

RECLAMATION DISTRICT NO. 828
WEBER TRACT
BOARD OF TRUSTEES MEETING
FRIDAY, MAY 13, 2016
8:30 AM
ENGINEER'S REPORT

I. AB 360 DELTA LEVEE SUBVENTIONS PROGRAM

- a. Review status of 1st phase of the Vegetation Control Project to control waterside levee slope vegetation along levee along Shimizu Dr. for a 4,100 foot section extending between I-5 to the west and Buena Vista to the east. This Vegetation Control Project was conducted in accordance with the District's 1996 Routine Maintenance Agreement with the Department of Fish & Wildlife (Game) which allows for controlling vegetation on the waterside levee slope. This control included cutting and trimming vegetative growth such as weeds, brush, berry vines, and trees to the extent necessary to inspect and maintain the levee and its inspectability. It is expected the vegetation control project within this section will be completed in two phases. The 1st phase included the trimming of trees utilizing a labor crew and wood chipper type machinery.

Recommend the 2nd phase to start in the later part of July which will include the removal of weeds, brush and berry vines by use of mower attachment to the end of an excavator boom with a selected contractor providing Shimizu Dr. traffic and pedestrian control. This 2nd phase will be approximately \$25,000. In addition KSN suggest supplementing this phase with \$10,000 worth of herbicide spraying to eradicate the noxious weeds from the levees. This project will improve the inspectability of the District's levee

- b. Report on 6 responses from landowners regarding inspection letters that were mailed to 29 property owners. Notice to landowners was limited to areas east of Buena Vista to Pershing Avenue.

EXHIBIT A: Public Outreach Inspection email Summary of landowner responses from KSN Inc.

II. SJAFCA SMITH CANAL GATE STRUCTURE PROJECT

- a. Update on Smith Canal gate closure project.

III. DWR EMERGENCY RESPONSE GRANT AWARDED TO SAN JOAQUIN COUNTY

- a. Seek approval of RD 828's Flood Contingency Map and Emergency Operation Plan submitted to SJ County.

A

FILE MEMORANDUM

February 11, 2016

To: Chris Neudeck, PE
Subject: Follow-Up Inspection
Project: Weber Tract Public Outreach
From: Aaron Lickingteller

In December 2015, letters were sent to the residents of Weber Tract (Reclamation District 828) on West Walnut Street in Stockton, California requesting information regarding individual's concerns regarding the condition of the levee on their properties. These requests included self-addressed stamped envelopes to KSN. A total of twenty-nine (29) letters were sent out inquiring about several items and a total of six (6) replies were returned. Items of concern to the district and to KSN, the district engineers included:

- Evidence of rodent activity; and
- Evidence of any perceived physical damage to the levee proper.

In February 2016, I contacted the individuals who mailed the replies back to KSN and requested a formal inspection of their property at their leisure. After individual inspection dates were confirmed, I met the residents of each address for a collaborative walk-through of the levee on each of their properties. Each residence contained numerous encroachments on the levee that included decks, boat docks, retaining walls, fences, and miscellaneous decorative objects. When asked about additional concerns not stated on their reply letter to KSN, over half responded with the desire to have additional slope protection rock placed on the levee as the high tides bring the water elevation up to a foot above the existing rock elevations.

Photos of each inspection were taken and are included in their respective Daily Field Reports that were written for each property visit. Any additional concerns brought to my attention by the residents of West Walnut Street were also recorded in the Daily Field Reports. Additional photos are also provided in the KSN database.

