project D_2017.05.16.pdf, Drawing No. C-509]. FS Date: 5/7/2019 12:44:00 PM</p>					

Photo 1 of 3 : UCIP_FA_2019_55068_77116.jpg



Overview of WS at crossing.

<p>* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

LM Start	1.94	Rating **	M	Issue No.	76 (cont)
LM End	1.94	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.337442°	39.337442°
				-121.633500°	-121.633500°
DWR ID	25499				
Comment Code					
Inspector Comment					
<p>DS_ID:25499 FS_ID:55068 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/07/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been issued by the CVFPB for this pipe. Second paddle marker located along the LS slope is down. No other issues were observed during inspection. (O. Magana - DWR UCIP)08/09/2017 Crossing field verified, photos added to record, and coordinates updated. No permit has been issued however, markers show owner as WAL (or Waller Family Revocable Trust c/o Sandra A. Waller. Will need to update permit information when the CVFPB issues permit for this crossing. (DWR UCIP - O. Magana)08/08/2017 Crossing was installed under the Feather River West Levee Improvements, Project D. Project Improvements begin at Station (Sta) 1765+00 (MA0007 about LM 1.73) to Sta 2303+50 (ST0005 about LM 1.23), refer to record drawings for the Feather River West Levee Improvement Plans Station 1765+00 to 2368+26, Project D details. MA0007 project details include NO CUTOFF WALL from Sta 1765+00 (MA0007 about LM 1.73) to 1815+00 (MA0007 about LM 2.64) and LEVEE DEGRADE AND RECONSTRUCTION WITH CUT OFF WALL from Sta 1817+00 (MA0007 about LM 2.69) to Sta 2289+00, Sta 2287+00 to Sta 2290+00 (MA0007 about LM 11.60). (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 24-inch inside diameter gravity drainage pipe of an unknown material through the levee, 4.5 feet below the crown. 18-inch drainage layer at the pipe inlet at the landside (LS) toe. Existing ground regraded to provide a smooth transition to inlet structure on the landside (LS) end. Access control grate inside the inlet structure. Gate riser structure with positive shutoff valve on the waterside (WS) shoulder. Flap gate and outfall structure with riprap on the waterside (WS) end. Existing ground regraded to provide a smooth transition at the outlet. (Existing 24-inch gravity drainage pipe crossing removed [refer to DSID 16925] and replaced portion within construction limit with a new 24-inch gravity drainage pipe crossing during the Feather River West Levee Improvements, Project D). [Additional Reference(s): Sutter Butte Flood Control Agency (SBFCA) Feather River West Levee Project, Volume 4 of 6 (Project D) Feather River West Levee Improvement Plans Sta 1765+00 to 2368+26, Volume 4-SBFCA_Record_Drawings_Project D_2017.05.16.pdf, Drawing No. C-509]. FS Date: 5/7/2019 12:44:00 PM</p>					

Photo 3 of 3 : UCIP_FA_2019_55068_77118.jpg



Overview of LS at crossing. Markers along pipe alignment indicating pipe depth of 4-feet (near levee shoulder) and 3-feet near toe.

<p>* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

LM Start	2.24	Rating **	M	Issue No.	78 (cont)
LM End	2.24	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.341208°	39.341208°
				-121.630773°	-121.630773°
DWR ID	25501				
Comment Code					
Inspector Comment					
<p>DS_ID:25501 FS_ID:55070 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/07/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been issued yet by the CVFPB. Second paddle marker is down on the LS slope. (O. Magana - DWR UCIP)08/09/2017 Crossing was field verified and photographed. Photos added. No permit shown but pipe marker shows owner as WAL (Waller family Revocable Trust c/o Sandra A Waller). Permit will be updated when CVFPB issues one. (DWR Sutter-AFreitag)08/08/2017 Crossing was installed under the Feather River West Levee Improvements, Project D. Project Improvements begin at Station (Sta) 1765+00 (MA0007 about LM 1.73) to Sta 2303+50 (ST0005 about LM 1.23), refer to record drawings for the Feather River West Levee Improvement Plans Station 1765+00 to 2368+26, Project D details. MA0007 project details include NO CUTOFF WALL from Sta 1765+00 (MA0007 about LM 1.73) to 1815+00 (MA0007 about LM 2.64) and LEVEE DEGRADE AND RECONSTRUCTION WITH CUT OFF WALL from Sta 1817+00 (MA0007 about LM 2.69) to Sta 2289+00, Sta 2287+00 to Sta 2290+00 (MA0007 about LM 11.60). (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch inside diameter gravity drainage pipe of an unknown material through the levee, 9.7 feet below the crown. 18-inch drainage layer at the pipe inlet at the landside (LS) toe. Connection manhole with existing 24-inch gravity pipe near the landside (LS) toe. Gate riser structure with positive shutoff valve on the waterside (WS) shoulder. Plug and cap on WS end of pipe. Temporary 4-inch by 4-inch marker post above WS end of pipe. (Existing 24-inch corrugated metal irrigation pipe crossing removed and replaced portion within construction limit with a new 36-inch through pipe crossing within construction limits during the Feather River West Levee Improvements, Project D). [Additional Reference(s): Sutter Butte Flood Control Agency (SBFCA) Feather River West Levee Project, Volume 4 of 6 (Project D) Feather River West Levee Improvement Plans Sta 1765+00 to 2368+26, 2016, Volume 4-SBFCA_Record_Drawings_Project D_2017.05.16.pdf, Drawing No. C-513]. FS Date: 5/7/2019 12:45:00 PM</p>					

