

September 13, 2019  
Sacramento, California

The Board of Trustees of the American River Flood Control District met in regular session in its office at 185 Commerce Circle, Sacramento, CA at 11:00 a.m. on Friday, September 13, 2019. In attendance were Trustee Holloway, Trustee Johns, Trustee Vander Werf and Trustee L'Ecluse. Trustee Shah was absent. Trustee Holloway presided. Also present from the District were General Manager (GM) Tim Kerr, Superintendent Ross Kawamura, Legal Counsel David Aladjem and Office Manager Malane Chapman. Two members of the public was present.

*Item No. 1 Public Comments on Non-Agenda Items:* Brandon Rose introduced himself and asked the Board to support his nomination for LAFCo.

*Item No. 2 Approval of Consent Agenda Items:* On a motion by Trustee Vander Werf seconded by Trustee L'Ecluse, the Board unanimously approved items 2a) Minutes of Regular Meeting on August 16, 2019, 2b) Approval of Report of Investment Transactions July 2019 (City Pool, LAIF, River City) and Treasurer's Certification, 2c) District Financial Reports: Statement of Operations (August 2019) and Cash Flow Report, 2d) Correspondence: None.

*Item No. 3 Accounts Payable and General Fund Expenses (August 2019):* Trustee Johns requested clarification on payment to Bobcat Central. Trustee Vander Werf requested clarification on payment to Kent Arborist Services and Nordic Industries, Inc. Following explanation by staff and on a motion by Trustee Johns seconded by Trustee Vander Werf, the Board unanimously approved payments on the Schedule of Accounts Payable (August 2019) of \$76,606.82 and General Fund Expenses of \$159,819.18 (total aggregate sum \$236,426.00).

*Item No. 4 Two Rivers Trail Environmental Impact Report (EIR) and Public Records Act Request; a) Comment Letter on EIR, b) Public Records Act Request – Osha Meserve and c) Draft District Response to Osha Meserve*

*Item No. 4a:* Trustee Johns recused himself from the discussion of the Comment Letter on EIR (11:25 a.m. to 11:30 a.m.). Following explanation by staff and Legal Counsel Aladjem, Trustee Vander Werf moved the letter with the additional language and additional two photos seconded by Trustee L'Ecluse, the Board unanimously approved item 4a) Comment Letter on EIR. This item was heard out of order.

*Items No. 4b and 4c:* Trustee Vander Werf motioned that the Policy Committee meet to discuss current safety protocols seconded by Trustee Johns. Motion passed unanimously. These items were heard out of order.

*Item No. 5 Confirmation of SAFCA Alternates:* Following explanation by staff and on a motion by Trustee Johns seconded by Trustee Vander Werf, the Board unanimously pass

the motion to assign the SAFCA representative and alternates as such: Seat 1 Trustee Shah with Alternate Trustee Johns and Seat 2 Trustee Holloway with Alternate Trustee Vander Werf.

*Item No. 6 Endorsement of CA Central Valley Flood Board Permit; Applicant: Dr. Lawrence Bass; Description: Repair bank protection site along American River located at 1622 McClaren Drive and request that permit 4902 issued to Jamee Eddy on April 5, 1965 be transferred to Dr. Lawrence Bass:*

*Item No. 7 Endorsement of CA Central Valley Flood Board Permit; Applicant: Marcy Friedman; Description: Repair bank protection site along American River located at 1620 McClaren Drive and request that permit 4902 issued to Jack Steiner on August 5, 1963 be transferred to Marcy Friedman:*

*Items 6 & 7 these items were heard together. GM Kerr explained how homeowners are looking to repair a portion of the bank protection site along the American River. GM Kerr recommended that the Board endorse the permits. On a motion by Trustee Johns seconded by Trustee L'Ecluse, the Board did not pass this motion. Trustee L'Ecluse motioned to endorse the permit as is with a letter that clearly states if any material changes occur, the application needs to be re-submitted to the Board for additional endorsement seconded by Trustee Vander Werf, the Board passed this motion. Trustee Johns amended the motion to ask the applicant to attend the next Board meeting to discuss further seconded by Trustee Vander Werf, the Board unanimously approved the motion.*

*The Board took a five-minute recess between 12:10 p.m. and 12:15 p.m.*

*Item No 8. Flood Maintenance Assistance Program (FMAP) Grant: a) Resolution Delegating Authority to sign Funding Agreement and b) Operations, Maintenance, Repair, Replacement & Rehabilitation (OMRR&R) Agreement. Following explanation by GM Kerr and Legal Counsel Aladjem, Trustee Johns moved staff recommendation to approve the Resolution and delegate authority to the President or General Manger to sign the Funding Agreement and the OMRR&R Agreement seconded by Trustee L'Ecluse, the Board approved the motion.*

*Item No 9. SAFCA OMRR&R Agreement for North Sacramento Streams Project: a) May 2018 Board Action-Approval and b) 2019 State Revisions: Following explanation by GM Kerr and Legal Counsel Aladjem Trustee Johns moved staff recommendation to sign the OMRR&R Agreement and if necessary include a transmittal letter indicating the Local Maintaining Agency (LMA) understanding of OMRR&R seconded by Trustee L'Ecluse, the Board approved the motion.*

*Item No. 10 Administrative Staff Reports:*

*a) General Manager Tim Kerr reported on the following:*

- General Manager's August Meeting Summary: Assembly Bill 137 Conference Call, CalPERS Prefunding OPEB Workshop and ARFCD Newsletter meeting were discussed;
- *Steelhead Creek Cleanup*;
- *Magpie Creek Diversion Channel*;
- *Ground Penetrating Radar Contract*;
- Hydrologic Conditions: Folsom Lake 74% of capacity with an outflow 2,716 cfs. The gauge at the I Street Bridge shows a water surface elevation of 9 feet above sea level;
- Next Board Meeting and District Tour is scheduled for October 11, 2019.

b) *Legal Counsel David Aladjem discussed SAFCA OMRR&R.*

c) *Office Manager Malane Chapman had nothing further to report.*

*Item No. 11 Operations and Maintenance Staff Reports:*

a) *Superintendent Ross Kawamura reported on:*

- Crew activities including camp cleanup, garbage cleanup, vegetation management, slope repair, erosion control, fence repair and mowing.

*Item No. 12 Questions and Comments by Trustees:* Trustee Vander Werf mentioned that she will be attending the Tahoe Park Spooktacular.

*Item No. 13 Adjourn:* There being no further business requiring action by the Board, the meeting was adjourned by Trustee Holloway at 1:00 p.m.

Attest:

\_\_\_\_\_  
Secretary

\_\_\_\_\_  
President

**American River Flood Control District  
Staff Report**

**Investment Transactions Summary; August 2019**

**LAIF:**

- There were no transactions in this account during the month of August.

**City Pool A**

- On June 30, 2019 a total of \$194,936.17 was transferred from Interest Receivable to the Cash Balance.
- Accrued Interest Receivable for the month of July was \$18,761.40.
- Accrued Interest Receivable for the month of August was \$18,452.76.
- As of August 31, 2019, the balance of Interest Receivable in this account was \$37,214.16

Interest Receivable is accrued and transferred to the Cash Balance at the discretion of the City.

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**River City Bank Money Market:**

- On August 31, 2019 a monthly interest payment was deposited in the amount of \$1,877.13.

**River City Bank Checking:**

- On August 2, 2019 a deposit was received from Sacramento County Tax Collectors in the amount of \$38,024.99.
- On August 13, 2018 a miscellaneous deposit was made in the amount of \$16,569.19
- Total amount of Accounts Payable cleared during the month of August was \$175,577.58.
- On August 31, 2019 a monthly interest payment was deposited in the amount of \$15.76.



**American River Flood Control District  
Investment Transaction Report  
August 2019**

Item 2b

**Balance and Transactions**

Account		LAIF	City Pool A	River City Bank Money Market	River City Bank Checking
Beginning Balance	8/1/19	\$455,769.42	\$8,433,300.92	\$1,025,074.92	\$203,176.71
<b>Transactions</b>					
City Pool A Interest to Cash Balance	6/30/19		194,936.17		
Sacramento County Tax Collector	8/2/19				38,024.99
Department of Water Resources	8/13/19				16,569.19
City Pool A Interest	8/31/19		18,452.76		
River City Bank Interest	8/31/19			1,877.13	15.76
Accounts Payable (cleared)					(175,577.58)
<b>Ending Balance:</b>	<b>8/31/19</b>	<b>\$455,769.42</b>	<b>\$8,628,237.09</b>	<b>\$1,026,952.05</b>	<b>\$82,209.07</b>

\*\*City Pool A Interest is accrued and deposited in the account at the discretion of the City.

**Interest**

Date:	Sep 2018	Oct 2018	Nov 2018	Dec 2018
LAIF	2.06	2.14	2.21	2.29
City Pool A	2.89	2.27	2.33	2.41
River City Bank Money Market	1.73	1.79	1.87	1.95
River City Bank Checking	0.06	0.08	0.09	0.06
Date:	Jan 2019	Feb 2019	Mar 2019	Apr 2019
LAIF	2.36	2.39	2.44	2.45
City Pool A	2.45	2.63	2.5	2.58
River City Bank Money Market	2.01	2.10	2.14	2.19
River City Bank Checking	0.09	0.10	0.10	0.10
Date:	May 2019	June 2019	Jul 2019	<b>Aug 2019</b>
LAIF	2.45	2.43	2.38	2.34
City Pool A	2.56	2.56	2.56	2.51
River City Bank Money Market	2.22	2.23	2.20	2.18
River City Bank Checking	0.10	0.10	0.10	0.10

**American River  
Flood Control  
District**

## AMERICAN RIVER FLOOD CONTROL DISTRICT

### MONTHLY REVIEW – JULY 2019

#### STRATEGY

The ARFCD funds are invested in the City of Sacramento’s Pool A investment fund. The Fund is invested pursuant to the objectives and requirements set forth in the City’s investment policy. The three objectives of the investment policy, in order of priority, are (1) the preservation of capital by the investment in safe instruments, (2) the liquidity needs of the City and pool participants so such parties will have access to cash when they need it, and (3) the maximizing of current income while remaining consistent with the other more important objectives. The City’s investment policy incorporates applicable provisions of state law including, among other things, the prudent person standard and California Code Section 53601 pertaining to eligible investments.

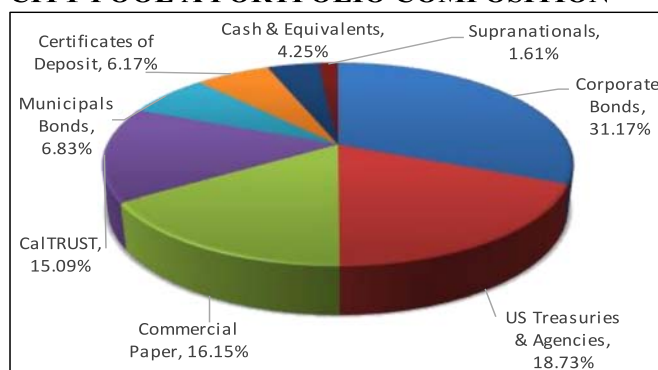
#### PORTFOLIO STATISTICS

Beginning Balance	8,628,237
Contributions	-
Withdrawals	-
Interest Earned	18,761
Ending Balance	8,646,998

#### PERFORMANCE COMPARISON

City Pool A	2.56%
LAIF	2.38%
90 Day T-Bill	2.04%
Federal Funds	2.39%

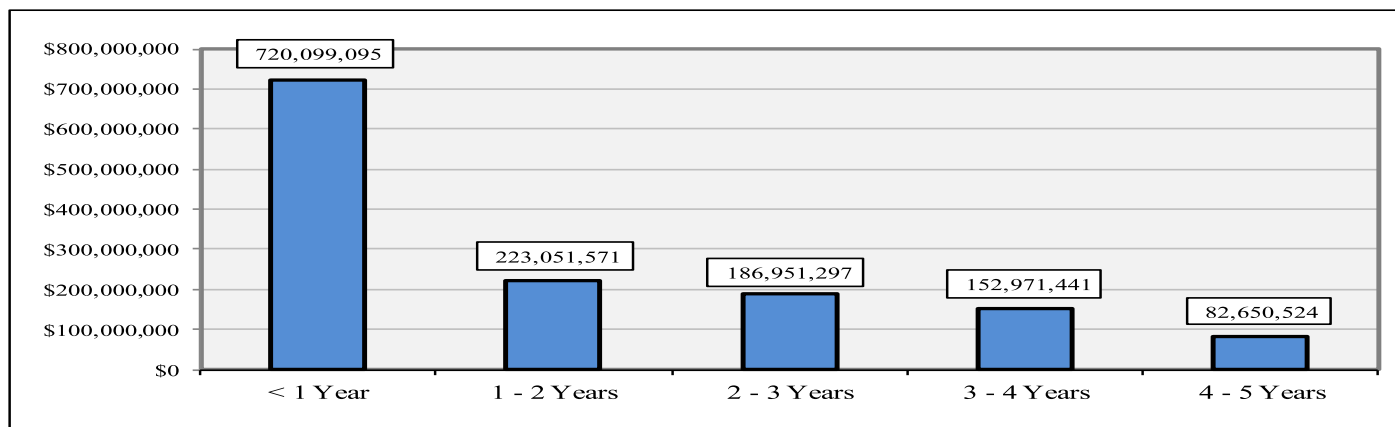
#### CITY POOL A PORTFOLIO COMPOSITION



Asset Type	Pct. Assets	YTM
Corporate Bonds	31.17%	2.59%
US Treasuries & Agencies	18.73%	2.23%
Commercial Paper	16.15%	2.70%
CalTRUST	15.09%	2.37%
Municipals Bonds	6.83%	2.26%
Certificates of Deposit	6.17%	2.62%
Cash & Equivalents	4.25%	2.19%
Supranationals	1.61%	2.04%

#### CITY POOL A MATURITY SCHEDULE

Maturity	Market Value	Pct. Holdings
< 1 Year	720,099,095	52.73%
1 - 2 Years	223,051,571	16.33%
2 - 3 Years	186,951,297	13.69%
3 - 4 Years	152,971,441	11.20%
4 - 5 Years	82,650,524	6.05%
Total	1,365,723,928	100.00%



City of Sacramento  
 CASH LEDGER  
*American River Flood Control District*  
 From 07-01-19 To 07-31-19

**All Cash Accounts**

Trade Date	Settle Date	Tran Code	Quantity	Security	Amount	Cash Balance
<b>Pool A Interest Receivable</b>						
07-01-19				Beginning Balance		0.00
07-31-19	07-31-19	in		Pool A Cash	18,761.40	18,761.40
				Jul 2019 estimated Pool A interest	18,761.40	
07-31-19				Ending Balance		18,761.40
<b>Pool A Cash</b>						
07-01-19				Beginning Balance		8,628,237.09
07-31-19				Ending Balance		8,628,237.09

**American River  
Flood Control  
District**

## AMERICAN RIVER FLOOD CONTROL DISTRICT

### MONTHLY REVIEW – AUGUST 2019

#### STRATEGY

The ARFCD funds are invested in the City of Sacramento’s Pool A investment fund. The Fund is invested pursuant to the objectives and requirements set forth in the City’s investment policy. The three objectives of the investment policy, in order of priority, are (1) the preservation of capital by the investment in safe instruments, (2) the liquidity needs of the City and pool participants so such parties will have access to cash when they need it, and (3) the maximizing of current income while remaining consistent with the other more important objectives. The City’s investment policy incorporates applicable provisions of state law including, among other things, the prudent person standard and California Code Section 53601 pertaining to eligible investments.

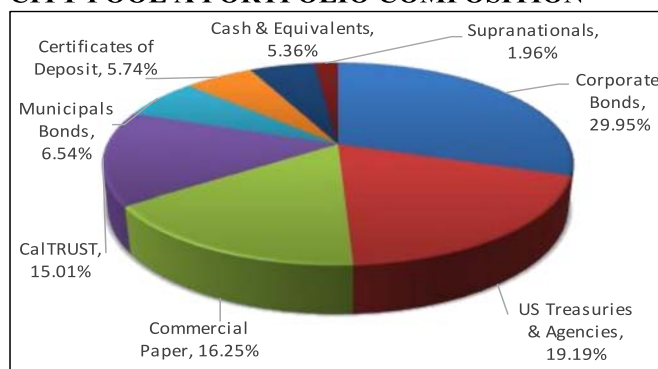
#### PORTFOLIO STATISTICS

Beginning Balance	8,646,998
Contributions	-
Withdrawals	-
Interest Earned	18,453
Ending Balance	8,665,451

#### PERFORMANCE COMPARISON

City Pool A	2.51%
LAIF	2.34%
90 Day T-Bill	1.90%
Federal Funds	2.12%

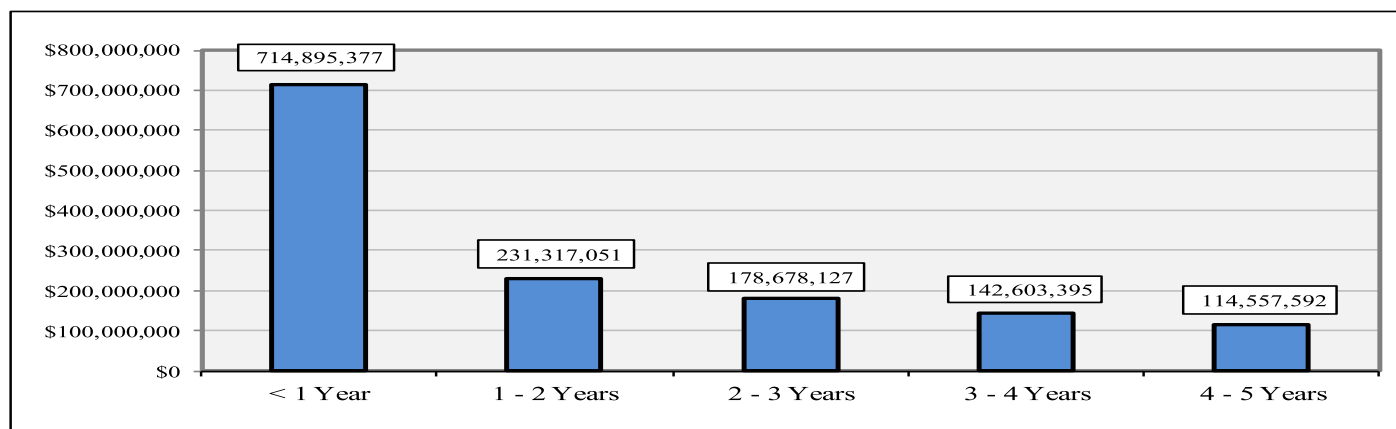
#### CITY POOL A PORTFOLIO COMPOSITION



Asset Type	Pct. Assets	YTM
Corporate Bonds	29.95%	2.61%
US Treasuries & Agencies	19.19%	2.16%
Commercial Paper	16.25%	2.57%
CalTRUST	15.01%	2.20%
Municipals Bonds	6.54%	2.28%
Certificates of Deposit	5.74%	2.61%
Cash & Equivalents	5.36%	2.17%
Supranationals	1.96%	2.07%

#### CITY POOL A MATURITY SCHEDULE

Maturity	Market Value	Pct. Holdings
< 1 Year	714,895,377	51.72%
1 - 2 Years	231,317,051	16.74%
2 - 3 Years	178,678,127	12.93%
3 - 4 Years	142,603,395	10.32%
4 - 5 Years	114,557,592	8.29%
Total	1,382,051,542	100.00%



City of Sacramento  
 CASH LEDGER  
*American River Flood Control District*  
 From 08-01-19 To 08-31-19

**All Cash Accounts**

Trade Date	Settle Date	Tran Code	Quantity	Security	Amount	Cash Balance
<b>Pool A Interest Receivable</b>						
08-01-19				Beginning Balance		18,761.40
08-31-19	08-31-19	in		Pool A Cash	18,452.76	37,214.16
				Aug 2019 estimated Pool A interest		
					18,452.76	
08-31-19				Ending Balance		37,214.16
<b>Pool A Cash</b>						
08-01-19				Beginning Balance		8,628,237.09
08-31-19				Ending Balance		8,628,237.09

# California State Treasurer *Fiona Ma, CPA*



Local Agency Investment Fund  
P.O. Box 942809  
Sacramento, CA 94209-0001  
(916) 653-3001

September 03, 2019

[LAIF Home](#)  
[PMIA Average Monthly Yields](#)

## AMERICAN RIVER FLOOD CONTROL DISTRICT

DISTRICT ENGINEER/MANAGER  
165 COMMERCE CIRCLE, SUITE D  
SACRAMENTO, CA 95815

[Tran Type Definitions](#)

**Account Number:** 90-34-002

August 2019 Statement

### Account Summary

Total Deposit:	0.00	Beginning Balance:	455,769.42
Total Withdrawal:	0.00	Ending Balance:	455,769.42





# River City Bank

WWW.RIVERCITYBANK.COM  
PO Box 15247, Sacramento, CA 95851-0247  
Return Service Requested

Item 2b



Last statement: July 31, 2019  
This statement: August 31, 2019  
Total days in statement period: 31

AMERICAN RIVER FLOOD CONTROL DISTRICT  
C/O ROBERT MERRITT, CPA  
4000 MAGNOLIA HILLS DR  
EL DORADO HILLS CA 95762-6561

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Direct inquiries to:  
916-567-2836

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**WE'RE UPDATING OUR DEPOSIT ACCOUNT AGREEMENT AND FEE SCHEDULES. ON OCTOBER 1, 2019, THESE AGREEMENTS WILL BE REVISED TO PROVIDE CLARIFICATIONS AND REFLECT THE MOST CURRENT INFORMATION. TO REVIEW A SUMMARY OF THE CHANGES OR REVIEW THE COMPLETE AGREEMENTS, PLEASE VISIT: [RIVERCITYBANK.COM/UPDATES-TO-AGMTS/](http://RIVERCITYBANK.COM/UPDATES-TO-AGMTS/)**

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## Public Fund Money Market

Account number	0811100952	Beginning balance	\$1,025,074.92
Low balance	\$1,025,074.92	Total additions	1,877.13
Average balance	\$1,025,074.92	Total subtractions	0.00
Avg collected balance	\$1,025,074	Ending balance	\$1,026,952.05
Interest paid year to date	\$7,580.61		

### CREDITS

Date	Description	Additions
08-31	Interest Credit	1,877.13

### DAILY BALANCES

Date	Amount	Date	Amount	Date	Amount
07-31	1,025,074.92	08-31	1,026,952.05		

### INTEREST INFORMATION

Annual percentage yield earned	2.18%
Interest-bearing days	31
Average balance for APY	\$1,025,074.92
Interest earned	\$1,877.13

AMERICAN RIVER FLOOD CONTROL DISTRICT  
August 31, 2019

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0811100952

**OVERDRAFT/RETURN ITEM FEES**

	Total for this period	Total year-to-date
Total Overdraft Fees	\$0.00	\$0.00
Total Returned Item Fees	\$0.00	\$0.00



# River City Bank

WWW.RIVERCITYBANK.COM  
PO Box 15247, Sacramento, CA 95851-0247  
Return Service Requested

Item 2b



Last statement: July 31, 2019  
This statement: August 31, 2019  
Total days in statement period: 31

AMERICAN RIVER FLOOD CONTROL DISTRICT  
C/O ROBERT MERRITT, CPA  
4000 MAGNOLIA HILLS DR  
EL DORADO HILLS CA 95762-6561

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## Public Fund Interest Checking

Account number	0811090736	Beginning balance	\$203,176.71
Enclosures	65	Total additions	54,609.94
Low balance	\$82,197.51	Total subtractions	175,577.58
Average balance	\$188,712.18	Ending balance	\$82,209.07
Avg collected balance	\$188,177		

## CHECKS

Number	Date	Amount	Number	Date	Amount
7067	08-02	492.64	7100	08-23	691.54
7074 *	08-01	731.65	7101	08-23	1,185.23
7087 *	08-21	600.00	7102	08-26	2.12
7089 *	08-08	650.00	7103	08-23	833.97
7090	08-07	650.00	7104	08-23	350.00
7091	08-08	650.00	7105	08-23	264.45
7092	08-12	619.65	7106	08-22	7,693.00
7093	08-09	577.63	7107	08-22	60.00
7094	08-12	650.00	7108	08-26	399.06
7095	08-09	650.00	7109	08-26	92.00
7096	08-23	551.61	7110	08-22	314.52
7097	08-22	26,554.06	7111	08-22	1,251.00
7098	08-26	2.00	7112	08-26	57.17
7099	08-26	255.06	7113	08-23	1,871.26

AMERICAN RIVER FLOOD CONTROL DISTRICT  
August 31, 2019

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0811090736

Number	Date	Amount	Number	Date	Amount
7114	08-22	881.89	7134	08-27	345.82
7115	08-22	397.78	7136 *	08-23	1,351.76
7116	08-23	2,200.45	7137	08-26	4,083.00
7117	08-26	314.96	7138	08-22	1,119.26
7118	08-22	5,121.50	7139	08-28	2,109.15
7119	08-27	335.62	7140	08-22	95.63
7120	08-23	165.46	7141	08-21	935.00
7121	08-30	334.95	7142	08-23	804.48
7122	08-22	751.74	7143	08-26	200.00
7123	08-23	8,245.50	7144	08-23	3,129.50
7124	08-26	149.73	7145	08-23	1,360.38
7125	08-22	475.19	7146	08-28	203.66
7127 *	08-26	271.00	7147	08-26	450.98
7129 *	08-26	263.91	7148	08-23	2,668.53
7130	08-22	45.00	7149	08-26	393.23
7131	08-19	197.28	7150	08-27	456.51
7132	08-26	288.72			
7133	08-22	1,387.50			

\* Skip in check sequence

DEBITS

Date	Description	Subtractions
08-02	Incoming Wire Fee 201908020030192 COUNTY OF SACRAMENSACRAMENTO CA 9581 PROPERTY TAX DISTR	15.00
08-06	' ACH Withdrawal CALPERS 1900 100000015754950	48.97
08-06	' ACH Withdrawal CALPERS 3100 100000015740103	1,533.75
08-06	' ACH Withdrawal CALPERS 3100 100000015740102	3,260.15
08-06	' ACH Withdrawal CALPERS 1900 100000015754940	5,483.57
08-07	' ACH Withdrawal HEALTHEQUITY INC HealthEqui 190807	150.00
08-07	' ACH Withdrawal CALPERS 1900 100000015757537	2,906.42
08-15	' ACH Withdrawal INTUIT PAYROLL S QUICKBOOKS 190815 946000047	27,678.39
08-21	' ACH Withdrawal CALPERS 1900 100000015779117	700.00
08-21	' ACH Withdrawal CALPERS 3100 100000015724181	1,421.65
08-21	' ACH Withdrawal CALPERS 3100 100000015724148	3,194.69
08-22	' ACH Withdrawal CALPERS 1900 100000015780527	2,870.47

AMERICAN RIVER FLOOD CONTROL DISTRICT  
August 31, 2019

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0811090736

Date	Description	Subtractions
08-22	' ACH Withdrawal INTUIT PAYROLL S QUICKBOOKS 190822 946000047	428.55
08-26	' ACH Withdrawal HEALTHQUITY INC HealthEqui 190826	152.95
08-28	' ACH Withdrawal CALPERS 1900 100000015784802	2,870.47
08-28	' ACH Withdrawal CALPERS 3100 100000015724196	1,421.65
08-28	' ACH Withdrawal CALPERS 3100 100000015724166	3,194.69
08-29	' ACH Withdrawal CALPERS 1900 100000015778863	250.00
08-30	' ACH Withdrawal INTUIT PAYROLL S QUICKBOOKS 190830 946000047	27,757.32
08-31	' Service Charge ADDITIONAL DEBITS	4.20

#### CREDITS

Date	Description	Additions
08-02	Incoming Wire 201908020030192 COUNTY OF SACRAMENSACRAMENTO CA 9581 PROPERTY TAX DISTR	38,024.99
08-13	Deposit	16,569.19
08-31	' Interest Credit	15.76

#### DAILY BALANCES

Date	Amount	Date	Amount	Date	Amount
07-31	203,176.71	08-12	222,132.27	08-26	121,477.35
08-01	202,445.06	08-13	238,701.46	08-27	120,339.40
08-02	239,962.41	08-15	211,023.07	08-28	110,539.78
08-06	229,635.97	08-19	210,825.79	08-29	110,289.78
08-07	225,929.55	08-21	203,974.45	08-30	82,197.51
08-08	224,629.55	08-22	154,527.36	08-31	82,209.07
08-09	223,401.92	08-23	128,853.24		

#### INTEREST INFORMATION

Annual percentage yield earned	0.10%
Interest-bearing days	31
Average balance for APY	\$188,177.69
Interest earned	\$15.76

AMERICAN RIVER FLOOD CONTROL DISTRICT  
August 31, 2019

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0811090736

**OVERDRAFT/RETURN ITEM FEES**

	Total for this period	Total year-to-date
Total Overdraft Fees	\$0.00	\$0.00
Total Returned Item Fees	\$0.00	\$0.00

**CERTIFICATION**

The American River Flood Control District's investment portfolio [] is [ is not] in compliance with the District's Financial Management Investments Plan.

