

August 20, 2019

Floodplain Administrator City of Davis 23 Russell Blvd Davis, CA 95616

SUBJECT: REQUEST FOR A CLOMR-F FOR THE BRETTON WOODS PROJECT

(RICK ENGINEERING COMPANY JOB NUMBER: 18463)

Dear Floodplain Administrator,

This letter regards a Conditional Letter of Map Revision based on Fill (CLOMR-F) for a project within the City of Davis and Yolo County in California. This CLOMR-F proposes to elevate portions of the Bretton Woods project site by fill in order to remove the proposed structures from the FEMA defined Zone A floodplain for the Covell Drain Watershed. The project site is shown on the FEMA Flood Insurance Rate Map (FIRM) map numbers 06113C0584G and 06113C0592G, both effective June 18, 2010.

Please review the enclosed CLOMR-F request and upon your final review of the package, please sign the form entitled "Community Acknowledgement Form" (MT-1 Form 3, page 1 of 1, Section A) in Appendix 1 and return a copy to Rick Engineering Company for our FEMA submission.

FEMA requires Endangered Species Act (ESA) compliance documentation. We are currently coordinating these documents and they will be sent to FEMA separately. A placeholder for the ESA documents is located in Appendix 4 of the CLOMR-F submittal package

If you have any questions regarding this package or need any additional information about this project, please contact me at (916) 934-5191 or dmontgomery@rickengineering.com.

Sincerely,

RICK ENGINEERING COMPANY

David Montgomery, PE, CFM



June 17, 2019

Attn.: LOMC Manager LOMC Clearinghouse 3601 Eisenhower Avenue, Suite 500 Alexandria, Virginia 22304-6426

SUBJECT: REQUEST FOR A CONDITIONAL LETTER OF MAP REVISION BASED ON FILL (CLOMR-F) FOR THE BRETTON WOODS PROJECT (RICK ENGINEERING COMPANY JOB NUMBER 18463)

Dear LOMC Manager:

This is a request for a Conditional Letter of Map Revision based on Fill (CLOMR-F) for the Bretton Woods Project (project) in the City of Davis, California; APN: 036-060-005-000. The project proposes construction activities within the Federal Emergency Management Agency (FEMA) defined Zone A floodplain for the Covell Drain Watershed as shown on the FEMA Flood Insurance Rate Map (FIRM) map numbers 06113C0584G and 06113C0592G, both effective June 18, 2010. FEMA has designated this portion of the Covell Drain Watershed as Zone A and Zone X. The limits of this project are within Yolo County, community number 060423. However, the project will be incorporated into the City of Davis, California, community number 060424. Please refer to the vicinity map in Figure 1 on the following page.

The project is located north of Covell Boulevard, west of John Jones Road and Highway-113, and east of Road 99. The project consists of approximately 75 acres, currently undeveloped, and proposed as an active adult community consisting of 561 units.

Separately, a hydraulic analysis was completed that determined the base flood elevations in the vicinity of the project and demonstrated that the proposed project does not cause increased water surface elevations to address the National Flood Insurance Program requirements for the proposed project grading within the Zone A floodplain. The report is titled "Bretton Woods Preliminary Hydrology and Hydraulics Analysis," dated June 17, 2019, and prepared by Rick Engineering Company (Job Number 18463). Excerpts from this study are included in Appendix 3, a full copy of the report is included in Appendix 6.

Figure 1: Vicinity Map



The proposed project structures are designed to be elevated above the 100-year base flood elevation for Covell Drain Watershed. The 1% annual chance base flood elevation at the most upstream point of the proposed project was determined to be 50.7' NAVD-88, based on the study mentioned previously. The proposed structures will have their lowest adjacent grade, the lowest ground elevation directly adjacent to the structure, elevated above the 100-year water surface elevation, 50.7' NAVD-88, and their finished floor elevation elevated a minimum of 1-foot above the 100-year water surface elevation, 51.7' NAVD-88. Annotated FIRMettes showing the project boundary and the proposed structure lot lines are included in Appendix 4.

CLOMR-F applicants are responsible for documenting to FEMA that Endangered Species Act (ESA) compliance has been achieved prior to FEMA's review of a CLOMR-F application. A memorandum was completed by the project biologist documenting compliance with the ESA requirements. An excerpt of the memorandum from the project biologist is provided in Appendix 2, the complete memorandum is included with the electronic files in Appendix 6.

The MT-1 forms are included in Appendix 1 and a reduced size excerpt of the proposed grading plan for the project is included in Appendix 5. The complete proposed plan set is included with the electronic files in Appendix 6.

LOMC Manager June 17, 2019 Page 3 of 3

This CLOMR-F request package includes the following Appendices:

Appendix 1: MT-1 Forms

Appendix 2: ESA Compliance Support Documentation

Appendix 3: Hydraulic Study Excerpts Appendix 4: Annotated FIRMettes

Appendix 5: Proposed Grading Plan and Deed

Appendix 6: Electronic Files

If you have any questions regarding this memorandum or need any additional information about this project, then please contact David Montgomery or myself at (916) 638-8200 or via email at dmontgomery@rickengineering.com and slillibridge@rickengineering.com.

Sincerely,

RICK ENGINEERING COMPANY

M. Scott Lillibridge R.C.E. #52504, Exp. 12/20 Region Manager

MT-1 Forms

DEPARTMENT OF HOMELAND SECURITY - FEDERAL EMERGENCY MANAGEMENT AGENCY PROPERTY INFORMATION FORM

O.M.B. NO. 1660-0015 Expires February 28, 2014

PAPERWORK BURDEN DISCLOSURE NOTICE

Public reporting burden for this data collection is estimated to average 1.63 hours per response. The burden estimate includes the time for reviewing instructions,

searching existing data sources, gathering and maintaining the needed data, and completing and submitting the form. This collection is required to obtain or retain benefits. You are not required to respond to this collection of information unless a valid OMB control number is displayed on this form. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing this burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 1800 South Bell Street, Arlington, VA 20598-3005, Paperwork Reduction Project (1660-0015). NOTE: Do not send your completed form to this address. This form may be completed by the property owner, property owner's agent, licensed land surveyor, or registered professional engineer to support a request for a Letter of Map Amendment (LOMA), Conditional Letter of Map Amendment (CLOMA), Letter of Map Revision Based on Fill (LOMR-F), or Conditional Letter of Map Revision Based on Fill (CLOMR-F) for existing or proposed, single or multiple lots/structures. In order to process your request, all information on this form must be completed in its entirety, unless stated as optional. Incomplete submissions will result in processing delays. Please check the item below that describes your request: A letter from DHS-FEMA stating that an existing structure or parcel of land that has not been elevated ☐ LOMA by fill (natural grade) would not be inundated by the base flood. A letter from DHS-FEMA stating that a proposed structure that is not to be elevated by fill (natural ☐ CLOMA grade) would not be inundated by the base flood if built as proposed. A letter from DHS-FEMA stating that an existing structure or parcel of land that has been elevated by LOMR-F fill would not be inundated by the base flood. A letter from DHS-FEMA stating that a parcel of land or proposed structure that will be elevated by fill CLOMR-F would not be inundated by the base flood if fill is placed on the parcel as proposed or the structure is built as proposed. Fill is defined as material from any source (including the subject property) placed that raises the ground to or above the Base Flood Elevation (BFE). The common construction practice of removing unsuitable existing material (topsoil) and backfilling with select structural material is not considered the placement of fill if the practice does not alter the existing (natural grade) elevation, which is at or above the BFE. Fill that is placed before the date of the first National Flood Insurance Program (NFIP) map showing the area in a Special Flood Hazard Area (SFHA) is considered natural grade. Has fill been placed on your property to raise Yes No ground that was previously below the BFE? If yes, when was fill placed? mm/dd/yyyy Will fill be placed on your property to raise 01/01/2020 ESTIMATED Yes* No ground that is below the BFE? If yes, when will fill be placed? mm/dd/yyyy * If yes, Endangered Species Act (ESA) compliance must be documented to FEMA prior to issuance of the CLOMR-F determination (please refer page 4 to the MT-1 instructions). Street Address of the Property (if request is for multiple structures or units, please attach additional sheet referencing each address and enter street names below): 39660 W Covell Blvd., Davis, CA 95616-6200 Legal description of Property (Lot, Block, Subdivision or abbreviated description from the Deed): Binning Ranch Holding Co LLC, APN: 036-060-005-000 Are you requesting that a flood zone determination be completed for (check one): Structures on the property? What are the dates of construction? 01/2020 (MM/YYYY) ESTIMATED A portion of land within the bounds of the property? (A certified metes and bounds description and map of the area to be removed, certified by a licensed land surveyor or registered professional engineer, are required. For the preferred format of metes and bounds descriptions, please refer to the MT-1 Form 1 Instructions.) The entire legally recorded property? Is this request for a (check one): Single structure Single lot Multiple structures (How many structures are involved in your request? List the number: 244) ESTIMATED Multiple lots (How many lots are involved in your request? List the number: ______)

| In addition to this form (MT-1 Form 1), please complete the checklist below. ALL | requests must include one copy of the following: |
|--|--|
| Copy of the effective FIRM panel on which the structure and/or propert regulatory floodway will require Section B of MT-1 Form 3) SEE A | by location has been accurately plotted (property inadvertently located in the NFIP $\Lambda PENDIX~4$ |
| Copy of the Subdivision Plat Map for the property (with recordation date | ta and stamp of the Recorder's Office) |
| | ccorder's Office), accompanied by a tax assessor's map or other certified map and watercourses. The map should include at least one street intersection that is |
| · | an Elevation Certificate has already been completed for this property, it may be ally recorded property, or a portion thereof, the lowest lot elevation must be |
| ■ Please include a map scale and North arrow on all maps submitted. | |
| For LOMR-Fs and CLOMR-Fs, the following must be submitted in addition to the it Form 3 – Community Acknowledgment Form | tems listed above: |
| For CLOMR-Fs, the following must be submitted in addition to the items listed about | ove: |
| determination from the National Marine Fisheries Service (NMFS) or the | I Take Permit, an Incidental Take Statement, a "not likely to adversely affect" e U.S. Fish and Wildlife Service (USFWS), or an official letter from NMFS or USFWS as or designated critical habitat. Please refer to the MT-1 instructions for additional |
| Please do not submit original documents. Please retain a copy of all su | ubmitted documents for your records. |
| DHS-FEMA encourages the submission of all required data in a digital submissions help to further DHS-FEMA's Digital Vision and also may fa | format (e.g. scanned documents and images on Compact Disc [CD]). Digital acilitate the processing of your request. |
| Incomplete submissions will result in processing delays. For additional info documents listed above, please refer to the MT-1 Form Instructions locate | |
| Processing Fee (see instructions for appropriate mailing address; or visit schedule) | http://www.fema.gov/fhm/frm_fees.shtm for the most current fee |
| Revised fee schedules are published periodically, but no more than once lot(s)/structure(s) LOMAs are fee exempt. The current review and proce | e annually, as noted in the Federal Register . Please note: single/multiple essing fees are listed below: |
| Check the fee that applies to your request: | |
| \$325 (single lot/structure LOMR-F following a CLOMR-F) | |
| \$425 (single lot/structure LOMR-F) | |
| \$500 (single lot/structure CLOMA or CLOMR-F) | |
| \$700 (multiple lot/structure LOMR-F following a CLOMR-F, | or multiple lot/structure CLOMA) |
| ■ \$800 (multiple lot/structure LOMR-F or CLOMR-F) | |
| Please submit the Payment Information Form for remittance of applicab | le fees. Please make your check or money order payable to: |
| National Flood Insurance Program. | |
| All documents submitted in support of this request are correct to the best of my or imprisonment under Title 18 of the United States Code, Section 1001. | y knowledge. I understand that any false statement may be punishable by fine |
| Applicant's Name (required): Scott Lillibridge | Company (if applicable): Rick Engineering Company |
| Mailing Address (required): | Daytime Telephone No. (required): (916) 638-8200 |
| 2525 East Bidwell Street, Folsom, CA 95630 | , |
| E-Mail Address (optional): By checking here you may receive correspondence electronically at the email address provided): | Fax No. (optional): (916) 934-5144 |
| slillibridge@rickengineering.com | |
| Date (required) | |
| | Signature of Applicant (required) |

DEPARTMENT OF HOMELAND SECURITY - FEDERAL EMERGENCY MANAGEMENT AGENCY **ELEVATION FORM**

O.M.B. NO. 1660-0015 Expires February 28, 2014

PAPERWORK BURDEN DISCLOSURE NOTICE

Public reporting burden for this data collection is estimated to average 1.25 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing and submitting the form. This collection is required to obtain or retain benefits. You are not required to respond to this collection of information unless a valid OMB control number is displayed on this form. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing this burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 1800 South Bell Street, Arlington, VA 20598-3005, Paperwork Reduction Project (1660-0015). NOTE: Do not send your completed form to this address.

| This form must be completed for req Flood Insurance Program (NFIP) Elev | • | • | | _ | | eyor. A DHS - FEMA National | | | | |
|---|--|----------------------------------|--|---|-------------------------|-----------------------------|--|--|--|--|
| for requests to remove a structure on natural grade OR on engineered fill from the Special Flood Hazard Area (SFHA), submit the lowest adjacent grade (the lowest ground touching the structure), including an attached deck or garage. For requests to remove an entire parcel of land from the SFHA, provide the lowest lot elevation; or, if the request involves an area described by metes and bounds, provide the lowest elevation within the metes and bounds description. All measurements are to be ounded to nearest tenth of a foot. In order to process your request, all information on this form must be completed in its entirety. Incomplete submissions will esult in processing delays. | | | | | | | | | | |
| . NFIP Community Number: 060424 Property Name or Address: 39660 W Covell Blvd., Davis, CA 95616-6200 | | | | | | | | | | |
| . Are the elevations listed below based on <i>existing</i> or <i>proposed</i> conditions? (Check one) | | | | | | | | | | |
| 3. For the existing or proposed structures listed below, what are the types of construction? (check all that apply) ☐ crawl space slab on grade basement/enclosure other (explain) | | | | | | | | | | |
| Has DHS - FEMA identified t If yes, what is the date | - | | lence or uplift? (see / (month/ye | | res 🔳 No | | | | | |
| What is the elevation datun If any of the elevations liste (FIRM) (e.g., NGVD 29 or NA | d below were co | omputed using a as the conversio | datum different the n factor? [EI. NG\ | 'D-29] = [EI. NAVD | | ood Insurance Rate Map | | | | |
| Ind Please provide the Latitude | Local Elevation +/- ft. = FIRM Datum 5. Please provide the Latitude and Longitude of the most upstream edge of the <i>structure</i> (in decimal degrees to the nearest fifth decimal place): Indicate Datum: ☐ WGS84 ☐ NAD83 ☐ NAD27 Lat. 38.56100Long121.77701 Please provide the Latitude and Longitude of the most upstream edge of the <i>property</i> (in decimal degrees to the nearest fifth decimal place): Indicate Datum: ☐ WGS84 ☐ NAD83 ☐ NAD27 Lat. 38.56100Long121.77701 | | | | | | | | | |
| Address | Lot Number | Block Number | Lowest Lot Elevation* | Lowest Adjacent Grade To Structure | Base Flood Elevation | BFE Source | | | | |
| 39660 W Covell Blvd., Davis, CA 95616-6200 | All Lots | | 50+/- 50.7'+ | | 50.7' | PROJECT SPECIFIC STUDY | | | | |
| | | | | | | | | | | |
| This certification is to be signed and information. All documents submitted by fine or imprisonment under Title | ed in support of th | is request are cor | ect to the best of my | _ | and that any false sta | atement may be punishable | | | | |
| Certifier's Name: Scott Lillibridge | | | cense No.: c.E. #52504 | | Expiration Date: | [:] 12/01/2020 | | | | |
| Company Name: Rick Engineering Company | | | elephone No.: 6) 638-8200 | | | | | | | |
| Email: slillibridge@rickengineering.com | | | ax No. 6) 934-5144 | | | | | | | |
| Signature: | | D | ate: | | | | | | | |
| For requests involving a portion of property, include the lowest ground elevation within the metes and bounds description. Seal (optional) Please note: If the Lowest Adjacent Grade to Structure is the only elevation provided, a determination | | | | | | | | | | |
| the metes and bounds description. Please note: If the Lowest Adjacent | the metes and bounds description. Seal (optional) | | | | | | | | | |