APN	Owner Name	S-Street #	S-Street Name	S-City	S-State	S-Zip	M-Street #	M-Street Name	M-City	M-State	M-Zip	Lat	Long
135-020-41	Todd & Colette Moyse	1775	W Walnut St	Stockton	CA	95203	1775	W Walnut St	Stockton	Ca	95203	37.964425	-121.320047
135-020-42	Alice Mae Bird, Tr	1751	W Walnut St	Stockton	CA	95203	1751	W Walnut St	Stockton	Ca	95203	37.964492	-121.319833
135-020-43	Derrick Hesselein	1741	W Walnut St	Stockton	CA	95203	1741	W Walnut St	Stockton	CA	95203	37.964526	-121.31964
135-020-44	Donni & Tara Melendez	1733	W Walnut St	Stockton	CA	95203	1733	W Walnut St	Stockton	CA	95203	37.964585	-121.319447
135-020-45	Michael R & Audrey Donaldson, Tr	1725	W Walnut St	Stockton	CA	95203	1725	W Walnut St	Stockton	CA	95203	37.964653	-121.319232
135-020-46	Richard D & Dianne M Langone, Tr	1711	W Walnut St	Stockton	CA	95203	1711	W Walnut St	Stockton	CA	95203	37.964695	-121.319039
135-020-47	John Jay & Lynne W Farrar	1703	W Walnut St	Stockton	CA	95203	1703	W Walnut St	Stockton	CA	95203	37.964729	-121.318835
135-020-48	William C & Lynne E Gowdy	1661	W Walnut St	Stockton	CA	95203	1661	W Walnut St	Stockton	CA	95203	37.964788	-121.31762
135-020-49	Beverly Nancy Garcia	1651	W Walnut St	Stockton	CA	95203	1651	W Walnut St	Stockton	CA	95203	37.964844	-121.318556
135-020-50	Russell & Veniz Richenberg	1641	W Walnut St	Stockton	CA	95203	1641	W Walnut St	Stockton	CA	95203	37.964895	-121.318223
135-020-51	Mary Ellen Sanchez, Tr	1633	W Walnut St	Stockton	CA	95203	1633	W Walnut St	Stockton	CA	95203	37.964945	-121.31802
135-020-52	Edward J Lee	1625	W Walnut St	Stockton	CA	95203	2417	W Rose st	Stockton	Ca	95203	37.964996	-121.317837
135-020-35	Florence T Shima, Tr Etal	1611	W Walnut St	Stockton	CA	95203	3400	Wagner Hts Rd #209	Stockton	Ca	95209	37.965055	-121.317644
135-020-54	Brandon V Marino	1607	W Walnut St	Stockton	CA	95203	1607	W Walnut St	Stockton	CA	95203	37.965106	-121.31743
135-020-55	Gary Frisch	1571	W Walnut St	Stockton	CA	95203	1571	W Walnut St	Stockton	CA	95203	37.965165	-121.317226
135-020-56	Kent A & Lisa A Shubert, Tr	1561	W Walnut St	Stockton	CA	95203	1561	W Walnut St	Stockton	CA	95203	37.965207	-121.317022
135-020-57	Patricia F Chavez, Tr	1555	W Walnut St	Stockton	CA	95203	1555	W Walnut St	Stockton	CA	95203	37.96525	-121.316829
135-020-58	Daniel S & Linda L Moore	1545	W Walnut St	Stockton	CA	95203	1545	W Walnut St	Stockton	CA	95203	37.965309	-121.316636
135-020-59	Richard A Hingley, Tr	1535	W Walnut St	Stockton	CA	95203	1535	W Walnut St	Stockton	CA	95203	37.965368	-121.316561
135-020-60	Bennie W & May C Lim, Tr	1521	W Walnut St	Stockton	CA	95203	1521	W Walnut St	Stockton	CA	95203	37.965427	-121.316228
135-020-61	Neal H & Lynn L Fearn, Tr	1515	W Walnut St	Stockton	CA	95203	4719	Quail Lakes Dr #G225	Stockton	Ca	95207	37.96547	-121.316024
135-020-62	Cleveland S & Doris Edwards, Tr	1505	W Walnut St	Stockton	CA	95203	1505	W Walnut St	Stockton	CA	95203	37.96552	-121.31596
153-171-01	Paul R & Cynthia M Marsh	1461	W Walnut St	Stockton	CA	95203	1461	W Walnut St	Stockton	CA	95203	37.96563	-121.315455
153-171-02	Dallas Branden, Tr	1459	W Walnut St	Stockton	CA	95203	1880	Century Part East #914	Los Angeles	CA	90067	37.965664	-121.315273
135-171-03	Larry J & Beverly R Johnson, Tr	1457	W Walnut St	Stockton	CA	95203	6806	Foote Rd	Ceres	Ca	95307	37.965723	-121.315091
135-171-04	Don Nicora	1441	W Walnut St	Stockton	CA	95203	445	W Weber st #127	Stockton	Ca	95203	37.965783	-121.314855
135-171-05	Berniece L Silva, Tr Etal	1431	W Walnut St	Stockton	CA	95203	1431	W Walnut St	Stockton	CA	95203	37.965833	-121.314629
135-171-06	Christian and Mayflor Vanderstaay	1403	W Walnut St	Stockton	CA	95203	1403	W Walnut St	Stockton	CA	95203	37.965901	-121.314361
135-171-07	Wayne Osborn	1701	N Pershing Ave	Stockton	CA	95203	1701	N Pershing Ave	Stockton	CA	95203	37.965952	-121.314114