Photo 3 of 3 : UCIP_FA_2019_55070_77128.jpg



Overview of levee crown looking downstream

<p>* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

LM Start	2.36	Rating **	M	Issue No.	79
LM End	2.36	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.342859 °	39.342859 °
				-121.629909 °	-121.629909 °
DWR ID	20817				

Comment Code

Inspector Comment

DS_ID:20817
 FS_ID:55857
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 05/07/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been issued for new pipe. Permit 17213 does not account for improvements made in 2016. Paddle marker is down on the LS slope. (O. Magana - DWR UCIP)08/09/2017 Crossing was field verified and photographed. Photos updated. Permit number and ownership added to description. Owners address Sandra A Waller, 585 Cowee Avenue, Gridley, CA 95948. 08/02/2017 Crossing was rehabilitated under the Feather River West Levee Improvements, Project D. Project Improvements begin at Station (Sta) 1765+00 (MA0007 about LM 1.73) to Sta 2303+50 (ST0005 about LM 1.23), refer to record drawings for the Feather River West Levee Improvement Plans Station 1765+00 to 2368+26, Project D details. MA0007 project details include NO CUTOFF WALL from Sta 1765+00 (MA0007 about LM 1.73) to 1815+00 (MA0007 about LM 2.64) and LEVEE DEGRADE AND RECONSTRUCTION WITH CUT OFF WALL from Sta 1817+00 (MA0007 about LM 2.69) to Sta 2289+00, Sta 2287+00 to Sta 2290+00 (MA0007 about LM 11.60). (DWR UCIP - O. Magana)
 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. New gate valve, referenced as STA 1799+44, will be installed as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Air vac is still bent over.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Air vac bent over and both metal posts are laying at toe of levee.5/13/2013 Permit number and owner in detailed report book.5/7/2013 Need to find owner of structure.10/30/2012 Need permit authorizing work.(DWR UCIP - O. Magana)
 FIELD_STRUCT_DESC: 8-inch irrigation siphon pipe of an unknown material, 2.3 feet below the crown. Air release valve on the waterside (WS) shoulder protected by two metal bollards. (Existing 8-inch pressurized pipe crossing protected in place. 2 feet of the pipe on the landside (LS) of the gate valve removed and replaced with 8-inch inside diameter pressurized pipe of an unknown material. Existing air release valve and two metal bollards removed and disposed. Existing valve opening plugged. Two 8-inch C509 standard FL by FL Mueller A-2360 resilient wedge or approved equal gate valves installed, one on the WS shoulder, the other near the LS toe. 1-inch APCO 1437 combination air valve installed on the WS shoulder. 4-foot by 4-foot by 3.5-foot valve utility box installed with a tamper-proof bolted solid cover on the WS shoulder. 2-foot by 3-foot by 2.5-foot valve utility box installed with a

Photo 1 of 3 : UCIP_FA_2019_55857_77133.jpg



Overview of levee crown looking downstream

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

LM Start	2.73	Rating **	M	Issue No.	81 (cont)
LM End	2.73	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.347977°	39.347977°
				-121.630337°	-121.630337°
DWR ID	25503				
Comment Code					
Inspector Comment					
<p>DS_ID:25503 FS_ID:55073 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/07/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been issued for this crossing. Second paddle marker located at LS toe has been bent. No other issues were recorded during inspection. (O. Magana - DWR UCIP)08/09/2017 Crossing was field verified and photographed. Photos added. No known permit for crossing but alignment markers show owner as GSD (City of Gridley c/o Bruce Nash, 685 Kentucky Street, Gridley, CA 95948.) Permit will be updated when CVFPB issues one. (DWR Sutter- AFreitag)08/08/2017 Crossing was installed under the Feather River West Levee Improvements, Project D. Project Improvements begin at Station (Sta) 1765+00 (MA0007 about LM 1.73) to Sta 2303+50 (ST0005 about LM 1.23), refer to record drawings for the Feather River West Levee Improvement Plans Station 1765+00 to 2368+26, Project D details. MA0007 project details include NO CUTOFF WALL from Sta 1765+00 (MA0007 about LM 1.73) to 1815+00 (MA0007 about LM 2.64) and LEVEE DEGRADE AND RECONSTRUCTION WITH CUT OFF WALL from Sta 1817+00 (MA0007 about LM 2.69) to Sta 2289+00, Sta 2287+00 to Sta 2290+00 (MA0007 about LM 11.60). (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch inside diameter gravity drainage pipe of an unknown material through the levee, 24.1 feet below the crown. 18-inch drainage layer at the pipe inlet at the landside (LS) toe. Two connection manholes, one off the landside (LS) toe, the other off the waterside (WS) toe, where the 36-inch gravity drainage pipe connects to the existing 24-inch gravity drainage pipe near the construction limits. Gate riser structure with positive shutoff valve on the waterside (WS) shoulder. (Existing 24-inch corrugated metal gravity drainage pipe crossing removed and replaced portion within construction limit with a new 36-inch gravity drainage pipe crossing during the Feather River West Levee Improvements, Project D). [Additional Reference(s): Sutter Butte Flood Control Agency (SBFCA) Feather River West Levee Project, Volume 4 of 6 (Project D) Feather River West Levee Improvement Plans Sta 1765+00 to 2368+26, 2016, Volume 4-SBFCA_Record_Drawings_Project D_2017.05.16.pdf, Drawing No. C-519]. FS Date: 5/7/2019 12:45:00 PM</p>					

