

# SUTTER BUTTE FLOOD CONTROL AGENCY

## PROJECT PLANS FOR CONSTRUCTION OF

# FEATHER RIVER WEST LEVEE PROJECT

### VOLUME 7 OF 7

## FEATHER RIVER WEST LEVEE IMPROVEMENT PLANS

### 5TH STREET BRIDGE GAP CLOSURE



**PROJECT LOCATION**

LIST OF CONTRACT VOLUMES:

- VOLUME 1: GENERAL AND SPECIAL SPECIFICATIONS
- VOLUME 2: TECHNICAL SPECIFICATIONS
- VOLUME 6: GEOTECHNICAL DATA REPORT
- VOLUME 7: 5TH STREET BRIDGE GAP CLOSURE

**WARNING**

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED UPON INFORMATION PROVIDED BY THE CONSTRUCTION CONTRACTOR IN ACCORDANCE WITH THE SPECIFICATIONS. THE ENGINEER HAS NOT VERIFIED THE ACCURACY AND/OR THE COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY BE INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS.

**CONTRACT NO. 01-20148-D**

**APPROVED BY:** *Michael W. Bessette* **DATE:** 11/30/2016

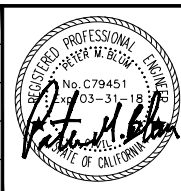
Michael W. Bessette, P.E.  
Director Of Engineering  
Sutter Butte Flood Control Agency

**RECORD DRAWING**

I:\Jobs\8465\_HPR\_Sutter\_Butte\_FCA\FRM\_1000\Civil\Draws\Cop\_Closure Plans\5th Street\G\_001\_ISB1\_FRM\_5TH\_GAB.dwg 5/17/2017 10:47 AM Peter Blum

REV.	DATE	BY	CHK.	APPR.	DESCRIPTION
1	5/16/17	PB	CC	JK	RECORD DRAWING

**DESIGNED BY:** P. BLUM, E. EYSTER  
**DRAWN BY:** J. PRIEST  
**CHECKED BY:** J. CHAPMAN  
**IN CHARGE:** J. KORS  
**DATE:** 11/30/2016



**WOOD RODGERS**  
 DEVELOPING • INNOVATIVE • DESIGN • SOLUTIONS  
 3301 C STREET, BLDG. 100-B, SACRAMENTO, CA 95816  
 PHONE: (916) 341-7760 FAX: (916) 341-7767

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

**SUTTER BUTTE FLOOD CONTROL AGENCY**

**FEATHER RIVER WEST LEVEE PROJECT**  
**5TH STREET BRIDGE GAP CLOSURE**

**TITLE SHEET AND LOCATION MAP**

**VERIFY SCALES**  
 BAR IS ONE INCH ON ORIGINAL DRAWING, ADJUST SCALES FOR REDUCED PLOTS

0" = 1"