Yellow denotes the residents who responded to the mailed questionnaire.

KJELDSSEN, SINNOCK & NEUDECK, INC.
CIVIL ENGINEERS AND LAND SURVEYORS

STEPHEN K. SINNOCK
CHRISTOPHER H. NEUDECK
NEAL T. COLWELL
BARRY O'REGAN

711 NORTH PERSHING AVENUE
STOCKTON, CALIFORNIA 95203

TELEPHONE (209) 946-0268
FAX (209) 946-0296
E-MAIL ksn@ksninc.com

Field Report

District Engineer:	Chris Neudeck
Project Manager:	Dave Carr
Inspector:	Aaron J. Lickingteller
Location:	1545 West Walnut Street Stockton, CA 95203

Date:	02-01-2016	Job No.:	1204-08
Project:	Weber Tract Public Outreach Follow-Up		
Contractor:	N/A		
Owner:	Weber Tract RD-828		
Weather:	Clear and windy	Temp:	High of 59 °F
Personnel On Site:	N/A		

The following was noted:

Contractor Work Hours: N/A to N/A

- I arrived at said address at 3:00 pm and met Daniel Moore at the door. He led me through his house into the backyard and onto the levee in his backyard for inspection. His only concerns were that during high tides, the water in the canal reaches a level higher up on the levee embankment than the current level of existing rip rap (approximately a foot or less higher than the current rip rap elevation). There appeared to be one varmint hole approximately one foot above the rip rap and next to the gangway for his dock. Daniel also mentioned that, in the summer, the waterside levee embankment cracks approximately halfway up the waterside levee slope. No cracks were evident on the day of the visit, probably due to rain saturation of the levee embankment soil causing swell to fill them in temporarily, according to Daniel.



The waterside levee embankment on the Moore's property. Daniel stated that the high tide reaches the foot of the wooden gangway upslope from the rip rap.



The vegetated portion of the levee embankment shown in the photo, and to the right of the trees in the foreground, cracks due to lack of moisture. Recent rains have left no evidence of cracking.

Prepared By:	Aaron Lickingteller
Additional Copies To:	DCC, BOR, JAM

KJELDSSEN, SINNOCK & NEUDECK, INC.
CIVIL ENGINEERS AND LAND SURVEYORS

STEPHEN K. SINNOCK
CHRISTOPHER H. NEUDECK
NEAL T. COLWELL
BARRY O'REGAN

711 NORTH PERSHING AVENUE
STOCKTON, CALIFORNIA 95203

TELEPHONE (209) 946-0268
FAX (209) 946-0296
E-MAIL ksn@ksninc.com

Field Report

District Engineer:	Chris Neudeck
Project Manager:	Dave Carr
Inspector:	Aaron J. Lickingteller
Location:	1607 West Walnut Street Stockton, CA 95203

Date:	02-03-2016	Job No.:	1204-08
Project:	Weber Tract Public Outreach		
Contractor:	N/A		
Owner:	RD-828		
Weather:	Overcast	Temp:	High of 56 °F
Personnel On Site:	N/A		

The following was noted:

Contractor Work Hours: N/A to N/A

- I arrived at said address at the prescheduled time of 9:00 am and Brandon Marino escorted me to the levee in the backyard of his property for an inspection. The tide was at its 'high' low for the day. I did not see erosion producing any vertical slope, as stated in Mr. Marino's letter of concern. According to Mr. Marino, the high tides produce water surface elevations higher than that of the rip rap currently existing on the bank of his waterside property. He did state that he has seen 'beaver like critters' wandering around on his bank from time to time but I did not see any evidence of burrows at this time.