Photo 3 of 3 : UCIP_FA_2019_55073_77189.jpg



Overview of LS

<p>* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

LM Start	3.02	Rating **	M	Issue No.	82 (cont)
LM End	3.02	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.352159°	39.352159°
				-121.631209°	-121.631209°
DWR ID	25504				
Comment Code					
Inspector Comment					
<p>DS_ID:25504 FS_ID:55074 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/07/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been issued by the CVFPB. Second LS marker has been bent. No other issues were identified during inspection. (O. Magana - DWR UCIP)08/08/2017 Crossing was installed under the Feather River West Levee Improvements, Project D. Project Improvements begin at Station (Sta) 1765+00 (MA0007 about LM 1.73) to Sta 2303+50 (ST0005 about LM 1.23), refer to record drawings for the Feather River West Levee Improvement Plans Station 1765+00 to 2368+26, Project D details. MA0007 project details include NO CUTOFF WALL from Sta 1765+00 (MA0007 about LM 1.73) to 1815+00 (MA0007 about LM 2.64) and LEVEE DEGRADE AND RECONSTRUCTION WITH CUT OFF WALL from Sta 1817+00 (MA0007 about LM 2.69) to Sta 2289+00, Sta 2287+00 to Sta 2290+00 (MA0007 about LM 11.60). (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch inside diameter irrigation pipe of an unknown material through the levee, 14.1 feet below the crown. 18-inch drainage layer at the pipe inlet at the landside (LS) toe. Gate riser structure with positive shutoff valve on the waterside (WS) shoulder. Ends of new and existing pipes plugged and capped. Marker post at the WS end of the new pipe. C-900 riser with 8-inch Waterman Type 1 sunshine alfalfa valve, or approved equal, with 6-inch-thick by 12-inch-wide concrete collar near the landside (LS) end of the new pipe. (Existing 24-inch corrugated metal pipe [CMP], 18-inch gravity drainage pipe [indicated in record drawings], and 12-inch steel gravity drainage pipe crossing removed and replaced portion within construction limit with a new 36-inch irrigation pipe crossing during the Feather River West Levee Improvements, Project D). [Additional Reference(s): Sutter Butte Flood Control Agency (SBFCA) Feather River West Levee Project, Volume 4 of 6 (Project D) Feather River West Levee Improvement Plans Sta 1765+00 to 2368+26, 2016, Volume 4-SBFCA_Record_Drawings_Project D_2017.05.16.pdf, Drawing No. C-521]. FS Date: 5/7/2019 12:46:00 PM</p>					

Photo 3 of 3 : UCIP_FA_2019_55074_77180.jpg



Overview of LS looking downstream at crossing.

<p>* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

LM Start	4.39	Rating **	M	Issue No.	39
LM End	5.35	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.366547°	39.380071°
				-121.647523°	-121.650558°
DWR ID	DWR_MA0007_01_s_2012_39				
Comment Code					
DT : Ditch					
Inspector Comment					
A landside irrigation ditch is located at the levee toe.					

Photo 1 of 1 : FA_2019_MA0007_200_39_20191112_00028.jpg



View looking upstream landside at an irrigation ditch at the levee toe, Fall 2019.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

LM Start	5.33	Rating **	M	Issue No.	84 (cont)
LM End	5.33	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.379838 °	39.379838 °
				-121.650611 °	-121.650611 °
DWR ID	25511				
Comment Code					
Inspector Comment					
<p>DS_ID:25511 FS_ID:55077 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/07/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been issued by the CVFPB. No other issues were recorded during inspection. (O. Magana - DWR UCIP)08/09/2017 Crossing field verified, photos added to record, and coordinates updated. No permit has been issued will need to update permit information when the CVFPB issues permit for this crossing. (DWR UCIP - O. Magana)08/08/2017 Crossing was installed under the Feather River West Levee Improvements, Project D. Project Improvements begin at Station (Sta) 1765+00 (MA0007 about LM 1.73) to Sta 2303+50 (ST0005 about LM 1.23), refer to record drawings for the Feather River West Levee Improvement Plans Station 1765+00 to 2368+26, Project D details. MA0007 project details include NO CUTOFF WALL from Sta 1765+00 (MA0007 about LM 1.73) to 1815+00 (MA0007 about LM 2.64) and LEVEE DEGRADE AND RECONSTRUCTION WITH CUT OFF WALL from Sta 1817+00 (MA0007 about LM 2.69) to Sta 2289+00, Sta 2287+00 to Sta 2290+00 (MA0007 about LM 11.60). (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch inside diameter gravity irrigation pipe of an unknown material through the levee, 10 feet below the crown. 18-inch drainage layer at the pipe inlet at the landside (LS) toe. Inlet structure with riprap and sheet pile on the landside (LS) end at the Sutter-Butte Main Canal. Gate riser structure with positive shutoff valve on the waterside (WS) shoulder. Connected to existing 24-inch gravity irrigation pipe at the WS toe, 107 feet from the center of the crown, within 5 feet of the construction limit. Marker post at the same location on the WS toe. There may also be a marker post on the WS or LS shoulder. (Existing 24-inch corrugated metal gravity irrigation pipe crossing removed and replaced within construction limits with a new 36-inch gravity irrigation pipe crossing during the Feather River West Levee Improvements, Project D). [Additional Reference(s): Sutter Butte Flood Control Agency (SBFCA) Feather River West Levee Project, Volume 4 of 6 (Project D) Feather River West Levee Improvement Plans Sta 1765+00 to 2368+26, 2016, Volume 4-SBFCA_Record_Drawings_Project D_2017.05.16.pdf, Drawing No. C-529]. FS Date: 5/7/2019 12:46:00 PM</p>					