The District's investment portfolio is not in compliance in the following respects:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

A cash flow analysis confirms that the District [ is] [ is not] expected to be able to meet its expenditure requirements for the next six months.

The District's cash is insufficient to meet obligations for the next six months as a result of the following:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Attached hereto are the most recent statements of accounts of the following District accounts:

- LAIF Account, State Treasurer's Office      **Dated August 2019**
- Investment Pool A Account, City of Sacramento      **Dated August 2019**
- District Checking Account, River City Bank      **Dated August 2019**
- District Repurchase Account, River City Bank      **Dated August 2019**

Certified by: \_\_\_\_\_ Date: \_\_\_\_\_  
Rachelanne Vander Werf, District Treasurer

American River Flood Control District  
Statement of Operations  
July 1, 2019 to September 30, 2019 (Three Month Ending of Fiscal 2020)  
For Internal Use Only

	Year to Date July 1, 2019 to September 30, 2019	Budget	Percent of Budget
<b>Revenues</b>			
Benefit assessment	\$ -	\$ 1,429,793	0.00%
Consolidated capital assessment	-	980,000	0.00%
Interest	41,585	77,267	53.82%
O & M agreements	-	231,801	0.00%
Miscellaneous	-	-	Not budgeted
<b>Total Revenues</b>	<u>41,585</u>	<u>2,718,861</u>	1.53%
<b>M &amp; O Expenses</b>			
Salaries and wages	178,410	790,476	22.57%
Payroll tax expense	13,468	63,238	21.30%
Pension expense	41,339	156,542	26.41%
Compensation insurance	-	39,524	0.00%
Medical/dental/vision	59,132	213,378	27.71%
Fuel/oil reimbursement	5,353	35,000	15.29%
Equipment rental	6,259	20,000	31.30%
Equipment repairs/parts	17,045	45,000	37.88%
Equipment purchases (< \$5,000)	-	15,000	0.00%
Shop supplies	4,734	15,000	31.56%
Levee maint. (supp. & material)	1,293	20,000	6.47%
Levee maint. chemicals	1,360	15,000	9.07%
Levee maint. services	10,288	80,000	12.86%
Rodent abatement (supplies & materials)	-	10,000	0.00%
Employee uniforms	4,782	5,000	95.64%
Staff training	805	7,500	10.73%
Miscellaneous	-	2,000	0.00%
Small tools & equipment	1,482	7,500	19.76%
Emergency preparedness program	15,943	15,000	106.29%
Engineering services	6,794	20,000	33.97%
Environmental services/studies	-	5,000	0.00%
Encroachment remediation	-	15,000	0.00%
Urban camp cleanup	-	50,000	0.00%
<b>Total M &amp; O Expenses</b>	<u>368,487</u>	<u>1,645,158</u>	22.40%
<b>Administration Expenses</b>			
Board of trustees compensation	1,247	7,600	16.41%
Trustee expenses	860	1,750	49.14%
Accounting services	700	20,000	3.50%
Legal services (general)	1,180	50,000	2.36%
Utilities	6,836	40,000	17.09%
Telephone	2,328	25,000	9.31%
Retiree benefits	43,875	135,000	32.50%
Office/shop/yard lease	1,800	6,000	30.00%
Office equipment/furniture	-	7,500	0.00%
Office supplies	-	2,000	0.00%
Auto allowance	1,775	6,600	26.89%
Parking reimbursement	-	500	0.00%
General office expense	2,070	15,000	13.80%
Technology and software	520	10,000	5.20%
Legislative services	-	-	Not budgeted
Dues and associations	13,902	25,000	55.61%
Property and liability insurance	9,741	30,000	32.47%
Conference/workshop/seminar	-	-	Not budgeted
Public relations/information	-	30,000	0.00%
Miscellaneous	967	5,000	19.34%
Election expense	-	-	Not budgeted
Employee morale/wellness	-	2,000	0.00%
Investment fees	-	20,000	0.00%
Community services	-	1,500	0.00%
Bookkeeping services	638	14,000	4.56%
Property taxes	68	3,000	2.27%
Building maintenance	-	10,000	0.00%
County Dtech fees for DLMS	15,109	50,000	30.22%
Interest expense	111	-	Not budgeted
<b>Total Administration Expenses</b>	<u>103,727</u>	<u>517,450</u>	20.05%
<b>Special Projects Expenses</b>			
Engineering studies/survey studies	-	150,000	0.00%
Levee standards compliance	23,000	25,000	92.00%
Encroachment remediation	-	-	Not budgeted
Vegetation management	-	-	Not budgeted
Small capital projects	-	50,000	0.00%
<b>Total Special Project Expenses</b>	<u>23,000</u>	<u>225,000</u>	10.22%
<b>Capital Outlay</b>			
Bank protection	-	-	Not budgeted
Magpie Creek	-	-	Not budgeted
Property acquisition	-	-	Not budgeted
Miscellaneous	-	-	Not budgeted
Equipment purchases (over \$5,000)	46,286	100,000	46.29%
<b>Total Capital Outlay</b>	<u>46,286</u>	<u>100,000</u>	
<b>Capital Outlay: District Headquarters Build-Out</b>			
Building improvements/maintenance	17,175	225,000	7.63%
La Riviera improvements/maintenance	-	2,000	0.00%
	<u>17,175</u>	<u>227,000</u>	

Note: Amounts above are not audited

The above information is current through the last day of the previous month's bank activity.

Data has been verified by the bookkeeper and physical copies of checks have not been reviewed or received and some checks may not have cleared the bank account.



AMERICAN RIVER FLOOD CONTROL DISTRICT  
Cash Flow Report  
July 2019 through June 2020

Cash Flow Report													
Maintenance and Operations Expens	Jul 19	Aug 19	Sept 19	Oct 19	Nov 19	Dec 19	Jan 20	Feb 20	Mar 20	Apr 20	May 20	Jun 20	TOTAL
500 - Salary/Wages	58,116.53	59,270.60	61,453.64	61,066.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	239,907.05
501 - Payroll Taxes	4,470.68	4,558.96	4,726.01	4,242.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17,997.65
502 - Pension	9,373.16	18,128.96	9,467.15	8,822.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45,791.65
503 - Compensation Insurance	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
504 - Medical/Dental/Vision	15,684.32	15,856.32	14,028.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45,568.70
508 - Fuel/Oil	2,188.69	5,121.50	1,669.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8,979.84
509 - Equipment Rental	3,129.50	3,129.50	3,129.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9,388.50
510 - Equipment Purchase(< \$5000	297.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	297.26
511 - Equipment Repair/Parts	5,655.89	8,224.85	9,097.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22,977.96
512 - Shop Supplies	1,231.54	3,512.76	1,161.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5,905.56
514 - Levee Maint(Supplies&Materi	134.09	1,109.89	182.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,426.67
515 - Levee Maintenance Services	4,645.16	1,635.71	5,152.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11,433.65
516 - Employee Uniforms	492.64	4,782.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5,274.87
518 - Staff Training	1,500.00	805.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,305.00
519 - Miscellaneous O&M	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
521 - Small Tools & Equip	0.00	1,185.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,185.23
523 - Levee Maint. (Chemicals)	0.00	1,360.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,360.38
525 - Emergency Preparedness Pr	0.00	0.00	15,942.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15,942.92
530 - Encroachment Remediation I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
532 - Rodent Abatement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
605 - Engineering Services	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
615 - Survey Services	164.97	1,122.65	180.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,467.91
616 - Environmental Services/Studi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total M&amp;O Expense</b>	<b>107,084.43</b>	<b>129,804.54</b>	<b>126,191.17</b>	<b>74,130.66</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>437,210.80</b>
Administrative Expenses	Jul 19	Aug 19	Sept 19	Oct 19	Nov 19	Dec 19	Jan 20	Feb 20	Mar 20	Apr 20	May 20	Jun 20	TOTAL
505 - Telephone	1,131.79	1,382.67	1,338.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,852.62
506 - Utility Charges	2,905.15	3,315.25	3,336.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9,557.27
507 - Office/Shop Lease	600.00	600.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,800.00
513 - Office Supplies	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
517 - Auto Allowance	550.00	550.00	550.00	550.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,200.00
520 - Retiree Benefits	10,968.74	10,968.74	10,968.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32,906.22
522 - Office Equipment/Furniture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
526 - Mileage/Parking Reimburse	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
527 - General Office Expense	1,050.23	1,079.19	1,115.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,244.88
529 - Pre-funding Retiree Benefits	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
531 - Technology & Software	341.55	259.99	259.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	861.53
600 - Board of Trustees Compensa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
601 - Trustee Expenses	380.00	380.00	380.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,140.00
602 - Accounting Services	53.92	798.12	61.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	913.98
603 - Legal Fees (General)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
604 - Flood Litigation	3,810.00	8,944.00	1,180.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13,934.41
606 - Legislative Services	0.00	(8,323.69)	2,755.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(5,568.19)
607 - Dues and Assoc. Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
608 - Insurance Premiums	0.00	60.00	5,747.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5,807.00
609 - Conference /Workshops/Sem	14,314.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14,314.08
610 - Public Relations Information	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
611 - Election Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
612 - District Annexations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
613 - Community Services	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
614 - Miscellaneous Admin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
617 - Investment Fees	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
618 - Property Tax	0.00	4,083.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4,083.00
619 - Building Maintenance	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
620 - Bookkeeping Services	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
621 - County Assessment Fees	675.00	1,387.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,062.50
622 - County DTEch Fees for DLMS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
623 - Employee Morale/Wellness	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

AMERICAN RIVER FLOOD CONTROL DISTRICT  
Cash Flow Report  
July 2019 through June 2020

Total Administrative	36,780.46	25,484.77	28,294.07	550.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91,109.30
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Special Projects Expenses	Jul 19	Aug 19	Sept 19	Oct 19	Nov 19	Dec 19	Jan 20	Feb 20	Mar 20	Apr 20	May 20	Jun 20	TOTAL
702 - Engineering/Survey Studies	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
703 - Encroachment Remediation &	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
704 - Vegetation Management	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
705 - Small Capital Projects	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
707 - Levee Standards Compliance	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Special Projects	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Capital Outlay: Flood Control	Jul 19	Aug 19	Sept 19	Oct 19	Nov 19	Dec 19	Jan 20	Feb 20	Mar 20	Apr 20	May 20	Jun 20	TOTAL
700 - Bank Protection	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
701 - Magpie Creek	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
706 - Property Acquisition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
709 - Equipment Purchase (> \$500)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Capital Outlay: Flood Control	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Income	Jul 19	Aug 19	Sept 19	Oct 19	Nov 19	Dec 19	Jan 20	Feb 20	Mar 20	Apr 20	May 20	Jun 20	TOTAL
120 - Benefit Assessment	0.00	38,024.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38,024.99
122 - SAFCA CAD4	980,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	980,000.00
123 - Interest	3,819.31	1,892.89	1,552.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7,264.82
124 - O&M Agreements	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126 - Miscellaneous Income	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Income	983,819.31	39,917.88	1,552.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,025,289.81

Fund Balance

District Operations Fund	Jul 19	Aug 19	Sept 19	Oct 19	Nov 19	Dec 19	Jan 20	Feb 20	Mar 20	Apr 20	May 20	Jun 20
Beginning Balance	1,204,681.07	2,044,635.49	1,929,264.06	1,776,331.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Income	983,819.31	39,917.88	1,552.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Expenses	143,864.89	155,289.31	154,485.24	74,680.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ending Balance	2,044,635.49	1,929,264.06	1,776,331.44	1,701,650.78	0.00	0.00	0.00	TRUE	0.00	0.00	0.00	0.00

Capital Outlay Reserve Fund	Jul 19	Aug 19	Sept 19	Oct 19	Nov 19	Dec 19	Jan 20	Feb 20	Mar 20	Apr 20	May 20	Jun 20
Beginning Balance	1,270,000.00	1,270,000.00	1,270,000.00	1,270,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Income	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ending Balance	1,270,000.00	1,270,000.00	1,270,000.00	1,270,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Retiree Health Benefit Reserve Fund	Jul 19	Aug 19	Sept 19	Oct 19	Nov 19	Dec 19	Jan 20	Feb 20	Mar 20	Apr 20	May 20	Jun 20
Beginning Balance	3,480,014.00	3,480,014.00	3,480,014.00	3,480,014.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Income	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ending Balance	3,480,014.00	3,480,014.00	3,480,014.00	3,480,014.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Flood Emergency Response Reserve Fund	Jul 19	Aug 19	Sept 19	Oct 19	Nov 19	Dec 19	Jan 20	Feb 20	Mar 20	Apr 20	May 20	Jun 20
Beginning Balance	1,500,000.00	1,500,000.00	1,500,000.00	1,500,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Income	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ending Balance	1,500,000.00	1,500,000.00	1,500,000.00	1,500,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Emergency Repair Reserve Fund	Jul 19	Aug 19	Sept 19	Oct 19	Nov 19	Dec 19	Jan 20	Feb 20	Mar 20	Apr 20	May 20	Jun 20
Beginning Balance	1,500,000.00	1,500,000.00	1,500,000.00	1,500,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Income	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ending Balance	1,500,000.00	1,500,000.00	1,500,000.00	1,500,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Total Balance	9,794,649.49	9,679,278.06	9,526,345.44	9,451,664.78	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
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**American River Flood Control District  
Central Valley Flood Protection Board Permit Applications  
1620 & 1622 McClaren Road**

**Staff Report**

**Discussion:**

The parcel owners at 1620 McClaren Road (Friedman) and 1622 McClaren Road (Bass) in Carmichael, California seek to obtain encroachment permits to construct bank protection work along their properties on the north bank of the American River. The proposed project is to remove existing gunnite bank protection that has failed and replace it with rock toe protection and Flexamat fabric on the bank slope. The work will require demolition and removal of the existing gunnite and then excavation to prepare the bank to install the Flexamat. The completed work will be planted with native grasses and pole cuttings.

The permit application also includes a request to have a name change on the original permits for bank protection issued to previous residents at these locations.

All of the work described in these applications is outside the levee prism and toe area and the work will not have an impact on the District levee.

**Recommendation:**

The General Manager recommends that the Board of Trustees endorse both permit applications.

## TECHNICAL MEMORANDUM

TO: Mr. Jonathan Kors, PE

FROM: Mr. Jay Punia, PE  
Mr. Chuck Hilliard, PE

DATE: October 8, 2019

SUBJECT: Project Description – Friedman and Bass Revetment Replacement Project  
1620 and 1622 McLaren Drive, Carmichael, California

---

## INTRODUCTION

At the right bank of the American River near U.S. Army Corps of Engineers (USACE) River Mile (RM) 13.4, the gunite bank protection that was installed in early 1960s is failing and needs to be replaced with a more robust design. The attached exhibit shows the location and the initial design for restoring the erosion protection at this site. The gunite extends approximately 250 lineal feet along the bank line and includes Dr. Bass' and Mrs. Friedman's properties along the river. Dr. Bass's property extent is the upstream (approximately) 90 feet of bank line, while Mrs. Friedman's is the remaining downstream 160 feet. The vertical extents of the gunite extend from the toe of the slope below the low summer water levels up to the top of the river bank. Dr. Bass's pool and retaining wall are located near the top edge of the river bank, while Mrs. Friedman's fence, gate, and landscaped structures are located near the top of the slope.

The purpose of this Technical Memorandum is to provide the needed information for preparing the California Environmental Quality Act (CEQA/Nation Environmental Protection Act (NEPA) analyses, and describe the project to regulatory and permitting agencies.

## PROJECT DESCRIPTION

The proposed project will replace the existing gunite bank protection with Flexamat permanent erosion control mat for arresting erosion and for stabling the bank slope at this location. Based on the initial input from the Central Valley Flood Protection Board (CVFPB), two separate permit applications will be submitted. Application number one (on behalf of Dr. Bass) will cover a portion located approximately 90 feet (upstream) of the project, and a second application (on behalf of Mrs. Friedman) will cover the remaining 160 feet.

---

## SITE CHARACTERISTICS

- The banks are steep at this location and could become steeper with increased scour at the toe of the bank.
- Flow velocities are very high at or above the toe of the bank.
- Bank material can be mobilized at all flows.
- Toe scour is possible at the estimated velocities, which could encourage bank failure.
- Erosion behind the gunite wall is evident and with continued failure of the gunite wall could become worse.
- Further erosion and bank failure would likely lead to structural damage of Dr. Bass's retaining wall and pool, as well as Mrs. Friedman's staircase, fence, and lawn.

## PROPOSED DESIGN

As shown in attached Project Overview drawings C-301, C-302 and C-303, the existing gunite structure would be removed. Flexamat will be laid over the slope. The subgrade prepared for placement of mat shall be smooth and free of all rocks, sticks, roots, other protrusions, or debris of any kind.

Flexamat is a permanent erosion control mat utilized for stabilizing levee slopes, channels, low water crossings, inlet/outlet protection, and shorelines. It consists of concrete blocks (6.5" x 6.5" with a 2.25" profile) locked together and embedded into a high strength geogrid. There is 1.5" spacing between the blocks that gives the mat flexibility and allows for optional vegetation growth. The mat is packaged in rolls, making transporting and installing Flexamat efficient. **Figure 1** shows the Flexamat providing erosion protection to a waterside slope of a channel.



Figure 1

To secure the toe, launch-able rock will be placed between the existing concrete block and along the slope up to 6 feet from the existing ground surface.

Once the Flexamat has been installed the overall site would be revegetated with a combination of pole cuttings near the upper slope and native grass plugs (e.g. creeping wild rye plugs) established within the interstitial spaces of the Flexamat blocks. The vegetation will provide an number of important functions and benefits including: mitigating for potential aquatic habitat impacts of the proposed work below the ordinary high water mark (likely a condition of permits required by the Resource Agencies); an aesthetic benefit to the proposed project by providing cover over the concrete blocks that would acknowledge the importance of the wild & scenic character of the Lower American River; and an added slope stability/erosion protection benefit from reduced velocities and improved soil shear strength (plant roots) to the overall project design.

The proposed design is based on velocities and shear stresses reflected in the Northwest Hydraulic Consultants (NHC) Report (December 6, 2019).

## ACCESS

The project site is accessible from Mrs. Friedman’s property through a gate near the top of the slope and down concrete steps constructed into the gunite protection. There is no existing access for construction equipment to reach the bottom of the steep slope through Mrs. Friedman’s property. Dr. Bass has a small boat ramp that passes through the upstream extent of the gunite protection. The boat launch connects to Dr. Bass’s driveway and is a feasible location for equipment access to reach the bottom of the slope.



---

## CONSTRUCTION SEQUENCE

The original gunite bank protection will be removed and hauled away from the project site, with the exception of the concrete anchor block at the waterside toe of the riverbank. The anchor block will remain in its current location, or will be relocated (shifted laterally) as necessary to accommodate the placement of the angular launch-able rock revetment at the toe.

Construction Sequence will be as follows:

1. Clear all debris and vegetation from the riverbank slope.
2. Prepare subgrade surfaces for placement of mats. The subgrade shall be smooth and free of all rocks, sticks, roots, other protrusions, or debris of any kind.
3. Install Flexamat rolls on the slope that are 15' wide with a 18" geogrid extension.
4. Install mats so that the matting extends 36" past crest of slope, if possible.
5. The top edge and upstream/downstream sides of mat shall be embedded 24".
6. Secure overlap seams in 2' increments using cross-plate percussion anchors. Anchors shall penetrate through the upstream mat and geogrid extension from adjacent downstream mat.
7. Fill and compact termination trench with cohesive soil or concrete.
8. Install cross-plate percussion anchors in 2' increments along the initial upstream edge of armor.
9. Establish vegetation on finished slope.

Topsoil materials may be added to facilitate vegetative growth.

## CONSTRUCTION SCHEDULE

<u>Activity</u>	<u>Month/Year</u>
Permits	October 2019–April 2020
Advertise Const. Contract	May–June 2020
Actual Construction	June–Sept. 2020

## EQUIPMENT

Construction Phase	Number of Each Equipment Type	Duration of Use (Days)
Removing and hauling existing gunite bank protection	Excavator with demolition attachment (hydraulic hammer), skid-steer loader, front-end loader, hauling trucks (1-2).	5-7 days
Clearing and grubbing/stripping	Front-end loader, skid-steer loader, haul trucks, pickup trucks	5-7 days
Placing Flexamat over prepared slope	Manual labor, Front-end loader, excavator, haul trucks, and backhoe	5-7 days
Placing angular launch-able rock at the toe	Front-end loader, skid-steer loader, haul trucks, pickup trucks, Manual labor	3-5 days

## MATERIALS DELIVERY

Typical deliveries and hauling for the project would include the rock for launch-able toe-protection, Flexamat rolls, and bedding material needed to reconstruct the bank slope. The existing gunite and demolition debris would be hauled away to the nearest disposal site.

The project will require approximately 150 cubic yards (about 300 tons) of rock to be imported and installed for the toe protection, approximately 11,400 square feet of Flexamat rolls, and approximately 115 tons of gunite and concrete will be demolished and removed from the site. These numbers will be revised once the design is finalized.

## REFERENCES

1. Northwest Hydraulic Consultants Report (December 6, 2018) to Mrs. Friedman and to Dr. Bass
2. California Code of Regulations, Title 23, Waters
3. USACE, EM 1110-2-1913, Design and Construction of Levees
4. Flexamat Product Specification Sheet

Attachments:

Drawings (G-001, C-101, C-302, and C-303)



**60% DESIGN**

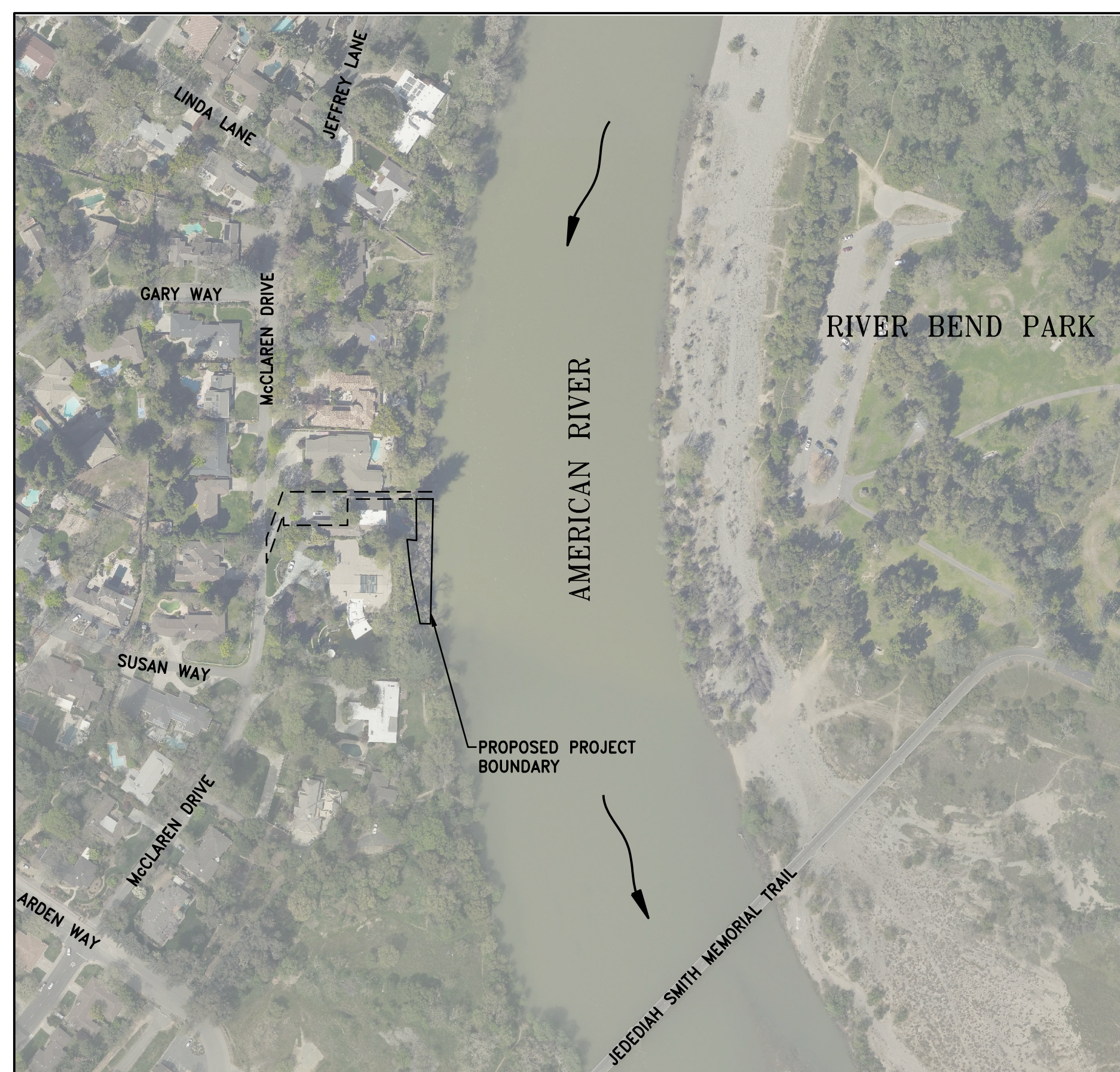
# FRIEDMAN & BASS PROPERTIES REVTMENT REPLACEMENT PROJECT

**OWNERS:**

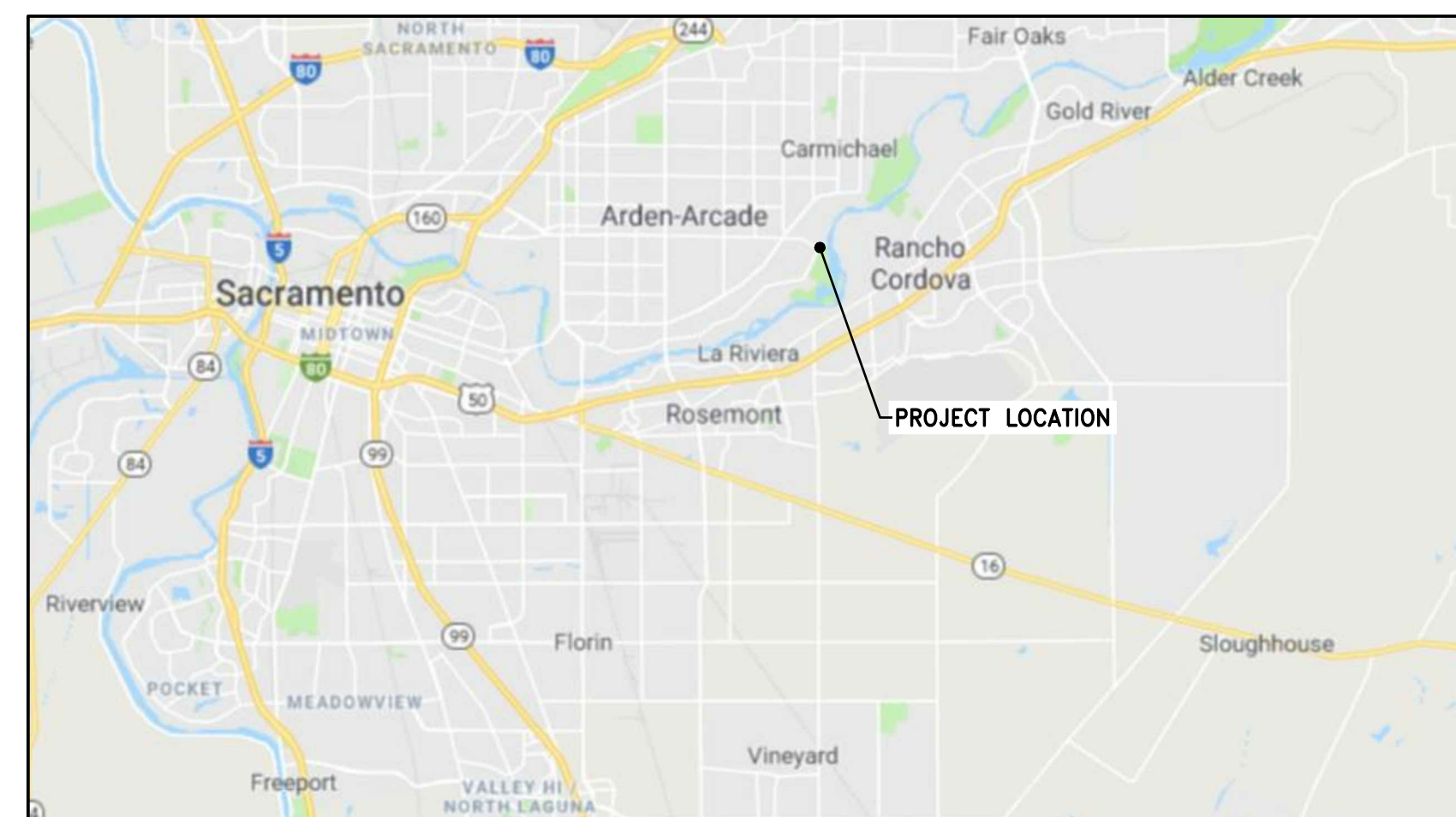
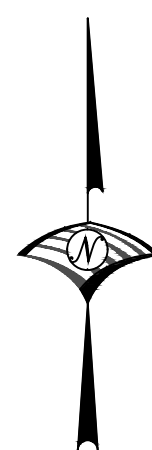
MRS. FRIEDMAN  
1620 McCLAREN DRIVE, CARMICHAEL, CALIFORNIA 95608  
DR. BASS  
1622 McCLAREN DRIVE, CARMICHEAL, CALIFORNIA 95608