DEPARTMENT OF HOMELAND SECURITY - FEDERAL EMERGENCY MANAGEMENT AGENCY COMMUNITY ACKNOWLEDGMENT FORM

O.M.B. NO. 1660-0015 Expires February 28, 2014

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Public reporting burden for this data collection is estimated to average 1.38 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing and submitting the form. This collection is required to obtain or retain benefits. You are not required to respond to this collection of information unless a valid OMB control number is displayed on this form. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing this burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 1800 South Bell Street, Arlington, VA 20598-3005, Paperwork Reduction Project (1660-0015). NOTE: Do not send your completed form to this address.

| completed form to this address. | | | |
|---|--|---|---|
| This form must be completed for requests involving the existi remove a property from the SFHA which was previously located. | • | , . | /ide acknowledgment of this request to |
| This form must be completed and signed by the official responsubject property address must appear in the spaces provider for additional information about this form. | | - | = |
| Community Number: 060423 | Property Name or Address: 396 | 60 W Covell Blvd., D | Davis, CA 95616-6200 |
| A. REQUESTS INVOLVING THE PLACEMENT OF FILL | | | |
| As the community official responsible for floodplain markevision Based on Fill (LOMR-F) or Conditional LOMR-F meets or is designed to meet all of the community floor regulatory floodway, and that all necessary Federal, Star For Conditional LOMR-F requests, the applicant has or Conditional LOMR-F determination. For LOMR-F requested independently of FEMA's process. Section 9 of the ESA an endangered species, a permit is required from U.S. For actions authorized, funded, or being carried out by Section 7(a)(2) of the ESA will be submitted. In addition from the SFHA are or will be reasonably safe from floor analyses and documentation used to make this determ FEMA for a possible map revision. Community Comments: | request. Based upon the communicipal management requirements ate, and local permits have been, considered species sts, I acknowledge that compliance prohibits anyone from "taking" or Fish and Wildlife Service or National Federal or State agencies, document, we have determined that the landing as defined in 44CFR 65.2(c), and | nity's review, we find the including the requirent or in the case of a Condition of the case | the completed or proposed project ment that no fill be placed in the itional LOMR-F, will be obtained. to FEMA prior to issuance of the 0 of the ESA has been achieved at species. If an action might harm vice under Section 10 of the ESA. cy showing its compliance with proposed structures to be removed one upon request by DHS-FEMA, all |
| Community Official's Name and Title: (Please Print or | Туре) | | Telephone No.: |
| Community Name: Yolo County | Community Official's Signature: | (required) | Date: |
| As the community official responsible for floodplain materials. We understand that this request is being forwaregulatory floodway. We acknowledge that it fill on that the completed or proposed project meets or is decommunity Comments: Community Official's Name and Title: (Plane Print or Section 2) | anagement, I hereby acknowledge arded to DHS-FEMA to determine i his property has been or will be pla Signed to meet all of the communi | f this property has be- aced within the designa to Goodplain managem | rmadvertently included in the ated regulatory floodway. We find |
| | | | |

DEPARTMENT OF HOMELAND SECURITY - FEDERAL EMERGENCY MANAGEMENT AGENCY COMMUNITY ACKNOWLEDGMENT FORM

O.M.B. NO. 1660-0015 Expires February 28, 2014

PAPERWORK BURDEN DISCLOSURE NOTICE

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| Federal Emergency Management Agency, 1800 South Bell Str. completed form to this address. | eet, Arlington, VA 20598-3005, Pa | perwork Reduction Project (16 | 560-0015). NOTE: Do not send your |
|---|---|--|---|
| This form must be completed for requests involving the existi remove a property from the SFHA which was previously located | | | vide acknowledgment of this request to |
| This form must be completed and signed by the official respo- subject property address must appear in the spaces provider for additional information about this form. | d below. Incomplete submissions | will result in processing dela | ys. Please refer to the MT-1 instructions |
| Community Number: 060424 | Property Name or Address: | 39660 W Covell Blvd., I | Davis, CA 95616-6200 |
| A. REQUESTS INVOLVING THE PLACEMENT OF FILL | | | |
| As the community official responsible for floodplain markevision Based on Fill (LOMR-F) or Conditional LOMR-F meets or is designed to meet all of the community flooregulatory floodway, and that all necessary Federal, Star For Conditional LOMR-F requests, the applicant has or Conditional LOMR-F determination. For LOMR-F requested independently of FEMA's process. Section 9 of the ESA an endangered species, a permit is required from U.S. For actions authorized, funded, or being carried out by Section 7(a)(2) of the ESA will be submitted. In addition from the SFHA are or will be reasonably safe from flood analyses and documentation used to make this determ FEMA for a possible map revision. Community Comments: | request. Based upon the complain management requirement, and local permits have been will document Endangered Spests, I acknowledge that compliprohibits anyone from "taking Fish and Wildlife Service or Nated Tederal or State agencies, document, we have determined that the ding as defined in 44CFR 65.2(c) | nmunity's review, we find tents, including the requireren, or in the case of a Condecies Act (ESA) compliance ance with Sections 9 and 1 or narming an endangere tional Marine Fisheries Serumentation from the agence land and any existing or personal that we have available. | the completed or proposed project ment that no fill be placed in the ditional LOMR-F, will be obtained. It to FEMA prior to issuance of the 0 of the ESA has been achieved ed species. If an action might harm evice under Section 10 of the ESA. Incry showing its compliance with proposed structures to be removed ble upon request by DHS-FEMA, all |
| Community Official's Name and Title: (Please Print or | Туре) | | Telephone No.: |
| Community Name: City of Davis | Community Official's Signatu | re: (required) | Date: |
| B. PROPERTY LOCATED WITHIN THE REGULATORY FLO | DODWAY | | |
| As the community offician exponsible for floodplain matched. We understand that this request is being forwaregulatory floodway. We acknowledge that at fill on that the completed or proposed project meets or is decommunity Comments: | arded to DHS-FEMA to determi his property has been or will b | ne if this property has be e placed within the designa | armadvertently included in the ated regulatory floodway. We find |
| Community Official's Name and Title: (Place Print or | Туре) | | Telephone No.: |
| Community Name: | Community Official's Signatu | re (required): | Date: |

FEDERAL EMERGENCY MANAGEMENT AGENCY PAYMENT INFORMATION FORM

| Community Name: City of Davis Project Identifier: 39660 W Cov | vell Blvd., Davis, CA 95616-6200 | | | | | | | | | |
|--|---|---|--------------------------------|--|--|--|--|--|--|--|
| THIS FORM MUST BE MAILED, ALONG WITH THE APPROPRIATE FEE, TO THE ADDRESS BELOW OR FAXED TO THE FAX NUMBER BELOW. | | | | | | | | | | |
| Please make check or money order payable to the National Flood Insurance Program. | | | | | | | | | | |
| Type of Request: | MT-1 application MT-2 application | LOMC Clearinghouse 847 South Pickett Street Alexandria, VA 22304-4605 Attn.: LOMC Manager | | | | | | | | |
| Request No. (if known): | EDR application | FEMA Project Library 847 South Pickett Street Alexandria, VA 22304-4605 FAX (703) 212-4090 | ELECTRONIC: \$800 PAPER: \$900 | | | | | | | |
| | | | | | | | | | | |
| _ | | IASTER CARD | MONEY ORDER | | | | | | | |
| | d/or Alluvial Fan requests (as ap ting a corrected fee for an ongo | | | | | | | | | |
| COMPLETE THIS SECTION ON | LY IF PAYING BY CREDIT CARD | | | | | | | | | |
| | CARD NUMBER | | EXP. DATE | | | | | | | |
| 1 2 3 4 5 | 6 7 8 9 10 11 | 12 13 14 15 16 | Month Year | | | | | | | |
| Date | | Signature | | | | | | | | |
| NAME (AS IT APPEARS ON CAR (please print or type) | RD): | - | | | | | | | | |
| ADDRESS: (for your credit card receipt-please print or type) DAYTIME PHONE: | _ | - | | | | | | | | |

ESA Compliance Support Documentation

Insert Copy of ESA Compliance Support Documentation

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Hydraulic Study Excerpts



Memorandum

TO: Brian Foster

Cunningham Engineering 2120 20th Street, Suite Three Sacramento, California 95818

FROM: David Montgomery

Rick Engineering Company 2525 East Bidwell Street Folsom, California 95630

DATE: June 17, 2019

SUBJECT: BRETTON WOODS PRELIMINARY HYDROLOGY AND HYDRAULICS

ANALYSIS

(RICK JOB NUMBER: 18463)

This memorandum presents the results of the preliminary hydrologic and hydraulic analysis prepared for the proposed Bretton Woods project in the City of Davis, California. The proposed project site is shown on the vicinity map in Figure 1 on page 2. The project consists of approximately 75 acres, currently undeveloped, and proposed as an active adult community consisting of 561 units. The project site is located within Federal Emergency Management Agency (FEMA) Zone A flooding per FEMA Flood Insurance Rate Map (FIRM) numbers 06113C0584G and 06113C0592G, both effective June 18, 2010.

The area around the proposed Bretton Woods project site is subject to flooding from the 100-year storm event in the existing and proposed condition. Flow is generally conveyed from the west and north of the site towards Highway 113 to the east. Flows leaving the area are restricted by Covell Boulevard to the south and H-113 to the east. Flow is able to leave the area through a culvert under H-113 and by weir flowing into the sump where Highway 113 passes under Covell Boulevard.

RICK has conducted a preliminary hydrologic and hydraulic analysis of the area in the existing and proposed conditions.

1.0 Hydrologic Analysis

Hydrology for the area was analyzed by utilizing the 100-year, 10-day HEC-1 model provided to RICK by the City of Davis on November 21, 2018 and modified to produce existing and proposed condition models including current land use data for the project site.

The project proposes to utilize offline detention to attenuate increases in peak flow leaving the area in the proposed condition which required the use of more complex hydraulic modeling capabilities than HEC-1 is able to provide. RICK developed HEC-RAS models for the existing and proposed condition with updated stage-storage-outflow rating curves for the respective conditions in order to calculate the peak ponding elevation and outflow leaving the project vicinity.

1.2.2 Proposed Condition

The proposed condition included the proposed project grading which includes raising the majority of the 75 acre project site above the ponding elevation and constructing a channel around the perimeter of the site. This changes the stage-storage relationship of the basin. In order to mitigate for increased runoff due to the impervious area developed by the proposed project and the revised stage-storage relationship, the project proposes to utilize an "offline" storage area to store the peak of the hydrograph in order to result in no increases in peak flows for the 100-year, 10-day storm event due to the proposed project.

The proposed condition model consists of the inline storage area, that models the revised proposed condition stage-storage-outflow characteristics of the overall basin, and an offline storage area, that models offline storage area northwest of the project site as shown on the proposed hydrologic workmap in Appendix 3. The inline and offline storage areas are connected with a lateral structure that models a weir that will allow flow to pass between the two storage areas. The outflow rating curve from the overall basin is unchanged in the proposed condition as there are no proposed revisions to the culvert under or the weir into H-113.

2.0 Hydrologic Results

The project site grading, the offline storage volume provided, and the weir configuration connecting the two were iterated in order to find the proposed solution which does not result in increased detained peak flows for the 100-year, 10-day storm event with the development of the proposed project. Table 1, following, summarizes the results of the hydrologic modeling for the 100-year, 10-day storm event in the existing and proposed conditions.

Table 1: Hydrologic Results Summary

| Jan 19 | Peak F | | |
|--------------------|------------|----------|-----------------------------|
| Analysis | Undetained | Detained | Peak Stage (ft, NAVD-88) |
| Existing Condition | 1307.14 | 978.56 | 50.49 |
| Proposed Condition | 1307.67 | 978.25 | 50.49 |

As shown in Table 1, the proposed condition results in a slight increase in peak flows from the basin in the proposed condition which is then attenuated by the detention provided by the proposed project. The runoff from the proposed site increases from 32cfs in the existing condition to 48cfs in the proposed condition. The slight increase in the overall peak flow is a result of the projects small area of 0.12 square miles versus the overall watershed area of 11.4 square miles and the peak of the hydrograph for the site does not align with the peak of the hydrograph for the overall watershed. Additionally, the project is proposed to mitigate for its increased runoff separately from this analysis to demonstrate compliance with hydromodification management requirements.

3.0 Hydraulic Analysis

As noted previously, the majority of the project site is shown within FEMA Zone A flooding. Zone A flooding is defined as areas subject to inundation by the 1-percent-annual-chance flood event generally determined using approximate methodologies.

The project proposes to fill the majority of the 75 acre site above the floodplain and construct a channel around the site perimeter to provide conveyance for flood flows around the site. Hydraulics for the area in the vicinity of the project site was analyzed using the HEC-RAS software to establish base flood elevations, to ensure that the proposed project does not negatively impact any existing structures within the floodplain, and to ensure that structures constructed within the proposed project are reasonably safe from flooding due to the 100-year storm event in accordance with FEMA and City floodplain requirements.