Water hyacinth near the levee embankment of the Marino property.

Prepared By: Aaron Lickingteller
Additional Copies To: DCC, CHN

KJELDSSEN, SINNOCK & NEUDECK, INC.

CIVIL ENGINEERS AND LAND SURVEYORS

STEPHEN K. SINNOCK
CHRISTOPHER H. NEUDECK
NEAL T. COLWELL
BARRY O'REGAN

711 NORTH PERSHING AVENUE
STOCKTON, CALIFORNIA 95203

TELEPHONE (209) 946-0268
FAX (209) 946-0296
E-MAIL ksn@ksninc.com

Field Report

District Engineer:	Chris Neudeck
Project Manager:	Dave Carr
Inspector:	Aaron J. Lickingteller
Location:	1641 W. Walnut St. Stockton, CA 95203

Date:	01/28/2016	Job No.:	1204-08
Project:	RD 828-Weber Tract Public Outreach		
Contractor:	N/A		
Owner:	Russell and Veniz Richenberg		
Weather:	Cloudy & overcast	Temp:	High of 55°F
Personnel On Site:	N/A		

The Following was noted:

Contractor Work Hours: 1445 to 1530

- I visited the residence of Russell and Veniz Richenberg at 1641 West Walnut Street in Stockton, CA 95203 to follow-up on a questionnaire inquiring about potential levee damage on the property. I met Russell in the driveway upon my arrival and his wife, Veniz, accompanied me on an inspection of the waterside levee on her property. Upon reaching the levee crown, I observed a caved-in deck that had apparently sunk in the middle due to erosion beneath. Veniz and I walked across the sunken deck, and down the gangway onto the dock below to gain a better view of the levee beneath the deck. I looked into the gap between the rock-facing above the rip rap that held the wooden deck up in this location and it appeared the rip rap had sunk due to erosion of the underlying soil. After the inspection, I talked with both of the property owners and they informed me that the rip rap had moved from erosion following the winter of 1997-1998, when higher than normal rainfall occurred throughout the area causing flood levels reaching nearly to the levee crown.



The rock facing atop the rip rap on the waterside levee of the Richenberg residence. Peering through the hole showed nothing but rip rap that appeared to have settled due to erosion of the underlying soil. Note the sagging of the wooden deck as a consequence of the eroded rock-facing.



A closer view of the eroded rock-facing. The photo was taken shortly after the low tide of the day.

Prepared By: Aaron Lickingteller

Additional Copies To: DCC, CHN

KJELDSSEN, SINNOCK & NEUDECK, INC.

CIVIL ENGINEERS AND LAND SURVEYORS

STEPHEN K. SINNOCK
CHRISTOPHER H. NEUDECK
NEAL T. COLWELL
BARRY O'REGAN

711 NORTH PERSHING AVENUE
STOCKTON, CALIFORNIA 95203

TELEPHONE (209) 946-0268
FAX (209) 946-0296
E-MAIL ksn@ksninc.com

Field Report

District Engineer:	Chris Neudeck
Project Manager:	Dave Carr
Inspector:	Aaron J. Lickingteller
Location:	1725 West Walnut Street Stockton, CA 95203

Date:	1-29-2016	Job No.:	1204-08
Project:	Weber Tract Public Outreach Follow Up		
Contractor:	N/S		
Owner:	RD 828-Weber Tract		
Weather:	Overcast & Cloudy	Temp:	High of 56 °F
Personnel On Site:	N/A		

The following was noted:

Contractor Work Hours: N/A to N/A

- I visited The Donaldson residence at the address mentioned above to perform a follow-up on a returned questionnaire sent out by KSN asking the landowners to identify any deficiencies in the levees on their property. I met Michael Donaldson in his driveway and he accompanied me to the areas in his back yard where varmint holes existed near the crown of the levee on his property. Only one hole existed in the northeastern quadrant of his property near the tree in that location. He stated that the varmint hole has been a returning problem over the years since he has lived in the area (since 1978) after he fills the hole in with dirt. According the Michael, he has attempted to remedy this problem at least three times over the years. The hole appears to have been dug by local squirrels.



The single varmint hole near the levee crown in the backyard of the Donaldson residence. The notebook is to show scale.