**SHEET INDEX**

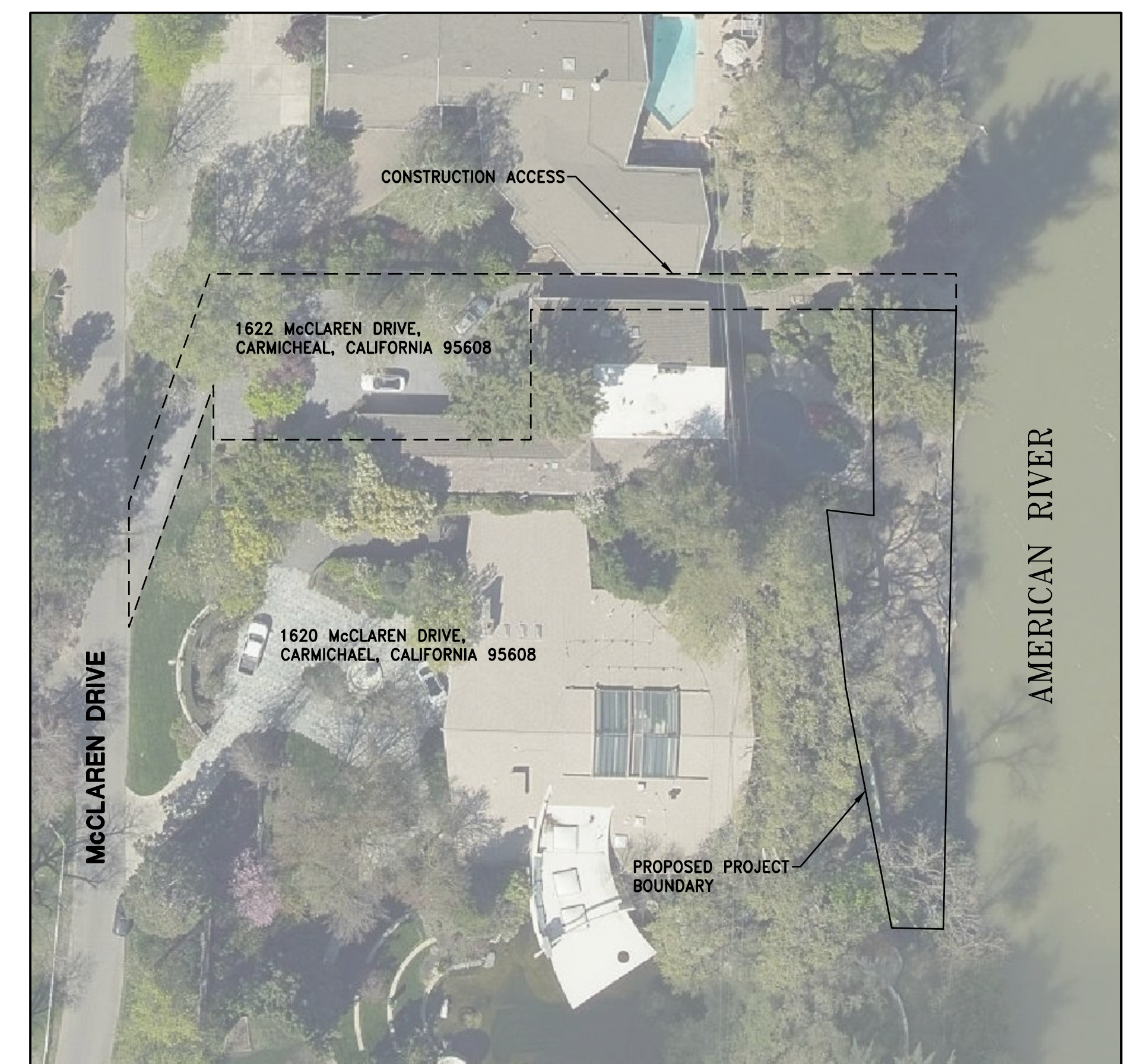
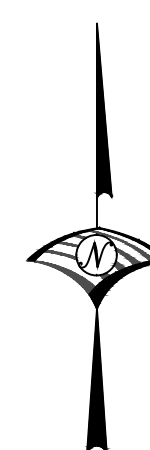
SHEET NUMBER	DRAWING NUMBER	DRAWING TITLE
1	G-001	TITLE SHEET AND SHEET INDEX
2	G-002	GENERAL NOTES AND SPECIFICATIONS
3	C-101	GENERAL PLAN
4	C-102	SITE ACCESS PHOTOS
5	C-103	EXISTING SITE PHOTOS
6	C-201	CROSS SECTIONS STA 0+30 TO 0+60
7	C-202	CROSS SECTIONS STA 0+70 TO 1+00
8	C-203	CROSS SECTIONS STA 1+10 TO 1+40
9	C-204	CROSS SECTIONS STA 1+50 TO 1+80
10	C-205	CROSS SECTIONS STA 1+90 TO 2+20
11	C-206	CROSS SECTIONS STA 2+30 TO 2+40
12	C-301	TYPICAL SECTIONS (1 OF 3)
13	C-302	TYPICAL SECTIONS (2 OF 3)
14	C-303	TYPICAL SECTIONS (3 OF 3)



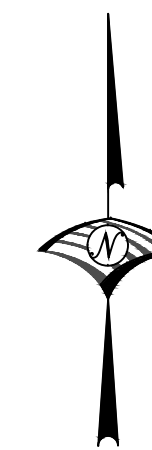
**VICINITY MAP**  
1"=200'



**LOCATION MAP**  
NOT TO SCALE

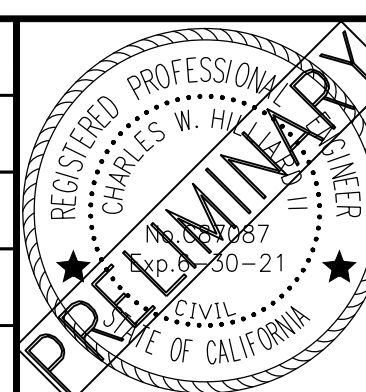


**SITE MAP**  
SCALE: 1"=40'



REV.	DATE	BY	CHK.	APPR.	DESCRIPTION

DESIGNED BY:  
C. HILLIARD  
DRAWN BY:  
J. KAUP  
CHECKED BY:  
J. KORS  
IN CHARGE:  
C. HILLIARD  
DATE:  
XX/XX/XXXX



**WOOD RODGERS**  
DEVELOPING • INNOVATIVE • DESIGN • SOLUTIONS  
3301 C STREET, BLDG. 100-B, SACRAMENTO, CA 95816  
PHONE: (916) 341-7769 FAX: (916) 341-7767

SUBMITTED \_\_\_\_\_ APPROVED \_\_\_\_\_

**FRIEDMAN & BASS PROPERTIES**  
**REVTMENT REPLACEMENT PROJECT**  
TITLE SHEET

VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS	
0" = 1"	
DRAWING NO.	SHEET
<b>G-001</b>	<b>1</b>



**60% DESIGN**

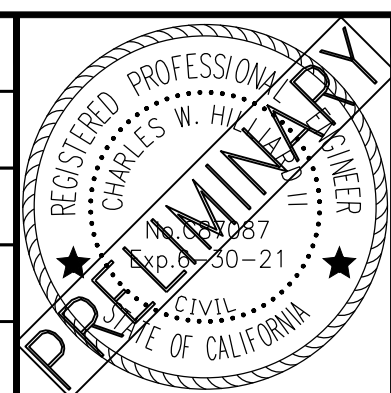
**LEGEND:**

PROJECT AREA 



REV.	DATE	BY	CHK.	APPR.	DESCRIPTION


DESIGNED BY:  
C. HILLIARD  
DRAWN BY:  
J. KAUP  
CHECKED BY:  
J. KORS  
IN CHARGE:  
C. HILLIARD  
DATE:  
XX/XX/XXXX



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PHONE: (916) 341-7769 FAX: (916) 341-7767

SUBMITTED \_\_\_\_\_ APPROVED \_\_\_\_\_

**FRIEDMAN & BASS PROPERTIES**  
**REVTMENT REPLACEMENT PROJECT**  
**GENERAL PLAN**

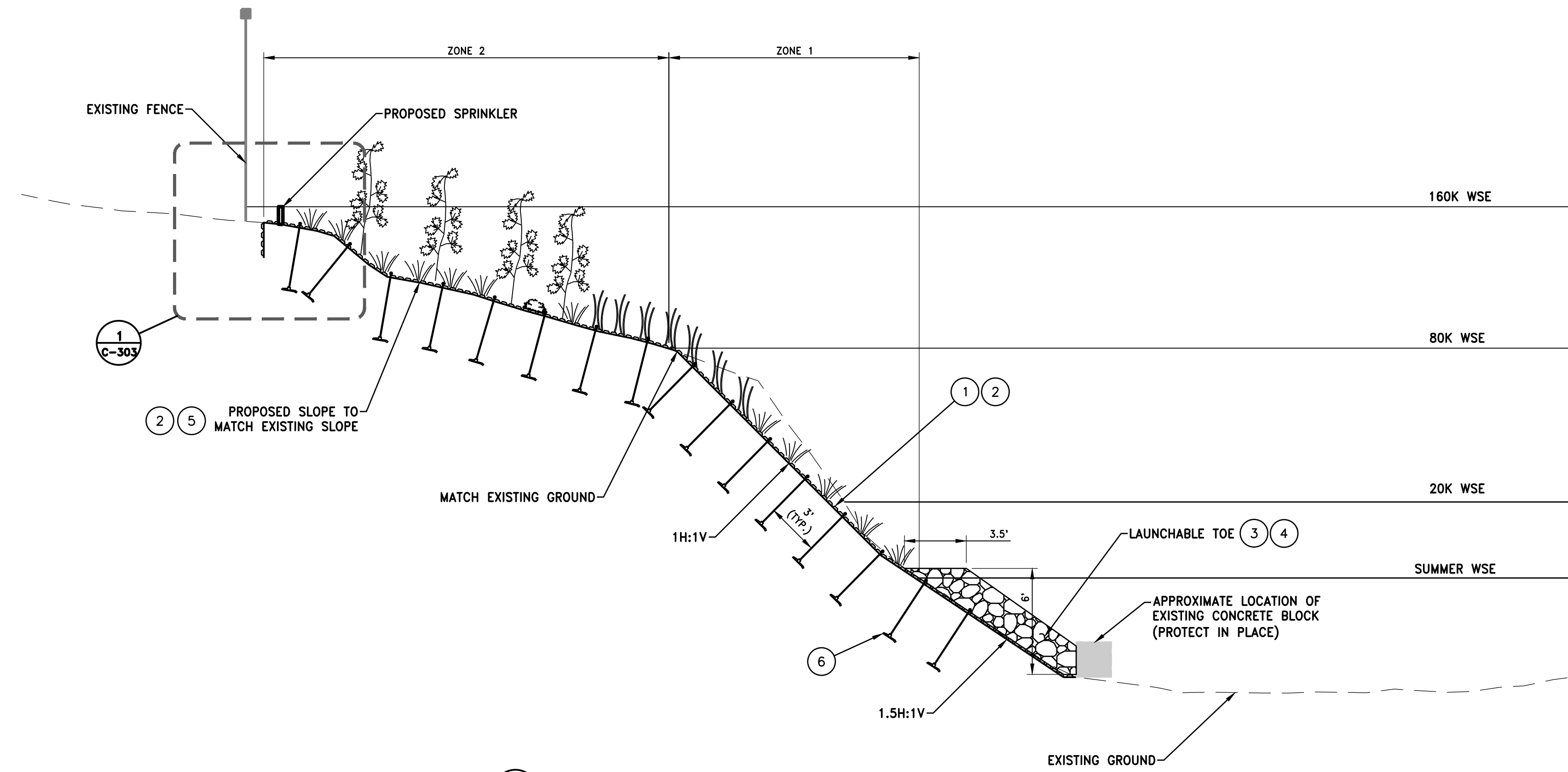
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DRAWING NO.	SHEET
<b>C-101</b>	<b>3</b>



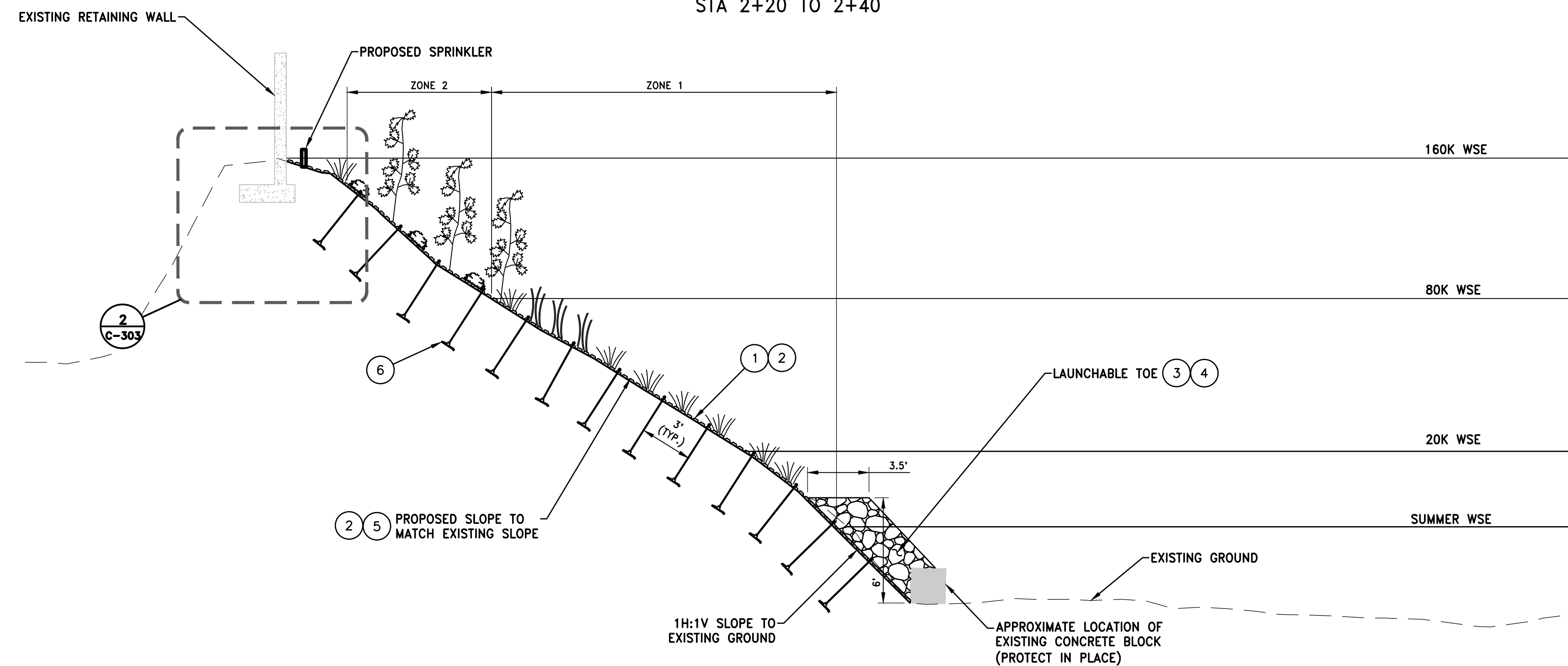
**60% DESIGN**

**CONSTRUCTION NOTES:**

- 1. INSTALL FLEXAMAT ROLLS WITH A 18" UNDERLAY EXTENSION, WITH THE UPSTREAM MATS OVER THE UNDERLAY EXTENSION OF DOWNSTREAM MATS
- 2. IF EXISTING SLOPE IS STEEPER THAN 1H:1V, EXCAVATE EXISTING SLOPE AS NEEDED TO ACHIEVE A MAXIMUM SLOPE OF 1H:1V
- 3. FILL LAUNCHABLE TOE SECTION AGAINST EXISTING CONCRETE BLOCK AS NEEDED
- 4. 2FT MINIMUM THICKNESS CALTRANS CLASS III RSP
- 5. ALL SUBGRADE SURFACES SHALL BE SMOOTH AND FREE OF ROCKS AND DEBRIS OF ANY KIND PRIOR TO PLACEMENT OF GEOTEXTILE AND FLEXAMAT
- 6. INSTALL CROSS-PLATE PERCUSSION ANCHORS BEGINNING AT ELEV 38' (2FT BELOW SUMMER WSE) AT 3' SPACING TO TOP OF REVETMENT SLOPE
- 7. ZONE 2 VEGETATION SHALL BE PLACED FROM TOP OF SLOPE TO 80K WSE (ELEV 53'). ZONE 1 VEGETATION SHALL BE PLACED FROM SUMMER WSE (ELEV 40') TO 80K WSE (ELEV 53').



**1**  
**TYPICAL CROSS SECTION - FENCE**  
STA 0+50 TO 1+70  
STA 2+20 TO 2+40  
SCALE: NTS



**2**  
**TYPICAL CROSS SECTION - RETAINING WALL**  
STA 1+80 TO 2+10  
SCALE: NTS



**3**  
**TYPICAL FLEXAMAT INSTALLATION**

- NOTE:**
- 1. REVETMENT PRODUCT IS TO BE "FLEXAMAT PLUS" THAT HAS CURELX II ECB AND RECYCLEX TRM-V UNDERLAYMENT
  - 2. EXAMPLE OF FLEXAMAT REVETMENT WITH SUBSTANTIAL TIME ALLOTTED FOR VEGETATIVE GROWTH IS DEPICTED IN THE PHOTO ABOVE

REV.	DATE	BY	CHK.	APPR.	DESCRIPTION

DESIGNED BY: C. HILLIARD  
 DRAWN BY: J. KAUP  
 CHECKED BY: J. KORS  
 IN CHARGE: C. HILLIARD  
 DATE: XX/XX/XXXX

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 3301 C STREET, BLDG. 100-B, SACRAMENTO, CA 95816  
 PHONE: (916) 341-7769 FAX: (916) 341-7767

REGISTERED PROFESSIONAL ENGINEER  
 CHARLES W. HILLIARD  
 No. 10087  
 Exp. 03-21  
 STATE OF CALIFORNIA

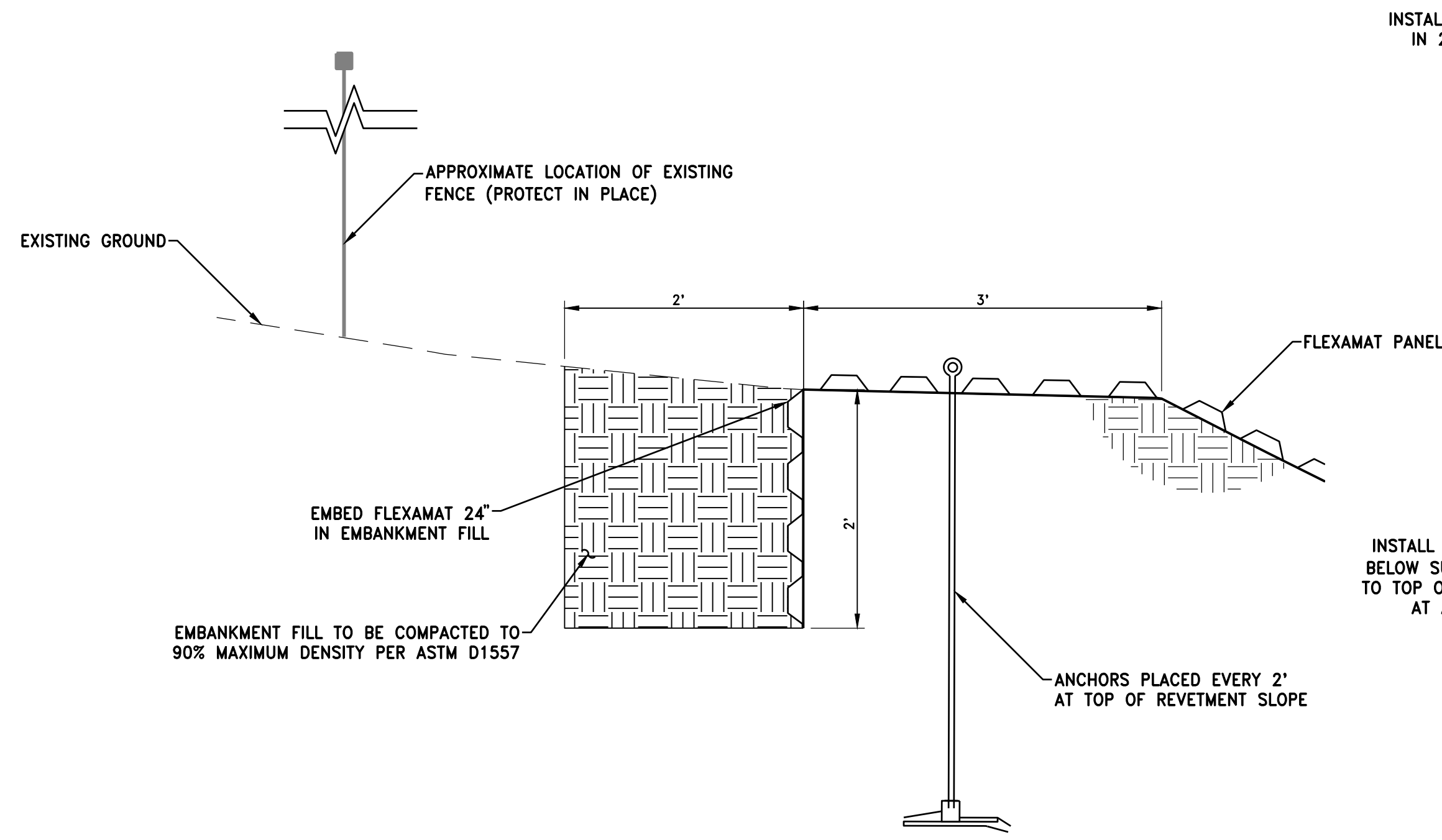
SUBMITTED \_\_\_\_\_ APPROVED \_\_\_\_\_

**FRIEDMAN & BASS PROPERTIES**  
**REVTMENT REPLACEMENT PROJECT**  
**TYPICAL DETAILS (2 OF 3)**

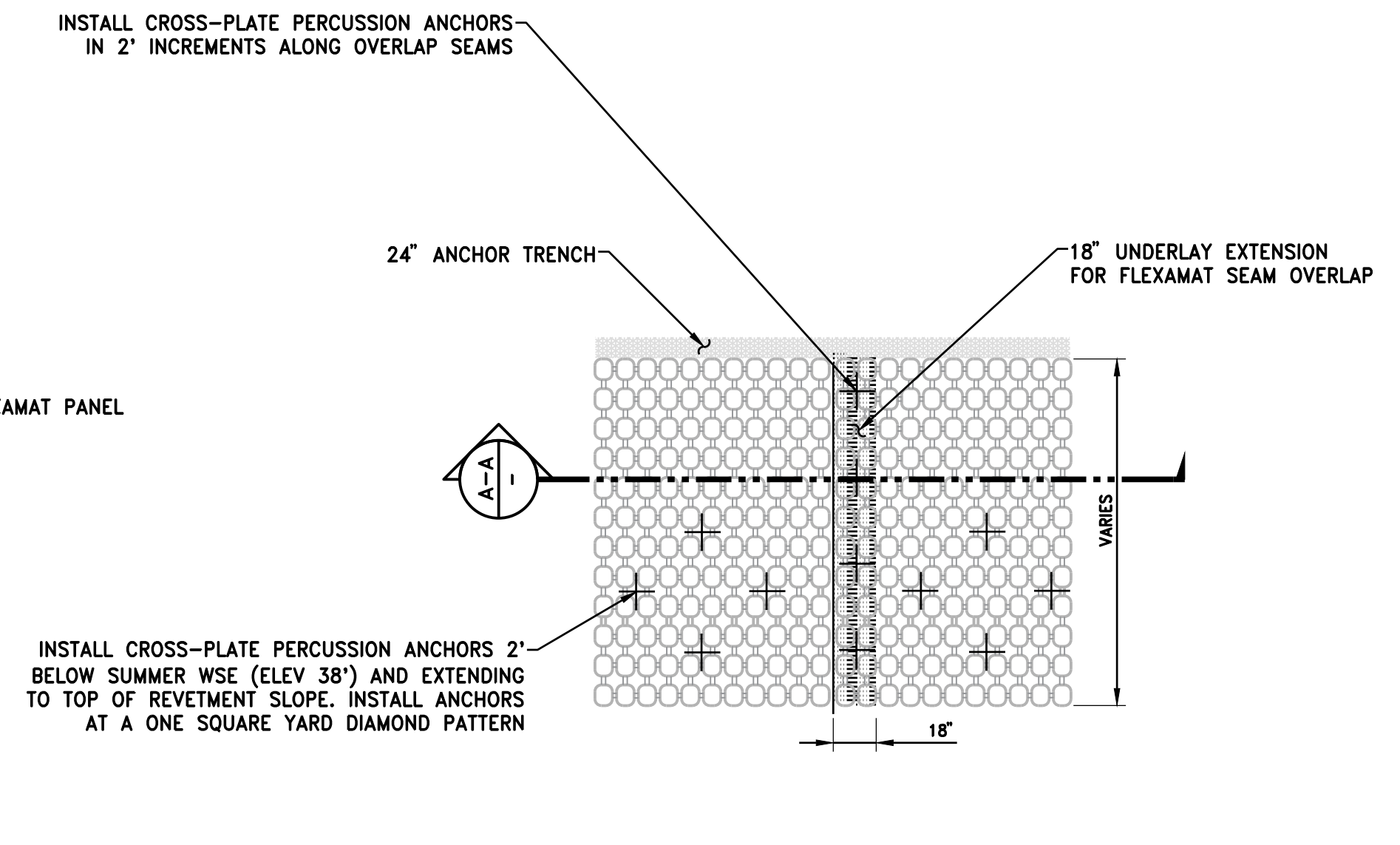
VERIFY SCALES  
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 0" = 1"