Photo 2 of 3 : UCIP_FA_2019_55077_77166.jpg



Overview of levee crown looking downstream at crossing.

<p>* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

LM Start	5.38	Rating **	M	Issue No.	85 (cont)
LM End	5.38	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.380377°	39.380377°
				-121.649344°	-121.649344°
DWR ID	25512				
Comment Code					
Inspector Comment					
<p>DS_ID:25512 FS_ID:55078 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/07/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been issued by the CVFPB. No other issues were recorded during inspection. (O. Magana - DWR UCIP)08/09/2017 Crossing was field verified and photographed. Photos added. Current levee is incorrect and needs to be CLM 5.417. GPS coordinates were updated. No permit on record but it will be added when the CVFPB issues one. (DWR Sutter-AFreitag)08/08/2017 Crossing was installed under the Feather River West Levee Improvements, Project D. Project Improvements begin at Station (Sta) 1765+00 (MA0007 about LM 1.73) to Sta 2303+50 (ST0005 about LM 1.23), refer to record drawings for the Feather River West Levee Improvement Plans Station 1765+00 to 2368+26, Project D details. MA0007 project details include NO CUTOFF WALL from Sta 1765+00 (MA0007 about LM 1.73) to 1815+00 (MA0007 about LM 2.64) and LEVEE DEGRADE AND RECONSTRUCTION WITH CUT OFF WALL from Sta 1817+00 (MA0007 about LM 2.69) to Sta 2289+00, Sta 2287+00 to Sta 2290+00 (MA0007 about LM 11.60). (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch inside diameter gravity drainage pipe of an unknown material, 18.9 feet below the crown. 18-inch drainage layer at the pipe inlet at the landside (LS) toe. Inlet structure on the landside (LS) end. Gate riser structure with positive shutoff valve on the waterside (WS) shoulder. Flap gate, outfall structure, and riprap at outlet on the waterside (WS) end. Drainage channel regraded as required to provide a smooth transition at the inlet and the outlet. (Two existing 60-inch corrugated metal gravity drainage pipe crossings removed and replaced portion within construction limit with a new 36-inch gravity drainage pipe crossing during the Feather River West Levee Improvements, Project D). [Additional Reference(s): Sutter Butte Flood Control Agency (SBFCA) Feather River West Levee Project, Volume 4 of 6 (Project D) Feather River West Levee Improvement Plans Sta 1765+00 to 2368+26, 2016, Volume 4-SBFCA_Record_Drawings_Project D_2017.05.16.pdf, Drawing No. C-531]. FS Date: 5/7/2019 12:39:00 PM</p>					

Photo 2 of 3 : UCIP_FA_2019_55078_77219.jpg



Overview of WS

<p>* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

LM Start	5.38	Rating **	M	Issue No.	85 (cont)
LM End	5.38	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.380377°	39.380377°
				-121.649344°	-121.649344°
DWR ID	25512				
Comment Code					
Inspector Comment					
<p>DS_ID:25512 FS_ID:55078 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/07/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been issued by the CVFPB. No other issues were recorded during inspection. (O. Magana - DWR UCIP)08/09/2017 Crossing was field verified and photographed. Photos added. Current levee is incorrect and needs to be CLM 5.417. GPS coordinates were updated. No permit on record but it will be added when the CVFPB issues one. (DWR Sutter-AFreitag)08/08/2017 Crossing was installed under the Feather River West Levee Improvements, Project D. Project Improvements begin at Station (Sta) 1765+00 (MA0007 about LM 1.73) to Sta 2303+50 (ST0005 about LM 1.23), refer to record drawings for the Feather River West Levee Improvement Plans Station 1765+00 to 2368+26, Project D details. MA0007 project details include NO CUTOFF WALL from Sta 1765+00 (MA0007 about LM 1.73) to 1815+00 (MA0007 about LM 2.64) and LEVEE DEGRADE AND RECONSTRUCTION WITH CUT OFF WALL from Sta 1817+00 (MA0007 about LM 2.69) to Sta 2289+00, Sta 2287+00 to Sta 2290+00 (MA0007 about LM 11.60). (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch inside diameter gravity drainage pipe of an unknown material, 18.9 feet below the crown. 18-inch drainage layer at the pipe inlet at the landside (LS) toe. Inlet structure on the landside (LS) end. Gate riser structure with positive shutoff valve on the waterside (WS) shoulder. Flap gate, outfall structure, and riprap at outlet on the waterside (WS) end. Drainage channel regraded as required to provide a smooth transition at the inlet and the outlet. (Two existing 60-inch corrugated metal gravity drainage pipe crossings removed and replaced portion within construction limit with a new 36-inch gravity drainage pipe crossing during the Feather River West Levee Improvements, Project D). [Additional Reference(s): Sutter Butte Flood Control Agency (SBFCA) Feather River West Levee Project, Volume 4 of 6 (Project D) Feather River West Levee Improvement Plans Sta 1765+00 to 2368+26, 2016, Volume 4-SBFCA_Record_Drawings_Project D_2017.05.16.pdf, Drawing No. C-531]. FS Date: 5/7/2019 12:39:00 PM</p>					