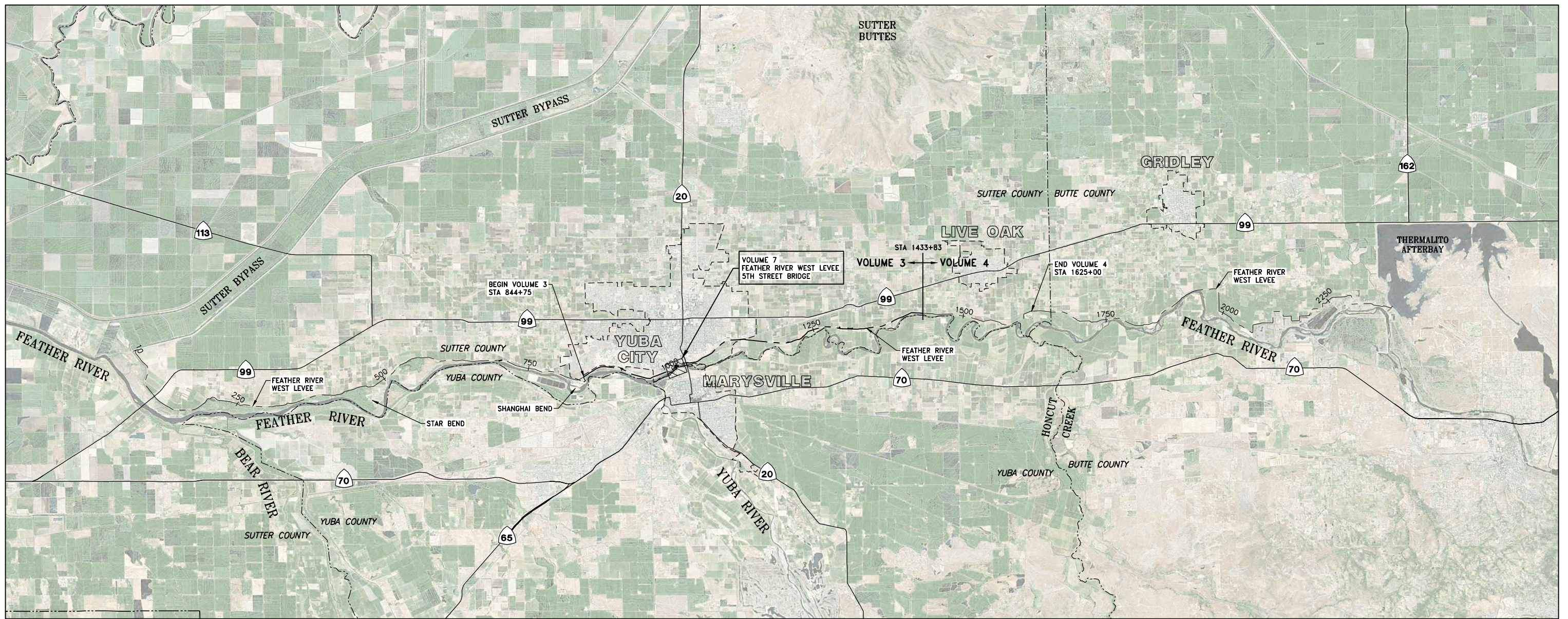
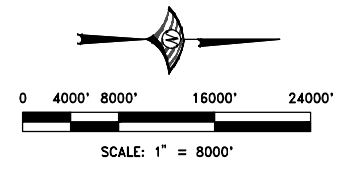
DRAWING NO.	SHEET
<b>G-001</b>	<b>1</b>



# SUTTER BUTTE FLOOD CONTROL AGENCY

## FEATHER RIVER WEST LEVEE PROJECT

### 5TH STREET BRIDGE GAP CLOSURE PLANS



**RECORD DRAWING**

REV.	DATE	BY	CHK.	APPR.	DESCRIPTION
1	5/16/17	PB	CC	JK	RECORD DRAWING

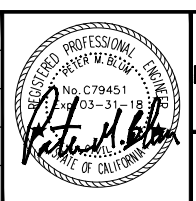
DESIGNED BY:  
P. BLUM, E. EYSTER

DRAWN BY:  
J. PRIEST

CHECKED BY:  
J. CHAPMAN

IN CHARGE:  
J. KORS

DATE:  
11/30/2016



**WOOD RODGERS**  
DEVELOPING • INNOVATIVE • DESIGN • SOLUTIONS  
3301 C STREET, BLDG. 100-B, SACRAMENTO, CA 95816  
PHONE: (916) 341-7760 FAX: (916) 341-7767