DRAWING NO. **C-302** SHEET **13**

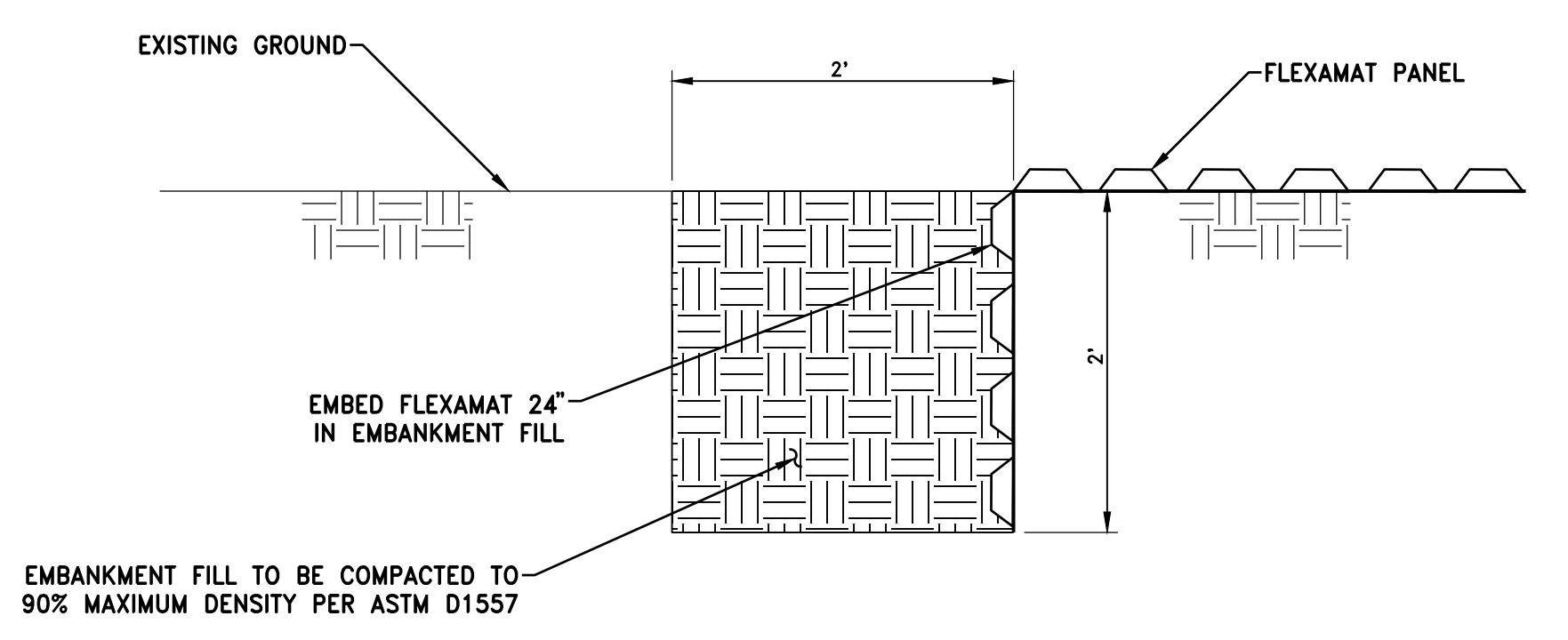
**60% DESIGN**



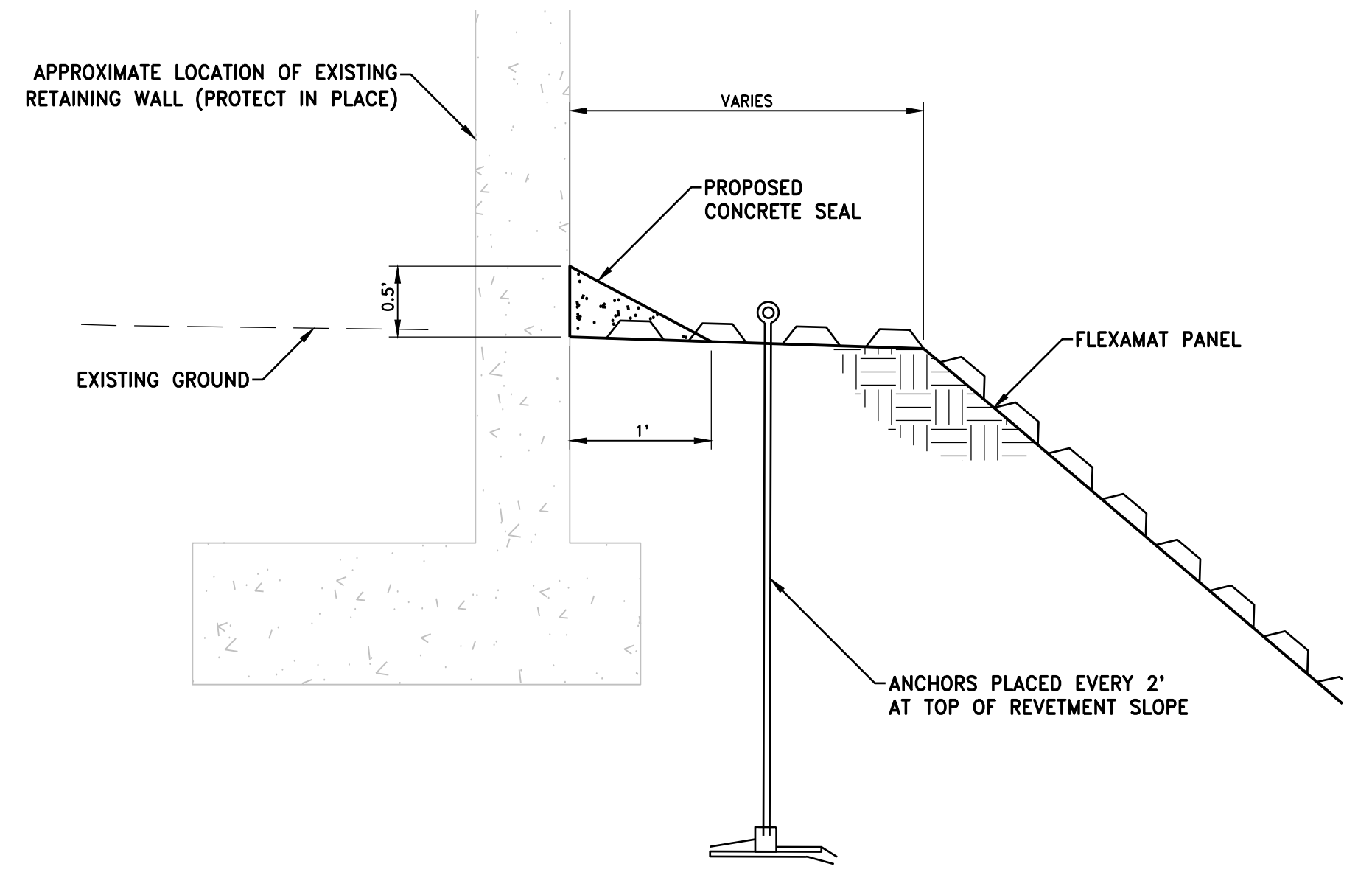
**1** TYPICAL TOP OF SLOPE TIE-IN - FENCE  
 STA 0+50 TO 1+70  
 STA 2+20 TO 2+40  
 SCALE: NTS



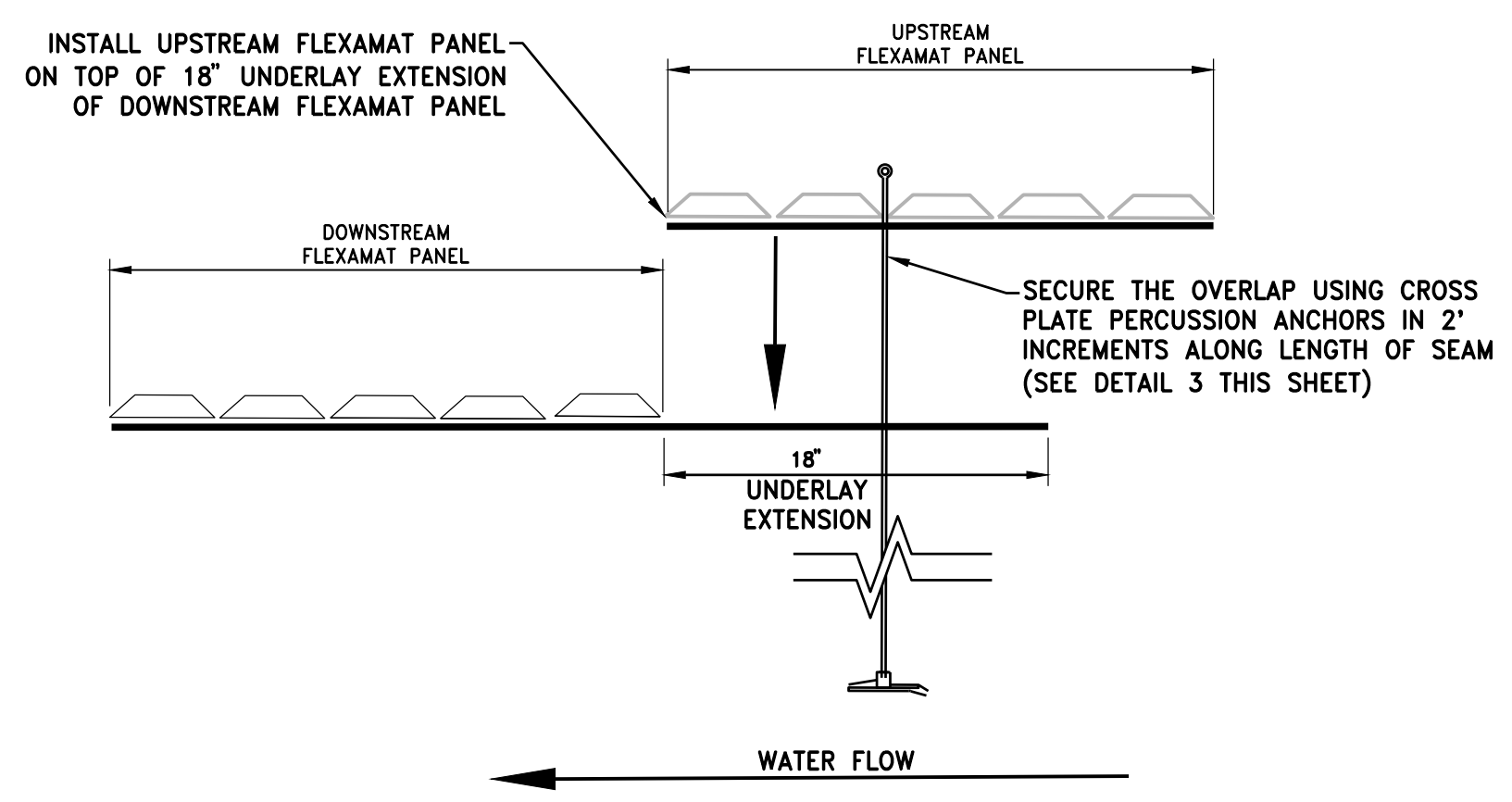
**3** FLEXAMAT OVERLAP PLAN  
 SCALE: NTS



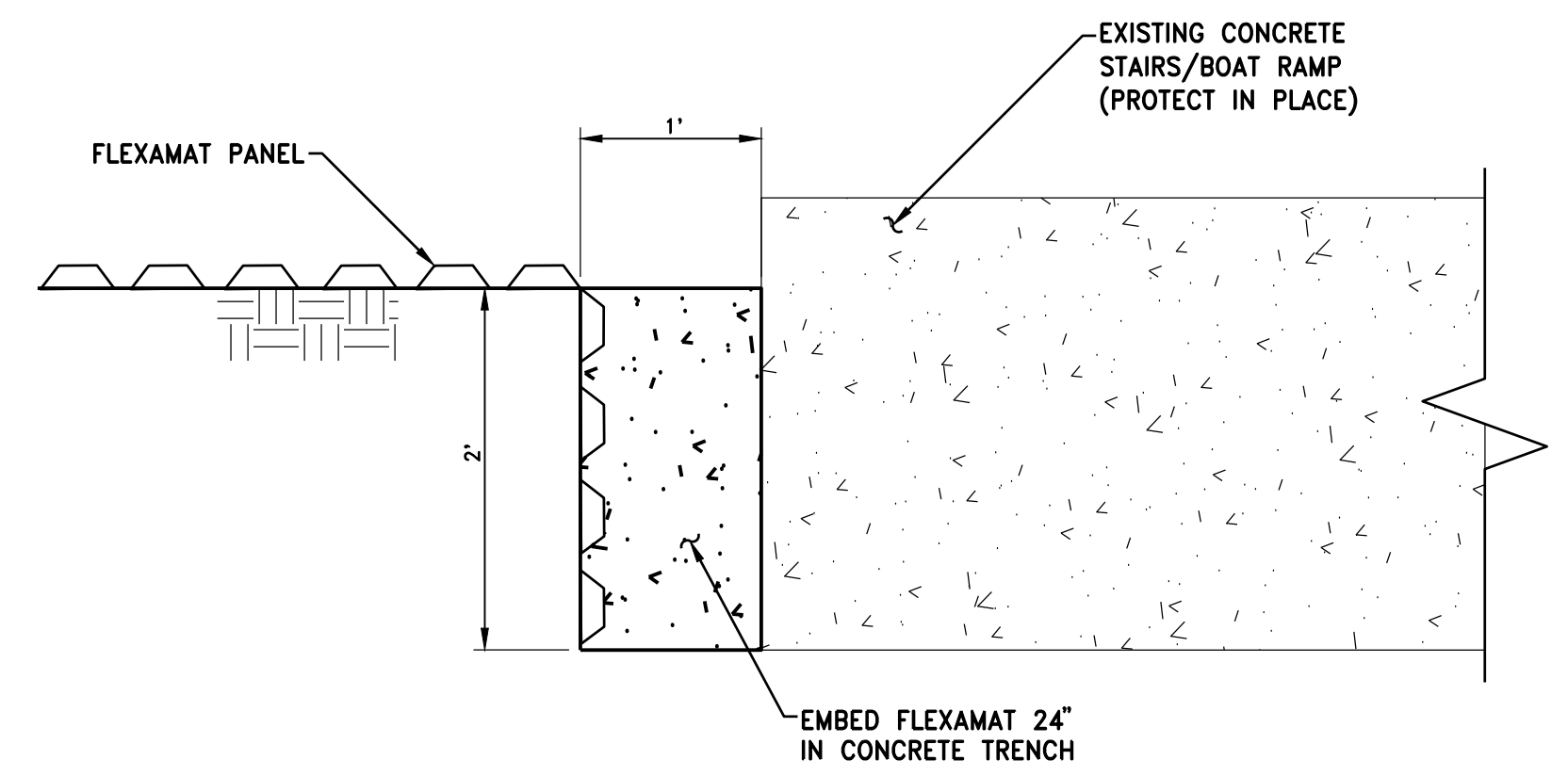
**4** DOWNSTREAM TIE-IN TRENCH DETAIL  
 STA 2+40  
 SCALE: NTS



**2** TYPICAL TOP OF SLOPE TIE-IN - RETAINING WALL  
 STA 1+80 TO 2+10  
 SCALE: NTS



**A-A** FLEXAMAT OVERLAP SECTION A-A  
 SCALE: NTS



**5** UPSTREAM TIE-IN TRENCH DETAIL  
 STA 2+30  
 SCALE: NTS

REV.	DATE	BY	CHK.	APPR.	DESCRIPTION

DESIGNED BY: C. HILLIARD  
 DRAWN BY: J. KAUP  
 CHECKED BY: J. KORS  
 IN CHARGE: C. HILLIARD  
 DATE: XX/XX/XXXX

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 3301 O STREET, BLDG. 100-B, SACRAMENTO, CA 95816  
 PHONE: (916) 341-7769 FAX: (916) 341-7767

REGISTERED PROFESSIONAL ENGINEER  
 CHARLES W. HILLIARD  
 No. 10087  
 State of California  
**PRELIMINARY**

SUBMITTED \_\_\_\_\_ APPROVED \_\_\_\_\_

**FRIEDMAN & BASS PROPERTIES**  
**REVTMENT REPLACEMENT PROJECT**  
 TYPICAL DETAILS (3 OF 3)

DRAWING NO. **C-303** SHEET **14**

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS  
 0" = 1"

**APPLICATION FOR A CENTRAL VALLEY FLOOD PROTECTION BOARD  
ENCROACHMENT PERMIT**

**Application No.** \_\_\_\_\_  
(For Office Use Only)

1. Description of proposed work being specific to include all items that will be covered under the issued permit.

The proposed project is to repair the damaged bank protection site along the American River located at 1620 McClaren Drive in Carmichael, CA. The original protection has visible cracks and the bank material beneath is exposed and eroding. This application covers approximately 160 feet of the bank repair work. We are also requesting that permit 4352 issued to Jack Steiner on August 5, 1963 be transferred to Ms. Marcy Friedman.

2. Project

Location: Sacramento County, in Section 56  
(N) (E)  
Township: 9 North (S), Range: 6 East (W), M. D. B. & M.  
Latitude: 38.594179° Longitude: -121.333174°  
Stream : American River , Levee : North Designated Floodway: Yes  
APN: 28902830440000

3. Ms. Marcy Friedman of 1620 McClaren Drive  
Name of Applicant / Land Owner Address

Carmichael CA 95608  
City State Zip Code Telephone Number  
marcy@marcyfriedman.com  
E-mail

4. Jay Punia of Wood Rodgers Inc.  
Name of Applicant's Representative Company

Sacramento CA 95816 (916) 870-0770  
City State Zip Code Telephone Number  
jpunia@woodrogers.com  
E-mail

5. Endorsement of the proposed project from the Local Maintaining Agency (LMA):

We, the Trustees of \_\_\_\_\_ approve this plan, subject to the following conditions:  
Name of LMA

Conditions listed on back of this form  Conditions Attached  No Conditions

\_\_\_\_\_  
Trustee Date

\_\_\_\_\_  
Trustee Date

### APPLICATION FOR A CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMIT

6. Names and addresses of adjacent property owners sharing a common boundary with the land upon which the contents of this application apply. If additional space is required, list names and addresses on back of the application form or an attached sheet.

Name	Address	Zip Code
See attached		

7. Has an environmental determination been made of the proposed work under the California Environmental Quality Act of 1970?  Yes  No  Pending

If yes or pending, give the name and address of the lead agency and State Clearinghouse Number:

\_\_\_\_\_  
\_\_\_\_\_

SCH No. \_\_\_\_\_

8. When is the project scheduled for construction? \_\_\_\_\_

9. Please check exhibits accompanying this application.

- A.  Regional and vicinity maps showing the location of the proposed work.
- B.  Drawings showing plan view(s) of the proposed work to include map scale.
- C.  Drawings showing the cross section dimensions and elevations (vertical datum?) of levees, berms, stream banks, flood plain,
- D.  Drawings showing the profile elevations (vertical datum?) of levees, berms, flood plain, low flow, etc.
- E.  A minimum of four photographs depicting the project site.

\_\_\_\_\_  
Signature of Applicant

\_\_\_\_\_  
Date

Include any additional information:

See the attached plans, specifications and x-sections

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



**APPLICATION FOR A CENTRAL VALLEY FLOOD PROTECTION BOARD  
ENCROACHMENT PERMIT**

**Application No.** \_\_\_\_\_  
(For Office Use Only)

1. Description of proposed work being specific to include all items that will be covered under the issued permit.

The proposed project is to repair the damaged bank protection site along the American River located at 1622 McClaren Drive in Carmichael, CA 956. The original protection has visible cracks and the bank material beneath is exposed and eroding. This application covers approximately 90 feet of the bank repair work. We are also requesting that permit 4902 issued to Jamee Eddy on April 5, 1965 be transferred to Dr. Lawrence Bass.

2. Project

Location: Sacramento County, in Section 56  
(N) (E)  
Township: 9 North (S), Range: 6 East (W), M. D. B. & M.  
Latitude: 38.594179° Longitude: -121.333174°  
Stream : American River , Levee : North Designated Floodway: Yes  
APN: 28902830440000

3. Dr. Lawrence Bass of 1622 McClaren Drive  
Name of Applicant / Land Owner Address

Carmichael CA 95608 \_\_\_\_\_  
City State Zip Code Telephone Number  
ljbass@surewest.net  
E-mail

4. Jay Punia of Wood Rodgers Inc.  
Name of Applicant's Representative Company

Sacramento CA 95816 (916) 870-0770  
City State Zip Code Telephone Number  
jpunia@woodrogers.com  
E-mail

5. Endorsement of the proposed project from the Local Maintaining Agency (LMA):

We, the Trustees of \_\_\_\_\_ approve this plan, subject to the following conditions:  
Name of LMA

Conditions listed on back of this form  Conditions Attached  No Conditions

\_\_\_\_\_  
Trustee Date Trustee Date  
\_\_\_\_\_  
Trustee Date Trustee Date

## APPLICATION FOR A CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMIT

6. Names and addresses of adjacent property owners sharing a common boundary with the land upon which the contents of this application apply. If additional space is required, list names and addresses on back of the application form or an attached sheet.

Name	Address	Zip Code
See attached		

7. Has an environmental determination been made of the proposed work under the California Environmental Quality Act of 1970?     Yes     No     Pending

If yes or pending, give the name and address of the lead agency and State Clearinghouse Number:

\_\_\_\_\_

\_\_\_\_\_

SCH No. \_\_\_\_\_

8. When is the project scheduled for construction? \_\_\_\_\_

9. Please check exhibits accompanying this application.

- A.  Regional and vicinity maps showing the location of the proposed work.
- B.  Drawings showing plan view(s) of the proposed work to include map scale.
- C.  Drawings showing the cross section dimensions and elevations (vertical datum?) of levees, berms, stream banks, flood plain,
- D.  Drawings showing the profile elevations (vertical datum?) of levees, berms, flood plain, low flow, etc.
- E.  A minimum of four photographs depicting the project site.

\_\_\_\_\_  
Signature of Applicant

\_\_\_\_\_  
Date

Include any additional information:

See the attached plans, specifications and x-sections

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**American River Flood Control District  
Central Valley Flood Protection Board Permit Application  
5732 Coda Lane**

**Staff Report**

**Discussion:**

The parcel owner at 5732 Coda Lane in Carmichael California seeks to obtain an encroachment permit to perform a home remodel and install a swimming pool at a parcel within the American River Floodway. The parcel is on the water side of the American River North Levee upstream of Arden Way.

The application includes work to make additions to residential structure and install a swimming pool within the floodway. The structure will remain at the same elevation as it is currently and neither the structure nor the proposed pool will encroach into the waterside setback zone of the levee. The proposed features will not impact the integrity of the levee nor impact operations and maintenance activities of the District.

**Recommendation:**

The General Manager recommends that the Board of Trustees endorse the permit application.

**APPLICATION FOR A CENTRAL VALLEY FLOOD PROTECTION BOARD  
ENCROACHMENT PERMIT**

RECEIVED AUG 21 2019  
by Elizabeth

Signed  
APP

Application No. \_\_\_\_\_  
(For Office Use Only)

1. Description of proposed work being specific to include all items that will be covered under the issued permit.

Addition to front of house. Smaller addition to living space & large new porch. Plus swimming pool.

2. Project Location: Sacramento County, in Section \_\_\_\_\_  
Township: \_\_\_\_\_ (N) \_\_\_\_\_ (E)  
(S), Range: \_\_\_\_\_ (W), M. D. B. & M.  
Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
Stream: \_\_\_\_\_, Levee: \_\_\_\_\_ Designated Floodway: \_\_\_\_\_  
APN: \_\_\_\_\_

3. Mark L. Ludwig Revocable Trust of 5732 Coda Ln.  
Name of Applicant / Land Owner Address  
Carmichael CA 95608 (415) 946-4736  
City State Zip Code Telephone Number  
E-mail: markludwig@mindspring.com

4. \_\_\_\_\_ of \_\_\_\_\_  
Name of Applicant's Representative Company  
City State Zip Code Telephone Number  
E-mail

5. Endorsement of the proposed project from the Local Maintaining Agency (LMA):

We, the Trustees of \_\_\_\_\_ approve this plan, subject to the following conditions:  
Name of LMA

- Conditions listed on back of this form
- Conditions Attached
- No Conditions

Trustee \_\_\_\_\_ Date \_\_\_\_\_ Trustee \_\_\_\_\_ Date \_\_\_\_\_  
Trustee \_\_\_\_\_ Date \_\_\_\_\_ Trustee \_\_\_\_\_ Date \_\_\_\_\_

### APPLICATION FOR A CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMIT

6. Names and addresses of adjacent property owners sharing a common boundary with the land upon which the contents of this application apply. If additional space is required, list names and addresses on back of the application form or an attached sheet.

Name	Address	Zip Code
Jackson Angle	5740 Coda Ln. Carmichael CA 95608	
Mark Laoher	5724 Coda Ln. Carmichael CA 95608	

7. Has an environmental determination been made of the proposed work under the California Environmental Quality Act of 1970?  Yes  No  Pending

If yes or pending, give the name and address of the lead agency and State Clearinghouse Number:


\_\_\_\_\_  
\_\_\_\_\_

SCH No. \_\_\_\_\_

8. When is the project scheduled for construction? in progress

9. Please check exhibits accompanying this application.

- A.  Regional and vicinity maps showing the location of the proposed work.
- B.  Drawings showing plan view(s) of the proposed work to include map scale.
- C.  Drawings showing the cross section dimensions and elevations (vertical datum?) of levees, berms, stream banks, flood plain,
- D.  Drawings showing the profile elevations (vertical datum?) of levees, berms, flood plain, low flow, etc.
- E.  A minimum of four photographs depicting the project site.

  
 Signature of Applicant 8/21/19  
 Date

Include any additional information:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE FOR APPLICATIONS FOR CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMITS

This environmental assessment questionnaire must be completed for all Central Valley Flood Protection Board applications. Please provide an explanation where requested. Incomplete answers may result in delays in processing permit applications. Failure to complete the questionnaire may result in rejection of the application.

- 1. Has an environmental assessment or initial study been made or is one being made by a local or State permitting agency in accordance with the California Environmental Quality Act?  Yes  No  
If yes, identify the Lead Agency, type of document prepared or which will be prepared, and the State Clearinghouse Number:

- 2. Will the project require certification, authorization or issuance of a permit by any local, State or federal environmental control agency?  Yes  No

List all other governmental permits or approvals necessary for this project or use, including U.S. Army Corps of Engineer' 404 and Section 10 permits, State Water Quality Certification, Department of Fish and Game 1600 agreement, etc. Attach copies of all applicable permits.

*Sacramento County*

- 3. Give the name and address of the owner of the property on which the project or use is located. Please submit a copy of your current Title Report (Grant Deed), if your proposed project includes a private residence.

*attached*

- 4. Will the project or use require issuance of a variance or conditional use permit by a city or county?

Yes  No  
Explain:

- 5. Is the project or use currently operating under an existing use permit issued by a local agency?

Yes  No  
Explain:

ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE FOR APPLICATIONS  
FOR CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMITS

Item 6

6. Describe all types of vegetation growing on the project site, including trees, brush, grass, etc.

primarily lawn & small trees

7. Describe what type of wildlife or fish may use the project site or adjoining areas for habitat, food source, nesting sites, source of water, etc.

birds & squirrels.

8. Has the Department of Fish and Game, U.S. Fish and Wildlife Service, or National Marine Fisheries Service been consulted relative to the existence of, or impacts to, threatened or endangered species on or near the project site?

Yes  No

Explain:

9. Will the project or use significantly change present uses of the project area?

Yes  No

Explain:

10. Will the project result in changes to scenic views or existing recreational opportunities?

Yes  No

Explain:

11. Will the project result in the discharge of silt or other materials into a body of water?

Yes  No

Explain:

ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE FOR APPLICATIONS  
FOR CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMITS

Item 6

12. Will the project involve the application, use, or disposal of hazardous materials?  Yes  No  
If yes, list the types of materials, proposed use, and disposal plan. Provide copies of all applicable hazardous material handling plans.

13. Will construction activities or the completed project generate significant amounts of noise?  
 Yes  No  
Explain:

14. Will construction activities or the completed project generate significant amounts of dust, ash, smoke, fumes, or odors?  
 Yes  No  
Explain:

15. Will the project activities or uses involve the burning of brush, trees, or construction materials, etc?  
 Yes  No  
Explain, and identify safety and air pollution control measures:

16. Will the project affect existing agricultural uses or result in the loss of existing agricultural lands?  
 Yes  No  
Explain:



ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE FOR APPLICATIONS  
FOR CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMITS

Item 6

17. Have any other projects similar to the proposed project been planned or completed in the same general area as the proposed project?

Yes     No

Explain and identify any other similar projects:

property next door (Lasher)

18. Will the project have the potential to encourage, facilitate, or allow additional or new growth or development?

Yes     No

Explain:

19. Will materials be excavated from the floodplain?  Yes     No    If yes, please answer the remaining questions.

**THE REMAINING QUESTIONS MUST ONLY BE ANSWERED IF THE ANSWER TO QUESTION NO. 19 WAS "YES". IF THE ANSWER TO QUESTION NO. 19 WAS "NO", YOU DO NOT NEED TO COMPLETE THE REMAINING QUESTIONS.**

A. What is the volume of material to be excavated?

Annually \_\_\_\_\_ Total \_\_\_\_\_

B. What types of materials will be excavated?

C. Will the project site include processing and stockpiling of material on site?

Yes     No

Explain:

D. What method and equipment will be used to excavate material?

ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE FOR APPLICATIONS Item 6  
FOR CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMITS

E. What is the water source for the project?

F. How will waste materials wash water, debris, and sediment be disposed of?

G. What is the proposed end land use for the project site?

H. Has a reclamation plan been prepared for this site in accordance with the Surface Mining and Reclamation Act of 1975?

Yes  No      If yes, please attach a copy.