1-dimensional steady-flow models were developed for the existing and proposed conditions and analyzed utilizing the HEC-RAS version 5.0.6 software. The model cross sections were cut utilizing the same topography used in the hydrologic analysis. In order to be conservative, the undetained peak flow was utilized and the peak stage calculated in the hydrologic analysis was used as the starting water surface elevation. Areas of ineffective flow were added to the cross sections as appropriate to model the conveyance shadow of structures or ground obstructions and are shown on the workmaps in Appendices 6 and 8 respectively. Manning's n-values were assigned to the models based on aerial imagery and a visit to the site on December 21, 2018.

Workmaps for the existing and proposed condition HEC-RAS analysis are included in Appendices 6 and 8 respectively. Output from the existing and proposed condition HEC-RAS models is included in Appendices 7 and 9 respectively. A copy of the HEC-RAS models for the existing and proposed conditions are included with the electronic files in Appendix 10.

4.0 Hydraulic Results

Table 2, following, summarizes the results of the hydraulic modeling for the 100-year storm event in the existing and proposed conditions.

Table 2: Hydraulic Results Summary

| Cross Section | Water Elev (ft, NA | Proposed - Existing | |
|------------------|--------------------------|---------------------|-------|
| | Existing | 6 | |
| 1 | 50.49 | 50.49 | 0.00 |
| 2 | 50.50 | 50.50 | 0.00 |
| 3 | 50.51 | 50.50 | -0.01 |
| 4 | 50.52 | 50.50 | -0.02 |
| 5 | 50.54 | 50.51 | -0.03 |
| 6 | 50.57 | 50.54 | -0.03 |
| 7 | 50.60 | 50.57 | -0.03 |
| 8 | 50.71 | 50.71 | 0.00 |
| 9 | 51.26 | 51.26 | 0.00 |
| 10 | 51.80 | 51.80 | 0.00 |
| 11 | 52.22 | 52.22 | 0.00 |

Brian Foster June 17, 2019 Page 6 of 6

The proposed Bretton Woods project results in no negative impacts to the existing structures within the floodplain for Covell Drain. The proposed structures will have their lowest adjacent grade, the lowest ground elevation directly adjacent to the structure, elevated above the 100-year water surface elevation and their finished floor elevation elevated a minimum of 1 foot above the 100-year water surface elevation. These modeling results will be used as the basis of a CLOMR-F for the proposed project.

5.0 Appendices

Appendix 1: Existing Condition Hydrologic Workmap Appendix 2: Existing Condition Hydrologic Model Output

2A: HEC-1 Model Output 2B: HEC-RAS Model Output

Appendix 3: Proposed Condition Hydrologic Workmap Appendix 4: Proposed Condition Hydrologic Model Output

4A: HEC-1 Model Output4B: HEC-RAS Model Output

Appendix 5: Hydrologic Model Backup

Appendix 6: Existing Condition HEC-RAS Workmap
Appendix 7: Existing Condition HEC-RAS Model Output
Appendix 8: Proposed Condition HEC-RAS Workmap
Appendix 9: Proposed Condition HEC-RAS Model Output

Appendix 10: Electronic Files

6.0 Conclusion

This memorandum presents the results of the preliminary hydrologic and hydraulic analysis prepared for the proposed Bretton Woods project in the City of Davis, California. It demonstrates that the proposed project will not increase peak flows or ponding water surface elevations for the 100-year, 10-day storm event. It also demonstrates that the proposed channelization of flows around the project site will not negatively impact flooding water surface elevations or existing structures within the floodplain.

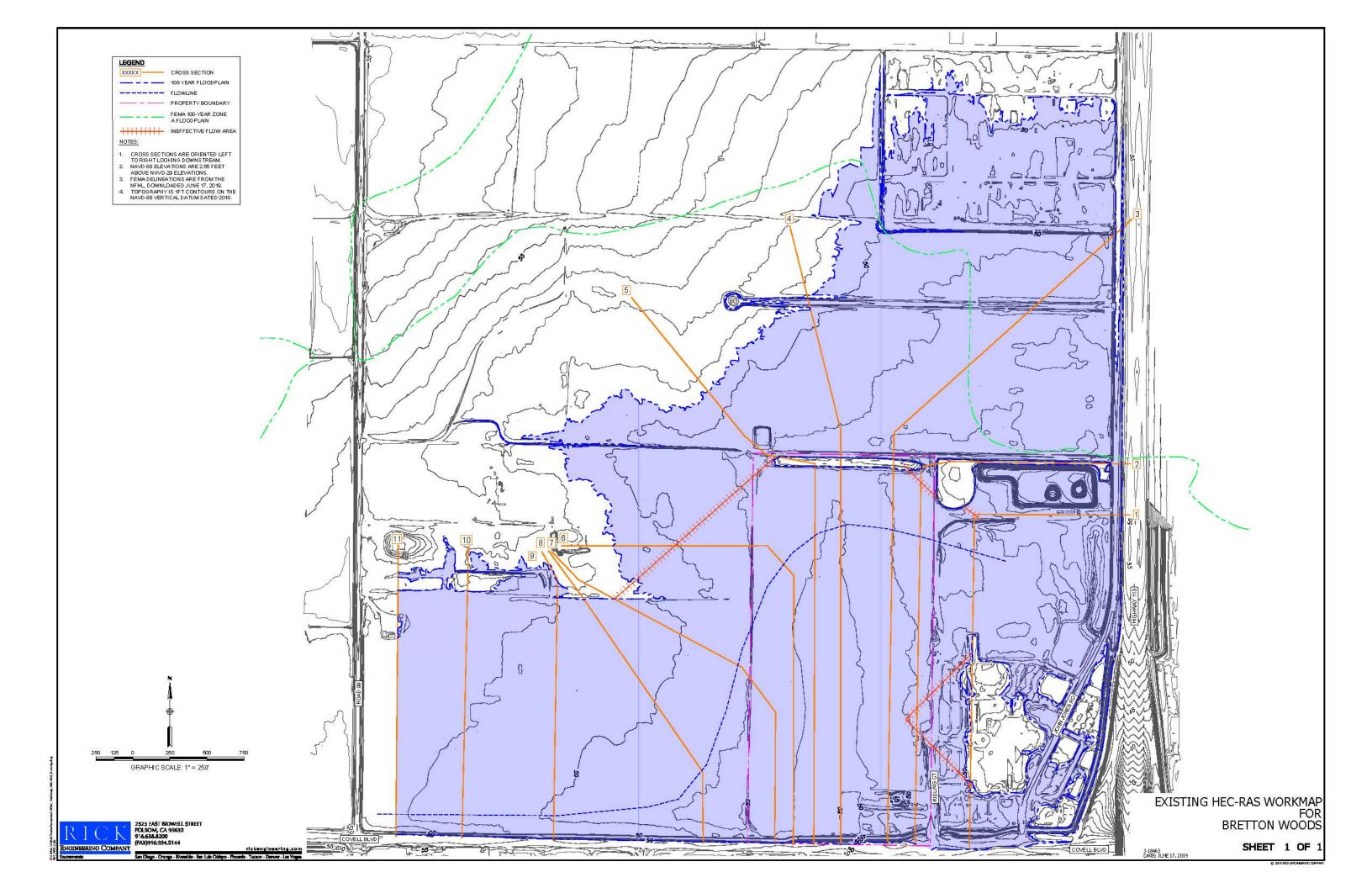
If you have any questions regarding this memorandum or need any additional information about this project, then please contact David Montgomery or myself at (916) 638-8200 or via email at dmontgomery@rickengineering.com and slillibridge@rickengineering.com.

Sincerely,

RICK ENGINEERING COMPANY

M. Scott Lillibridge R.C.E. #52504, Exp. 12/20 Region Manager

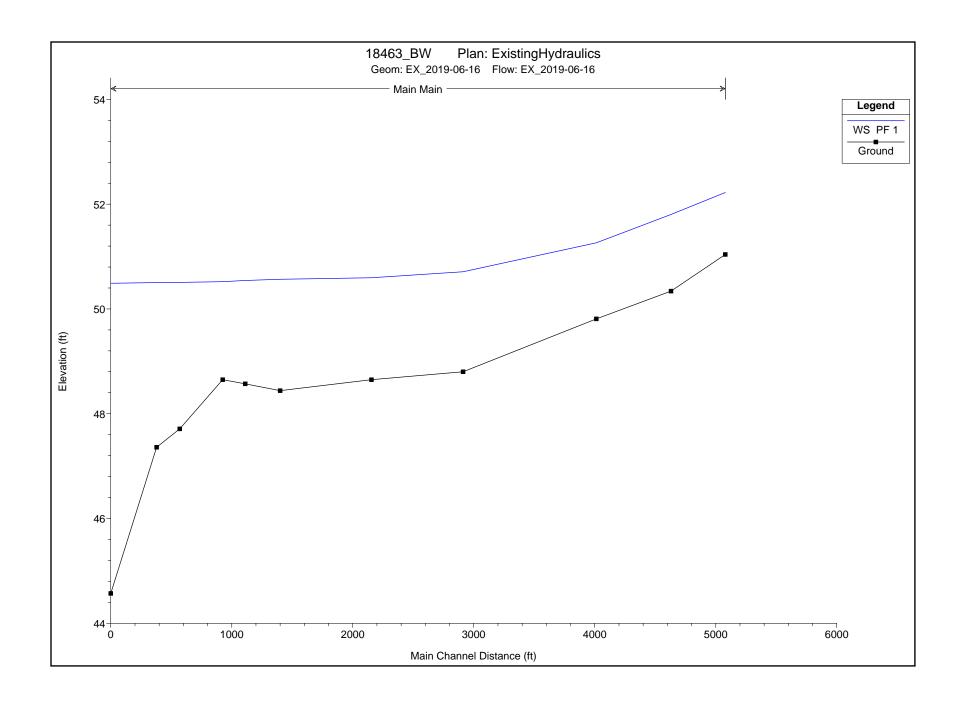
Existing Condition HEC-RAS Workmap

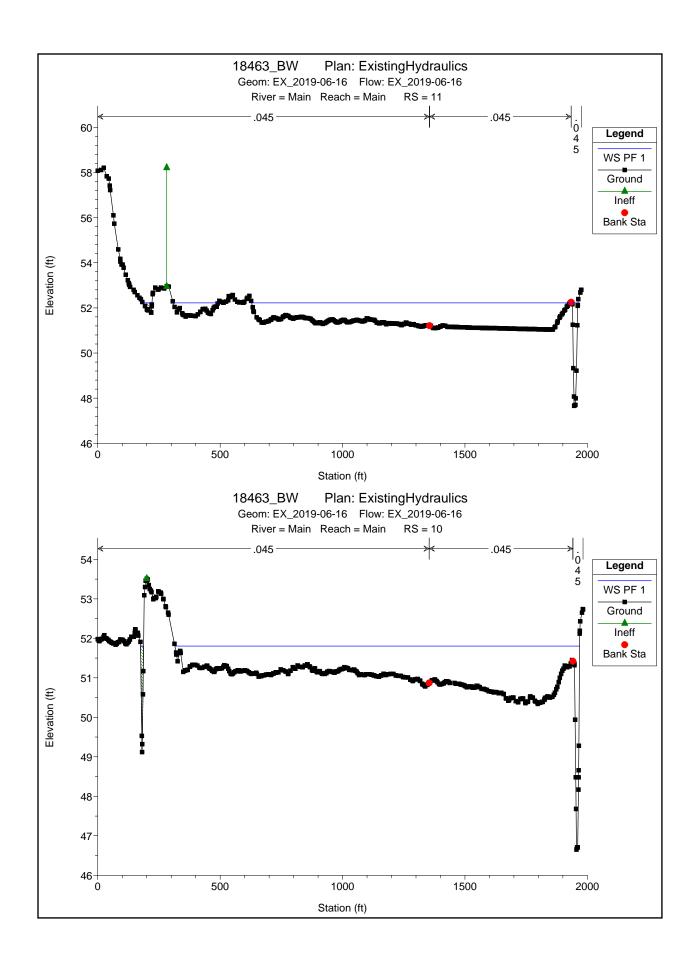


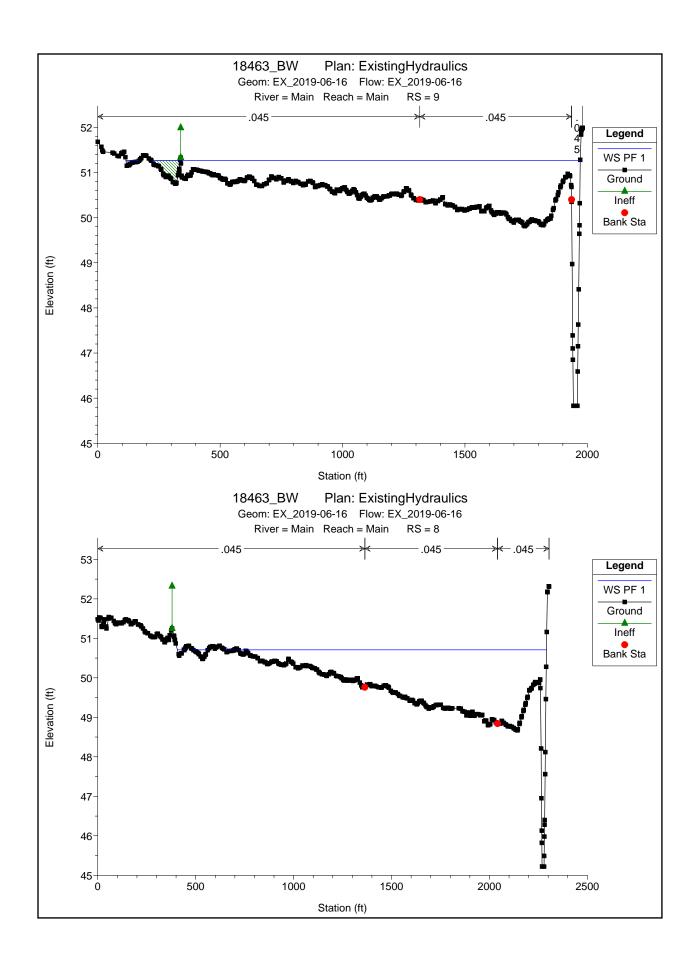
Existing Condition HEC-RAS Model Output

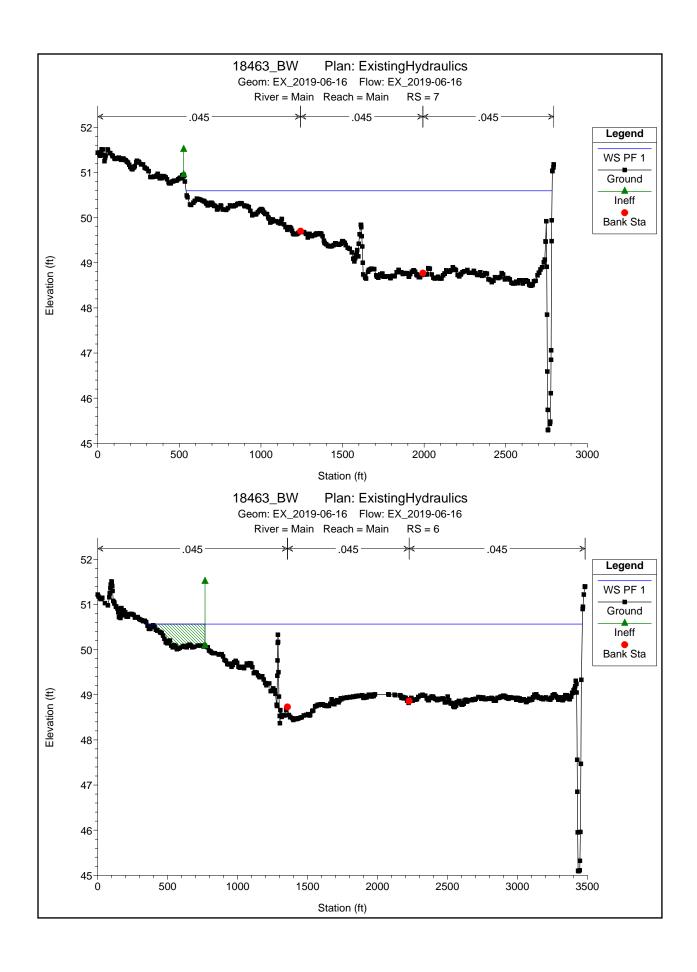
HEC-RAS Plan: ExistingHydraulics River: Main Reach: Main Profile: PF 1