Prepared By:	Aaron Lickingteller
Additional Copies To:	DCC, BOR, JAM

KJELDSSEN, SINNOCK & NEUDECK, INC.
CIVIL ENGINEERS AND LAND SURVEYORS

STEPHEN K. SINNOCK
CHRISTOPHER H. NEUDECK
NEAL T. COLWELL
BARRY O'REGAN

711 NORTH PERSHING AVENUE
STOCKTON, CALIFORNIA 95203

TELEPHONE (209) 946-0268
FAX (209) 946-0296
E-MAIL ksn@ksninc.com

Field Report

District Engineer:	Barry O'Regan
Project Manager:	Jeff Mueller
Inspector:	Aaron J. Lickingteller
Location:	1741 West Walnut Street Stockton, CA 95203

Date:	01-29-2016	Job No.:	1204-08
Project:	Weber Tract Public Outreach Follow-Up		
Contractor:	N/A		
Owner:	RD 828-Weber Tract		
Weather:	Clear and sunny	Temp:	High of 56 °F
Personnel On Site:	N/A		

The following was noted:

Contractor Work Hours: 0700 to 1730

- I met the resident, Randall Schantin, at his driveway at 11:55 am and he accompanied me to the levee located in his backyard for an inspection of the reported deficiencies that he documented on his returned questionnaire. A look at the existing waterside slope of the levee on his property, revealed less than a half dozen spots in the 6-inch minus riprap placed along the water's edge where vegetation had grown through. Mr. Schantin spoke of adding more rock to insure deck and dock safety and I informed him that I was merely a representative of the Levee District and mainly concerned about issues regarding the levee, not the encroachments upon the levee. Higher up the slope, approximately four feet from the crown, an old retaining wall comprised of sheet metal existed. The sheet metal had been pushed northward and rotated until it was touching the ground due to moisturized expansive soils pressing against it or human activity bending it. The tide was not going out but not at its lowest at this time, so inspection below the waterline could not occur except for about 18-inches.



The waterside view of the levee. Conversations with Mr. Schantin revealed that the tides get as far up the bank as the small pump station shown in the middle of the photo.



The levee crown appeared to be at the same elevation as the neighbors on both sides of the property in question. However, inspection revealed this 'retaining wall' about 3-feet from the crown along the entire property width.

Prepared By:	Aaron Lickingteller
Additional Copies To:	DCC, BOR, JAM

KJELDSSEN, SINNOCK & NEUDECK, INC.
CIVIL ENGINEERS AND LAND SURVEYORS

STEPHEN K. SINNOCK
CHRISTOPHER H. NEUDECK
NEAL T. COLWELL
BARRY O'REGAN

711 NORTH PERSHING AVENUE
STOCKTON, CALIFORNIA 95203


TELEPHONE (209) 946-0268
FAX (209) 946-0296
E-MAIL ksn@ksninc.com

Field Report

District Engineer:	Chris Neudeck
Project Manager:	Dave Carr
Inspector:	Aaron J. Lickingteller
Location:	1751 West Walnut Street Stockton, CA 95203

Date:	02-02-2016	Job No.:	1204-08
Project:	Weber Tract Public Outreach Follow-Up		
Contractor:	N/A		
Owner:	Weber Tract -RD 828		
Weather:	Partly Cloudy & sunny	Temp:	High of 59 °F
Personnel On Site:	N/A		

The following was noted:

Contractor Work Hours:	N/A to N/A
<ul style="list-style-type: none"> I arrived at the Bird residence at 4:00 pm and Bart Bird accompanied me to the levee in his backyard for an inspection of the levee on his property. Upon inspecting the levee on his property, Bart stated that he frequently sees cracking during the hot summers when he mows the grass on his levee. During my inspection, I saw no cracking, but this was probably due to the recent rains that moisture-conditioned the soil, causing it to expand and fill the cracks back in. No dock or gangway existed in the water on Mr. Bird's property and access to the levee did not provide optimal viewing due to large quantities of brush along his waterside bank. He also said that high tides in the canal result in water elevations higher than the current rip rap elevation. 	
	
<p>Areas of the waterside levee embankment where cracking was said to occur in the summer months.</p>	
Prepared By:	Aaron Lickingteller
Additional Copies To:	DCC, BOR, JAM