RECORDING REQUESTED BY:  
Stewart Title of Sacramento

AND WHEN RECORDED MAIL TO:

Mr. and Mrs. Mark L. Ludwig  
5732 Coda Lane  
Carmichael, CA 95608

CERTIFIED TO BE A TRUE COPY  
RECORDED 8-1-18  
BOOK 208080 / PAGE 582  
SERIES No. \_\_\_\_\_  
STEWART TITLE OF SACRAMENTO  
BY [Signature]

THIS SPACE FOR RECORDER'S USE ONLY:

Title Order No.:  
AP#: 283-0280-035

**GRANT DEED**

Escrow No.: SO-01032895-LR

THE UNDERSIGNED GRANTOR(S) DECLARE(S)

**DOCUMENTARY TRANSFER TAX is \$2,035.00**

**Exempt from fee per GC 27388.1 (a) (2); recorded concurrently "in connection with" a transfer subject to the imposition of documentary transfer tax.**

computed on full value of property conveyed, or  
 computed on full value less value of liens or encumbrances remaining at time of sale.  
 Unincorporated area  City of **AND**

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

**Steven C. Gabaeff, Trustee, or his successors in trust, under the Steven C. Gabaeff Living Trust, dated June 2, 2016**

hereby GRANT(s) to:

**Mark Lawrence Ludwig and Debby Rogers Ludwig aka Deborah Rogers Ludwig, Trustees of the Mark Lawrence Ludwig Revocable Trust, originally dated October 30, 1998, amended April 12, 2010**

the real property in the County of Sacramento, State of California, described as:

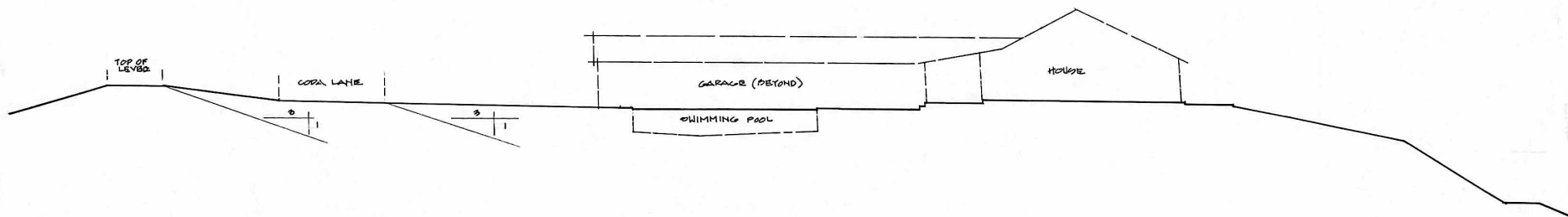
LEGAL DESCRIPTION ATTACHED HERETO AS EXHIBIT "A" AND MADE A PART HEREOF

**Also Known as: 5732 Coda Lane, Carmichael, CA 95608**

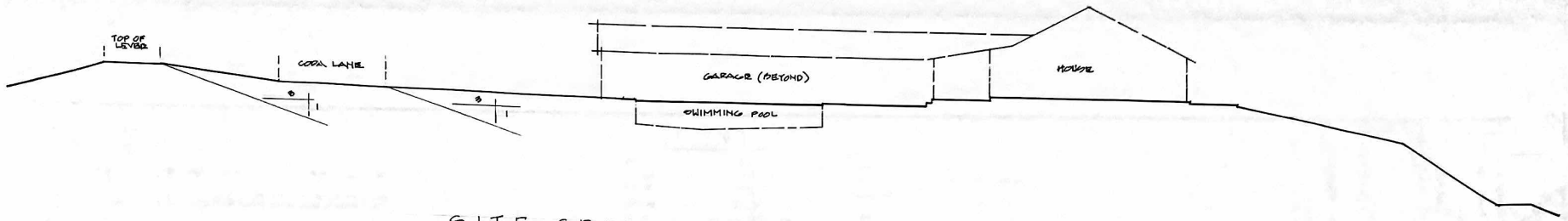
DATED: July 26, 2018

Signature Page attached hereto  
and made a part hereof

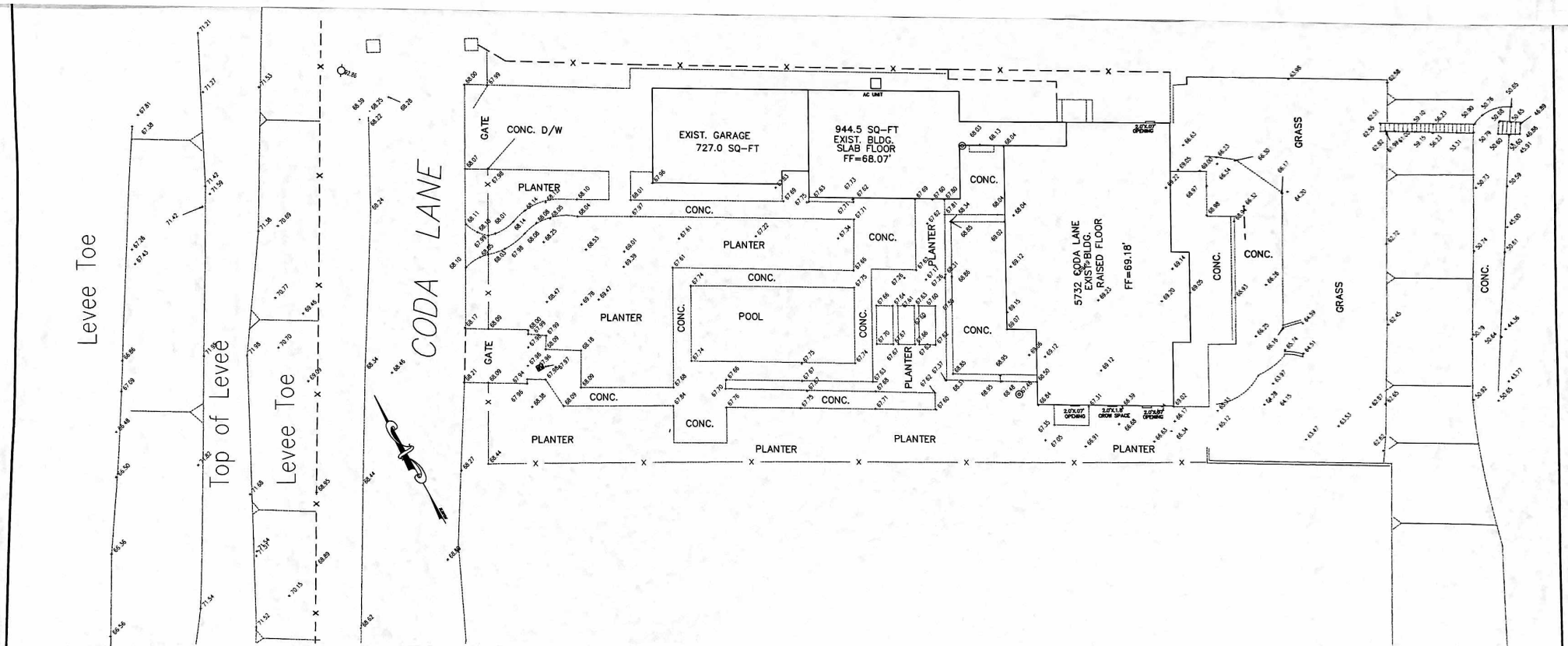
MAIL TAX STATEMENTS TO PARTY SHOWN ABOVE:



SITE CROSS-SECTION 5732 CODA LANE  
SCALE 1" = 10'-0" (HORIZ. & VERT.)



SITE CROSS-SECTION 5732 CODA LANE  
SCALE 1" = 10'-0" (HORIZ. & VERT.)



BENCHMARK ELEV. 118.17  
 MAKE: 7/8" METAL DISC STAMPED "CO  
 IN 1/8" 105" LOCATED IN TOP OF CURB  
 CENTER OF CURB RETURN SOUTHWEST  
 CORNER OF GARFIELD AVE. & ROBERTSON  
 AVE.  
 FIELD BOOK NO. PG.

**JTS ENGINEERING CONSULTANTS, INC.**  
 1808 J STREET  
 SACRAMENTO CALIFORNIA 95811 (916) 441-8708

DESIGNED: N/A  
 DRAWN:  
 CHECKED:  
 SUBMITTED: RCE/LS  
 SCALE: 1"=10'

NO	DATE	REVISION	APPROVAL	BY

TOPOGRAPHIC SURVEY  
**5732 CODA LANE**  
 Page 10  
 COUNTY OF SACRAMENTO  
 APN: 283-0280-035

DATE: AUG. 2019  
 SHEET 1 OF 1

# A GEREMIA POOL FOR

NAME: LUDWIG RESIDENCE  
 JOB ADDRESS: 5732 CODA LANE  
 CITY: CARMICHAEL CA 95608  
 RES. PH. \_\_\_\_\_ CELL PH. \_\_\_\_\_  
 BLDG. DEPT. SAC AP. \_\_\_\_\_  
 DESIGNER: MIKE BUTLER DATE: 11-10-18

**GENERAL SPECIFICATIONS**  
 1. POOL SHAPE: RECTANGLE GALLONS: 24,767  
 2. SIZE: 17' x 37' DEPTH: 3'-7 1/2"  
 3. SURFACE AREA: 629 SQ. FT. PERIMETER: 108' LF.

**EXCAVATION**  
 4. WIDTH: 8' TRACTOR SIZE: 7'  
 5. FENCE: \_\_\_\_\_ SECTIONS REMOVED BY: \_\_\_\_\_  
 6. FENCE: \_\_\_\_\_ SECTIONS REPLACED BY: \_\_\_\_\_  
 7. SITE PREP: 3 CONC. REM: 240  
 8. DEBRIS REMOVAL: LAWN  
 9. MISC: \_\_\_\_\_

**STEEL AND SHOTCRETE**  
 10. SCHEDULE: NORMAL SURCHARGE: NO  
 11. SHALLOW END STEPS: 5B' SWIM OUT: 1  
 12. \_\_\_\_\_  
 13. \_\_\_\_\_

**PLUMBING**  
 14. GAS LINE: NO LF. OF: \_\_\_\_\_ OTHER: \_\_\_\_\_  
 15. \_\_\_\_\_  
 16. FILL LINE: 77 LF. 3/4" AUTO FILL: YES  
 17. \_\_\_\_\_  
 18. \_\_\_\_\_

**ELECTRICAL**  
 19. CONTROLS: EASY TOUCH #4  
 20. REMOTE: PENTAIR QUICK TOUCH #4  
 21. UNDERWATER LIGHTING: \_\_\_\_\_

**EQUIPMENT**  
 22. FILTER: STARITE SYSTEM #3-450  
 23. FILTER PUMP: INTELLI PRO VSP  
 24. DOUBLE MAIN DRAINS W/ HYDROSTATIC RELIEF TUBE  
 25. SPONGER: 1 ADD. RETURN: 3  
 26. CLEANING SYSTEM: PENTAIR RACER

27. HEATER: \_\_\_\_\_  
 28. POOL COVER: \_\_\_\_\_  
 29. PURIFICATION SYSTEM: \_\_\_\_\_  
 30. \_\_\_\_\_  
 31. \_\_\_\_\_  
 32. \_\_\_\_\_  
 33. BOOSTER PUMP: \_\_\_\_\_

**TILE**  
 34. 1 ROW AT WATERLINE: STD.  
 35. GROUT COLOR: TBS STEP TILE: 5G  
 36. ADDL. TILE: \_\_\_\_\_

**MASONRY**  
 37. COPING: \_\_\_\_\_  
 38. \_\_\_\_\_  
 39. \_\_\_\_\_  
 40. \_\_\_\_\_  
 41. \_\_\_\_\_  
 42. GROUT COLOR: \_\_\_\_\_

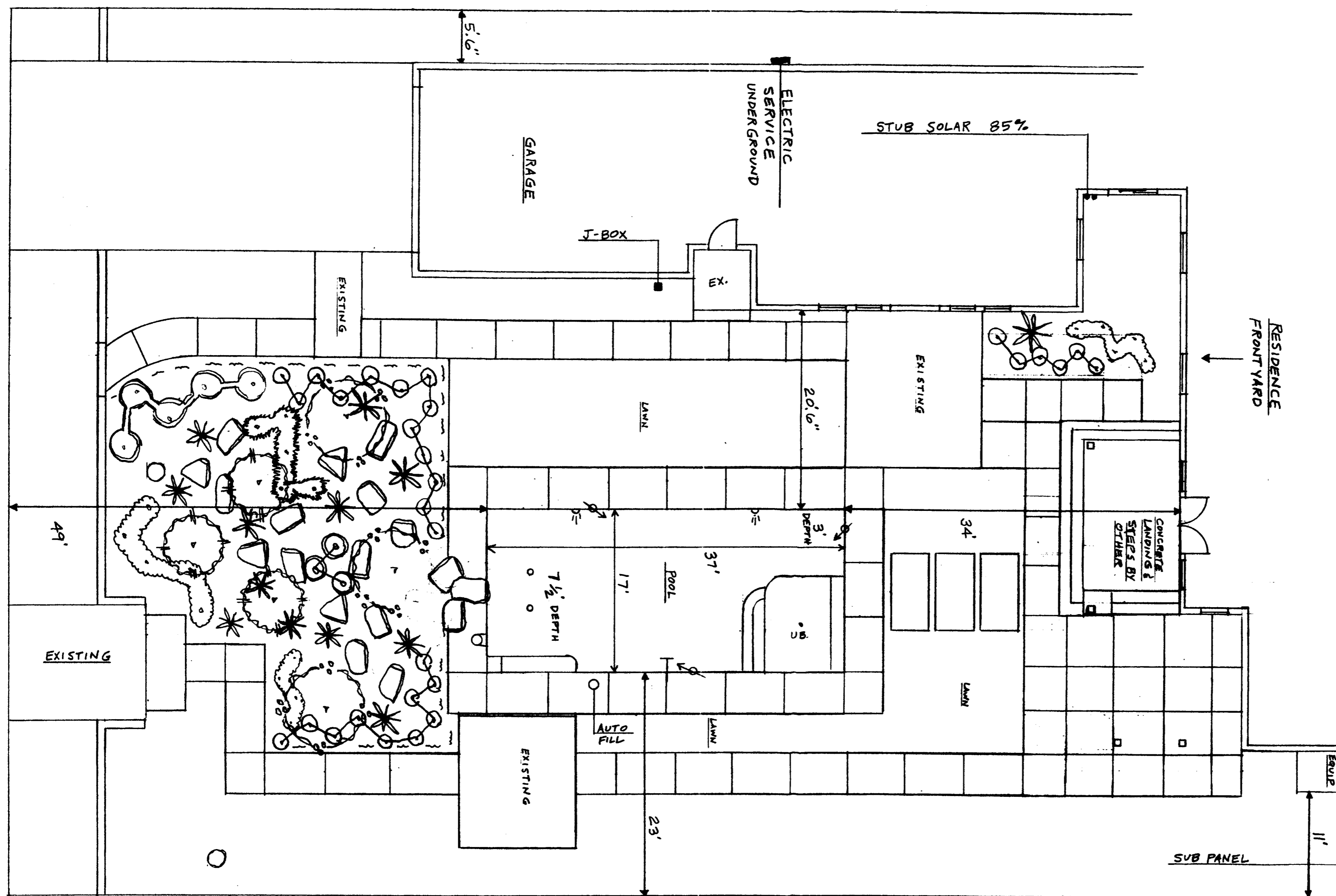
**DECKING**  
 43. 1870 SQ. FT. OF: BROOM FINISH  
 44. CONCRETE BASE COLOR: \_\_\_\_\_  
 45. STAMPED RELEASE COLOR: \_\_\_\_\_  
 46. STAMPED PATTERN: \_\_\_\_\_  
 47. BRUSHED CANTILEVER: YES  
 48. LID COLOR: \_\_\_\_\_ TILE STRIP: \_\_\_\_\_  
 49. FOUR LIDS: \_\_\_\_\_  
 50. CHANNEL DRAIN: 2" LF 16'  
 51. RISERS: \_\_\_\_\_

**SPA**  
 52. SURFACE AREA: \_\_\_\_\_ PERIMETER: \_\_\_\_\_ LF.  
 53. THERAPY JETS: \_\_\_\_\_ TYPE: \_\_\_\_\_  
 54. BOOSTER PUMP: \_\_\_\_\_  
 55. LIGHT: \_\_\_\_\_ COVER: \_\_\_\_\_  
 56. SPA SIDE CONTROL: \_\_\_\_\_

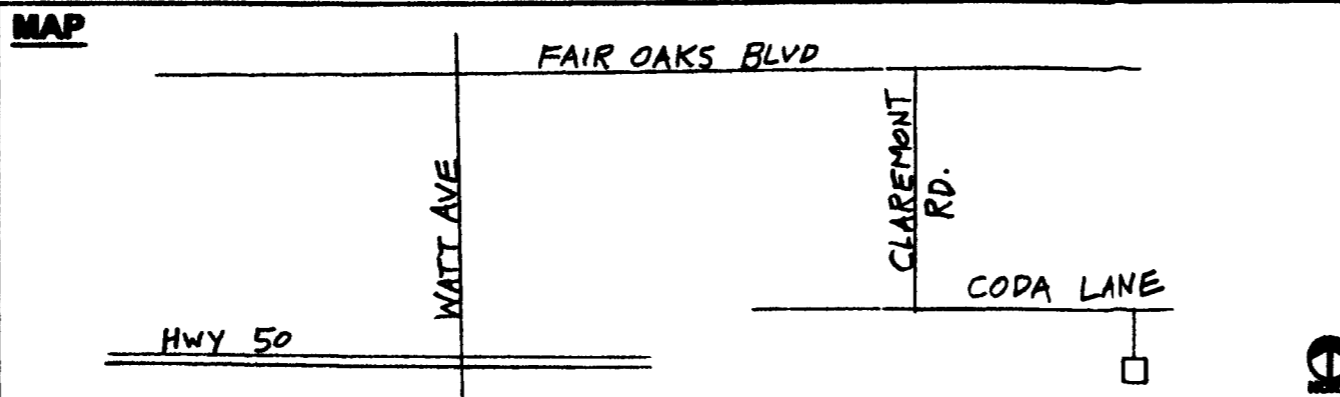
**INTERIOR FINISH**  
 57. TYPE: HYDRAZZO BELLA  
 58. COLOR: AZURE  
 59. \_\_\_\_\_  
 60. LOGO TILE: \_\_\_\_\_  
 61. COLOR OF MAIN DRAIN FITTINGS: TBS

**SOLAR**  
 62. TYPE: FAFCO SUNSAVER COVERAGE: 85%  
 63. BOOSTER PUMP: \_\_\_\_\_  
 64. PLUMBING: 90' RUN

**MISC.**  
 65. MOSS ROCK BOULDER BUILT INTO LANDSCAPE COST.  
 66. \_\_\_\_\_  
 67. (\*18 BOULDERS = 9-TON)  
 68. \_\_\_\_\_  
 69. \_\_\_\_\_  
 70. \_\_\_\_\_  
 71. 1-UMBRELLA SLEEVE



**POOL PLAN**  
 SCALE: 1/8" = 1'-0"  
 UNLESS OTHERWISE NOTED

**BUYER'S RESPONSIBILITIES:**

- WET DOWN SHOTCRETE A MINIMUM OF TWICE A DAY FOR 7 DAYS.
- FENCES TO MEET LOCAL CODES: GATES TO BE SELF-CLOSING AND SELF-LATCHING.
- DO NOT TURN POOL LIGHT ON WHEN POOL IS EMPTY.
- FILL POOL WITH WATER (PER CONTRACT).
- BRUSH DOWN PLASTER WHEN POOL IS FILLED A MINIMUM OF TWICE A DAY FOR 10 DAYS.
- CLEAN FILTER ONCE ALL PLASTER DUST IS REMOVED.
- DRAINAGE AND GRADING OF SOIL BEYOND POOL SITE UNLESS PROVIDED FOR BY CONTRACT.
- INSTALL DOOR ALARMS ON ALL EXITS TO POOL AREA WHICH MEET OR EXCEED BARBER CODE REQUIREMENTS.

I HEREBY APPROVE THIS PLAN LOCATION, ELEVATION, AND SHAPE AND AGREE NO VERBAL AGREEMENTS HAVE BEEN MADE OTHER THAN THOSE SPECIFIED IN THE CONTRACT, IN WRITING.

BUYER'S SIGNATURE \_\_\_\_\_  
 BUYER'S SIGNATURE \_\_\_\_\_  
 DATE: \_\_\_\_\_

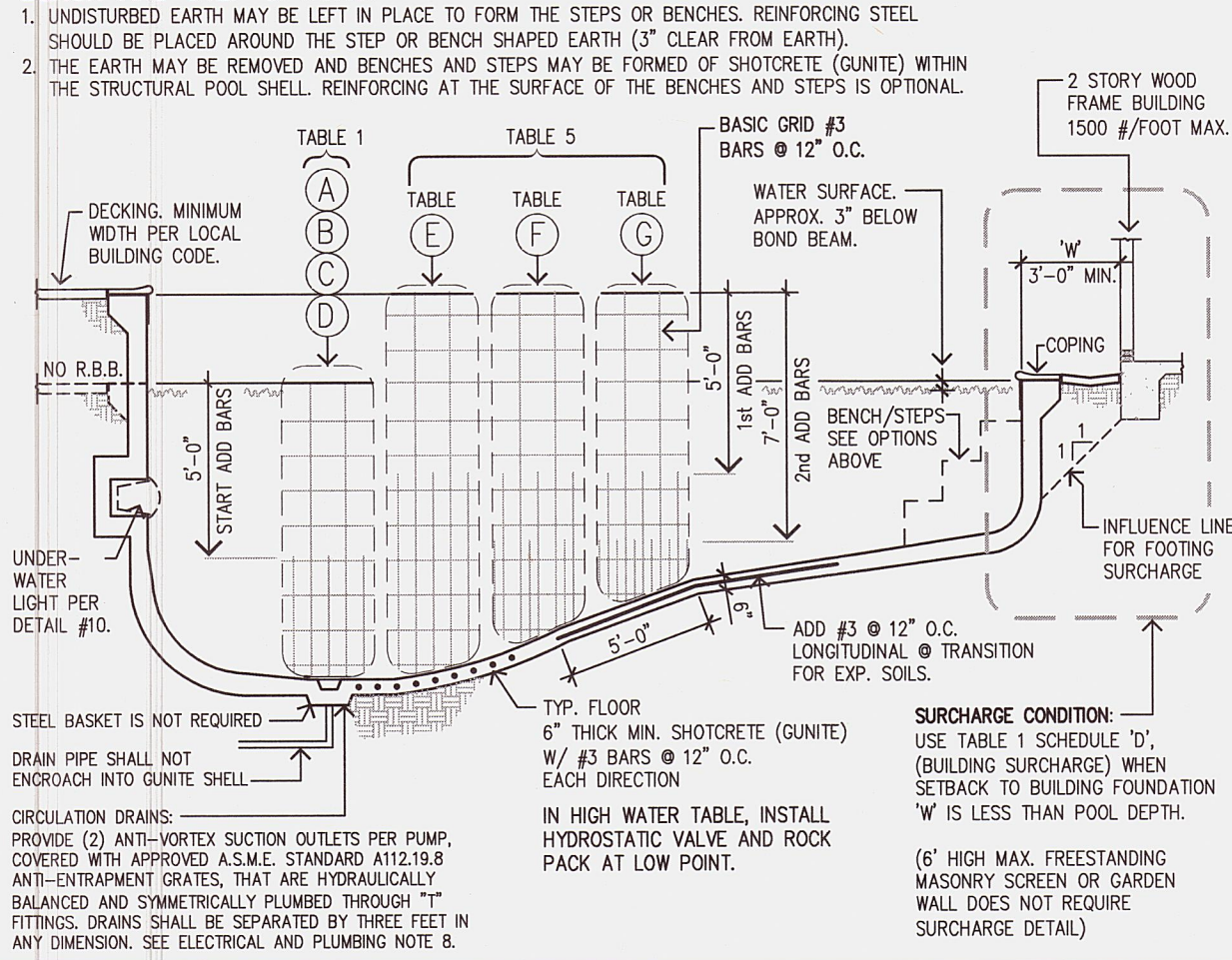


7801 14TH AVENUE  
 SACRAMENTO, CA 95826  
 PH: (916) 914-7800  
 FAX: (916) 914-7834  
 (909) 489-9444  
 (209) 365-1330  
 WWW.GEREMIAPOOLS.COM

MEMBER MASTER POOLS GUILD  
 CONTRACTOR LICENSE NO. 191888  
 LICENSED ENGINEERING CONTRACTORS



BENCH AND STEP OPTIONS:



SLOPE EARTH SURFACE 1/4" PER FOOT OR SLOPE DECKING 1/8" TO 1/4" PER FOOT AWAY FROM POOL.

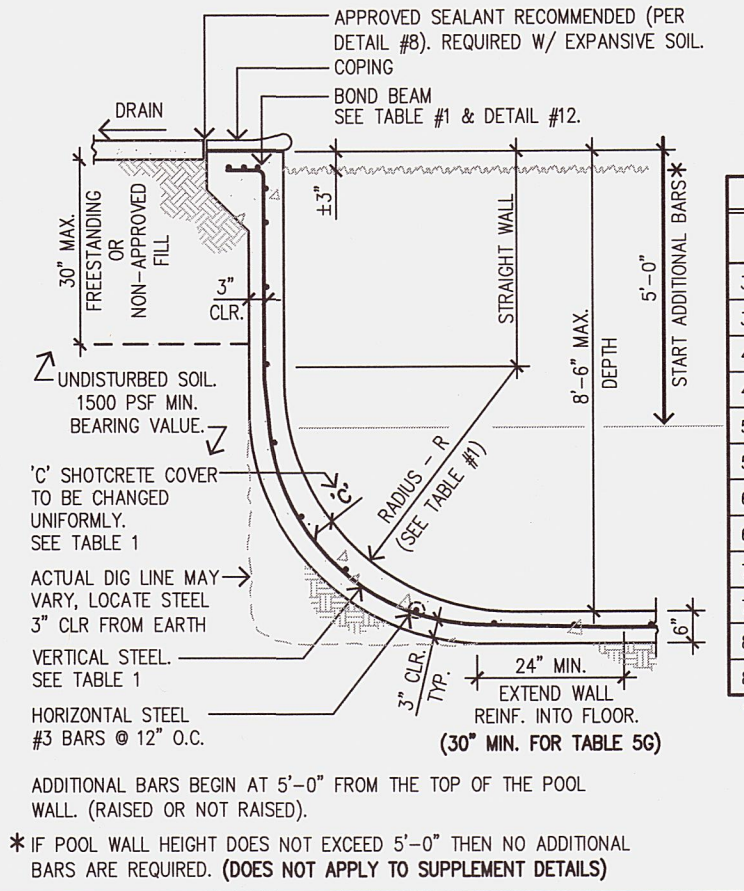


TABLE NO. 1: Reinforcement tables for non-expansive, expansive, and no deck/high exp. conditions. Includes columns for E.F.P., D, R, C, and various bar sizes.

GENERAL NOTES

- 1. THIS STANDARD POOL STRUCTURAL PLAN MUST BE ACCOMPANIED BY A CLEAR PLOT PLAN SHOWING PLOT & OR SPA SHAPE, DEPTH AND DISTANCE TO PROPERTY LINE, SLOPES AND STRUCTURES.
2. REPRESENTATIVES OF POOL ENGINEERING INC. HAVE NOT INSPECTED THE SITE & ARE RELYING ON INFORMATION PROVIDED BY THE CONTRACTOR OR OWNER TO DETERMINE THE ADEQUACY OF THIS STANDARD POOL STRUCTURAL PLAN FOR THE ACTUAL SITE CONDITIONS.

GLAZING IN HAZARDOUS LOCATIONS

- WHEN REQUIRED BY THE BUILDING OFFICIAL, GLAZING SHALL COMPLY WITH THE CBC SECTION 2406.4, INCLUDING LOCALLY ADOPTED AMENDMENTS.
1. GLAZING IN WALLS AND FENCES USED AS A BARRIER SHALL BE SAFETY GLAZING WHEN ALL OF THE FOLLOWING CONDITIONS ARE PRESENT:

CONSTRUCTION SHOTCRETE INSPECTION

WHERE REQUIRED ALL PNEUMATIC CONCRETE PLACEMENT SHALL BE INSPECTED BY A SPECIAL INSPECTOR IN CONFORMANCE WITH CBC SECTION 1704, WHO SHALL SUBMIT A STATEMENT INDICATING COMPLIANCE WITH THE PLANS AND SPECIFICATIONS.

DETAIL 24

- 1. PUMPS SHALL BE SIZED PER SECTION 1506(a) OF THE 2016 BUILDING ENERGY EFFICIENCY STANDARDS.
2. MANDATORY REQUIREMENTS FOR POOL & SPA HEATING SYSTEMS & EQUIPMENT:
1.1. SYSTEM IS CERTIFIED WITH THERMAL EFFICIENCY THAT COMPLIES WITH THE APPLIANCE EFFICIENCY REGULATIONS, READILY ACCESSIBLE ON-OFF SWITCH, WEATHERPROOF OPERATING INSTRUCTIONS ON ENERGY EFFICIENT OPERATIONS, NO ELECTRIC RESISTANCE HEATING AND NO PILOT LIGHT.