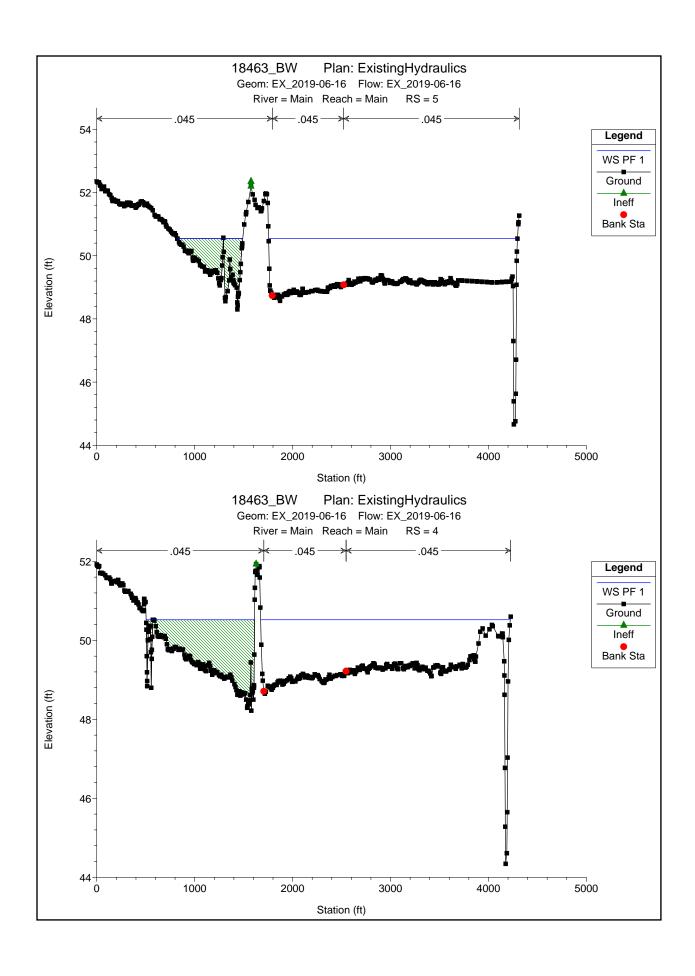
| Reach | River Sta | Profile | Q Total | Min Ch El | W.S. Elev | Crit W.S. | E.G. Elev | E.G. Slope | Vel Chnl | Flow Area | Top Width | Froude # Chl |
|-------|-----------|---------|---------|-----------|-----------|-----------|-----------|------------|----------|-----------|-----------|--------------|
| | | | (cfs) | (ft) | (ft) | (ft) | (ft) | (ft/ft) | (ft/s) | (sq ft) | (ft) | |
| Main | 1 | PF 1 | 1307.14 | 44.57 | 50.49 | 47.31 | 50.49 | 0.000064 | 0.51 | 2798.77 | 2336.20 | 0.05 |
| Main | 2 | PF 1 | 1307.14 | 47.36 | 50.50 | 48.02 | 50.50 | 0.000014 | 0.25 | 5671.50 | 2725.11 | 0.03 |
| Main | 3 | PF 1 | 1307.14 | 47.71 | 50.51 | | 50.51 | 0.000022 | 0.28 | 5143.87 | 4713.29 | 0.03 |
| Main | 4 | PF 1 | 1307.14 | 48.65 | 50.52 | | 50.52 | 0.000111 | 0.46 | 3198.05 | 3656.21 | 0.07 |
| Main | 5 | PF 1 | 1307.14 | 48.57 | 50.54 | | 50.54 | 0.000063 | 0.37 | 3796.58 | 3210.25 | 0.05 |
| Main | 6 | PF 1 | 1307.14 | 48.44 | 50.57 | | 50.57 | 0.000045 | 0.32 | 4259.40 | 3112.97 | 0.04 |
| Main | 7 | PF 1 | 1307.14 | 48.65 | 50.60 | | 50.60 | 0.000094 | 0.42 | 2993.45 | 2242.77 | 0.06 |
| Main | 8 | PF 1 | 1307.14 | 48.80 | 50.71 | | 50.72 | 0.000399 | 0.81 | 1683.07 | 1735.28 | 0.12 |
| Main | 9 | PF 1 | 1307.14 | 49.81 | 51.26 | | 51.29 | 0.000810 | 0.98 | 1334.49 | 1802.34 | 0.17 |
| Main | 10 | PF 1 | 1307.14 | 50.34 | 51.80 | | 51.82 | 0.000906 | 1.05 | 1387.55 | 1665.43 | 0.18 |
| Main | 11 | PF 1 | 1307.14 | 51.04 | 52.22 | | 52.24 | 0.000949 | 1.05 | 1324.21 | 1544.75 | 0.18 |