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

**SUTTER BUTTE FLOOD CONTROL AGENCY**

**FEATHER RIVER WEST LEVEE PROJECT**  
**5TH STREET BRIDGE GAP CLOSURE**

**BASIN MAP**

VERIFY SCALES  
BAR IS ONE INCH ON  
ORIGINAL DRAWING, ADJUST  
SCALES FOR REDUCED PLOTS

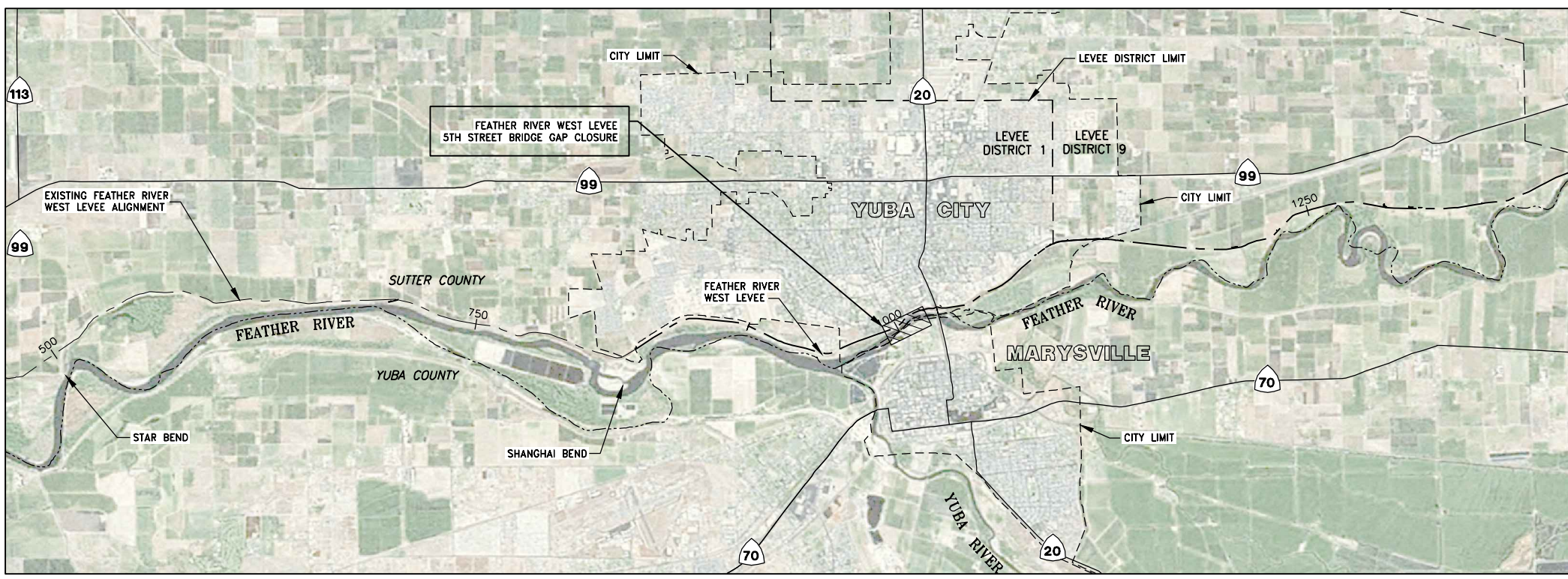
0" = 1"