Photo 3 of 3 : UCIP_FA_2019_55078_77220.jpg



Overview of LS

<p>* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable</p>	<p>N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

LM Start	6.25	Rating **	M	Issue No.	86
LM End	6.25	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.383420 °	39.383420 °
				-121.635950 °	-121.635950 °
DWR ID	25513				

Comment Code

Inspector Comment

DS_ID:25513
 FS_ID:55859
 EP_NO: 4591
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 05/07/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been issued by the CVFPB. Recommend auditing Permit No. 4591 to determine if modifications made under the levee improvement project are assumed under current permit or if new permit will be issued. No other issues were recorded during inspection. (O. Magana - DWR UCIP)08/09/2017 Crossing was visited and field verified. Coordinates updated to show pipes new location (39.38342, -121.63595). CLM will need to be updated also. Photos added. (DWR Sutter- AFreitag)08/08/2017 Crossing was installed under the Feather River West Levee Improvements, Project D. Project Improvements begin at Station (Sta) 1765+00 (MA0007 about LM 1.73) to Sta 2303+50 (ST0005 about LM 1.23), refer to record drawings for the Feather River West Levee Improvement Plans Station 1765+00 to 2368+26, Project D details. MA0007 project details include NO CUTOFF WALL from Sta 1765+00 (MA0007 about LM 1.73) to 1815+00 (MA0007 about LM 2.64) and LEVEE DEGRADE AND RECONSTRUCTION WITH CUT OFF WALL from Sta 1817+00 (MA0007 about LM 2.69) to Sta 2289+00, Sta 2287+00 to Sta 2290+00 (MA0007 about LM 11.60). (DWR UCIP - O. Magana)
 FIELD_STRUCT_DESC: 7-inch inside diameter pressurized pipe of an unknown material or purpose, 3.2 feet below the crown. 8-inch C509 standard FL by FL gate valve, Mueller A-2360 resilient wedge or an approved equal, one on the waterside (WS) shoulder and the other off the landside (LS) toe. Combination siphon breaker and air relief valve, 1-inch APCO or an approved equal, on the WS shoulder. 5-foot by 5-foot by 4-foot valve utility box with a tamper proof bolted solid cover on the WS shoulder. 2-foot by 3-foot by 4-foot valve utility box with a tamper proof bolted solid cover off the LS toe. Ends of new pipe and existing pipe plugged and capped. Marker post off the WS toe. Levee reconstructed with levee embankment fill, Soil Type 2, to meet minimum pipe cover requirements. (Existing 7-inch steel pressurized pipe crossing removed and replaced portion within construction limit with a new 7-inch pressurized pipe crossing during the Feather River West Levee Improvements, Project D, pipe remains under Permit No. 4591, 1965 [pipe upgraded 2015] - Jack Mariani SR TR ETAL; 7-inch pipe upgraded under the SBFCA levee improvement project of approximately 11.4 miles, work authorized under Permit No. 18793-3, 2014 - Sutter Butte Flood Control Agency). [Additional Reference(s): Sutter Butte Flood Control Agency (SBFCA) Feather River West Levee Project, Volume 4 of 6 (Project D) Feather River West Levee Improvement Plans Sta 1765+00 to 2368+26, 2016, Volume 4-

Photo 1 of 3 : UCIP_FA_2019_55859_77246.jpg



Overview of WS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

LM Start	7.70	Rating **	M	Issue No.	88
LM End	7.70	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.398336°	39.398336°
				-121.630529°	-121.630529°
DWR ID	16960				