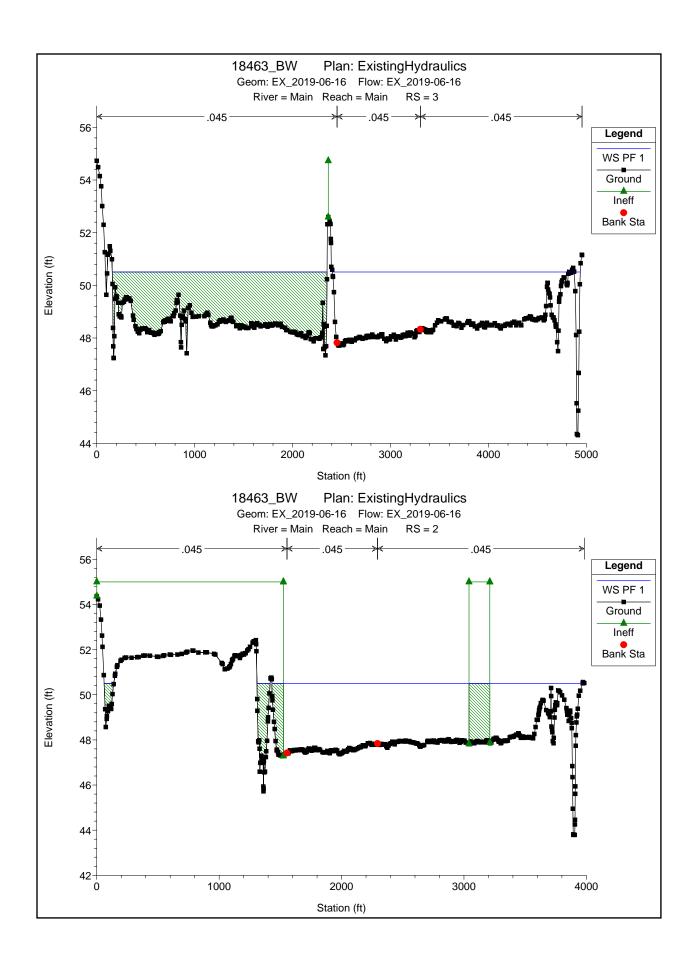


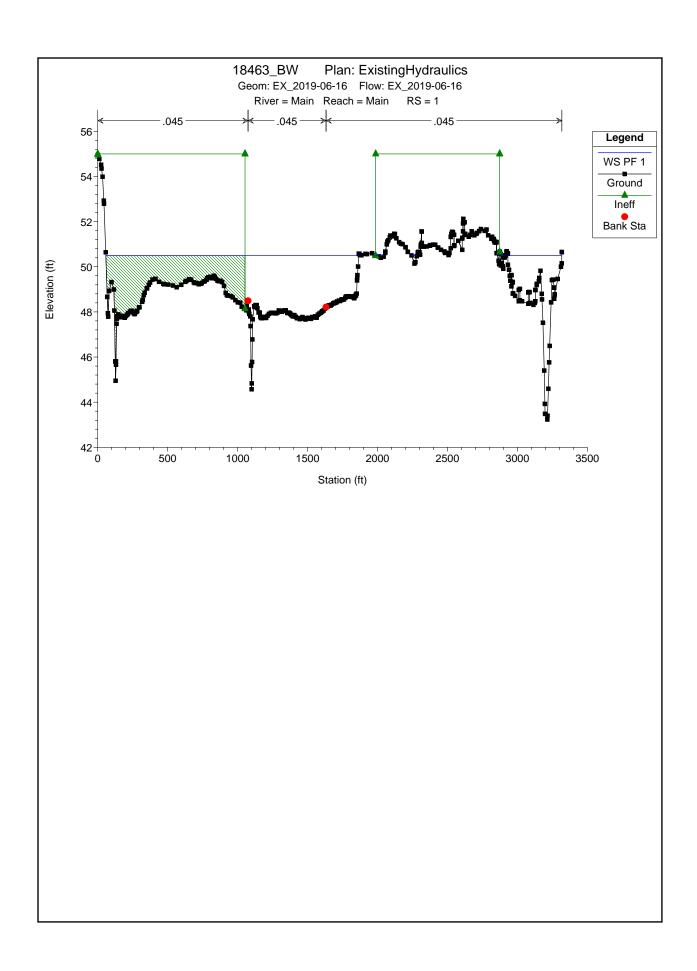




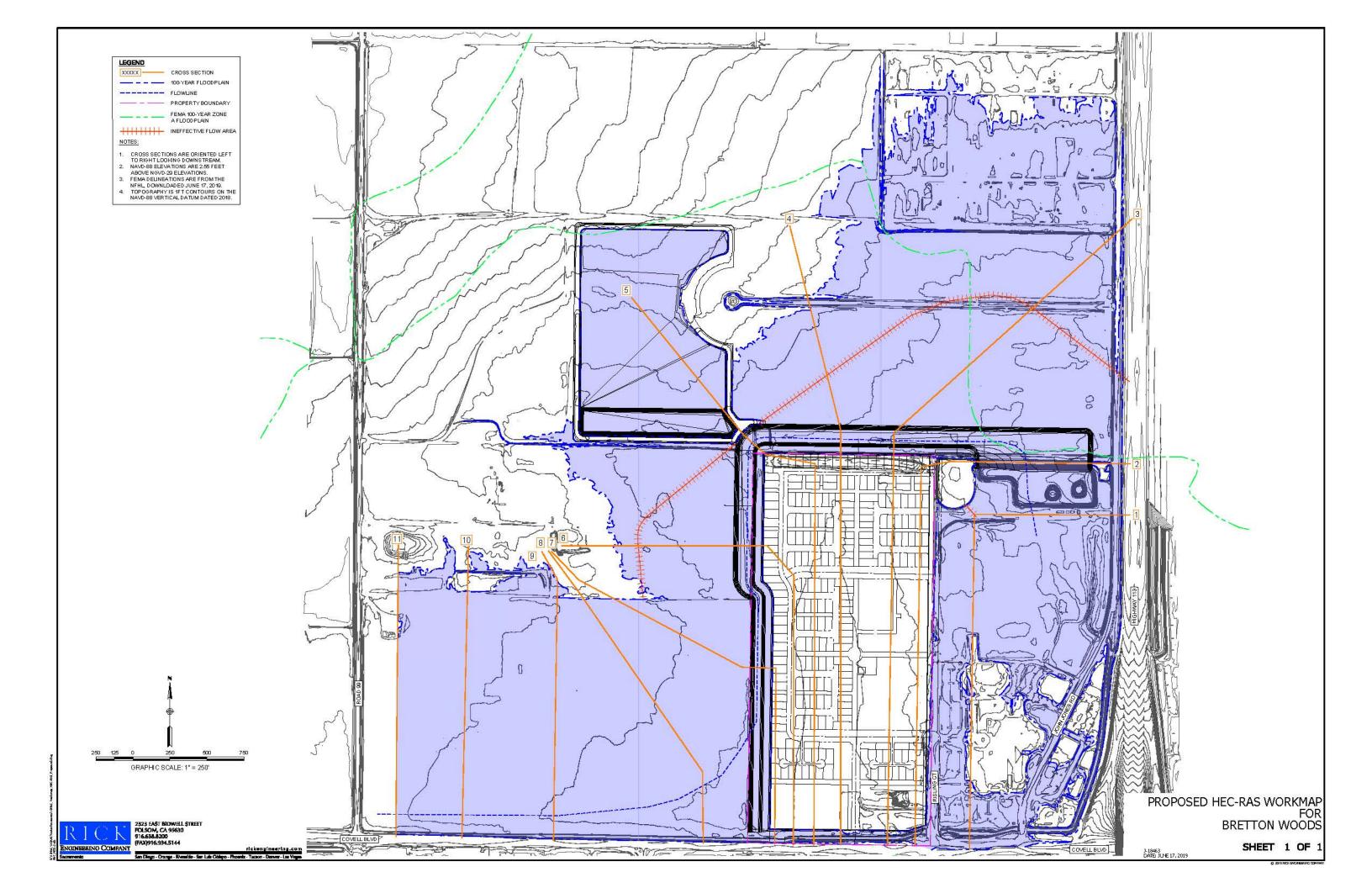








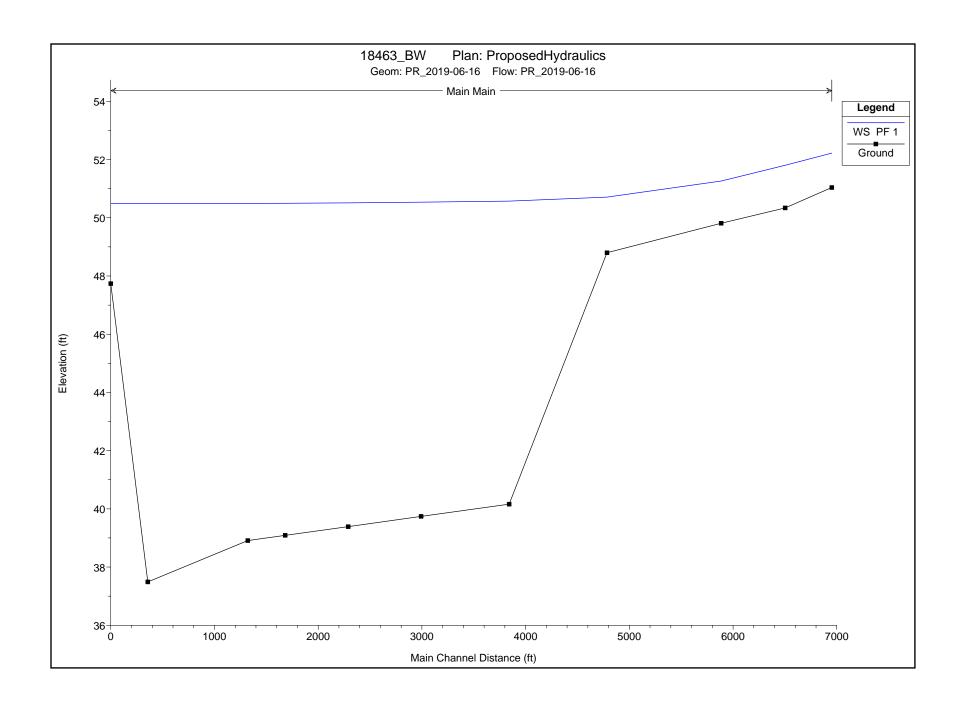
Proposed Condition HEC-RAS Workmap

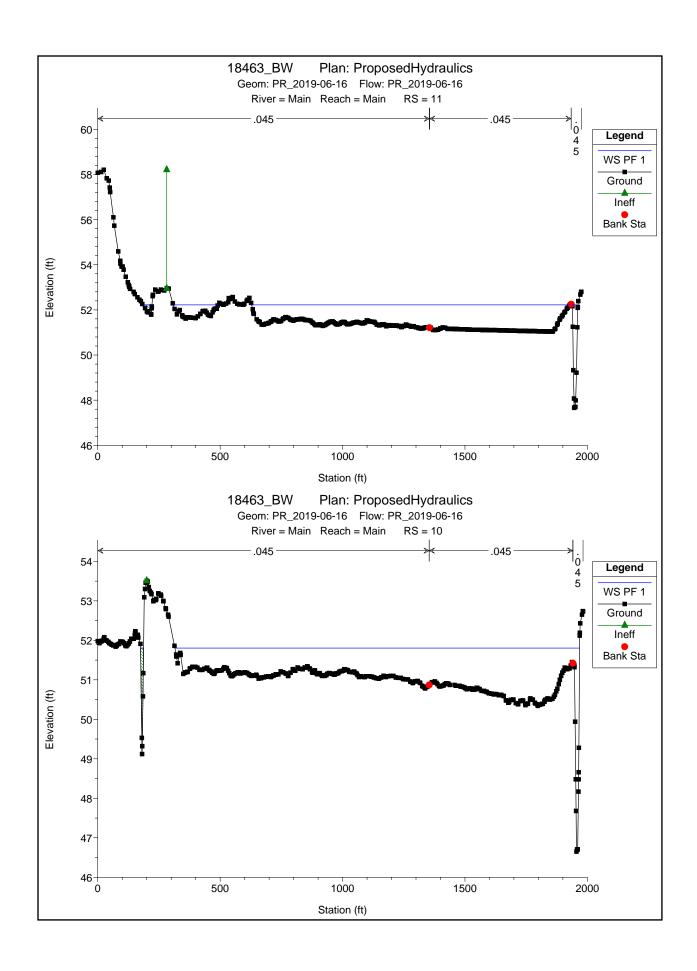


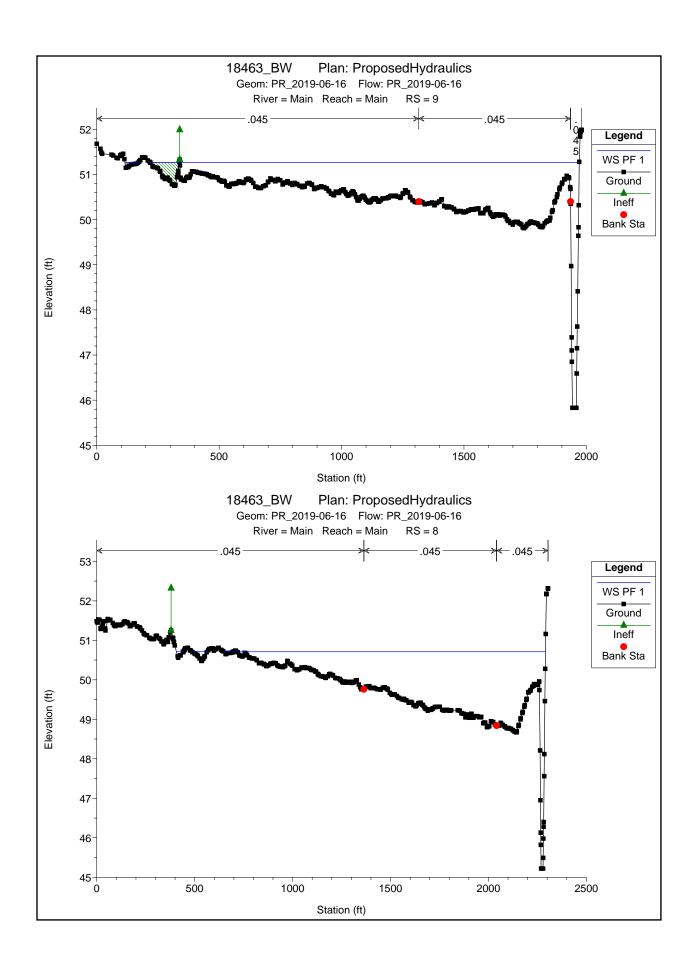
Proposed Condition HEC-RAS Model Output

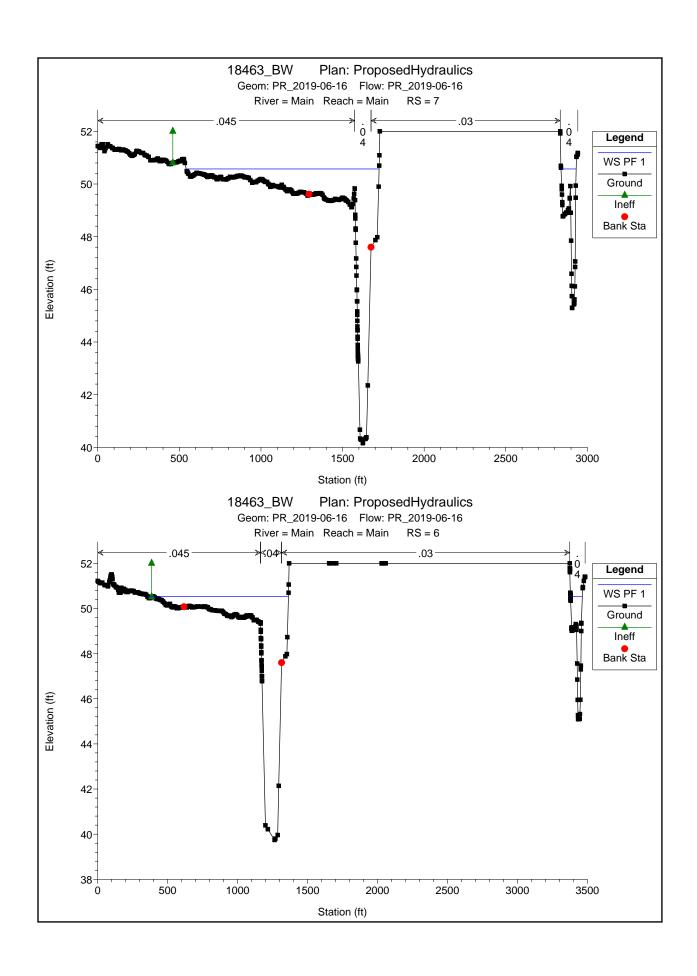
HEC-RAS Plan: ProposedHydraulics River: Main Reach: Main Profile: PF 1

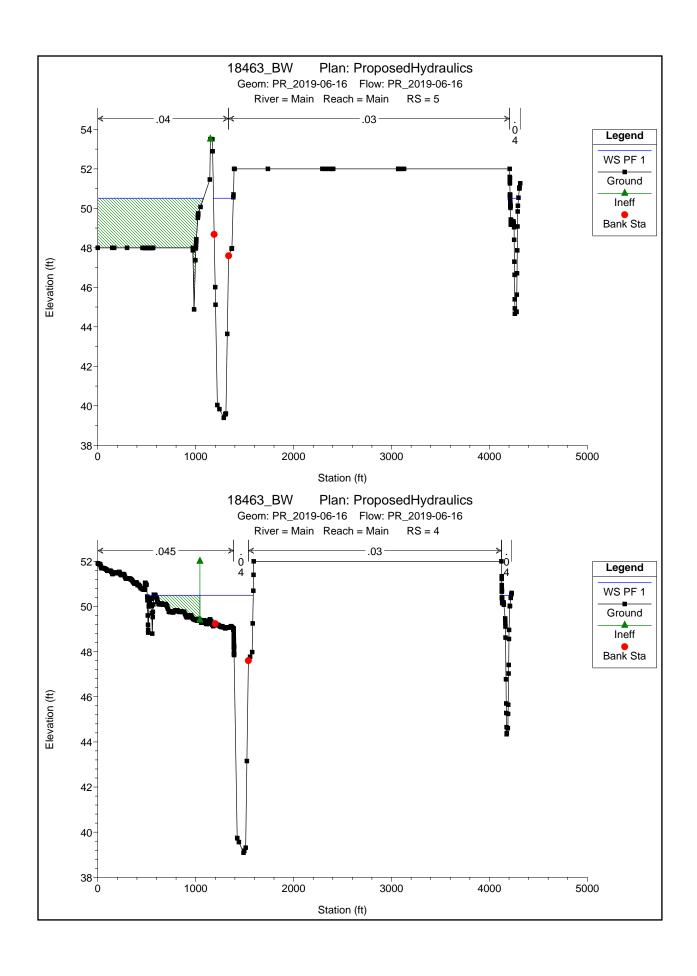
| Reach | River Sta | Profile | Q Total | Min Ch El | W.S. Elev | Crit W.S. | E.G. Elev | E.G. Slope | Vel Chnl | Flow Area | Top Width | Froude # Chl |
|-------|-----------|---------|---------|-----------|-----------|-----------|-----------|------------|----------|-----------|-----------|--------------|
| | | | (cfs) | (ft) | (ft) | (ft) | (ft) | (ft/ft) | (ft/s) | (sq ft) | (ft) | |
| Main | 1 | PF 1 | 1307.67 | 47.74 | 50.49 | 47.41 | 50.49 | 0.000117 | 0.48 | 2479.54 | 2336.20 | 0.07 |
| Main | 2 | PF 1 | 1307.67 | 37.49 | 50.50 | | 50.50 | 0.000001 | 0.15 | 8651.99 | 972.50 | 0.01 |
| Main | 3 | PF 1 | 1307.67 | 38.91 | 50.50 | | 50.50 | 0.000010 | 0.38 | 4343.01 | 2242.70 | 0.03 |
| Main | 4 | PF 1 | 1307.67 | 39.09 | 50.50 | | 50.51 | 0.000025 | 0.71 | 2154.30 | 1160.97 | 0.06 |
| Main | 5 | PF 1 | 1307.67 | 39.39 | 50.51 | | 50.52 | 0.000030 | 0.88 | 1667.80 | 1367.35 | 0.05 |
| Main | 6 | PF 1 | 1307.67 | 39.74 | 50.54 | | 50.54 | 0.000030 | 0.69 | 2087.49 | 1091.47 | 0.08 |
| Main | 7 | PF 1 | 1307.67 | 40.16 | 50.57 | | 50.58 | 0.000072 | 0.95 | 1787.33 | 1275.17 | 0.10 |
| Main | 8 | PF 1 | 1307.14 | 48.80 | 50.71 | | 50.72 | 0.000397 | 0.81 | 1685.98 | 1737.36 | 0.12 |
| Main | 9 | PF 1 | 1307.14 | 49.81 | 51.26 | | 51.29 | 0.000810 | 0.98 | 1334.62 | 1802.37 | 0.17 |
| Main | 10 | PF 1 | 1307.14 | 50.34 | 51.80 | | 51.82 | 0.000906 | 1.05 | 1387.55 | 1665.43 | 0.18 |
| Main | 11 | PF 1 | 1307.14 | 51.04 | 52.22 | | 52.24 | 0.000949 | 1.05 | 1324.21 | 1544.75 | 0.18 |