FENCING AND BARRIERS

- 1. PRIOR TO FILLING, THE POOL AND OR SPA SHALL BE COMPLETELY ENCLOSED BY 5' MIN. HIGH FENCING & GATES WITH NO OPENINGS GREATER THAN 4". GATES TO BE SELF-CLOSING & SELF-LATCHING WITH LATCH A MIN. OF 5" HIGH. ACCESS GATES THROUGH FENCING SHALL OPEN AWAY FROM THE POOL. MAXIMUM VERTICAL CLEARANCE FROM GROUND TO POOL FENCING SHALL NOT EXCEED 2 INCHES, WHERE THIS VARIES FROM LOCAL CODES, THE LOCAL CODES SHALL PREVAIL.

CITY OF FREMONT SPECIAL NOTES

- THESE NOTES ARE ONLY APPLICABLE IN THE CITY OF FREMONT.
1. SEPARATE GRADING PERMIT IS REQUIRED FOR SWIMMING POOL INSTALLATION AT SLOPED SITE. GRADING PLAN SHALL BE PREPARED, STAMPED AND SIGNED BY A LICENSED CIVIL ENGINEER IN THE STATE OF CALIFORNIA.

CITY OF ROCKLIN SPECIAL NOTES

- THESE NOTES ARE ONLY APPLICABLE IN THE CITY OF ROCKLIN.
1. IN THE ABSENCE OF A SITE SPECIFIC SOILS INVESTIGATION, SWIMMING POOL AND SPA CONSTRUCTION SHALL CONFORM TO STANDARD POOL STRUCTURAL PLAN STEEL AND GUNITE SCHEDULES FOR HIGH EXPANSIVE SOIL WITH A MINIMUM SOIL EQUIVALENT FLUID PRESSURE OF 65 P.C.F. (SCHEDULES C AND G).

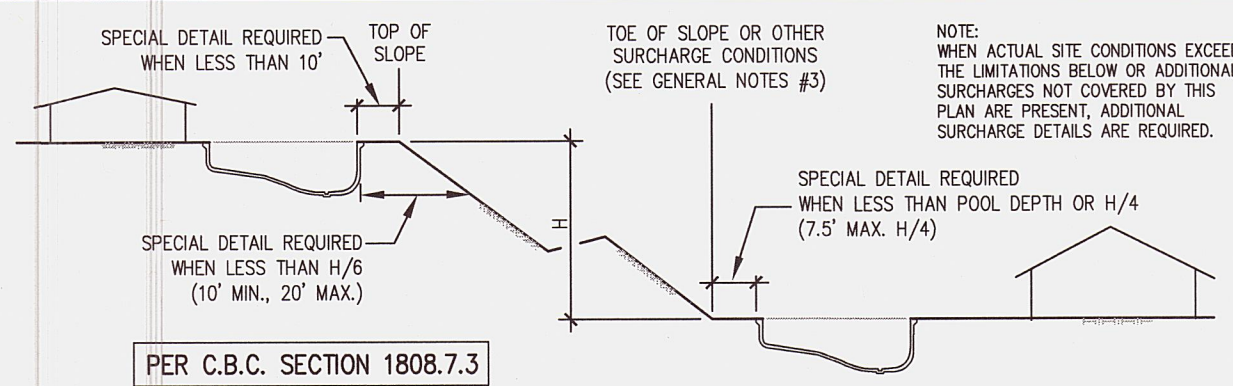
CITY OF SAN JOSE SPECIAL NOTES

- THESE NOTES ARE ONLY APPLICABLE IN THE CITY OF SAN JOSE.
1. ENGINEER TO SPECIFY TABLES AND DETAILS THAT APPLY TO A SPECIFIC JOB BY ONE OF THE FOLLOWING METHODS:
A. A SITE PLAN STAMPED AND SIGNED BY THE ENGINEER REFERRING TO THE APPROPRIATE DETAILS AND SCHEDULES.
B. A LETTER STAMPED AND SIGNED PROVIDING THE SAME INFORMATION.
C. A STANDARD POOL PLAN WITH THE ADDRESS WRITTEN IN BY THE ENGINEER ALSO IDENTIFYING SCHEDULES AND DETAILS.

CITY OF MANTECA SPECIAL NOTES

- NO FILL OR OTHER SURCHARGE LOADS SHALL BE PLACED ADJACENT TO ANY BUILDING OR STRUCTURE UNLESS SUCH BUILDING OR STRUCTURE IS CAPABLE OF WITHSTANDING THE ADDITIONAL LOADS CAUSED BY THE FILL OR THE SURCHARGE. EXISTING FOOTINGS OF FOUNDATIONS THAT WILL BE AFFECTED BY ANY EXCAVATION SHALL BE UNDERPINNED OR OTHERWISE PROTECTED AGAINST SETTLEMENT AND SHALL BE PROTECTED AGAINST DETRIMENTAL LATERAL OR VERTICAL MOVEMENT OR BOTH.

TYPICAL LONGITUDINAL SECTION



STANDARD WALL SECTION

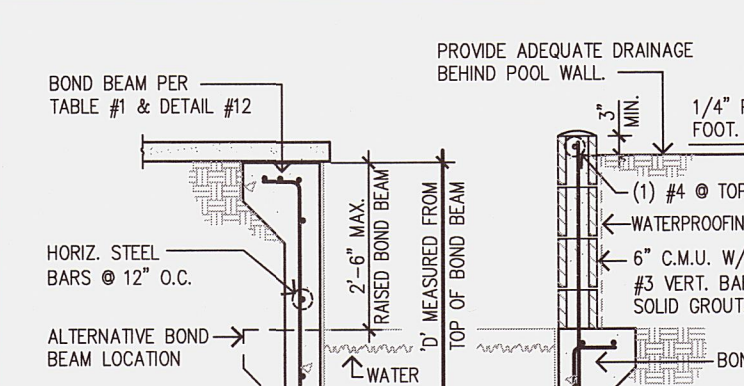
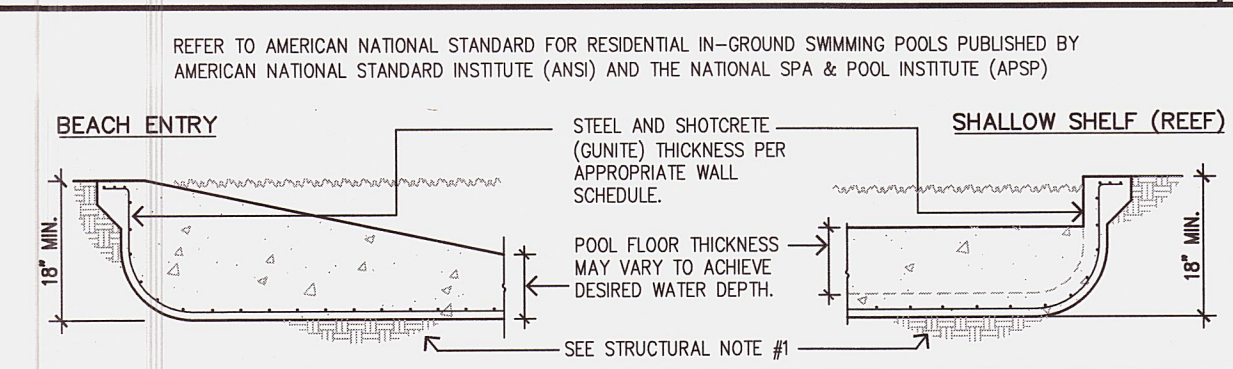


TABLE NO. 5 RAISED BOND BEAM

Table with 3 columns: E.F.P., 30 P.C.F., 45 P.C.F., 65 P.C.F. and 3 rows: D, R, C. Lists reinforcement requirements for different soil conditions.

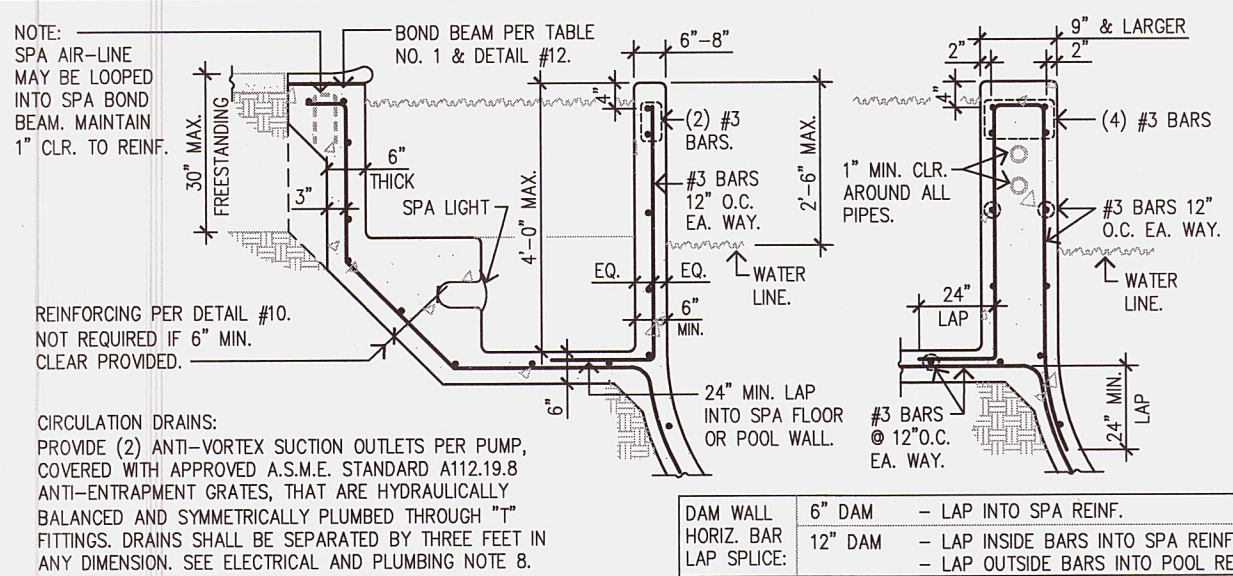
SURCHARGE CONDITIONS - ADDITIONAL SPECIAL DETAILS REQUIRED FOR CONDITIONS ABOVE



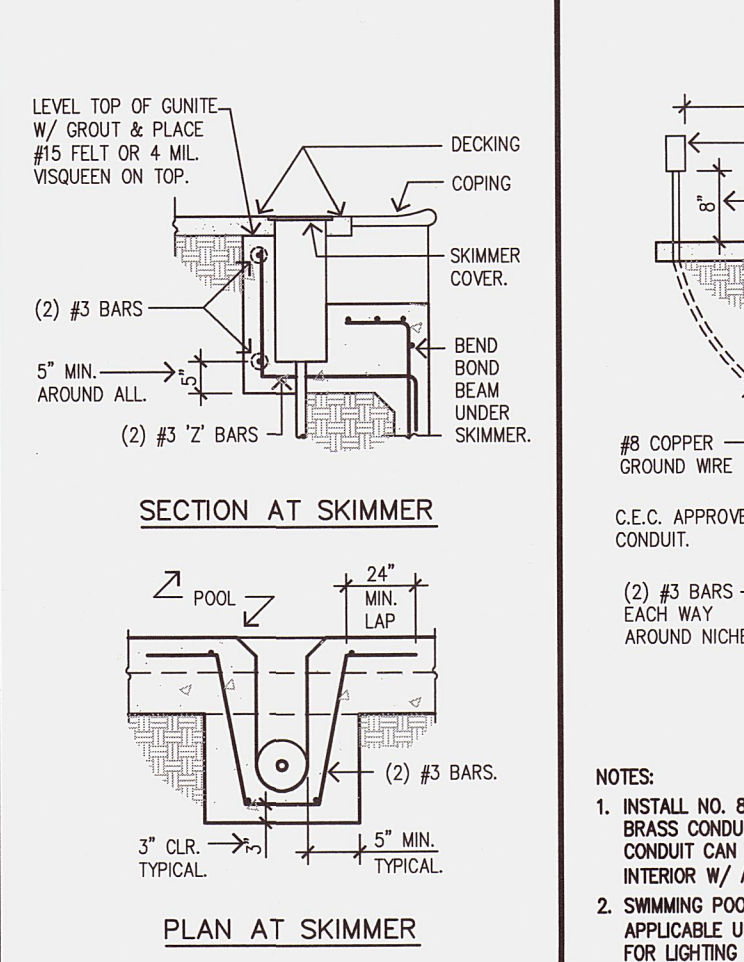
MASONRY NOTES:

- 1. CONCRETE BLOCK SHALL BE GRADE N (EXPOSED TO WEATHER), TYPE II (NON-MOISTURE CONTROLLED), NORMAL WEIGHT UNITS (135 P.S.F.), CONFORMING TO CBC/IBC SEC. 2103, AND ASTM C 90. ALL CONCRETE BLOCK SHALL HAVE A DESIGN STRENGTH OF f'm = 1500 PSI.
2. GROUT SHALL CONFORM TO CBC/IBC SEC. 2103 & ASTM C 476 WITH f\_c = 2000 PSI. SEE CBC/IBC TABLE 2103.12 FOR PROPORTIONS OF INGREDIENTS.
3. MORTAR SHALL BE TYPE M WITH f\_c = 1800 PSI AND SHALL CONFORM TO CBC/IBC SEC. 2103 & ASTM C 270. SEE CBC/IBC TABLES 2103.8(1),(2) FOR PROPORTION AND PROPERTY SPECIFICATIONS.

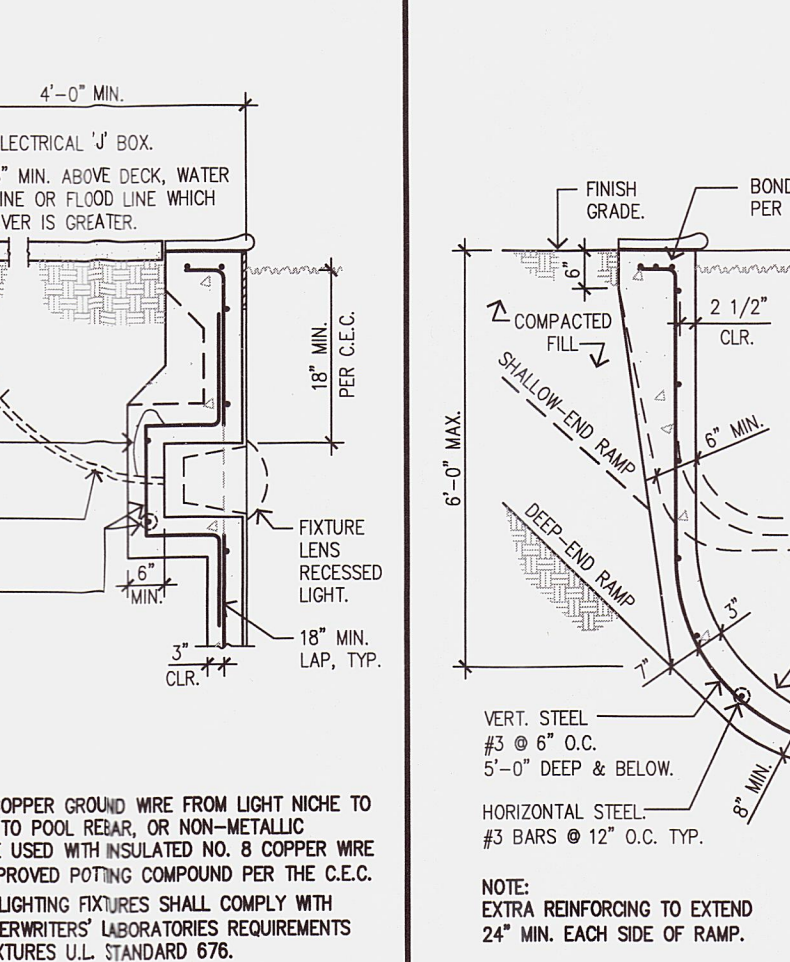
SHALLOW FEATURES - MAINTAIN 18" MIN. EMBEDMENT INTO UNDISTURBED OR 90% COMPACTED SOIL



RAISED BOND BEAM



SECTION AT LIGHT

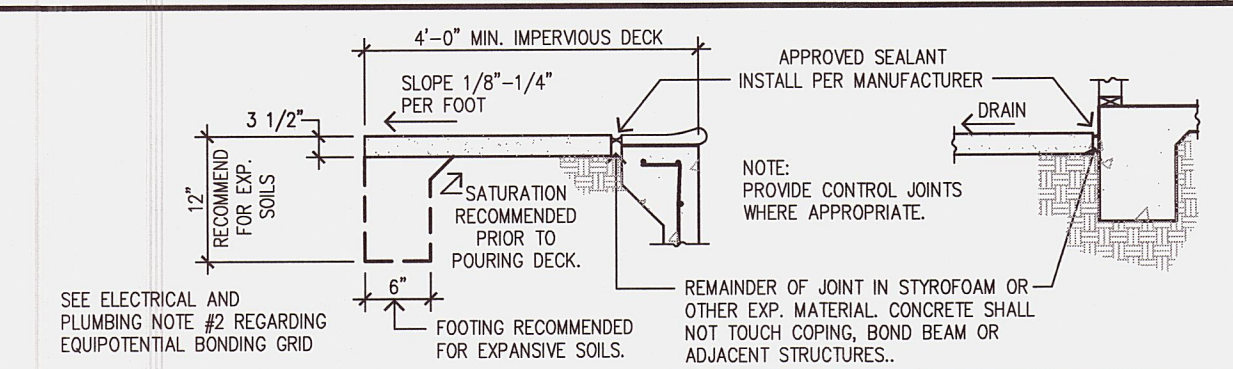


STRUCTURAL NOTES

- 1. SOIL SHALL HAVE A MINIMUM BEARING VALUE OF 1500 PSF. CONCRETE SHALL BE PLACED AGAINST UNDISTURBED SOIL OR BUILDING DEPARTMENT APPROVED 90% COMPACT FILL. THIS PLAN IS NOT SUITABLE WHERE POTENTIAL EXISTS FOR DIFFERENTIAL MOVEMENT FROM DISSIMILAR SOIL CONDITIONS UNDER POOL, SUCH AS CUT-FILL TRANSITIONS.
2. ALL REINFORCING STEEL SHALL BE DEFORMED BARS & CONFORM TO ASTM A615 GRADE 40 FOR #3 BARS AND #4 BARS. SPLICES TO BE LAPPED A MINIMUM OF 24". MINIMUM CLEARANCE BETWEEN PARALLEL BARS IS 2 1/2".

NOTES BY THE USE OF THIS PLAN, THE USER ACKNOWLEDGES THAT HE HAS READ & UNDERSTANDS ALL OF THE NOTES INCLUDED HEREIN.

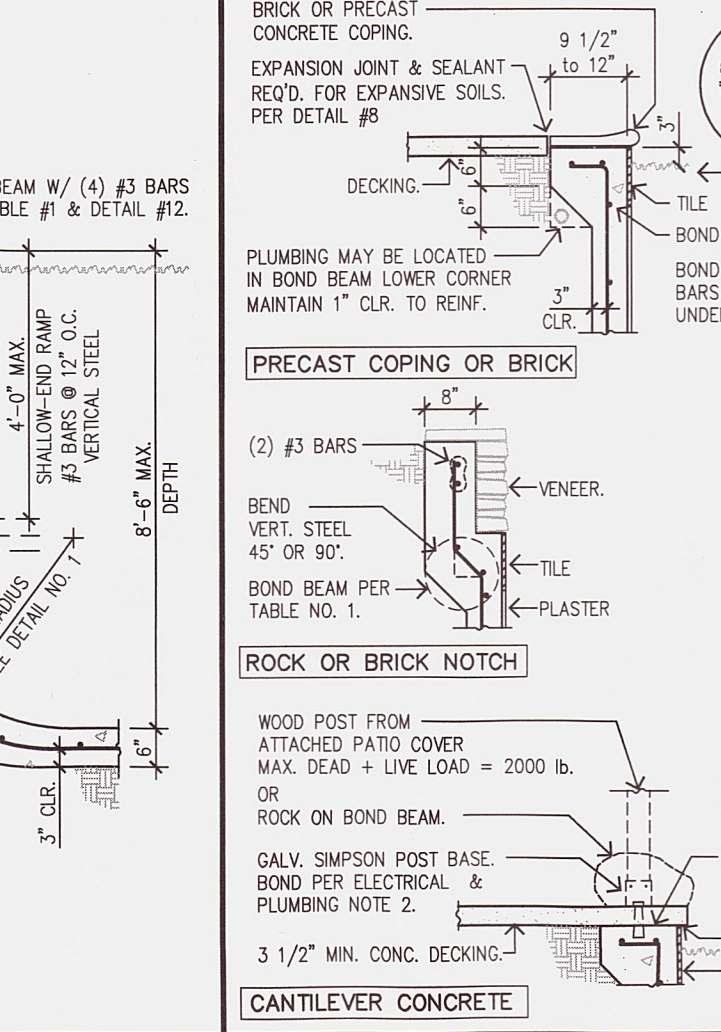
SPA DETAILS - SPA DETAILS MAY BE USED FOR SPAS WITHOUT POOLS.



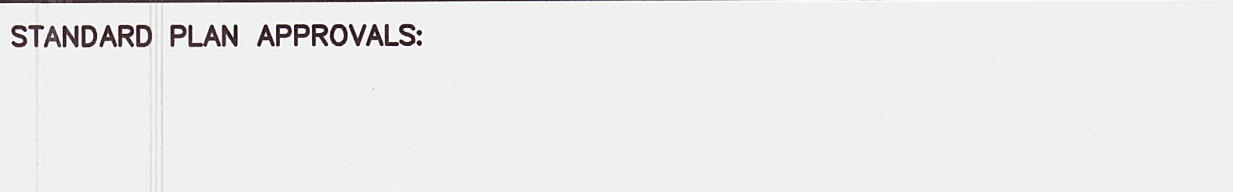
SKIMMER DETAIL



SECTION AT RAMP

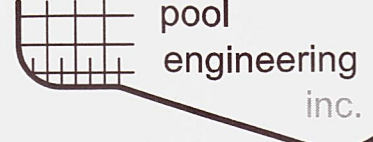


EXPANSIVE SOIL DETAILS



Professional Engineer seal for Ron Lacher, R.C.E., State of California, License No. C74003. Includes project information and signatures.

STANDARD POOL STRUCTURAL PLAN



PREPARED IN ACCORDANCE WITH THE 2016 CALIFORNIA BUILDING CODE (2015 INTERNATIONAL BUILDING CODE) Ron Lacher, R.C.E. 1201 N. Tustin Ave. Anaheim, California 92807 Fax: (714) 630-6114 Phone: (714) 630-6100

100 Page 12



## American River Flood Control District Ground Penetrating Radar – Subtronics Contracts

### Staff Report

#### **Discussion:**

The District has been working with the State of California Department of Water Resources through their Deferred Maintenance Project (DMP) grants to inspect eligible levee pipes within the District. Part of the effort entails making a determination on the status of numerous 'not found' pipes within the State's database. Initially there were approximately 100 not found pipes within the District, but consultants with Mead & Hunt Engineers reviewed as-built levee plans to determine that a portion of the pipes were removed by past levee construction or were not found during levee excavations. The remaining locations of 'not found' pipes are eligible for grant funding to be examined through Ground Penetrating Radar (GPR) to see if some feature or evidence exists underground that could be the suspected levee pipe.

The materials for this agenda item include a contract to perform GPR on 51 locations of 'not found' pipes within the District. The costs for this work are to be reimbursed by the State under the DMP grant program.

This item also includes two additional GPR contracts to investigate other areas of concern for the District. They include:

1. The seepage site witnessed at the confluence of the Arcade Creek North Levee and the NEMDC East Levee in 2017 and 2019
2. The sinkhole that developed on the American River South Levee at H Street in 2019

The GPR information for both of these sites will yield valuable information for engineers studying the sites at the request of the District.

#### **Recommendation:**

The General Manager recommends that the Board of Trustees approve the contracts for Ground Penetrating Radar with Subtronics.



# Subtronic Corporation

# Estimate

Ph: (925) 228-8771  
5031 Blum Rd, #2

Estimate # **30659**

Date of Estimate 9/27/2019

**BILL TO:**

American River Flood Control District  
185 Commerce Circle  
Sacramento, CA 95815

<b>ESTIMATE TO:</b>	<b>P.O. #:</b>	

<b>SURVEYOR</b>	<b>JOB DATE</b>	<b>DAY</b>	<b>TIME</b>	<b>TERMS</b>
				<b>Credit Card</b>

<b>DESCRIPTION</b>	<b>QTY</b>	<b>COST</b>	<b>TOTAL</b>
<p>Estimates up to \$1,000 require 50% deposit, \$1,000 and over require 25% deposit. Deposit is due when the Estimate is accepted, work will be scheduled when deposit is received. We accept Credit Cards and Cash, check payment are accepted but will require 3 days for processing.</p> <p>PROJECT LOCATION: Multiple locations Sacramento, CA</p> <p>AREA OF SURVEY: The area of survey is defined by information received September 12, 2019 regarding the location of levee penetrations at 51 locations, see attached drawings. The typical length of the survey along the levee will be 100'.</p> <p>SCOPE OF SURVEY: We will endeavor to locate levee penetrations in the areas indicated, but for technical reasons cannot guarantee to do so, some may simply not exist, others may be made of a material that is not detectable using geophysical instruments and the existing ground conditions.</p> <p>METHODOLOGY: Location of pipes will be by electromagnetic field induction and or magnetometry. Ground Penetrating Radar will also be used.</p>		0.00	0.00

*Signature*

**Date**

**TOTAL**

# Subtronic Corporation

# Estimate

Ph: (925) 228-8771  
5031 Blum Rd, #2

Estimate # **30659**

Date of Estimate 9/27/2019

**BILL TO:**

American River Flood Control District  
185 Commerce Circle  
Sacramento, CA 95815

<b>ESTIMATE TO:</b>	<b>P.O. #:</b>	

<b>SURVEYOR</b>	<b>JOB DATE</b>	<b>DAY</b>	<b>TIME</b>	<b>TERMS</b>
				<b>Credit Card</b>

<b>DESCRIPTION</b>	<b>QTY</b>	<b>COST</b>	<b>TOTAL</b>
<p>INCLUSIONS: Metallic and some non metallic levee penetrations detectable with GPR.</p> <p>DEPTHS of pipes will be provided where possible. Instrument readings are deemed within 10% accuracy. Critical depths may require potholing (not included in this proposal, but available on request).</p> <p>ASSUMPTIONS:</p> <ol style="list-style-type: none"> <li>1. We assume access will be granted to all places requiring admission for the purpose of tracking and identifying the penetrations.</li> <li>2. We assume that any existing utility drawings will be made available.</li> <li>3. We assume Underground Service Alert will be notified prior to any future excavation.</li> <li>4. We assume penetration locations (lat &amp; long) will be provided prior to departure.</li> <li>5. Unless noted otherwise we assume this is a prevailing wage project and we are not obligated to a project labor agreement.</li> </ol>			

*Signature*

*Date*

**TOTAL**

# Subtronic Corporation

# Estimate

Ph: (925) 228-8771  
5031 Blum Rd, #2

Estimate # **30659**

Date of Estimate 9/27/2019

**BILL TO:**

American River Flood Control District  
185 Commerce Circle  
Sacramento, CA 95815

<b>ESTIMATE TO:</b>	<b>P.O. #:</b>	

<b>SURVEYOR</b>	<b>JOB DATE</b>	<b>DAY</b>	<b>TIME</b>	<b>TERMS</b>
				<b>Credit Card</b>

<b>DESCRIPTION</b>	<b>QTY</b>	<b>COST</b>	<b>TOTAL</b>
<p><b>PRESENTATION:</b> The penetrations will be marked on the ground with spray paint and their lat, long recorded. A report (table) listing the results and locations will be issued approximately 2 days after the completion of site work.</p> <p><b>COMPENSATION:</b> For work performed as described above including equipment, personnel and travel costs for the sum of: Geophysical Survey, 2 man crew, per day</p> <p><b>PREVAILING WAGE:</b> State &amp; Federal prevailing wage rates apply to all public works contracts as set forth in Labor Code Sections 1720, 1720.2, 1720.3, 1720.4, 771. and DAVIS-BACON ACT Title 40 U.S.C. If the work is performed over a number of years an increase in the quoted fees of 3% per annum will be applied.</p> <p>This estimate is good for 60 days.</p>	15	2,520.00	37,800.00

*Signature*

*Date*

**TOTAL**

# Subtronic Corporation

# Estimate

Ph: (925) 228-8771  
5031 Blum Rd, #2

Estimate # **30659**

Date of Estimate 9/27/2019

**BILL TO:**

American River Flood Control District  
185 Commerce Circle  
Sacramento, CA 95815

<b>ESTIMATE TO:</b>	<b>P.O. #:</b>	

<b>SURVEYOR</b>	<b>JOB DATE</b>	<b>DAY</b>	<b>TIME</b>	<b>TERMS</b>
				<b>Credit Card</b>