Comment Code

Inspector Comment

DS_ID:16960
 FS_ID:55082
 EP_NO: 17895
 Repair Type: Non-Urgent
 Crossing Status: Not Found
 UCIP Comments: 05/07/2019 Record has been updated from No Action Needed to Non-Urgent, no pipe was found during inspection. Photos taken to show that there is no evidence of 5-inch line. Need to coordinate with CVFPB to find out if pipe permit was withdrawn. (O. Magana - DWR UCIP)08/09/2017 Field confirmed no signs of crossing at this location, levee section removed and rebuilt with slurry wall. No photos were taken at this location. Recommend taking photos of current condition at this site and append to this record. (DWR UCIP - O. Magana)08/08/2017 Pre-construction drawings, for construction drawings, show this crossing removed and replaced, however record drawings (post-construction) do not reference this crossing. Need to follow up with consultants responsible for record drawings to determine status of this crossing -- conflicting information between pre- and post-construction drawings. Project Improvements begin at Station (Sta) 1765+00 (MA0007 about LM 1.73) to Sta 2303+50 (ST0005 about LM 1.23), refer to record drawings for the Feather River West Levee Improvement Plans Station 1765+00 to 2368+26, Project D details. MA0007 project details include NO CUTOFF WALL from Sta 1765+00 (MA0007 about LM 1.73) to 1815+00 (MA0007 about LM 2.64) and LEVEE DEGRADE AND RECONSTRUCTION WITH CUT OFF WALL from Sta 1817+00 (MA0007 about LM 2.69) to Sta 2289+00, Sta 2287+00 to Sta 2290+00 (MA0007 about LM 11.60). (DWR UCIP - O. Magana)
 05/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2084+03, will be removed and replaced as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.06/10/2015 Minor erosion still present near air vent.12/30/2014 Same as last inspection.05/19/2014 Same as last inspection.11/07/2013 Same as last inspection.11/05/2012 localized erosion at air vent located on WS shoulder; this crossing appears to have leaking at the air vent--will need to determine reason for erosion at air vent (vehicles going over vent?); also recommend installing utility marker. (DWR UCIP - O. Magana)
 FIELD_STRUCT_DESC: *UNCLEAR status* 5-inch steel irrigation pipe through the levee, at an unknown depth. Pipe connects to an existing pipe within the overflow area of the Feather River. (Permit No. 17895, 2005 - John Kucek - Existing 5-inch aluminum irrigation pipe crossing removed and disposed portion within construction limit during the Feather River West Levee Improvements, Project D). [Additional Reference(s): Sutter Butte Flood Control Agency (SBFCA) Feather

Photo 1 of 3 : UCIP_FA_2019_55082_65923.jpg



View of LS and levee crown looking upstream towards crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

LM Start	8.23	Rating **	M	Issue No.	89
LM End	8.23	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.404565 °	39.404565 °
				-121.632864 °	-121.632864 °
DWR ID	25527				
Comment Code					
Inspector Comment					
DS_ID:25527 FS_ID:55089 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/07/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been issued by the CVFPB authorizing pipe. No other issues were recorded during inspection. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 2-inch pressurized pipe of an unknown material or purpose through the levee, 3 feet below the crown. [AdditionalReference(s): Sutter Butte Flood Control Agency (SBFCA) Feather River West Levee Project, Volume 4 of 6 (Project D) Feather River West Levee Improvement Plans Sta 1765+00 to 2368+26, 2016, Volume 4-SBFCA_Record_Drawings_Project D_2017.05.16.pdf, Drawing No. C-137 and C-543]. FS Date: 5/7/2019					

Photo 1 of 3 : UCIP_FA_2019_55089_80707.jpg



LS view: overview of LS.

LM Start	8.23	Rating **	M	Issue No.	89 (cont)
LM End	8.23	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_55089_80708.jpg



Overview of levee crown looking u/s towards pipe crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

LM Start	8.23	Rating **	M	Issue No.	89 (cont)	
LM End	8.23	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.404565 °	39.404565 °	
				-121.632864 °	-121.632864 °	
DWR ID	25527					
Comment Code						
Inspector Comment						
DS_ID:25527 FS_ID:55089 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/07/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been issued by the CVFPB authorizing pipe. No other issues were recorded during inspection. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 2-inch pressurized pipe of an unknown material or purpose through the levee, 3 feet below the crown. [AdditionalReference(s): Sutter Butte Flood Control Agency (SBFCA) Feather River West Levee Project, Volume 4 of 6 (Project D) Feather River West Levee Improvement Plans Sta 1765+00 to 2368+26, 2016, Volume 4-SBFCA_Record_Drawings_Project D_2017.05.16.pdf, Drawing No. C-137 and C-543]. FS Date: 5/7/2019						

Photo 3 of 3 : UCIP_FA_2019_55089_80709.jpg



WS view: overview of WS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

LM Start	8.61	Rating **	M	Issue No.	90
LM End	8.61	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		39.406614 °	39.406614 °	
			-121.637384 °	-121.637384 °	
DWR ID	25528				
Comment Code					
Inspector Comment					
DS_ID:25528 FS_ID:55084 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/07/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been issued by the CVFPB authorizing pipe. No other issues were recorded during inspection. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 2-inch steel irrigation pipe through the levee, 3 feet below the levee crown. Concrete vault located at the waterside (WS) shoulder. (2-inch irrigation line installed under the Feather River Levee Improvement Project; Existing 2-inch irrigation pipe crossing removed and disposed portion within construction limit during the Feather River West Levee Improvements, Project D authorized under Permit No. 18793-3, 2014 - Sutter Butte Flood Control Agency). [Additional Reference(s): Sutter Butte Flood Control Agency (SBFCA) Feather River West Levee Project, Volume 4 of 6 (Project D) Feather River West Levee Improvement Plans Sta 1765+00 to 2368+26, 2016, Volume 4-SBFCA_Record_Drawings_Project_D_2017.05.16.pdf, Drawing No. C-545]. FS Date: 5/7/2019					

Photo 1 of 3 : UCIP_FA_2019_55084_80715.jpg



Overview of levee crown looking u/s towards pipe crossing.