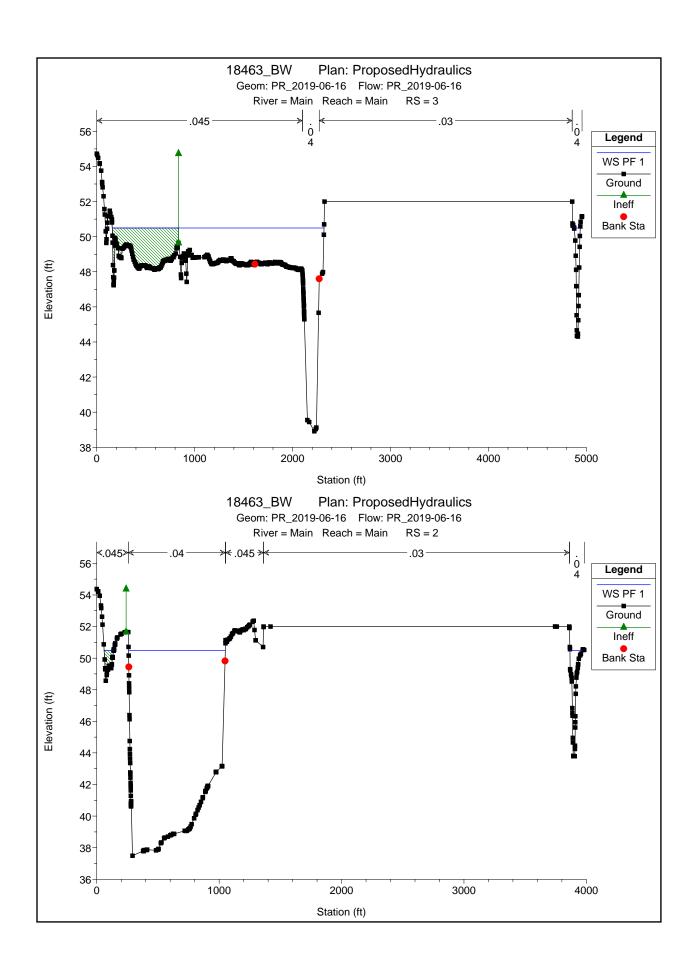


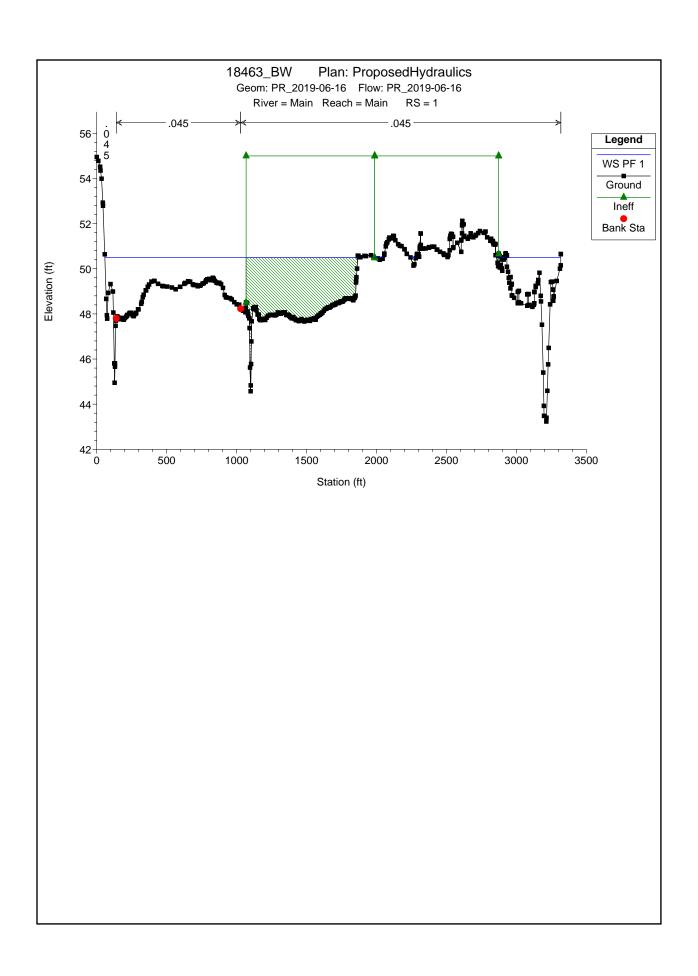






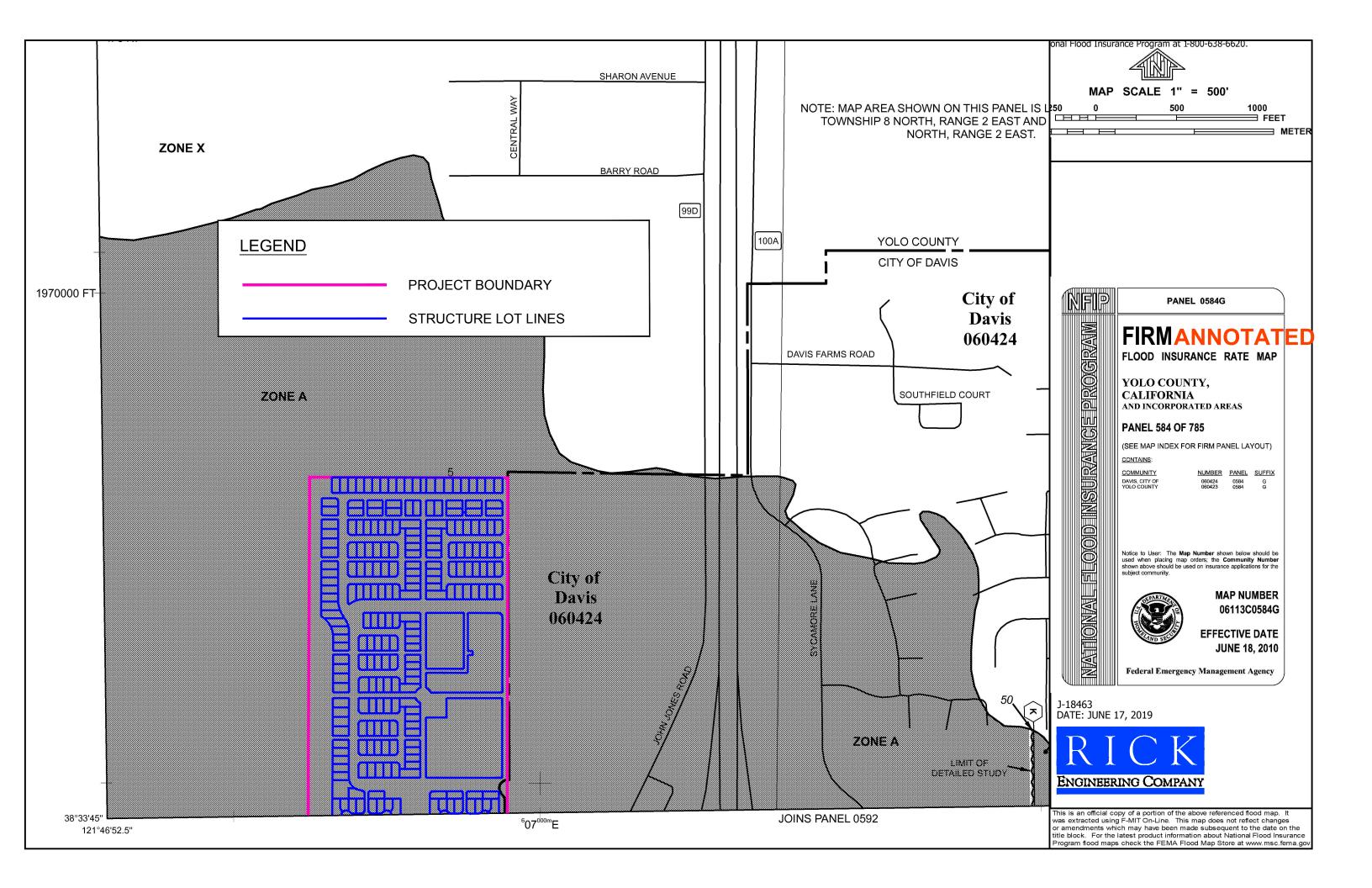


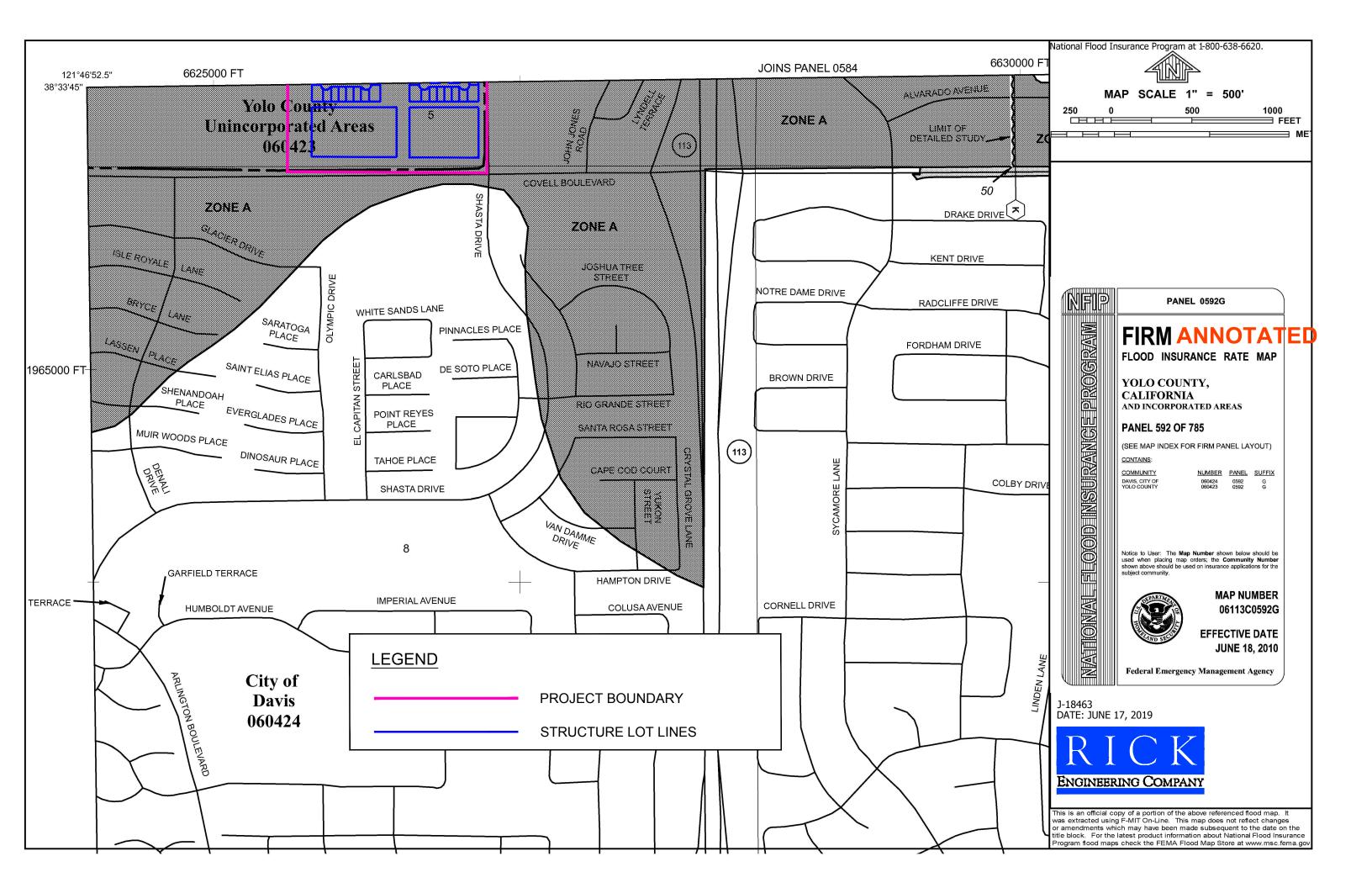




Appendix 4

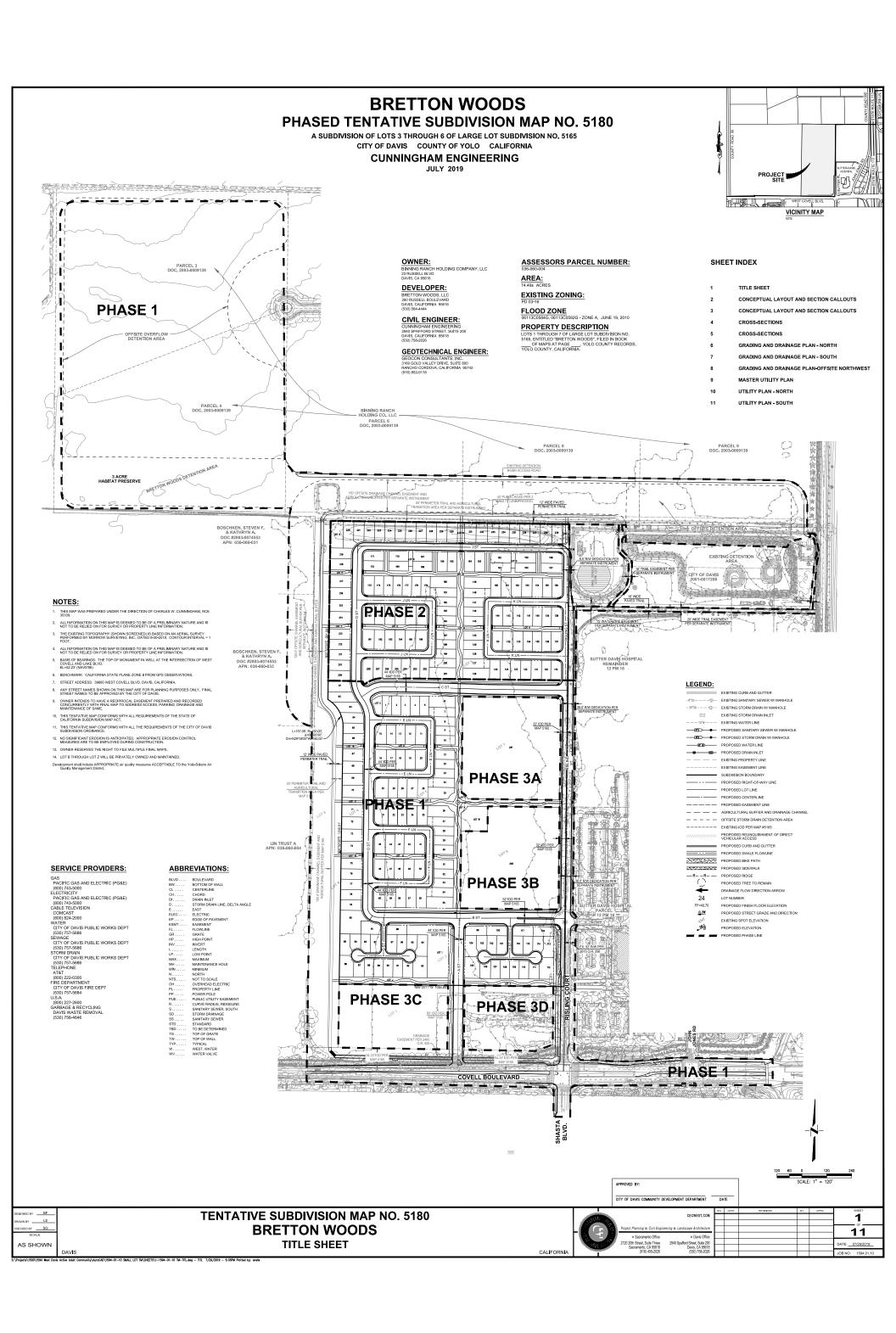
Annotated FIRMettes

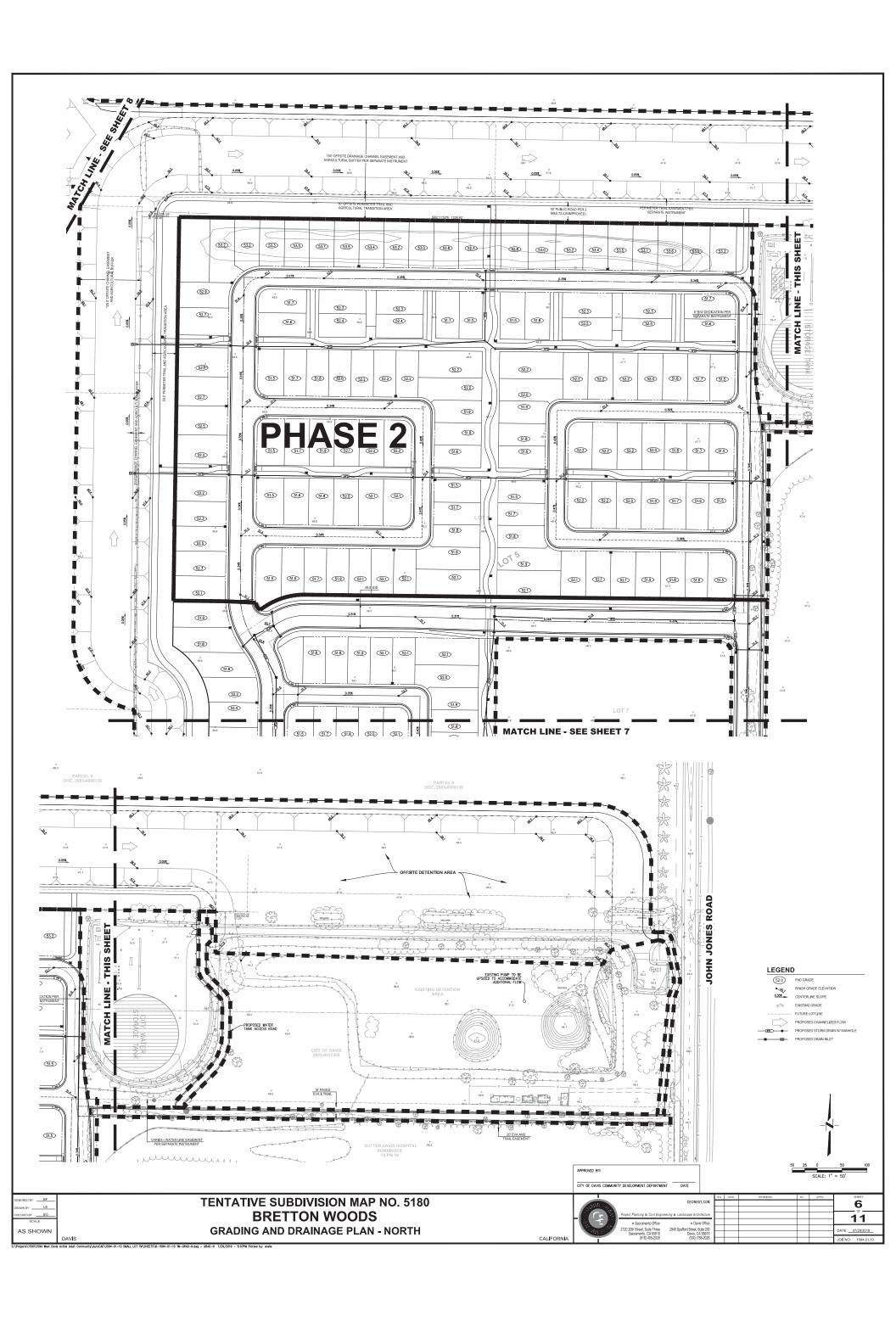


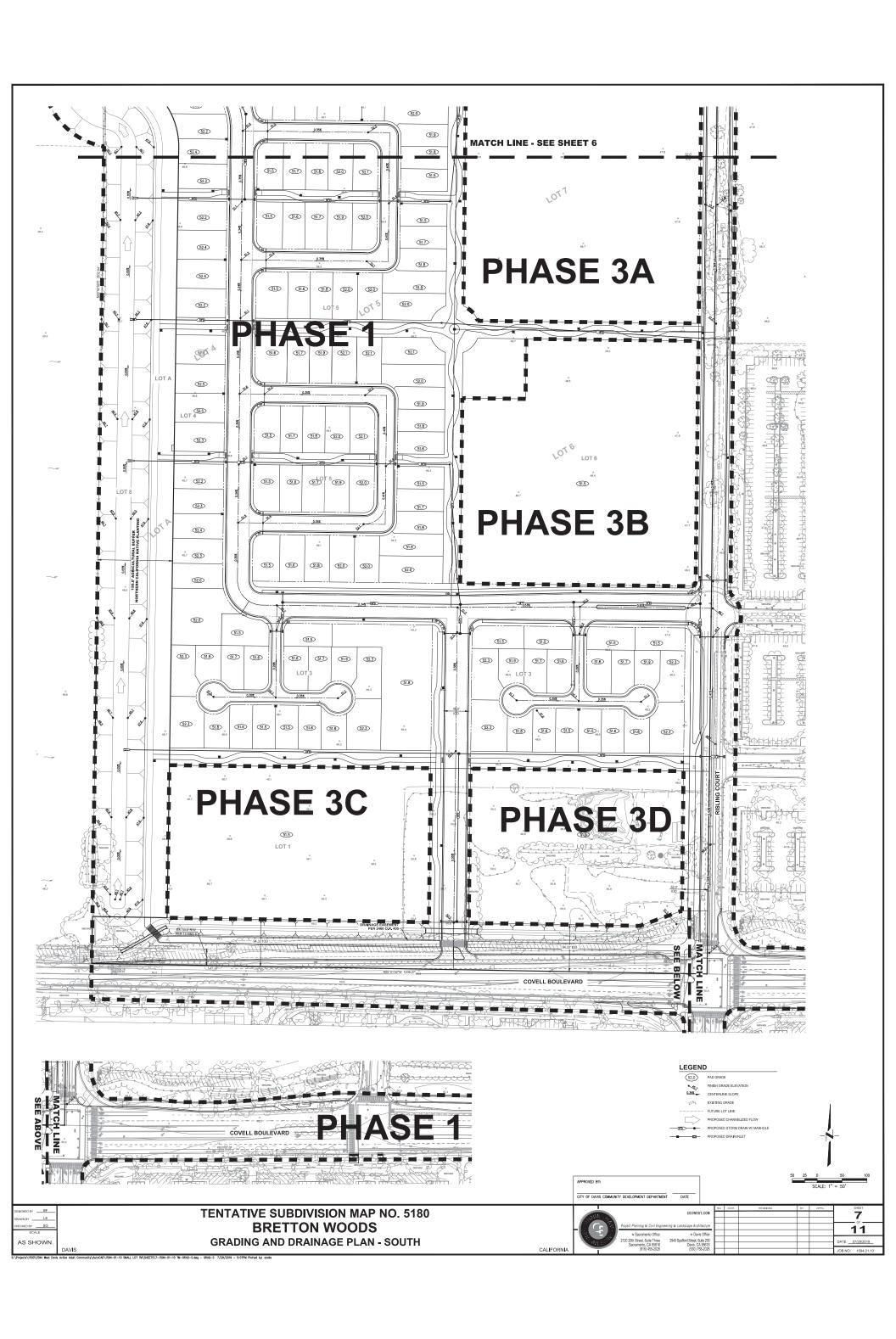


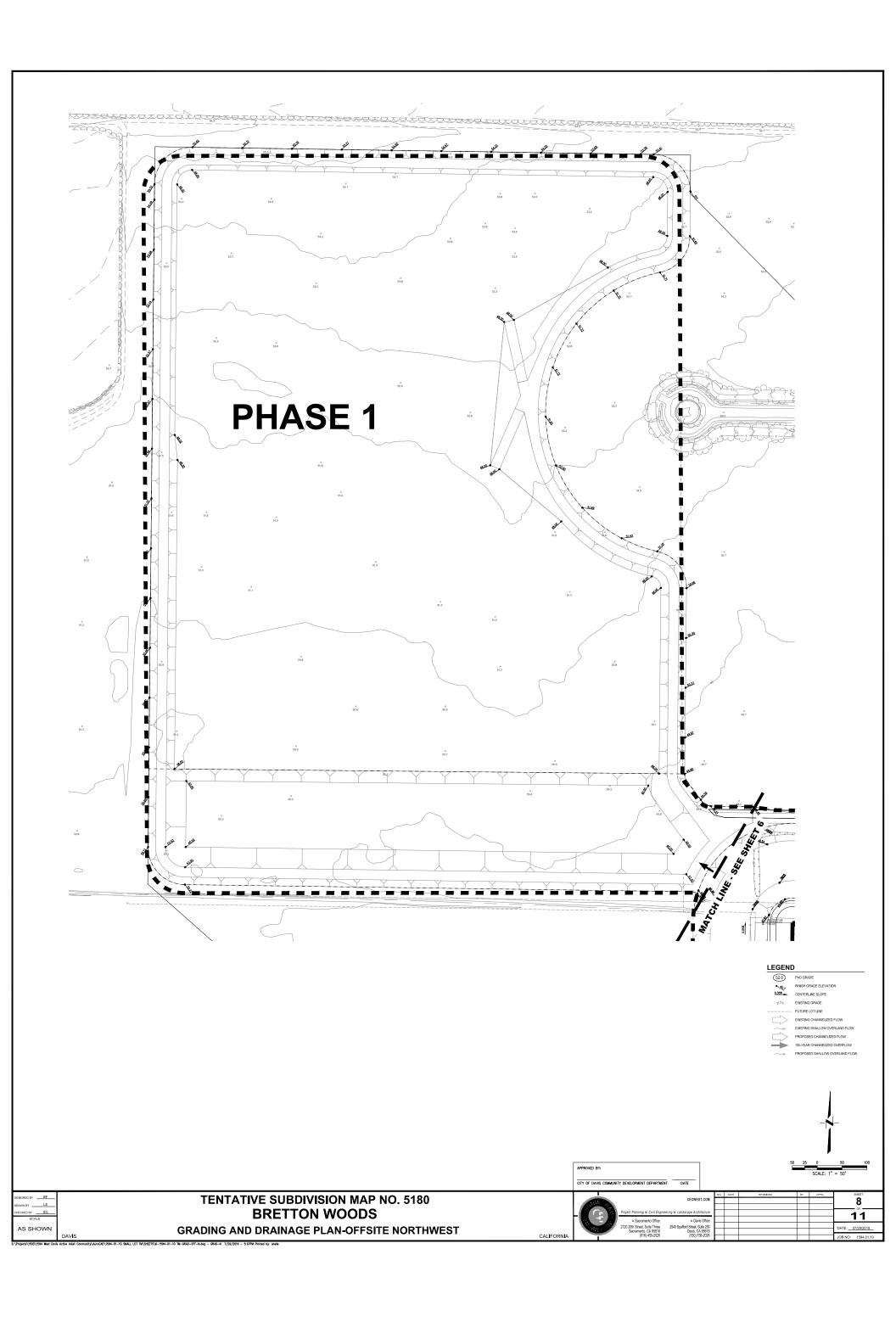
Appendix 5

Proposed Grading Plan and Deed









my FirstAm®

Recorded Document

39660 W Covell Blvd, Davis, CA 95616

The requested Recorded Document images are displayed in the subsequent pages for the following property:

39660 W Covell Blvd Davis, CA 95616

Document Number: 13763 Document Date: 20070413

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BINNING RANCH HOLDING COMPANY, LLC, A CALIFORNIA LIMITED LIABILITY COMPANY 11354 WHITE ROCK ROAD RANCHO CORDOVA, CA 95742



YOLO Recorder's Office Freddie Oakley, County Recorder DOC- 2007-0013763-00

Acct 184-Placer Title

Friday, APR 13, 2007 14:59:00

\$40.00 Ttl Pd

Nor-8000793240 KH /X4/1-12

SPACE ABOVE THIS LINE FOR RECORDER'S USE

GRANT DEED

The undersigned grantor(s) declare(s):

Documentary transfer tax is \$0.00 City Transfer Tax: \$0.00 EXEMPT R & T 11911

() computed on full value of property conveyed, or

() computed on full value less value of liens and encumbrances remaining at time of sale.