DRAWING NO.	SHEET
<b>G-002</b>	<b>2</b>

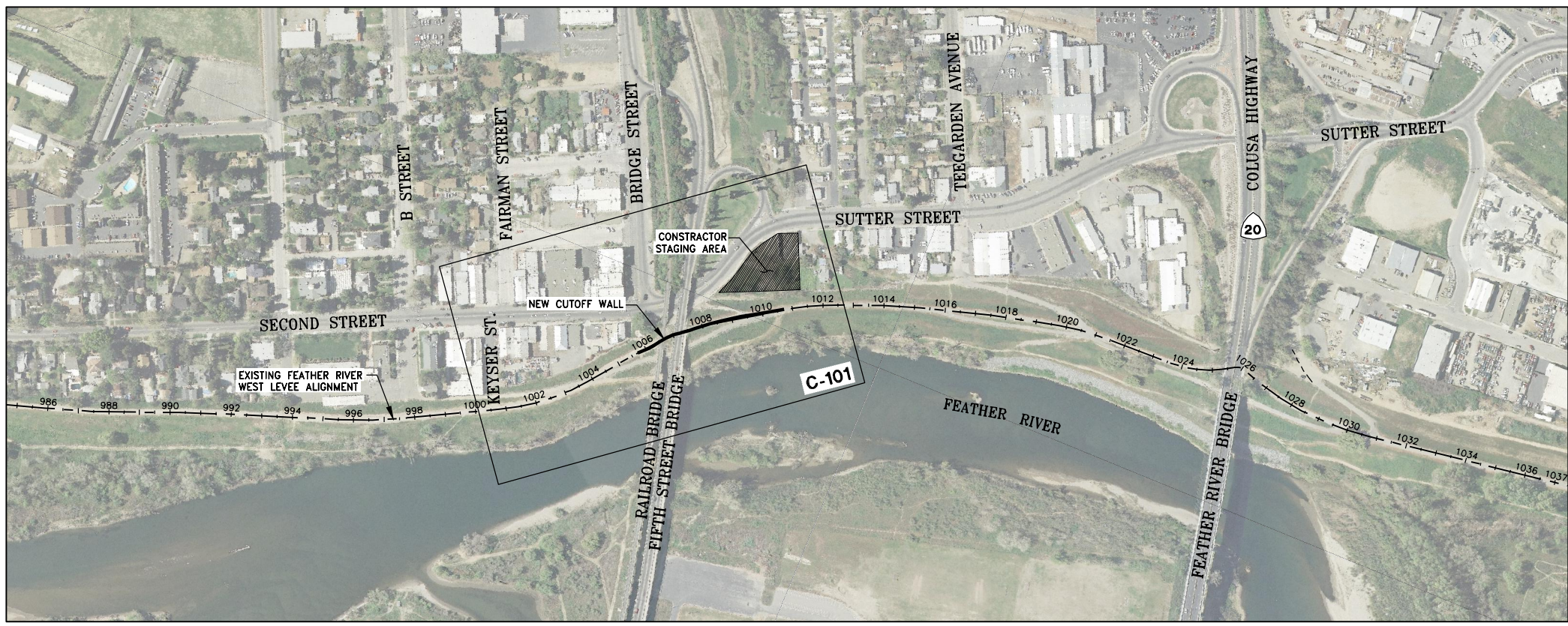
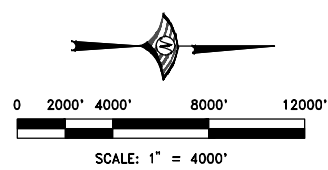
I:\Jobs\8455\_HPR\_Sutter\_Butte\_FCA\FRM\_1010\Civil\Draw\Gap Closure Plans\5th Street\G-002\_BM\_FRM\_5th\_Cap.dwg 5/17/2017 10:47 AM Peter Blum