LM Start	8.61	Rating **	M	Issue No.	90 (cont)
LM End	8.61	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_55084_80716.jpg



LS view: paddle marker along pipe alignment.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

LM Start	8.61	Rating **	M	Issue No.	90 (cont)
LM End	8.61	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.406614 °	39.406614 °
				-121.637384 °	-121.637384 °
DWR ID	25528				
Comment Code					
Inspector Comment					
DS_ID:25528 FS_ID:55084 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/07/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been issued by the CVFPB authorizing pipe. No other issues were recorded during inspection. (O. Magana - DWR UCIP) FIELD_STRUCT_DESC: 2-inch steel irrigation pipe through the levee, 3 feet below the levee crown. Concrete vault located at the waterside (WS) shoulder. (2-inch irrigation line installed under the Feather River Levee Improvement Project; Existing 2-inch irrigation pipe crossing removed and disposed portion within construction limit during the Feather River West Levee Improvements, Project D authorized under Permit No. 18793-3, 2014 - Sutter Butte Flood Control Agency). [Additional Reference(s): Sutter Butte Flood Control Agency (SBFCA) Feather River West Levee Project, Volume 4 of 6 (Project D) Feather River West Levee Improvement Plans Sta 1765+00 to 2368+26, 2016, Volume 4-SBFCA_Record_Drawings_Project_D_2017.05.16.pdf, Drawing No. C-545]. FS Date: 5/7/2019					

Photo 3 of 3 : UCIP_FA_2019_55084_80717.jpg



Overview of levee crown looking d/s towards pipe crossing.

LM Start	9.65	Rating **	U	Issue No.	45
LM End	9.65	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.416384 °	39.416384 °
				-121.634503 °	-121.634503 °
DWR ID	DWR_MA0007_01_s_2012_45				
Comment Code					
BU : Building					
Inspector Comment					
A trailer is still located at the landside levee toe, no permit found.					

Photo 1 of 1 : FA_2019_MA0007_200_45_20190904_00004.jpg



Building at the landside toe, no permit identified.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

LM Start	11.12	Rating **	M	Issue No.	92
LM End	11.12	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.432143°	39.432143°
				-121.645516°	-121.645516°
DWR ID	25516				

Comment Code

Inspector Comment

DS_ID:25516
 FS_ID:55086
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 05/07/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been issued by the CVFPB authorizing pipe. Paddle marker located on LS shoulder has been bent. No other issues were recorded during inspection. (O. Magana - DWR UCIP)08/08/2017 Crossing was installed under the Feather River West Levee Improvements, Project D. Project Improvements begin at Station (Sta) 1765+00 (MA0007 about LM 1.73) to Sta 2303+50 (ST0005 about LM 1.23), refer to record drawings for the Feather River West Levee Improvement Plans Station 1765+00 to 2368+26, Project D details. MA0007 project details include NO CUTOFF WALL from Sta 1765+00 (MA0007 about LM 1.73) to 1815+00 (MA0007 about LM 2.64) and LEVEE DEGRADE AND RECONSTRUCTION WITH CUT OFF WALL from Sta 1817+00 (MA0007 about LM 2.69) to Sta 2289+00, Sta 2287+00 to Sta 2290+00 (MA0007 about LM 11.60). (DWR UCIP - O. Magana)
 FIELD_STRUCT_DESC: 36-inch inside diameter gravity drainage pipe of an unknown material through the levee, 17 feet below the crown. 18-inch drainage layer at the pipe inlet at the landside (LS) toe. Existing ground regraded off the LS toe to provide a smooth transition to the pipe inlet. Gate riser structure with positive shutoff valve on the waterside (WS) shoulder. 36-inch flap gate, outfall structure, and riprap R90 at the pipe outlet at the WS toe. Existing ground regraded off the WS toe to provide a smooth transition to the pipe outlet. (Existing 24-inch corrugated metal gravity drainage pipe crossing removed and replaced portion within construction limit with a new 36-inch gravity drainage pipe crossing during the Feather River West Levee Improvements, Project D). [Additional Reference(s): Sutter Butte Flood Control Agency (SBFCA) Feather River West Levee Project, Volume 4 of 6 (Project D) Feather River West Levee Improvement Plans Sta 1765+00 to 2368+26, 2016, Volume 4-SBFCA_Record_Drawings_Project D_2017.05.16.pdf, Drawing No. C-553].
 FS Date: 5/7/2019 12:48:00 PM

Photo 1 of 3 : UCIP_FA_2019_55086_77233.jpg



Overview of levee crown looking upstream toward crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

LM Start	11.12	Rating **	M	Issue No.	92 (cont)
LM End	11.12	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.432143°	39.432143°
				-121.645516°	-121.645516°
DWR ID	25516				