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, MASUD S. MONFARED AND TAHEREH S. MONFARED , HUSBAND AND WIFE, AS COMMUNITY PROPERTY AS TO AN UNDIVIDED 13.33% INTEREST AND JAVAD RAHIMIAN AND SHIRIN RAHIMIAN, TRUSTEES OF THE JAVAD RAHIMIAN AND SHIRIN RAHIMIAN FAMILY TRUST DATED JANUARY 31, 1996, AS TO AN UNDIVIDED 10% INTEREST AND PARLIN ELVERTA LLC, A CALIFORNIA LIMITED LIABILITY COMPANY AS TO AN UNDIVIDED 25.40% INTEREST AND REZA ABBASZADEH, A MARRIED MAN AS HIS SOLE AND SEPARATE PROPERTY AS TO AN UNDIVIDED 25% INTEREST AND KIUMARS HEKMAT AND MARYAM HEKMAT, TRUSTEES OF THE KIUMARS AND MARYAM HEKMAT FAMILY TRUST, AS TO AN UNDIVIDED 3% INTEREST AND MOSTAFA ALAVI, A MARRIED MAN AS HIS SOLE AND SEPARATE PROPERTY AS TO AN UNDIVIDED 2% INTEREST AND GHOLAMOSSEIN HAYATDAVOUDI AND KHADIJEH HAYATDAVOUDI AS HUSBAND AND WIFE, AS COMMUNITY PROPERTY AS TO AN UNDIVIDED 4.88% INTEREST AND BAHMAN FOZOUNI AND MAHNAZ MOUSSAVI, TRUSTEES OF THE FOZOUNI/MOUSSAVI FAMILY TRUST, AS TO AN UNDIVIDED 8.97% INTEREST AND AHMAD BAHAI, A MARRIED MAN AS HIS SOLE AND SEPARATE PROPERTY AS TO AN UNDIVIDED 7.42% INTEREST

Hereby GRANT(S) to BINNING RANCH HOLDING COMPANY, LLC, A CALIFORNIA LIMITED LIABILITY COMPANY

THE LAND DESCRIBED HEREIN IS SITUATED IN THE STATE OF CALIFORNIA, COUNTY OF YOLO, UNINCORPORATED AREA, AND IS DESCRIBED AS FOLLOWS:

THE WEST 75 ACRES OF THE SOUTHEAST QUARTER OF SECTION 5, TOWNSHIP 8 NORTH, RANGE 2 EAST, M.D.B. & M.