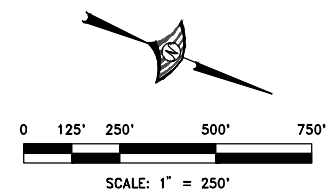
**RECORD DRAWING**



**VICINITY MAP**  
SCALE: 1" = 4000'



**KEY MAP**  
SCALE: 1" = 250'



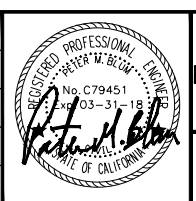
**SHEET INDEX**

DRAWING NUMBER	SHEET NUMBER	DRAWING TITLE
<b>GENERAL</b>		
G-001	1	TITLE SHEET
G-002	2	BASIN MAP
G-003	3	VICINITY MAP, KEY MAP, & SHEET INDEX
G-004	4	LEGEND, ABBREVIATIONS, AND SYMBOLS
G-005	5	GENERAL NOTES
G-006	6	SURVEY CONTROL MAP
G-101	7	AERIAL PHOTO (STA 1001+00 TO 1013+00)
G-102	8	CUTOFF WALL ALIGNMENT & STAGING AREA PLAN
G-103	9	CONCEPTUAL DETOUR PLAN
<b>LEVEE PLAN AND PROFILE</b>		
C-101	10	LEVEE PLAN & PROFILE AT CLOSURE SITE
<b>TYPICAL SECTIONS AND DETAILS</b>		
C-301	11	CLOSURE CONSTRUCTION SEQUENCE & NOTES - 1 OF 2
C-302	12	TYPICAL DETAILS - 1 OF 3
C-303	13	TYPICAL DETAILS - 2 OF 3
C-304	14	TYPICAL DETAILS - 3 OF 3
C-305	15	AS-BUILT: 5TH ST BRIDGE - TYP. SECTIONS & DETAILS NO. 1
C-306	16	AS-BUILT: 5TH ST BRIDGE - ABUTMENT 1 PLAN & DETAILS
C-307	17	AS-BUILT: 5TH ST BRIDGE - CHAIN LINK TYPE 7 MODIFIED
C-308	18	AS-BUILT: 5TH ST BRIDGE - RAILING DETAILS
C-309	19	AS-BUILT: 5TH ST BRIDGE - ABUTMENT C & I, PIER D
C-310	20	AS-BUILT: BIKE PATH - B STREET RAMP
C-311	21	AS-BUILT: BIKE PATH - CROSS SECTIONS (1 OF 2)
C-312	22	AS-BUILT: BIKE PATH - CROSS SECTIONS (2 OF 2)
C-313	23	AS-BUILT: BIKE PATH - MISCELLANEOUS DETAILS
C-314	24	AS-BUILT: BIKE PATH - TYPE 1A RETAINING WALL DETAILS
C-315	25	AS-BUILT: BIKE PATH - TYPE 6B RETAINING WALL DETAILS
C-316	26	AS-BUILT: BIKE PATH - STANDARD DETAILS
<b>CUTOFF WALL PROFILE</b>		
C-401	27	CUTOFF WALL PROFILE (STA 1000+00 TO 1014+00)
<b>LEVEE CROSS SECTIONS</b>		
C-601	28	CROSS SECTIONS (STA 1002+00 TO 1007+00)
C-602	29	CROSS SECTIONS (STA 1008+00 TO 1011+00)

J:\003\0455\_HDR\_Sutter\_Butte\_FCA\FRM\_5th\_Closure\_Plans\5th\_Street\G-003\_VI\_VICINITY\_MAP.dwg 5/17/2016 10:47 AM Peter Blum

REV.	DATE	BY	CHK.	APPR.	DESCRIPTION
1	5/16/17	PB	CC	JK	RECORD DRAWING

**DESIGNED BY:**  
P. BLUM, E. EYSTER  
**DRAWN BY:**  
J. PRIEST  
**CHECKED BY:**  
J. CHAPMAN  
**IN CHARGE:**  
J. KORS  
**DATE:**  
11/30/2016



**WOOD RODGERS**  
 DEVELOPING • INNOVATIVE • DESIGN • SOLUTIONS  
 3301 C STREET, BLDG. 104-B, SACRAMENTO, CA 95816  
 PHONE: (916) 341-7760 FAX: (916) 341-7767

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

**SUTTER BUTTE FLOOD CONTROL AGENCY**  
**FEATHER RIVER WEST LEVEE PROJECT**  
**5TH STREET BRIDGE GAP CLOSURE**  
**VICINITY MAP, KEY MAP, & SHEET INDEX**