<b>DESCRIPTION</b>	<b>QTY</b>	<b>COST</b>	<b>TOTAL</b>
Insurance Coverage: General Liability: \$2,000,000 per occurrence \$ 4,000,000 aggregate Excess/Umbrella Liability: \$5,000,000 Worker's Comp: \$1,000,000 Employer's Liability Professional Liability: \$1,000,000 per claim \$2,000,000 annl aggr. Automobile:\$1,000,000 Combined Single Limit			

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

<b>TOTAL</b>	<b>\$37,800.00</b>
--------------	--------------------

*This quotation is subject to our Specification and Standard Conditions of Contract.  
CA License # 940232*

# Subtronic Corporation

# Estimate

Ph: (925) 228-8771  
5031 Blum Rd, #2

Estimate # **30676**

Date of Estimate 9/27/2019

**BILL TO:**

American River Flood Control District  
185 Commerce Circle  
Sacramento, CA 95815

<b>ESTIMATE TO:</b>	<b>P.O. #:</b>	

<b>SURVEYOR</b>	<b>JOB DATE</b>	<b>DAY</b>	<b>TIME</b>	<b>TERMS</b>
				<b>Credit Card</b>

<b>DESCRIPTION</b>	<b>QTY</b>	<b>COST</b>	<b>TOTAL</b>
<p>Estimates up to \$1,000 require 50% deposit, \$1,000 and over require 25% deposit. Deposit is due when the Estimate is accepted, work will be scheduled when deposit is received. We accept Credit Cards and Cash, check payment are accepted but will require 3 days for processing.</p> <p>PROJECT LOCATION: Location # 2 Arcade Creek site Sacramento, CA</p> <p>AREA OF SURVEY: The area of survey is defined by information received September 12, 2019 regarding the location of underground utilities at above address see attached drawings</p> <p>SCOPE OF SURVEY: We will endeavor to locate underground utilities in the areas indicated, but for technical reasons cannot guarantee to do so, some short lengths of abandoned utilities may not be located.</p> <p>METHODOLOGY: Location of utilities will be by electromagnetic field induction. Ground Penetrating Radar will also be used.</p>		0.00	0.00

*Signature*

**Date**

**TOTAL**

# Subtronic Corporation

# Estimate

Ph: (925) 228-8771  
5031 Blum Rd, #2

Estimate # **30676**

Date of Estimate 9/27/2019

**BILL TO:**

American River Flood Control District  
185 Commerce Circle  
Sacramento, CA 95815

<b>ESTIMATE TO:</b>	<b>P.O. #:</b>	

<b>SURVEYOR</b>	<b>JOB DATE</b>	<b>DAY</b>	<b>TIME</b>	<b>TERMS</b>
				<b>Credit Card</b>

<b>DESCRIPTION</b>	<b>QTY</b>	<b>COST</b>	<b>TOTAL</b>
<p><b>INCLUSIONS:</b> Metallic utilities i.e. electric, telephone, gas and water. Non metallic utilities with tracer wire visible. Sewer and drain lines with minimum 4" cleanout or manhole access will be located by inserting a transmitter.</p> <p><b>DEPTHS</b> of utilities will be provided where possible. Instrument readings are deemed within 10% accuracy. Critical depths may require potholing (not included in this proposal, but available on request).</p> <p><b>ASSUMPTIONS:</b></p> <ol style="list-style-type: none"> <li>1. We assume access will be granted to all places requiring admission for the purpose of tracking and identifying the utilities.</li> <li>2. We assume that any existing utility drawings will be made available.</li> <li>3. We assume Underground Service Alert will be notified prior to excavation.</li> <li>4. We assume boring locations or areas of excavation will be marked on site prior to our arrival.</li> <li>5. Unless noted otherwise we assume this is not a prevailing wage project and we are not obligated to a project labor agreement.</li> <li>6. UPRR Permit and Insurance costs will be acquired and paid for by Client.</li> </ol>			

*Signature*

*Date*

**TOTAL**

# Subtronic Corporation

# Estimate

Ph: (925) 228-8771  
5031 Blum Rd, #2

Estimate # **30676**

Date of Estimate 9/27/2019

**BILL TO:**

American River Flood Control District  
185 Commerce Circle  
Sacramento, CA 95815

<b>ESTIMATE TO:</b>	<b>P.O. #:</b>	

<b>SURVEYOR</b>	<b>JOB DATE</b>	<b>DAY</b>	<b>TIME</b>	<b>TERMS</b>
				<b>Credit Card</b>

<b>DESCRIPTION</b>	<b>QTY</b>	<b>COST</b>	<b>TOTAL</b>
PRESENTATION: The utilities will be marked on the ground with spray paint.			
COMPENSATION: For work performed as described above including equipment, personnel and travel costs for the sum of:			
Underground utility locator, 1st hour on site	1	570.00	570.00
Underground utility locator, subsequent hours:	5	190.00	950.00
This estimate is good for 60 days.			
PREVAILING WAGE: State & Federal prevailing wage rates apply to all public works contracts as set forth in Labor Code Sections 1720, 1720.2, 1720.3, 1720.4, 771. and DAVIS-BACON ACT Title 40 U.S.C. If the work is performed over a number of years an increase in the quoted fees of 3% per annum will be applied.			0.00

*Signature*

*Date*

**TOTAL**

# Subtronic Corporation

# Estimate

Ph: (925) 228-8771  
5031 Blum Rd, #2

Estimate # **30676**

Date of Estimate 9/27/2019

**BILL TO:**

American River Flood Control District  
185 Commerce Circle  
Sacramento, CA 95815

<b>ESTIMATE TO:</b>	<b>P.O. #:</b>	

<b>SURVEYOR</b>	<b>JOB DATE</b>	<b>DAY</b>	<b>TIME</b>	<b>TERMS</b>
				<b>Credit Card</b>

<b>DESCRIPTION</b>	<b>QTY</b>	<b>COST</b>	<b>TOTAL</b>
Insurance Coverage: General Liability: \$2,000,000 per occurrence \$ 4,000,000 aggregate Excess/Umbrella Liability: \$5,000,000 Worker's Comp: \$1,000,000 Employer's Liability Professional Liability: \$1,000,000 per claim \$2,000,000 annl aggr. Automobile:\$1,000,000 Combined Single Limit			

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

<b>TOTAL</b>	<b>\$1,520.00</b>
--------------	-------------------

*This quotation is subject to our Specification and Standard Conditions of Contract.  
CA License # 940232*



# Subtronic Corporation

# Estimate

Ph: (925) 228-8771  
5031 Blum Rd, #2

Estimate # **30657**

Date of Estimate 9/27/2019

**BILL TO:**

American River Flood Control District  
185 Commerce Circle  
Sacramento, CA 95815

<b>ESTIMATE TO:</b>	<b>P.O. #:</b>	

<b>SURVEYOR</b>	<b>JOB DATE</b>	<b>DAY</b>	<b>TIME</b>	<b>TERMS</b>
				<b>Credit Card</b>

<b>DESCRIPTION</b>	<b>QTY</b>	<b>COST</b>	<b>TOTAL</b>
<p>Estimates up to \$1,000 require 50% deposit, \$1,000 and over require 25% deposit. Deposit is due when the Estimate is accepted, work will be scheduled when deposit is received. We accept Credit Cards and Cash, check payment are accepted but will require 3 days for processing.</p> <p><b>PROJECT LOCATION: # 1 American River at H Street Bridge Sacramento</b></p> <p><b>AREA OF SURVEY:</b> The area of survey is defined by information received September 12, 2019 regarding the location of underground utilities at above address, See attached drawings.</p> <p><b>SCOPE OF SURVEY:</b> We will endeavor to locate underground utilities in the areas indicated, but for technical reasons cannot guarantee to do so, some short lengths of abandoned utilities may not be located.</p> <p><b>METHODOLOGY:</b> Location of utilities will be by electromagnetic field induction. Ground Penetrating Radar will also be used.</p>		0.00	0.00

*Signature*

**Date**

**TOTAL**

# Subtronic Corporation

# Estimate

Ph: (925) 228-8771  
5031 Blum Rd, #2

Estimate # **30657**

Date of Estimate 9/27/2019

**BILL TO:**

American River Flood Control District  
185 Commerce Circle  
Sacramento, CA 95815

<b>ESTIMATE TO:</b>	<b>P.O. #:</b>	

<b>SURVEYOR</b>	<b>JOB DATE</b>	<b>DAY</b>	<b>TIME</b>	<b>TERMS</b>
				<b>Credit Card</b>

<b>DESCRIPTION</b>	<b>QTY</b>	<b>COST</b>	<b>TOTAL</b>
<p><b>INCLUSIONS:</b> Metallic utilities i.e. electric, telephone, gas and water. Non metallic utilities with tracer wire visible. Sewer and drain lines with minimum 4" cleanout or manhole access will be located by inserting a transmitter.</p> <p><b>DEPTHS</b> of utilities will be provided where possible. Instrument readings are deemed within 10% accuracy. Critical depths may require potholing (not included in this proposal, but available on request).</p> <p><b>ASSUMPTIONS:</b></p> <ol style="list-style-type: none"> <li>1. We assume access will be granted to all places requiring admission for the purpose of tracking and identifying the utilities.</li> <li>2. We assume that any existing utility drawings will be made available.</li> <li>3. We assume Underground Service Alert will be notified prior to excavation.</li> <li>4. We assume boring locations or areas of excavation will be marked on site prior to our arrival.</li> <li>5. Unless noted otherwise we assume this is not a prevailing wage project and we are not obligated to a project labor agreement.</li> </ol>			

*Signature*

**Date**

**TOTAL**

# Subtronic Corporation

# Estimate

Ph: (925) 228-8771  
5031 Blum Rd, #2

Estimate # **30657**

Date of Estimate 9/27/2019

**BILL TO:**

American River Flood Control District  
185 Commerce Circle  
Sacramento, CA 95815

<b>ESTIMATE TO:</b>	<b>P.O. #:</b>	

<b>SURVEYOR</b>	<b>JOB DATE</b>	<b>DAY</b>	<b>TIME</b>	<b>TERMS</b>
				<b>Credit Card</b>

<b>DESCRIPTION</b>	<b>QTY</b>	<b>COST</b>	<b>TOTAL</b>
PRESENTATION: The utilities will be marked on the ground with spray paint.			
COMPENSATION: For work performed as described above including equipment, personnel and travel costs for the sum of:			
Underground utility locator, 1st hour on site	1	570.00	570.00
Underground utility locator, subsequent hours:	3	190.00	570.00
PREVAILING WAGE: State & Federal prevailing wage rates apply to all public works contracts as set forth in Labor Code Sections 1720, 1720.2, 1720.3, 1720.4, 771. and DAVIS-BACON ACT Title 40 U.S.C. If the work is performed over a number of years an increase in the quoted fees of 3% per annum will be applied.			0.00
This estimate is good for 60 days.			

*Signature*

*Date*

**TOTAL**

# Subtronic Corporation

# Estimate

Ph: (925) 228-8771  
5031 Blum Rd, #2

Estimate # **30657**

Date of Estimate 9/27/2019

**BILL TO:**

American River Flood Control District  
185 Commerce Circle  
Sacramento, CA 95815

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<b>SURVEYOR</b>	<b>JOB DATE</b>	<b>DAY</b>	<b>TIME</b>	<b>TERMS</b>
				<b>Credit Card</b>

<b>DESCRIPTION</b>	<b>QTY</b>	<b>COST</b>	<b>TOTAL</b>
Insurance Coverage: General Liability: \$2,000,000 per occurrence \$ 4,000,000 aggregate Excess/Umbrella Liability: \$5,000,000 Worker's Comp: \$1,000,000 Employer's Liability Professional Liability: \$1,000,000 per claim \$2,000,000 annl aggr. Automobile:\$1,000,000 Combined Single Limit			

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

<b>TOTAL</b>	<b>\$1,140.00</b>
--------------	-------------------

*This quotation is subject to our Specification and Standard Conditions of Contract.  
CA License # 940232*



SACRAMENTO LOCAL AGENCY FORMATION COMMISSION  
1112 I Street, Suite 100 • Sacramento, CA 95814 • (916) 874-6458 • Fax (916) 874-2939

DATE: September 24, 2019

TO: Special Districts' Selection Committee

FROM: Donald Lockhart, Executive Officer

RE: **Selection of Special District Commissioner**  
Term of Office: January 1, 2020 to December 31, 2023  
**and Selection of Alternate Special District Commissioner**  
Term of Office: January 1, 2020 to December 31, 2021  
**for the Sacramento Local Agency Formation Commission**

Pursuant to the provisions of Section 56332 of the Government Code, the Executive Officer has determined that a meeting of the Special District Selection Committee for the purpose of selecting a Special District Commissioner [Office No. 6] and Alternate Special District Commissioner [for Offices No. 6 & 7] to serve on the Sacramento Local Agency Formation Commission is not feasible. Based on past experience, due to the size of the Special District Selection Committee, it has been difficult to establish a quorum. Therefore, the business of the Special District Selection Committee will be conducted in writing, as provided in the cited section code.

***Please see the attached Ballot***

Please select one candidate for Special District Commissioner and one candidate for Alternate Special District Commissioner.

**Please return the ballot to the LAFCo office no later than:  
4:00 P.M. on THURSDAY, NOVEMBER 21, 2019**

**To be valid, selection of a candidate must be done by a majority vote of the governing board of an Independent Special District in an official meeting of that board and certified by the secretary or clerk of the board.**

Any ballot received after the date specified above shall not be valid. The candidate who receives the most votes will be determined the winner outright. In the event of a tie, there will be a run-off selection held in the same format as the initial selection. The LAFCo Executive Officer will announce the results of the selection within seven days of the specified date.

If you have questions, please contact Sacramento LAFCo at (916) 874-6458.

Return ballot to:  
**Sacramento LAFCo**  
**1112 "I" Street; Suite 100**  
**Sacramento, CA 95814**

or e-mail to: [Diane.Thorpe@SacLAFCo.org](mailto:Diane.Thorpe@SacLAFCo.org)



Sacramento  
LAFCo

# Ballot

Item 8

## LAFCo Special District Commissioner & Alternate

Commissioner & Alternate Commissioner

Please select one candidate from each COLUMN

### Ballot A

Commissioner - Office No. 6

Please select **ONE** candidate **BELOW**

- Jason Green**   
Rio Linda Elverta Community Water District

---

- Michael Hanson**   
Arcade Creek Recreation & Park District

---

- Lindsey Liebig**   
Herald Fire Protection District

---

- Charlea Moore**   
Rio Linda Elverta Recreation & Park District

---

- Elliot Mulberg**   
Florin Resource Conservation District

---

- Gary Page**   
Fair Oaks Water District

---

- Brandon Rose**   
Sacramento Municipal Utility District

---

- Michael Yearwood**   
Cordova Recreation & Park District

### Ballot B

Alternate Commissioner - for Offices No. 6 & 7

Please select **ONE** candidate **BELOW**

- Jason Green**   
Rio Linda Elverta Community Water District

---

- Michael Hanson**   
Arcade Creek Recreation & Park District

---

- Lindsey Liebig**   
Herald Fire Protection District

---

- Charlea Moore**   
Rio Linda Elverta Recreation & Park Dis-

---

- Michael Yearwood**   
Cordova Recreation & Park District

Ballot must be received by **4:00 pm on Thursday November 21, 2019**

Special Districts must return the ballots to LAFCo by the date specified above. Any ballot received after the specified date shall not be valid. *The information below must be complete*

The candidate who receives the most votes will be determined the winner outright.

The LAFCo Executive Officer will announce the results of the election within seven days of the specified date.

\_\_\_\_\_  
Name of Special District

\_\_\_\_\_  
Street Address

\_\_\_\_\_  
Date of Meeting

\_\_\_\_\_  
District Phone Number

\_\_\_\_\_  
Signature of Secretary or Clerk of the Board

\_\_\_\_\_  
Phone Number

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
E-mail Address



Jason A. Green

XXXXXXXXXXXXXXXXXXXX  
XXXXXXXXXXXXXXXXXXXX

Seven-year resident of Rio Linda.

Appointed Board Member for Rio Linda Elverta Community Water District in February 2019.

Currently employed as an electrician in IBEW Local 340 and have been an electrician in the construction industry for 30-years.

President of the Rio Linda/Elverta Historical Society. Member of Rio Linda Grange and participate in several non-profit community benefit organizations, e.g. Rio Linda Food Closet.

[REDACTED]  
Sacramento, CA 95841

[REDACTED]

[REDACTED]

[REDACTED]

**SUMMARY**

Information Technology Professional proven experience including roles as a manager, project manager, systems analyst, systems integrator and software developer of systems in the mainframe and midrange environments. Experienced in all stages of software development life cycle, from analysis through implementation. Successfully managed numerous projects and led teams in system & vendor selection, analysis of business requirements, vendor management, system development & implementation.

Strengths include:

- Project Manager
- Vendor Management
- Systems Integration
- Database Analysis
- Application Architecture
- System Analysis
- Software Development Lifecycle
- Managing Projects Across Technologies

Elected to Arcade Creek Recreation and Park District 2014

- Serve as Chair 2015
- Serve as director 2016
  - Lead in the Master Plan project
- Serve as Secretary/Treasurer 2017

**PROFESSIONAL EXPERIENCE**

**CSAA IG, Glendale AZ** **1993-Present**  
Previously, CSAA, San Francisco, CA

*AAA Membership and Insurance Co.*

**Project Manager** 2002 – Present

As an EDS/HP employee supporting CSAA (outsourced in 1996), led projects involved in mainframe upgrades and support activities.

- Created proposal to upgrade all application software to a consistent and supportable level. The application software would not be supported under the new operating system (the environment was scheduled to be upgraded). Worked with leadership to document proposal and create the accepted SOW. (Project size >65K staff hours)
- Managed teams' efforts associated with the application. Assumed role as the Technical Lead and Application Architect. Needed to allow concurrent business changes to occur while upgrading the infrastructure. Delivered a consolidated toolset for mainframe application support including the customized Configuration Management tool, the approach to managing DB2, and the build process itself.



- Reviewed infrastructure requirements and worked with senior management to create an accepted SOW to upgrade the system software.
- Managed a multi-stage mainframe software upgrade the environment to supported levels. Managed the efforts of EDS, Mphasis, and CSAA teams to upgrade the environment with minimal interruption to the business.
- Technical lead for the CSAA account for the mainframe portion of the Data Replication Project by providing stats and coordinating various teams. In addition, provided communication and follow-through for questions/concerns related to the midrange portion of the effort. Help to coordinate the efforts to deliver a successful data replication environment where the mainframe and midrange have replication in place for Disaster Recovery purposes.
- Manage mainframe hardware upgrades. Managed 4 mainframe CPU upgrades for the CSAA account. The scope included the coordination of the teams, the actual upgrade itself, and validation all components would continue to support the business/applications in the new environment as they did on the current hardware including the encryption coprocessor.
- Manage mainframe system software upgrades. Managed migrations from IBM OS/390 through z/OS 1.13, DB2 v7 through DB2 v10, and similar upgrades to CICS, Datacom, and the infrastructure in general. Each major upgrade required a level of acceptance testing and burn-in prior to moving the upgrades to production.

**Team Lead**

1996 – 2002

As a Systemhouse/MCI/WorldCom employee supporting CSAA (outsourced in 1996), led teams addressing improvements in the Travel/Touring and Membership area.

- Coordinated the install of the TripTik system developed by the AAA National team to automate the Tourbook and map process used to support members in their travels. This was a client-server app where workstations would communicate to a SUN Sparc back-office server.
- Lead the development of the processes internal to CSAA to handle "vanity cards." This is the AAA VISA cards for the CSAA members which allowed them to autopay their membership. Later, added the capability to Autopay their insurance premiums as well.
- Scheduled to manage the Claims replacement project (HAL), a Client-Server application. Studied the architecture and status with the current PM who then was able to stay and complete the project.

**Team Lead**

1993 – 1996

Managed team supporting Travel and Touring

- Brought onboard to support the project replacing all Membership, Insurance, and Claims. The architecture of the system was client-server based with the data storage being DB2 on the mainframe and the client residing on workstations running OS/2 and communicating to the mainframe. Directed the efforts of the Membership team (and supported other team's efforts) related to productionalizing the system.

Education: BA in Management, St. Mary's College, Moraga CA.

# Lindsey Liebig

Galt, CA 95632 |

| lindsey@heraldfire.com

## Education

### **BACHELOR OF SCIENCE | 2008 | CAL POLY SAN LUIS OBISPO, CA**

- Major: Agricultural Business
- Minor: Wine & Viticulture
- Concentration: Fair & Event Planning and Marketing

## Experience

### **EXECUTIVE DIRECTOR | SACRAMENTO COUNTY FARM BUREAU | MARCH 2018 - PRESENT**

- Manage all organizational functions including personnel, budget, legislative advocacy, communications and membership development.
- Responsible for event management for fundraising events, membership recruitment activities and business member development.
- Manage Board of Directors, committees and advisory groups within the organization.

### **PROGRAM DIRECTOR | CALIFORNIA FARM BUREAU FEDERATION | DECEMBER 2013 - MARCH 2018**

- Managed the Young Farmers & Ranchers and Leadership Farm Bureau programs including committee development, leadership development, event planning and fundraising.
- Assisted with marketing campaigns and membership development efforts for the statewide organization.
- Responsible for organizing conferences, meetings and agricultural tours for members and legislative officials.

### **PROGRAM COORDINATOR | SACRAMENTO COUNTY FARM BUREAU | JANUARY 2012 - DECEMBER 2013**

- Responsible for various member programs and events within the county including safety seminars, fundraising dinners, legislative tours and educational presentations.
- Responsible for organizing events, fundraising efforts and membership recruitment.

### **MARKETING CONSULTANT | CALIFORNIA SPECIALIZED TRAINING INSTITUTE | JUNE 2008 - JULY 2013**

- Managed marketing efforts for the training division of the Governor's Office of Emergency Services.
- Responsible for course catalog, course marketing, website and social media functions.
- Assisted in curriculum development for federal grant funding applications.

## Community Involvement

- Board Chair, Herald Fire Protection District - Elected to 4-year term in 2016
- Member, Protest Provisions Rewrite Working Group, CSDA/CALAFCO - 2019
- Alternate Representative, Sacramento Central Groundwater Authority - 2018 - present
- Member, Sacramento LAFCo Special District Advisory Committee - 2019
- President, Sacramento Farm Bureau Foundation for Ag Education - 2015 - present
- President, National Sigma Alpha Educational Foundation - 2019
- Past President, Sigma Alpha National Sorority - 2012-2016

*Charlea R Moore*

• Elverta, CA 95626

**Applicant Statement for the Special District LAFCO Representative**

I moved from Glassboro New Jersey to Rio Linda Elverta in 1981, along with my 3 year old daughter and my husband.

Almost immediately I became involved with Sacramento County Service Area #3 which was the forerunner of our current independant Parks and Recreation District serving the Rio Linda Elverta Communities. This involvement was the result of reading a statement in the local paper, indicating that the Parks Advisory Board had determined that there were sufficient equestrian trails in the area. I was very happy to advocate for additional trails and in the process begin my education in local governance processes.

Over the next several decades I was appointed to numerous County and Local advisory boards, steering committees and ad hoc committees. My interest expanded to include growth issues, flood issues and agriculture/suburban/urban issues.

I learned a great deal about how government works and how Special Districts fit into the process. I became a strong advocate for local governance after going through 3 incorporation attempts in the Rio Linda Elverta communities and in the education process I switched from anti-incorporation to pro-incorporation for unincorporated communities.

In about 1992 I was appointed to the RLE CPAC in and served during the Community Plan Update. I am familiar with the governance process and with procedures for arriving at a decision as a board member. I have served several terms on CPAC under four different County Supervisors since that initial appointment. All of these experiences were very educational for me.

In 2002 I successfully ran for the Rio Linda Elverta Recreation and Parks District. I truly enjoyed and have greatly benefited from the experience of becoming an elected board member. I ran again in 2016 and am currently serving as Secretary for the RLE Recreation and Parks District.

I believe that my history in the community and experience as an elected public official will be an asset for Special Districts as a LAFCO Special District Board member.

Thank you,

Charlea R. Moore

**Resume**  
**Elliot Mulberg**

XXXXXXXXXXXXXXXXXXXX  
Elk Grove, CA 95758  
XXXXXXXXXXXX  
XXXXXXXXXXXX

**Community Service:**

**Florin Resource Conservation District / Elk Grove Water District - Director**

Sacramento LAFCO Special District Advisory Committee

California Special District Association Legislative Committee

Friends of Stone Lakes National Wildlife Refuge

Elk Grove Western Festival

Rotary Club of Elk Grove

**Past Community Service:**

**Sacramento Local Agency Formation Commission**

Chair 2003, Vice Chair 2002

Special District Commissioner 2001- 2006, Special District Alternate 1995-2001

**Elk Grove (now Cosumnes) Community Services District ( parks and fire services) -Director 1994 – 2006**

**CALAFCO (statewide association of LAFCo's) Board of Directors**

Special District Representative 2001-2006

California Special District Association Sacramento Chapter - Treasurer 1995-99

Sacramento Regional Council of Recreation & Park Agencies Vice President 1995

Franklin Laguna Area Community Planning Advisory Council Secretary 1993-1994

Elk Grove Historical Society President 2000, 2001

**Professional Experience:**

*Environmental/ LAFCO Consultant– E Mulberg & Associates 2011-Present, CEQA analysis, municipal service reviews for water districts ,sewer districts, reclamation districts, resource conservation districts, health care districts, full service cities; sphere of influence updates; change of organization analysis annexations, consolidations, dissolutions; Solano LAFCO Executive Officer; Senior Air Quality Scientist, and Senior Air Quality Planner Michael Brandman Associates 2008-2011, Senior Analyst Monterey LAFCO 2006-08. Air Pollution Specialist CA Air Resources Board 25 years.*

**Professional Affiliations:**

American Planning Association

Association of Environmental Professionals

American Meteorological Society

**Education:**

B.S. St. Louis University

M.S. UCLA



# Gary Page

[REDACTED]  
Fair Oaks, California 95628

[REDACTED]  
[REDACTED]

## Profile

Passionate to improve government services, for over 40 years, Gary is dedicated to public and community servant-leadership.

## Formal Education

Eastern Michigan University:  
Bachelor of Science Degree in Public Administration

Southern Illinois University at Edwardsville:  
Master of Science Degree in Urban Affairs and Public Policy Analysis

## “Real Work” Experience

US Air Force: Security Police and Law Enforcement  
Gravel Pit: Sand Plant Operator  
Sweat Shop (2 days): Molten metal pourer  
Can Factory: Fork Lift Operator  
General Motors Assembly Plant: Parts Production

## Professional Experience

Current: California Department of Education - Education Programs Consultant  
Illinois State Auditor General - Senior Management Auditor  
California State Auditor General – Management Auditor  
California Department of Education – Internal Auditor  
Certified Fraud Examiner

## Skills

### **Skilled at writing for various audiences and purposes**

- State Legislatures for information/action
  - Organizational studies (management/systems/outcomes)
  - Legislation (bill analysis)
  - Program Advocacy (met with advocates/legislators)
- Local decision makers for desirable outcomes (Sacramento City Superintendent)
- General public for program awareness/promotion (TechWire contributor)
- School community for information/action (announcements/fundraisers)
- Teachers to establish and promote community/action (EdSynergy Publisher)
- Established non-profit foundation (501 c3) (Met Sacramento)
- Wrote school policies (Met Sacramento)
- Wrote model curriculum standards (California CTE)
- Wrote contract proposals and contracts (UC Davis C-STEM Center)

### **Leadership Team Experience**

- Grassroots advocacy/representation/results
  - Fair Oaks Water District 3 Director
  - Royal Rangers (Wrote a federal grant to get land to build a Camp)
  - Neighborhood Association (Website - Built a Park – Park Day)
  - Sacramento County Alliance of Neighborhoods (Community Support)
  - Environmental Council of Sacramento (Won Smart Growth Policies)
  - Sacramento County Water Forum (Interest-based negotiation)
- Educational leadership
  - Team Lead: Coordinated Compliance Reviews
  - Met Sacramento (Board President/Treasurer/Secretary)
  - Alliance for California Computing Education for Students and Schools (ACCESS)
  - National Visiting Committee member (Mid-Pacific ICT)
  - ICT (Information and Communication Technologies) Sector Lead
    - Project Lead the Way (California)
    - C-STEM (UC Davis)
    - Exploring Computer Science (UCLA/LAUSD)

### **Technology and Social Media**

- Website Designer/Developer (Responsive Web Design)
- ICT Sector Lead (CTE Sector and Pathways)
  - Information Support and Services
  - Networking
  - Software and Systems Development
  - Games and Simulation
- Listserv Publisher (3900 teachers/administrators)

**www.EdSynergy.org Blog (Collaborating to Transform Education)**  
**Responsive to Mobile**  
**Search Engine Optimization**  
**Twitter Feed with Re-Tweets**  
**Easy to Maintain and Sustain (WordPress)**

**Worked with Google/Cisco/Adobe/Code.org to promote technologies**

***Issue Analysis/Problem Solving***

**Master's Degree in Public Policy Analysis**

**Issue Analysis**

**Program Design**

**Program Implementation**

**Program Evaluation**

**Performance/Management Auditor in Illinois and California**

**Legal Research**

**Gathering evidence (data) to support conclusions (findings)**

**Focus on Problem Identification (corrective actions)**

**Systems Focus**

**Input/Process/Output**

**Budget Systems**

**Reporting Systems**

**Systems include people!**



# BRANDON ROSE

Fair Oaks  
[linkedin.com/in/brandonrose](https://www.linkedin.com/in/brandonrose) · [facebook.com/BrandonRoseSMUDDirector](https://www.facebook.com/BrandonRoseSMUDDirector)

Thank you for consideration as the Special District Commissioner to the Sacramento Local Agency Formation Commission (LAFCO). As fellow governing board members, I know you understand the vital role our special districts serve in Sacramento. Our agencies provide a diverse set of unique services across the County and we are called on time and time again when our communities are in need. I believe that as special districts, we have our hands on the pulse of our diverse populace and it is critical that our unique voice, insights and interests be strongly represented on the Commission. That is why I consider representing special districts on a regional body such as LAFCO a vitally important role. Please find my professional and academic qualifications as well as dedication to public service below. Thank you for your support and please don't hesitate to contact me directly at 916-844-5510 if I can be of service or you have any questions.