A.P.N. 036-060-05

THIS DOCUMENT MAY BE EXECUTED IN COUNTERPART AND TOGETHER ALL COUNTERPARTS SHALL CONSTITUTE AND FORM ONE INSTRUMENT. Dated: November 17, 2005

Name

MAIL TAX STATEMENTS TO PARTY SHOWN ON FOLLOWING LINE; IF NO PARTY SHOWN, MAIL AS DIRECTED ABOVE

SAME AS ABOVE

Street Address

City & State

SIGNATURE PAGE FOR GRANT DEED

| PARLIN ELVERTA LLC, A CALIFORNIA LIMITED LIABILITY COMPANY By: PARLIN LLC | GHOLAMOSSEIN HAYATDAVOUDI |
|---|--|
| By: MANAGER-MEMBER MASUD S. MONPARED, MANAGER-MEMBER | KHADIJEH HAYATDAVOUDI |
| THE KIUMARS AND MARYAM HEKMAT FAMILY TRUS | Illusurd S. Monteury. |
| By: KIUMARS HEKMAT, TRUSTEE By: | MASUD'S. MONFARED |
| THE JAVAD RAHIMIAN AND SHIRIN RAHIMIAN FAMIL | Y MOSTAFA ALAVI |
| By: JAVAD RAHIMIAN, TRUSTEE | AHMAD BAHAI |
| SHIRIN RAHIMIAN, TRUSTEE | |
| THE FOZOUNI/MOUSSAVI FAMILY TRUST | 1 |
| By:BAHMAN FOZOUNI, TRUSTEE By: MAHNAZ MOUSSAVI, TRUSTEE | |
| | |
| STATE OF CALIFORNIA COUNTY OF SAURIMENTO | Ab-a gotany public personally appeared |
| On January 23 2006 before me, Angela S. M. | Personally appeared |
| subscribed to the within instrument an acknowledged to be | satisfactory evidence) to be the person(s) whose name(s) is/are ne that he/she/they executed the same in his/her/their authorized instrument the person(s), or the entity upon behalf of which the |
| WITNESS my hand and official seal. | Commission # 1412792 Notary Public - Colliense |
| Signature: Nagra S. 1 Palla Commission Expiration Date: Apr. 21, 2007 | My Comm. Expires Apr 21, 2007 |
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|---|---|---------------------------------|--|
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| By: KIUMARS HEKMAT, TRUSTEE By: You will held the | \mathcal{J} | MASUD S. MONFARED | |
| MARYAM HEKMAT, TRUSTEE THE JAVAD RAHIMIAN AND SHIRIN TRUST DATED JANUARY 31, 1996 | RAHIMIAN FAMILY | MOSTAFA ALAVI | |
| By: JAVAD RAHIMIAN, TRUSTEE By: SHIRIN RAHIMIAN, TRUSTEE | <u>-</u> | AHMAD BAHAI | |
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| STATE OF CALIFORNIA COUNTY OF SACRAMENTO | | , (, | |
| On 12/23/05 before me, | | S, notany public Wanyam Hekm | |
| personally known to me (or proved to subscribed to the within instrument an capacity(ies), and that by his/her/their person(s) acted, executed the instrum | acknowledged to me that signature(s) on the instru | t he/she/they executed the | same in his/her/their authorized |
| WITNESS my hand and official seal. Signature: Commission Expiration Date: | yes | COM HOTARY P SACRA | HAYES M. # 1377406 UBLIC • CALIFORNIA B MENTO COUNTY D. SEPT. 29, 2006 |
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SIGNATURE PAGE FOR GRANT DEED

| PARLIN ELVERTA LLC, A CALI LIABILITY COMPANY By: PARLIN LLC | FORNIA LIMITED . | GHOLAMOSSEIN HAYATDAVOUD | <u></u> |
|---|--|---|---------------------------------------|
| Its: MANAGER-MEMBER | - | KHADIJEH HAYATDAVOUDI | |
| By:MASUD S. MONFARED, MA | NAGER-MEMBER | DCZA ADDACZADEU | |
| THE KIUMARS AND MARYAM I | HEKMAT FAMILY TRUST | REZA ABBASZADEH | |
| By: | EE - | MASUD S. MONFARED | |
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| By: | | AHMAD BAHAI | |
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| STATE OF CALIFORNIA COUNTY OF On Day Marie 29 2005 before | me, <u>Amadah</u> | MA Jamela K. Ferre | dly, notary public ersonally appeared |
| | stofa Alavi | | |
| subscribed to the within instrume | nt an acknowledged to me that their signature(s) on the instrui | ctory evidence) to be the person(s) who the/she/they executed the same in his/ ment the person(s), or the entity upon b | her/their authorized |
| WITNESS my hand and official se Signature: Commission Expiration Date: | eal. Sanual 9, 2008 | PAMELA L. FENDLEY Notary Public, State of Tex My Commission Expire January 09, 2008 | Cas |
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SIGNATURE PAGE FOR GRANT DEED

| PARLIN ELVERTA LLC, A CA | ALIFORNIA LIMITED | GHOLAMOSSEIN | HAYATDAVOLIDI | |
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| LIABILITY COMPANY By: PARLIN LLC | | OHOLANIOOSEII4 | IMIMIDATOODI | |
| Its: MANAGER-MEMBER | | MIANIPULLANA | DAMOI (DI | _ |
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| MASUD S. MONFARED, N | ANAGER-MEMBER | | · — | |
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| By: SHIRIN RAHIMIAN, TRUS | TEE | | • | |
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| By: | JSTEE | | | |
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| COUNTY OF COMMON CO | 80L | | • | |
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| Ahmad Babas | <u> </u> | | * | |
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| persenally known to me (or prosubscribed to the within instrum capacity(ins), and that by (Pa/haperson(s) acted, executed the instruments) | oved to me on the basis of satis nent an acknowledged to me the er/their signature (s) on the inst instrument | na (/hg/ she/they executed | the same ighisher | ftheir authorized |
| WITNESS my hand and official | | | SYDNEY DAVIS COMM. #1539554 | |
| | | | Iotary Public-California CONTRA COSTA COUNTY | 2 |
| Signature: Signature Determination Expiration Date: | (1) | W Company | y Comm. Exp. Dec 30, 2008 | { |
| Commission Expiration Date: _ | 12/20/2008 | | | • |
| MAIL TAX STATEMENTS TO DIRECTED ABOVE | PARTY SHOWN ON FOLLO | wing line; if no pa | RTY SHOWN, MAII | . AS |
| • | SAME AS. | ABOVE | | |
| Name | Street Address | | City & State | |
| s - vene as vi | Page 2 of 3 - | 11/17/2005 | • | O:h]hurdeed des (4/2002) |
| | | | | O. Harden dates and 1 a course 1 |

| County of Sociamento ss. | CALIFORNIA ALL-PURPOSE CERTIFICATE OF ACKNOWLEDGMENT |
|--|--|
| On <u>January 24, 2006</u> , before me, | Lorraine H. Clark notany public |
| personally appeared <u>Masud S. /</u> | nonfared |
| personally known to me - or - proved to me on the basis of satisfactory evidence form(s) of identification credible witness(es) | Protec Name(s 3) bigners) |
| that he/she/they executed the same in his/her/th | ed to the within instrument and acknowledged to me leir authorized capacity(ies), and that by his/her/their the entity upon behalf of which the person(s) acted, |
| | WITNESS my hand and official seal. |
| COMM. #1531883 COMM. #1531883 Notary Public - California of Sacramenta, County Sy Comm. Expres Dec. 4, 2000 | Signature of Notory Public |
| (Seal) | |
| OPTIONA | L INFORMATION |
| Although the information in this section is not required by acknowledgment to an unauthorized document and may | rlaw, it could prevent fraudulent removal and reattachment of this |
| | r prove userar to persons reignig on the attached document. |
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| Description of Attached Document The preceding Certificate of Acknowledgment is attached to ted/for the purpose of Mant Ded Estrow# 404-6679-PB | ec to a document Additional Information Additional Information Signer(s) Signer(s) Thunk print(s) Other |
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| Description of Attached Document The preceding Certificate of Acknowledgment is attached totled/for the purpose of Stant Decd Extrow# 404-6679-P8 containing 3 pages, and dated #/17/05 The signer(s) capacity or authority is/are as: Individua(s) Attorney in-Fact Composate Officer(s) Guardian/Conservator Pairrier = mitch/Ceneral | ec to a document Additional Information Additional Information Additional Information Signe (s) Thomapristis, Other |
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State of California County of SACRAMENTO CALIFORNIA ALL-PURPOSE CERTIFICATE OF ACKNOWLEDGMENT **CALIFORNIA ALL-PURPOSE** On January 23.2006, before me, Angela S. MAbra, Notary Public, personally appeared JAVAd PAhimiAn personally known to me - or proved to me on the basis of satisfactory evidence: if form(s) of identification in the interest i credible witness(es). to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. WITNESS my hand and official seal. Notary Public - California **Sacromento County** M Comm. Expres Apr 21, 2007 (Sea!) **OPTIONAL INFORMATION** Although the information in this section is not required by law, it could prevent froudulent removal and reattachment of this acknowledgment to an unauthorized document and may prove useful to persons relying on the attached document. Description of Attached Document The preceding Certificate of Acknowledgment is attached to a document. Additional Information Fig. Additional Digner(s) Fig. 5-grer(s) (humbprint s) titled/for the purpose of ______ containing _____ pages, and dated _____ The signer(s) capacity or authority is/are as: Tritterney in Facti _ Corporate Officer(s) Buard an Conservator - Partre - Line tack Genera representing:

| STATE | OF | CAL | IFOR | NIA | |
|-------|-----|-----|-------------|-----|-----------------|
| COUNT | Y O | FS | acva | WYN | tt o |

On January 22,2006 before me, Angela S. Mabra, notary public personally appeared Shirin Pahimian

personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(e) whose name(e) is/ere subscribed to the within instrument an acknowledged to me that he/she/they executed the same in-his/her/their authorized capacity(ies), and that by his/her/their signature(e) on the instrument the person(e), or the entity upon behalf of which the person(e) acted, executed the instrument

WITNESS my hand and official seal.

Signature: Apr. 21, 2007

Commission # 1412792
Notary Public - California
Sacramento County
My Comm. Expires Apr 21, 2007

ANGELAS MAS

MAIL TAX STATEMENTS TO PARTY SHOWN ON FOLLOWING LINE; IF NO PARTY SHOWN, MAIL AS DIRECTED ABOVE

SAME AS ABOVE

Name

Street Address

City & State

Page 3 of 3 - 11/17/2005

Or@ranked.soc (4/2002)

State of California **CALIFORNIA ALL-PURPOSE** CALIFORNIA ALL-PURPOSE
SS. CERTIFICATE OF ACKNOWLEDGMENT Personally known to me - or proved to me on the basis of satisfactory evidence: _____form(s) of identification ______ credible witness(es) to be the person(s) whose name(s) is/are-subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. WITNESS my hand and official seal. Lonane HClark (Seal) OPTIONAL INFORMATION Although the information in this section is not required by law, it could prevent fraudulent removal and reattachment of this acknowledgment to an unauthorized document and may prove useful to persons relying on the attached document. Description of Attached Document The preceding Certificate of Acknowledgment is attached to a document Additional Information titled/for the purpose of Shant Deed Additional Signer(s) | Signer(s) Thumbprint(s) Other containing 3 pages, and dated 11/17/05 The signer(s) capacity or authority is/are as: 🗄 Individualis). Attorney in Fact i___ Corporate Officers); __ Guardian/Conservator ____ Partner - Limited (5e) erafi Trus ee si Votres Managing Principal representing. Parlin Elverta LLC

County of Sacramento SS. CALIFORNIA ALL-PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

On January 24, 2006, before me, Lorraire H. Clark, Notary public personally appeared Jahereh S. Monfared

Protect American Straight State of California personally known to me - or proved to me on the basis of satisfactory evidence: credible witness(e₃) to be the person(s) whose name(s) is/are-subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the instrument. WITNESS my hand and official seal. Notary Public - California Louise Helack (Sea!) OPTIONAL INFORMATION Although the information in this section is not required by law, it could prevent fraudulent removal and reattachment of this acknowledgment to an unauthorized document and may prove useful to persons relying on the attached document. Description of Attached Document The preceding Certificate of Acknowledgment is attached to a document Additional Information Additional Signer(s) Signer(s) Inumbprint(s) teled/for the purpose of Shant Deed Other | Escrow # 404-6679-PB containing 3 pages, and dated [1/17/05 The signer(s) capacity or authority is/are as: individual(s). Attomey-in-Fact Corporate Officer(s) Guardian Conservator ै, Partner ाःmitod/Genera' Trustee s. . Other representing

| STATE | OF C | ALIFO | RNIA |
|-------|------|-------|--------|
| COUNT | Y OF | SACR | AMENTO |

| On 2/7/06 | before me, <u>K. Hayes, N</u> | otary Public | personally appeared |
|---------------------------------------|---|-------------------------------|---|
| | and Mahnaz Moussavi | | |
| | | | |
| subscribed to the within ins | trument an acknowledged to me is/her/their signature(s) on the in | e that he/she/they executed t | e person(s) whose name(s) is/are he same in his/her/their authorized ne entity upon behalf of which the |
| WITNESS my hand and off | icial seal. | | . / |
| Signature: Commission Expiration Date | 1e: 9/24/06 | | K. HAYES COMM. # 1377406 tary purice california S ACRAMENTO COUNTY m. Exp. SEPT. 29, 2006 |
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| STATE OF CALIFORNIA COUNTY OF | | | |
| On! | pefore me, | | personally appeared |
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| subscribed to the within inst | trument an acknowledged to me is/her/their signature(s) on the in he instrument | that he/she/they executed ti | e person(s) whose name(s) is/are ne same in his/her/their authorized ne entity upon behalf of which the |
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| STATE OF CALIFORNIA COUNTY OF SACRAYKA | ITO | | | |
|--|---|-------------------------------|--|--|
| Lulas | efore me, <u> </u> | Hayes, no | any public | personally appeared |
| | REZA ADON | szaden | | |
| personally known to me (or psubscribed to the within instr- capacity(ies), and that by his person(s) acted, executed the WITNESS my hand and office Signature: Commission Expiration Date | ument an acknowledg /her/their signature(s) e instrument ial seal | ed to me that he/s | the person(s), or the entire the person(s), or the entire the community of the community purchase the community pu | ty upon behalf of which the YES 1377408 COUNTY T |
| | rfore me, <u>P.</u> | Bussey,n | otang public | personally appeared |
| personally known to me (or p subscribed to the within instru- capacity(ies), and that by his/ person(s) acted, executed the | roved to me on the baument an acknowledge her/their signature(s) | sis of satisfactory e | evidence) to be the persone/they executed the sam | on(s) whose name(s) is/are ne in his/her/their authorized |
| WITNESS my hand and offici Signature: Commission Expiration Date: | al seal. Musse | | P, BUS COMM #1 Notary Public SACRAMENT My Comm. Exp. | 509777 -California 66 0 COUNTY 3 |
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| MAIL TAX STATEMENTS T DIRECTED ABOVE | TO PARTY SHOWN O | N FOLLOWING | LINE; IF NO PARTY SH | OWN, MAIL AS |
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Appendix 6

Electronic Files