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

DRAWING NO. **G-003** SHEET **3**

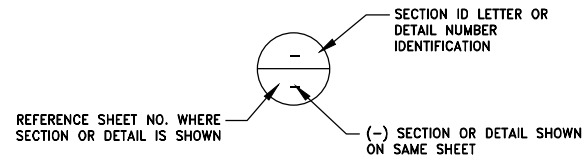


**LEGEND**

ITEM	EXISTING	PROPOSED
CENTERLINE	---	---
PROPERTY LINE	---	N/A
RIGHT OF WAY	---	N/A
CONSTRUCTION LIMIT	N/A	---
EASEMENT	---	N/A
FENCE	— x — x —	— x — x —
GUARD RAIL	— □ — □ — □ — □ —	N/A
OVERHEAD UTILITY LINE	— OH — OH —	N/A
UTILITY POLE	•	N/A
UNDERGROUND ELECTRICAL	— UE — UE —	N/A
UNDERGROUND FUEL	— UF — UF —	N/A
UNDERGROUND GAS	— UG — UG —	N/A
UNDERGROUND TELEPHONE	— UT — UT —	N/A
EARTH SLOPE	TOP TOE	TOP TOE
FLOW LINE	N/A	FL 99.00
CONTROL LINE W/STATION	N/A	48+00
GROUND CONTOUR	50	N/A
SPOT ELEVATION	x 99.7	x 99.7
ROCK SLOPE PROTECTION		
WATER SURFACE	.....	N/A
STRUCTURE OUTLINE	---	N/A
GEOTECHNICAL BORING LOCATION	NCCB-3	N/A
GEOTECHNICAL TEST PIT LOCATION	TPRD1001-3	N/A
TREES TO PROTECT IN PLACE	•	N/A
TREES FOR REMOVAL	N/A	✕
RANDOM FILL AREA	N/A	
EXISTING STRUCTURE FOR DEMOLITION	////	N/A
CUTOFF WALL	==	---
LEVEE DEGRADE	N/A	----
LEVEE SLOPE FLATTENING	N/A	
RELIEF WELL	WELL°	○

**ABBREVIATIONS**

ACI	AMERICAN CONCRETE INSTITUTE	MAX	MAXIMUM
ALT	ALTERNATE	MBG	METAL BEAM GUARDRAIL
ALUM.	ALUMINUM	MIN	MINIMUM
APN	ASSESSOR'S PARCEL NO.	MISC	MISCELLANEOUS
APP, APPROX	APPROXIMATE	N	NORTH
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS	N/A	NOT APPLICABLE
AVE	AVENUE	NO	NUMBER
BEG	BEGIN	NTS	NOT TO SCALE
BLVD	BOULEVARD	OD	OUTSIDE DIAMETER
BM	BENCHMARK	OF	OUTSIDE FACE
BF	BOTTOM FACE	OH	OVERHEAD
C#	CURVE TABLE REFERENCE	OHWM	ORDINARY HIGH WATER MARK
CDF	CONTROL DENSITY FILL	PERM	PERMANENT
CIPCP	CAST-IN-PLACE CONCRETE PIPE	PC	POINT OF CURVATURE
CONST	CONSTRUCTION	PI	POINT OF INTERSECTION
CC	CENTER-TO-CENTER	PL, R	PROPERTY LINE
CCY	COMPACTED CUBIC YARDS	PSI	POUNDS PER SQUARE INCH
CJ	CONSTRUCTION JOINT	PT.	POINT
C	CENTERLINE	PVC	POLYVINYL CHLORIDE
CLR	CLEAR	PVMT	PAVEMENT
CLSM	CONTROLLED LOW STRENGTH MATERIAL	R	RADIUS
CONC	CONCRETE	RCP	REINFORCED CONCRETE PIPE
CONTR	CONTRACTION	RD	ROAD
CP	CONTROL POINT	REINF REQ	REINFORCING REQUIRED
CO.	COUNTY	RT	RIGHT
db	BAR DIAMETER	ROW	RIGHT-OF-WAY
DIA, Ø	DIAMETER	S	SOUTH
DIP	DUCTILE IRON PIPE	SCB	SOIL CONCRETE BENTONITE
DS	DOWNSTREAM	SBFCA	
DWG	DRAWING	SCH	SCHEDULE
DWY	DRIVEWAY	SECT	SECTION
E	EAST	SF	SQUARE FOOT
EA	EACH	SHT	SHEET
EF	EACH FACE	SP	SHEET PILE
EW	EACH WAY	SPEC	SPECIFICATIONS
EL, ELEV	ELEVATION	SS	STAINLESS STEEL
ESMT	EASEMENT	STA	STATION
ESVCP	EXTRA STRONG VITRIFIED CLAY PIPE	STR	STRUCTURE
EXIST, EX	EXISTING	TEMP	TEMPORARY
FCY	FILL CUBIC YARDS	TS	STRUCTURAL TUBING
FL	FLOW LINE	TYP	TYPICAL
FOC	FACE OF CURB	TOL	TOP OF LEVEE
FT	FOOT OR FEET	TOW	TOP OF WALL
FTG	FOOTING	TRANS	TRANSITION
FRWL	FEATHER RIVER WEST LEVEE	UPRR	UNION PACIFIC RAILROAD
GB	GRADE BREAK	US	UPSTREAM
GALV	GALVANIZED	USACE	
GL	GROUND LINE	VERT	VERTICAL
H	HEIGHT	VOL	VOLUME
HORIZ	HORIZONTAL	W/	WITH
HWY	HIGHWAY	WSE	WATER SURFACE ELEVATION
ID	INSIDE DIAMETER / IDENTIFICATION	W.S.P.	WELDED STEEL PIPE
IF	INSIDE FACE		
INV	INVERT		
L#	LINE TABLE REFERENCE		
L	LENGTH		
LF	LINEAR FEET		
LT	LEFT		