Comment Code

Inspector Comment

DS_ID:25516
 FS_ID:55086
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 05/07/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been issued by the CVFPB authorizing pipe. Paddle marker located on LS shoulder has been bent. No other issues were recorded during inspection. (O. Magana - DWR UCIP)08/08/2017 Crossing was installed under the Feather River West Levee Improvements, Project D. Project Improvements begin at Station (Sta) 1765+00 (MA0007 about LM 1.73) to Sta 2303+50 (ST0005 about LM 1.23), refer to record drawings for the Feather River West Levee Improvement Plans Station 1765+00 to 2368+26, Project D details. MA0007 project details include NO CUTOFF WALL from Sta 1765+00 (MA0007 about LM 1.73) to 1815+00 (MA0007 about LM 2.64) and LEVEE DEGRADE AND RECONSTRUCTION WITH CUT OFF WALL from Sta 1817+00 (MA0007 about LM 2.69) to Sta 2289+00, Sta 2287+00 to Sta 2290+00 (MA0007 about LM 11.60). (DWR UCIP - O. Magana)
 FIELD_STRUCT_DESC: 36-inch inside diameter gravity drainage pipe of an unknown material through the levee, 17 feet below the crown. 18-inch drainage layer at the pipe inlet at the landside (LS) toe. Existing ground regraded off the LS toe to provide a smooth transition to the pipe inlet. Gate riser structure with positive shutoff valve on the waterside (WS) shoulder. 36-inch flap gate, outfall structure, and riprap R90 at the pipe outlet at the WS toe. Existing ground regraded off the WS toe to provide a smooth transition to the pipe outlet. (Existing 24-inch corrugated metal gravity drainage pipe crossing removed and replaced portion within construction limit with a new 36-inch gravity drainage pipe crossing during the Feather River West Levee Improvements, Project D). [Additional Reference(s): Sutter Butte Flood Control Agency (SBFCA) Feather River West Levee Project, Volume 4 of 6 (Project D) Feather River West Levee Improvement Plans Sta 1765+00 to 2368+26, 2016, Volume 4-SBFCA_Record_Drawings_Project D_2017.05.16.pdf, Drawing No. C-553].
 FS Date: 5/7/2019 12:48:00 PM

Photo 2 of 3 : UCIP_FA_2019_55086_77243.jpg



Overview of WS slope at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

LM Start	11.12	Rating **	M	Issue No.	92 (cont)
LM End	11.12	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.432143°	39.432143°
				-121.645516°	-121.645516°
DWR ID	25516				
Comment Code					
Inspector Comment					
<p>DS_ID:25516 FS_ID:55086 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/07/2019 Record has been updated from No Action Needed to Non-Urgent, no permit has been issued by the CVFPB authorizing pipe. Paddle marker located on LS shoulder has been bent. No other issues were recorded during inspection. (O. Magana - DWR UCIP)08/08/2017 Crossing was installed under the Feather River West Levee Improvements, Project D. Project Improvements begin at Station (Sta) 1765+00 (MA0007 about LM 1.73) to Sta 2303+50 (ST0005 about LM 1.23), refer to record drawings for the Feather River West Levee Improvement Plans Station 1765+00 to 2368+26, Project D details. MA0007 project details include NO CUTOFF WALL from Sta 1765+00 (MA0007 about LM 1.73) to 1815+00 (MA0007 about LM 2.64) and LEVEE DEGRADE AND RECONSTRUCTION WITH CUT OFF WALL from Sta 1817+00 (MA0007 about LM 2.69) to Sta 2289+00, Sta 2287+00 to Sta 2290+00 (MA0007 about LM 11.60). (DWR UCIP - O. Magana) FIELD_STRUCT_DESC: 36-inch inside diameter gravity drainage pipe of an unknown material through the levee, 17 feet below the crown. 18-inch drainage layer at the pipe inlet at the landside (LS) toe. Existing ground regraded off the LS toe to provide a smooth transition to the pipe inlet. Gate riser structure with positive shutoff valve on the waterside (WS) shoulder. 36-inch flap gate, outfall structure, and riprap R90 at the pipe outlet at the WS toe. Existing ground regraded off the WS toe to provide a smooth transition to the pipe outlet. (Existing 24-inch corrugated metal gravity drainage pipe crossing removed and replaced portion within construction limit with a new 36-inch gravity drainage pipe crossing during the Feather River West Levee Improvements, Project D). [Additional Reference(s): Sutter Butte Flood Control Agency (SBFCA) Feather River West Levee Project, Volume 4 of 6 (Project D) Feather River West Levee Improvement Plans Sta 1765+00 to 2368+26, 2016, Volume 4-SBFCA_Record_Drawings_Project D_2017.05.16.pdf, Drawing No. C-553]. FS Date: 5/7/2019 12:48:00 PM</p>					

Photo 3 of 3 : UCIP_FA_2019_55086_77234.jpg



Overview of levee crown looking downstream at crossing.

<p>* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown</p>	<p>** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain</p>	<p>+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement</p>
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	11/04/2019 11/04/2019	Sterling York

LM Start	11.49	Rating **	M	Issue No.	40
LM End	11.49	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.437454 °	39.437454 °
				-121.646024 °	-121.646024 °
DWR ID	DWR_MA0007_01_s_2016_40				
Comment Code					
BU : Building					
Inspector Comment					
No permit was found for this structure.					

Photo 1 of 1 : FA_2019_MA0007_200_40_20190904_00003.jpg



View showing structure on the waterside looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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