## PUBLIC SERVICE

### 2017 – CURRENT

#### **DIRECTOR**, SACRAMENTO MUNICIPAL UTILITY DISTRICT, WARD 1

As a board member, I work with my fellow directors to establish policies and values about how the organization best represents the community. The Board sets the budget (\$1.75 billion), governance structures, the long-term strategic direction and monitors compliance. I actively engage the public, strategic partners and government organizations across a spectrum of issues.

### 2008 – 2017

#### **DIRECTOR**, FAIR OAKS RECREATION AND PARK DISTRICT

As an elected member of the Board of Directors and past chair, I worked in conjunction with the district administrator to determine long term policy development and strategic planning. As former chair of the Personnel and Management Committee I was responsible for updates to personnel policies as well as negotiations with the employees association and management. As chair of the Finance and Budget Committee, I direct the drafting and approval of the annual budget. In addition, as board chair, I focused on completion of a long term master plan.

### 2011 – 2019

#### **CHAIR & SPECIAL DISTRICT REPRESENTATIVE**, SACRAMENTO COUNTY TREASURY OVERSIGHT COMMITTEE

The Special District Representative is elected by the region's local governments to oversee the County's pooled investment funds, which total approximately \$4 billion. Duties include review of the annual investment policy; quarterly review of investments; and causation and review of an annual portfolio audit. Board Chair 2014-2018.

### 2010 – 2011

#### **MEMBER**, SPECIAL DISTRICT ADVISORY COMMITTEE; SACRAMENTO COUNTY LOCAL AGENCY FORMATION COMMISSION

The advisory committee provided a forum for valuable learning and information exchange with LAFCO staff.

## WORK EXPERIENCE

**2007 – CURRENT**

### **AIR POLLUTION SPECIALIST, CALIFORNIA AIR RESOURCES BOARD**

Duties in the Mobile Source Control Division include research, analysis and development of public health regulations including economic analysis, emission modeling as well as report, database, and training development. My current focus is on commercial fleet electrification and supporting the adoption of battery and fuel cell trucks and buses.

**2004 – 2007**

### **ENERGY SPECIALIST, CALIFORNIA ENERGY COMMISSION**

I was lead for the Solar Rebate program’s Performance Based Incentive pilot and managed the list of eligible equipment. In addition, I co-authored the New Solar Homes Partnership Program and the Emerging Renewables Program Guidebooks. I was a member of the California Solar Initiative Submetering Committee Working Group, as well as the Office of the State Fire Marshal Photovoltaic Building Standards Task Force. Activities included presenting at Solar Power International Conference, the California Council for Affordable Housing, and testifying at California Public Utilities Commission proceedings

**2003 – 2004**

### **RESEARCH ASSISTANT IV (HYDROLOGY), UC DAVIS**

I conducted fluvial geomorphologic surveying and data collection of Sierra Nevada streams in the Feather River watershed as part of a larger CalFed Bay Delta effort.

**1998 – 2002**

### **ASSISTANT POOL MANAGER, SUNRISE RECREATION & PARK DISTRICT**

Duties included working with the management team to ensure smooth operation of the aquatic division.

## EDUCATION

**2004**

### **ENVIRONMENTAL POLICY ANALYSIS & PLANNING, UC DAVIS**

Specialization in City and Regional Planning with a focus in Public Lands Management and Land Use Planning.

Study Abroad in Wilderness & Natural Area Management, University of Tasmania, Australia

## MEMBERSHIPS

- Professional Engineers in California Government
- Young Professional in Energy
- Environmental Council of Sacramento (Past President)

# Michael T. Yearwood

XXXXXXXXXX Rancho Cordova, CA 95670  
XXXXXXXXXX

**Experience Summary:**

*Customer Service Leader with over ten years of experience with direct customer problem solving within the health insurance industry. Expert level experience with hiring, training, staff retention, process improvement projects, managing deadlines and increasing production of teams.*

**Health Net of California 2016-2019**  
**Claims Supervisor - Performance Team**

- Supervise a team of 17 Claims Analysts
- Coach and mentor staff to exceed expectations
- Responsible for talent and performance management of Claims Team
- Daily operational leadership and support through work distribution and monitoring
- Coordinate with scheduling to assist with daily forecast ensuring accurate staffing coverage
- Identify individual performance gaps to recommend and implement action plans that achieve desired result
- Monitor daily productivity through the Macess System
- Collaborate with peers and managers on process improvements

**State of California - Health Benefits Exchange (Covered California) 2015-2016**  
**Supervising Program Technician III**

- Supervise a team of 15 Customer Service Representatives
- Coach and mentor staff to exceed expectations
- Assist representatives with questions regarding health plan options and policy and procedures
- Research and resolve escalated calls from consumers
- Monitor daily productivity through the IEX System
- Audit inbound calls through the Nice System
- Collaborate with peers and managers on process improvements

**Vislon Service Plan 2007-2015**  
**Client Broker Representative - Inside Sales**

- Assisted and resolved clients and brokers service issues
- Provided phone support and customer service to clients and brokers
- Provided e-mail coverage for Sales Team in their absence
- Implemented installation of new groups and pull-outs according to guidelines
- Processed renewals for clients according to guidelines
- Provided Resource Center support to clients and brokers

***References available upon request***

# Michael Yearwood

[REDACTED] Rancho Cordova, CA 95670  
 [REDACTED]  
 [REDACTED]

## Service to My Community

Cordova Recreation and Park District (Board Chairperson)  
 2015-Present: Director

As a Cordova Recreation and Park District (CRPD) Board Member I am responsible for the budget and for setting policies that safeguard the vitality of the district. The five non-partisan members of the Board of Directors are elected to four-year terms by residents located within CRPD's boundaries. The elected board is held accountable to the following laws that govern public officials: The Brown Act, California Public Records Act, FPPC Reporting Requirements and biannual ethics training.

### Specific functions and duties of my role as a Board Director are:

1. To perform its legal responsibility.
2. To set up by-laws, regulations and operation procedures
3. To select, employ, and if necessary, dismiss the District Administrator.
4. To control the operating budget, the financial plans and the insurance program.
5. To care and maintain property.
6. To be responsible for program.
7. To assure personnel policies.
8. To maintain good public relations.
9. To appoint, commission, supervise and receive reports from committees and the District Administrator.

### BOARD MEMBERS RESPONSIBILITIES

1. Board members should understand the significance and importance of recreation in the community.
2. Board members should be aware of the relationship of the recreation services to other community services.
3. Board members should look objectively at their specific responsibility as board members and at local community recreation needs, and keep abreast of changing conditions, continuously reassessing their efforts and reasons for service.
4. Board members should have the courage to resist pressures of all types and insist upon high standards for their agencies, particularly in regard to competent, professional personnel.
5. Board members should be aware of their role as board members, acting in concert with their fellow board members without usurping the functions of the District Administrator.

# Michael Yearwood

 Rancho Cordova, CA 95670

## Rancho Cordova Athletic Association

2013: Founding Member  
2013-2015: Secretary  
2016: CRPD Representative

## Leadership Rancho Cordova

2014-2016: Governing Board  
2014: Graduate of Class VIII

## Rancho Cordova Youth Soccer Club (RCSC)

2002: Coach  
2003: U-6 Age Coordinator  
2004: Coach & U-8 Boys Age Coordinator  
2005: Coach & U-8 Girls Age Coordinator  
2006: Coach & U-6 Age Coordinator  
2007-2009: Club Manager & Coach  
2012: Coach

## American River Youth Soccer League (ARYSL)

2007-2009: Board Member – RCSC Representative  
2010: League Treasurer

## Cordova Girls Softball League

2010-2011: League Vice President  
2011-2012: League Vice President  
2012-2013: Secretary  
2013-2014: Secretary  
2014-2015: NORCAL Representative

## Folsom Cordova Unified School District

Cordova High School Site Council  
2014-2015: Parent Representative

## Cordova Lane Elementary School Site Council

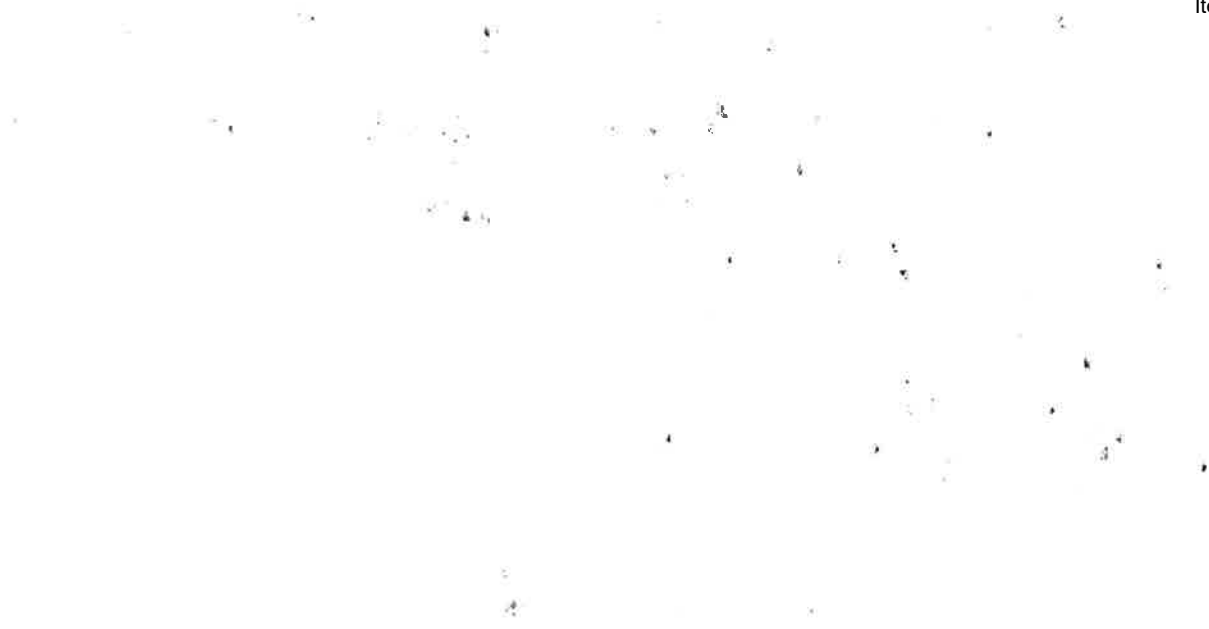
1998-2006: Elected Parent Representative

## Navigator Elementary School Site Council

2006-2008: Elected Parent Representative

## Measure M & P Oversight Committees

2014-2016: Parent/PTSO Member Representative





# Herald Fire Protection District

October 1, 2019

Dear American River Flood Control District Board of Directors,

As a candidate for the open Independent Special District Commissioner and Alternate Commissioner vacancy, I wanted to introduce myself to you and your Board. I am currently the Chairperson of the Herald Fire Protection District Board of Directors and have been since April 2017. I have been a Board member since my appointment in December 2015 and elected to a four-year term in 2016. Throughout my tenure on the HFPD Board, it is no secret that our District has overcome many challenges and obstacles. I am proud of what we have accomplished in such a short amount of time, but more so in how our District is choosing to tackle new obstacles, including becoming more engaged within our community and industry. My decision to pursue this position, is purely from my desire to continue to give back to the community, represent our District and the various special districts in Sacramento County and to further be a voice for issues that uniquely affect us and our constituents.

As my resume describes, I am currently the Executive Director of the Sacramento County Farm Bureau, a non-profit, non-governmental organization representing farmers and ranchers in Sacramento County. I am well versed in issues focusing on the many facets of water, land use and planning, open space preservation and community development.

Additionally, I currently serve on Sacramento LAFCo's Special District Advisory Committee and on a working group focusing on protest thresholds with California LAFCo and the California Special Districts Association. I value the opportunity to participate in larger industry groups, while representing my small rural district. Through these collaborations, I am not only able to expand my own understanding of the challenges facing our Districts, but also discover how we can further partner on issues affecting all of us. These collaborations are key to developing strong working relationships and I look forward to continuing to expand my participation in these areas.

Special District representation on LAFCo is critical, as our District's services are vital to our communities. Whether we are focusing on fire prevention and suppression, recreational access, cemetery services or water service and delivery, our work is critical to the success and sustainability of our local communities and our larger network countywide. We each are an important component in our county, regardless of our size or influence, and our unique needs should be recognized and celebrated as an essential part of each of our communities.

I am available to meet with your Board and/or staff, should you have any questions about me, my background, or my commitment to representing special districts. I sincerely appreciate your consideration for this position and value the work you do in your community.

Sincerely,

Lindsey Liebzig, Chairman of Board of Directors  
Herald Fire Protection District



## American River Flood Control District

### Sourcewell Contract 120716-NAF, 2020 Ford Super Duty F-250 SRW XL \$WD SuperCab 6.75' Box 148" WB

#### Staff Report

**Discussion:**

State law requires that purchases over \$25,000 must be made through a public bidding process. This ensures that public funds are spent on items at the best available price. In the past, the District has acquired large equipment through solicitation of public bids or through cooperative purchasing programs such as the CA Multiple Award Schedule or Sourcewell. Cooperative purchasing programs have already bid the items for sale publicly and include discounted rates based on collective bidding.

The District recently obtained a cost quote for a 2020 Ford F-250 at the Sourcewell cooperative purchasing rate, \$36,709.18.

- Super Duty F-250 SRW (X2b) XI 4WD SuperCab 6.75' Box 148" WB

**Recommendation:**

The General Manager recommends that the Board of Trustees approve the purchase of a Ford F-250 from Sourcewell.



# National Auto Fleet Group

A Division of Chevrolet of Watsonville

490 Auto Center Drive, Watsonville, CA 95076

[855] 289-6572 • [831] 480-8497 Fax

Fleet@NationalAutoFleetGroup.com

9/17/2019

Quote ID: **20356**

Order Cut Off Date: **TBA**

ross kawamura  
american river flood control district  
office

185 commerce circle

sacramento, California, 95815

Dear ross kawamura,

National Auto Fleet Group is pleased to quote the following vehicle(s) for your consideration.

**One (1) New/Unused (2020 Ford Super Duty F-250 SRW (X2B) XL 4WD SuperCab 6.75' Box 148" WB, )** and delivered to your specified location, each for

	<b>One Unit</b>
Contract Price	\$33,747.52
Tax (8.7500 %)	\$2,952.91
Tire fee	\$8.75
<b>Total</b>	<b>\$36,709.18</b>

- per the attached specifications. Price includes 1 additional key(s).

This vehicle(s) is available under the **Sourcewell (Formerly Known as NJPA) Contract 120716-NAF** . Please reference this Contract number on all purchase orders to National Auto Fleet Group. Payment terms are Net 20 days after receipt of vehicle.

Thank you in advance for your consideration. Should you have any questions, please do not hesitate to call.

Sincerely,

Jesse Cooper  
Account Manager  
Email: [jcooper@nationalautofleetgroup.com](mailto:jcooper@nationalautofleetgroup.com)  
Office: 951-440-0585  
Fax: 831-289-6572



**In order to Finalize your Quote, please submit this purchase packet to your governing body for Purchase Order Approval. Once you issue a Purchase Order please send by:**

**Fax: (831) 480-8497**

**Mail: National Auto Fleet Group  
490 Auto Center Drive  
Watsonville, CA 95076**

**Email: [Fleet@nationalautofleetgroup.com](mailto:Fleet@nationalautofleetgroup.com)**

**We will then send a W-9 if you need one**

**Please contact our main office with any questions:  
1-855-289-6572**

## Vehicle Configuration Options

ENGINE	
Code	Description
996	ENGINE: 6.2L 2-VALVE SOHC EFI NA V8 FLEX-FUEL, -inc: Flex-Fuel badge on fleet orders only (STD)
TRANSMISSION	
Code	Description
44S	TRANSMISSION: TORQSHIFT-G 6-SPD AUTO W/SELECTSHIFT, (STD)
WHEELS	
Code	Description
64A	WHEELS: 17" ARGENT PAINTED STEEL, -inc: painted hub covers/center ornaments (STD)
TIRES	
Code	Description
TD8	TIRES: LT245/75RX17E BSW A/S (4), (STD)
PRIMARY PAINT	
Code	Description
Z1	OXFORD WHITE
PAINT SCHEME	
Code	Description
___	STANDARD PAINT
SEAT TYPE	
Code	Description
LS	MEDIUM EARTH GRAY, VINYL 40/MINI-CONSOLE/40 FRONT SEAT, -inc: driver's side manual lumbar
AXLE RATIO	
Code	Description
X37	3.73 AXLE RATIO, (STD)
ADDITIONAL EQUIPMENT	
Code	Description
90L	POWER EQUIPMENT GROUP, -inc: Deletes passenger-side lock cylinder, upgraded door trim panel, Accessory Delay, Advanced Security Pack, SecuriLock Passive Anti-Theft System (PATs) and inclination/intrusion sensors, Power Locks, Remote Keyless Entry, Manual Telescoping/Folding Trailer Tow Mirrors, power heated glass, heated convex spotter mirror

	and integrated clearance lights and turn signal indicators, Power Front & Rear Seat Windows, 1-touch up/down driver/passenger window, Power Tailgate Lock
52B	TRAILER BRAKE CONTROLLER, -inc: Verified to be compatible w/select electric over hydraulic brakes, smart trailer tow connector
41P	TRANSFER CASE & FUEL TANK SKID PLATES
85G	TAILGATE STEP & HANDLE
18B	PLATFORM RUNNING BOARDS
<b>OPTION PACKAGE</b>	
<b>Code</b>	<b>Description</b>
600A	ORDER CODE 600A

# 2020 Fleet/Non-Retail Ford Super Duty F-250 SRW XL 4WD SuperCab 6.75' Box 148" WB

## WINDOW STICKER

2020 Ford Super Duty F-250 SRW XL 4WD SuperCab 6.75' Box 148" WB

CODE	MODEL	MSRP
X2B	2020 Ford Super Duty F-250 SRW XL 4WD SuperCab 6.75' Box 148" WB	\$38,830.00
<b>OPTIONS</b>		
996	ENGINE: 6.2L 2-VALVE SOHC EFI NA V8 FLEX-FUEL, -inc: Flex-Fuel badge on fleet orders only (STD)	\$0.00
44S	TRANSMISSION: TORQSHIFT-G 6-SPD AUTO W/SELECTSHIFT, (STD)	\$0.00
64A	WHEELS: 17" ARGENT PAINTED STEEL, -inc: painted hub covers/center ornaments (STD)	\$0.00
TD8	TIRES: LT245/75RX17E BSW A/S (4), (STD)	\$0.00
Z1	OXFORD WHITE	\$0.00
—	STANDARD PAINT	\$0.00
LS	MEDIUM EARTH GRAY, VINYL 40/MINI-CONSOLE/40 FRONT SEAT, -inc: driver's side manual lumbar	\$355.00
X37	3.73 AXLE RATIO, (STD)	\$0.00
90L	POWER EQUIPMENT GROUP, -inc: Deletes passenger-side lock cylinder, upgraded door trim panel, Accessory Delay, Advanced Security Pack, SecuriLock Passive Anti-Theft System (PATS) and inclination/intrusion sensors, Power Locks, Remote Keyless Entry, Manual Telescoping/Folding Trailer Tow Mirrors, power heated glass, heated convex spotter mirror and integrated clearance lights and turn signal indicators, Power Front & Rear Seat Windows, 1-touch up/down driver/passenger window, Power Tailgate Lock	\$915.00
52B	TRAILER BRAKE CONTROLLER, -inc: Verified to be compatible w/select electric over hydraulic brakes, smart trailer tow connector	\$270.00
41P	TRANSFER CASE & FUEL TANK SKID PLATES	\$100.00
85G	TAILGATE STEP & HANDLE	\$375.00
18B	PLATFORM RUNNING BOARDS	\$445.00
600A	ORDER CODE 600A	\$0.00

Please note selected options override standard equipment

<b>SUBTOTAL</b>	<b>\$41,290.00</b>
Advert/ Adjustments	\$0.00
Manufacturer Destination Charge	\$1,595.00
<b>TOTAL PRICE</b>	<b>\$42,885.00</b>

Est City: N/A MPG  
 Est Highway: N/A MPG  
 Est Highway Cruising Range: N/A mi

Any performance-related calculations are offered solely as guidelines. Actual unit performance will depend on your operating conditions.



## Standard Equipment

### MECHANICAL

Engine: 6.2L 2-Valve SOHC EFI NA V8 Flex-Fuel -inc: Flex-Fuel badge on fleet orders only
Transmission: TorqShift-G 6-Spd Auto w/SelectShift
3.73 Axle Ratio
GVWR: 10,000 lb Payload Package
50-State Emissions System
Transmission w/Oil Cooler
Electronic Transfer Case
Part-Time Four-Wheel Drive
72-Amp/Hr 650CCA Maintenance-Free Battery w/Run Down Protection
157 Amp Alternator
Class V Towing Equipment -inc: Hitch and Trailer Sway Control
Trailer Wiring Harness
3570lbs. Maximum Payload
HD Shock Absorbers
Front Anti-Roll Bar
Firm Suspension
Hydraulic Power-Assist Steering
34 Gal. Fuel Tank
Single Stainless Steel Exhaust
Auto Locking Hubs
Front Suspension w/Coil Springs
Leaf Rear Suspension w/Leaf Springs
4-Wheel Disc Brakes w/4-Wheel ABS, Front And Rear Vented Discs, Brake Assist and Hill Hold Control

### EXTERIOR

Wheels: 17" Argent Painted Steel -inc: painted hub covers/center ornaments
Tires: LT245/75Rx17E BSW A/S (4)
Regular Box Style
Steel Spare Wheel
Full-Size Spare Tire Stored Underbody w/Crankdown
Clearcoat Paint
Black Front Bumper w/Black Rub Strip/Fascia Accent and 2 Tow Hooks
Black Rear Step Bumper
Black Side Windows Trim and Black Front Windshield Trim
Black Door Handles
Black Manual Side Mirrors w/Manual Folding
Manual Extendable Trailer Style Mirrors

Fixed Rear Window
Light Tinted Glass
Variable Intermittent Wipers
Aluminum Panels
Black Grille
Front License Plate Bracket
Tailgate Rear Cargo Access
Reverse Opening Rear Doors
Manual Tailgate/Rear Door Lock
Fully Automatic Aero-Composite Halogen Auto High-Beam Daytime Running Lights Preference Setting Headlamps w/Delay-Off
Cargo Lamp w/High Mount Stop Light

**ENTERTAINMENT**

Radio: AM/FM Stereo w/MP3 Player -inc: 4 speakers
Radio w/Seek-Scan
Fixed Antenna
SYNC Communications & Entertainment System -inc: enhanced voice recognition w/911 Assist, 4.2" LCD center stack screen, AppLink and 1 smart-charging USB-C port

**INTERIOR**

4-Way Driver Seat -inc: Manual Recline and Fore/Aft Movement
4-Way Passenger Seat -inc: Manual Recline and Fore/Aft Movement
60-40 Folding Split-Bench Front Facing Fold-Up Cushion Rear Seat
Manual Tilt/Telescoping Steering Column
Gauges -inc: Speedometer, Odometer, Oil Pressure, Engine Coolant Temp, Tachometer, Transmission Fluid Temp, Engine Hour Meter, Trip Odometer and Trip Computer
Fixed Rear Windows
Mobile Hotspot Internet Access
Rear Cupholder
Manual Air Conditioning
HVAC -inc: Underseat Ducts
Illuminated Locking Glove Box
Interior Trim -inc: Chrome Interior Accents
Full Cloth Headliner
Urethane Gear Shift Knob
HD Vinyl 40/20/40 Split Bench Seat -inc: center armrest, cupholder, storage and driver's side manual lumbar
Day-Night Rearview Mirror
Passenger Visor Vanity Mirror
2 12V DC Power Outlets

Full Overhead Console w/Storage and 2 12V DC Power Outlets
Front Map Lights
Fade-To-Off Interior Lighting
Full Vinyl/Rubber Floor Covering
Underhood And Pickup Cargo Box Lights
Smart Device Remote Engine Start
Instrument Panel Covered Bin and Dashboard Storage
Manual 1st Row Windows
Systems Monitor
Trip Computer
Outside Temp Gauge
Analog Display
Manual Adjustable Front Head Restraints and Manual Adjustable Rear Head Restraints
Securilock Anti-Theft Ignition (pats) Engine Immobilizer
Air Filtration

**SAFETY**

Electronic Stability Control (ESC) And Roll Stability Control (RSC)
ABS And Driveline Traction Control
Side Impact Beams
Dual Stage Driver And Passenger Seat-Mounted Side Airbags
Tire Specific Low Tire Pressure Warning
Dual Stage Driver And Passenger Front Airbags w/Passenger Off Switch
Mykey System -inc: Top Speed Limiter, Audio Volume Limiter, Early Low Fuel Warning, Programmable Sound Chimes and Beltminder w/Audio Mute
Safety Canopy System Curtain 1st And 2nd Row Airbags
Outboard Front Lap And Shoulder Safety Belts -inc: Rear Center 3 Point and Height Adjusters
Back-Up Camera

## September 2019

**9/4: LAR Bank Protection Working Group meeting.** I attended this meeting to hear updates on the proposed bank protection site designs for Howe Avenue, River Park, and Campus Commons.

**9/9: Steelhead Creek Clean-up Planning meeting.** Superintendent Kawamura and I met with representatives of Sacramento City Parks, the State Department of Fish and Wildlife, State DWR, RD 1000, and the Central Valley Regional Water Quality Control Board to discuss ongoing cleanup responsibilities within Steelhead Creek.

**9/11: Pre-season Flood Coordination meeting.** Superintendent Kawamura and I attended this annual meeting to review various roles and responsibilities of local flood control agencies.

**9/12: Local Maintaining Agency Coordination meeting.** Superintendent Kawamura and I attended this meeting to discuss the status of DWR inspections, USACE projects, and State grant programs.

**9/13: American River Flood Control District Board of Trustees meeting.** The Board met in regular session. The agenda items included encroachment permits for bank protection at McClaren Drive, a resolution for entering into agreements with the State for the FMAP grant, and an OMR&R Agreement for the North Sac Streams project.

**9/18: USACE Levee Inspection Field Training.** I met a group of US Army Corps of Engineers' employees on the levee at Dry Creek to provide a briefing on the activities and responsibilities of a Local Maintaining Agency.

**9/18: Central Valley Flood Control Association Board of Directors meeting.** I attended this meeting to coordinate on regional flood operations and maintenance topics. Items of discussion included the Association's Strategic Plan, State DWR flood damage repairs, FMAP grants, and the State DWR re-organization. The group also discussed the local agency ability to assess State agencies for flood control.

**9/26: District Roof Contract Design meeting.** Superintendent Kawamura and I met with Don Mariano, Ming Cheng, and Frank Hubbard from Lionakis to go over the needs for the District roof design. The group walked the site and inspected the roof.

**9/26: DWR DMP Update meeting.** I attended this meeting with State DWR staff and Nancy Moritz from Mead and Hunt to discuss the District's plan for performing ground penetrating radar to look for not found pipes. The group also discussed using the State grant funds for the proper abandonment of a pipe near Interstate 5.

**9/30: SAFCA Agency Staff meeting.** I attended this meeting to coordinate on local flood control topics. Items of discussion included the USACE's study of improvements at the Sacramento Weir and plans for bank protection in the American River. The Corps will host a public meeting in River Park on October 19<sup>th</sup>.