**SECTION AND DETAIL CROSS-REFERENCING CONVENTIONS**

**RECORD DRAWING**

I:\Jobs\8465\_HPR\_Sutter\_Built\_FCA\FINAL\GDP\_Closure\_Plans\5th\_Street\G\_Doc\ABBREV\_FNL\_5TH\_GAP.dwg 5/17/2017 10:47 AM Peter Blum

REV.	DATE	BY	CHK.	APPR.	DESCRIPTION
1	5/16/17	PB	CC	JK	RECORD DRAWING

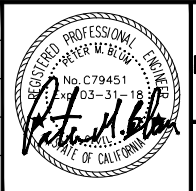
DESIGNED BY:  
P. BLUM, E. EYSTER

DRAWN BY:  
J. PRIEST

CHECKED BY:  
J. CHAPMAN

IN CHARGE:  
J. KORS

DATE:  
11/30/2016



**WOOD RODGERS**  
DEVELOPING • INNOVATIVE • DESIGN • SOLUTIONS  
3301 C STREET, BLDG. 100-B, SACRAMENTO, CA 95816  
PHONE: (916) 341-7789 FAX: (916) 341-7787

SUBMITTED \_\_\_\_\_

APPROVED \_\_\_\_\_

**SUTTER BUTTE FLOOD CONTROL AGENCY**

**FEATHER RIVER WEST LEVEE PROJECT**  
**5TH STREET BRIDGE GAP CLOSURE**

**LEGEND, ABBREVIATIONS & SYMBOLS**

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWING, ADJUST SCALES FOR REDUCED PLOTS

0" = 1"

DRAWING NO. SHEET  
**G-004 4**



**GENERAL NOTES**

- THE CONTRACTOR SHALL COORDINATE WORK WITH THE APPROPRIATE UTILITY SERVICE PROVIDER WHEN WORKING NEAR POWER LINES, POWER POLES, GAS MAINS, OR ANY OTHER UTILITY STRUCTURES, BOXES, ETC..
- THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR FURNISHING AND MAINTAINING ALL WARNING SIGNS, DEVICES, AND FEATURES NECESSARY TO PROTECT THE HEALTH AND SAFETY OF THE GENERAL PUBLIC AND WORKERS AND TO PROVIDE FOR THE PROPER AND SAFE ROUTING OF VEHICULAR AND PEDESTRIAN TRAFFIC DURING THE PERFORMANCE OF THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS APPLICABLE TO ALL WORK PERFORMED UNDER THE CONTRACT.
- THE CONTRACTOR SHALL PROVIDE EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, SIZES, AND LOCATIONS OF ALL EXISTING FACILITIES AND FEATURES BEFORE STARTING WORK AND SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- ALL CONSTRUCTION MATERIALS SHALL CONFORM TO THE CONTRACT SPECIFICATIONS.
- THE CONTRACTOR SHALL BE IN RECEIPT OF AGENCY-APPROVED PLANS PRIOR TO BEGINNING CONSTRUCTION WITHIN ANY AGENCY RIGHT-OF-WAY.
- UTILITY INFORMATION WAS COMPILED FROM DATA PROVIDED BY THE UTILITY OWNERS AND LOCATIONS ARE APPROXIMATE. THE ACTUAL LOCATIONS AND ELEVATIONS OF THE EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR. ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES SHALL BE PROTECTED FROM CONSTRUCTION EQUIPMENT AND OPERATIONS, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR IS HEREBY NOTIFIED THAT, PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES INVOLVED WITH THIS PROJECT. IN ADDITION, THE CONTRACTOR IS TO REQUEST TO HAVE ALL UNDERGROUND UTILITIES WHICH MAY POSSIBLY CONFLICT WITH THE ABOVEGROUND OR BELOWGROUND IMPROVEMENTS IDENTIFIED IN THE FIELD. THE CONTRACTOR OR ANY SUBCONTRACTOR IS REQUIRED TO NOTIFY UNDERGROUND SERVICE ALERT (U.S.A) 48 HOURS IN ADVANCE OF PERFORMING ANY EXCAVATION BY CALLING (800) 227-2600.
- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING MONUMENTS AND OTHER SURVEY MARKERS. MONUMENTS AND SURVEY MARKERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED BY A LICENSED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL PROVIDE SURVEYORS WITH AT LEAST 48 HOURS ADVANCE NOTICE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING RECORD DRAWINGS FOR ALL WORK THROUGHOUT THE COURSE OF CONSTRUCTION. SUCH DRAWINGS SHALL RECORD THE LOCATION AND GRADE OF ALL IMPROVEMENTS AND FILLS THAT ARE CONSTRUCTED AND COPIES SHALL BE DELIVERED TO THE AGENCY PRIOR TO THE ACCEPTANCE OF THE WORK AS INDICATED IN THE SPECIFICATIONS.
- DRAWINGS SHOWN WITH AERIAL PHOTOGRAPHS ARE PROVIDED FOR REFERENCE ONLY. ALL FACILITIES MAY NOT BE SHOWN ON PHOTOGRAPHS. THE CONTRACTOR SHALL SATISFY ITSELF AS TO THE LOCATION OF EXISTING FACILITIES THAT MAY BE AFFECTED BY CONSTRUCTION.
- EXISTING FENCING AND GATES WITHIN THE RIGHT-OF-WAY SHALL BE REMOVED AS REQUIRED FOR CONSTRUCTION AND AS SPECIFIED ON THE PLANS. SALVAGE OF FENCING ITEMS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS. WHERE EXISTING FENCING OR BARRIERS ARE REMOVED, TEMPORARY BARRIERS SHALL BE PROVIDED. FENCING AND GATE SIGNS SHALL BE REPLACED FOLLOWING CONSTRUCTION OF THE CUTOFF WALL AND CONSTRUCTION OF THE LEVEE EMBANKMENT.
- ALL FENCING OR GATES TO BE LOCATED ON A PROPERTY LINE SHALL BE LOCATED BY A LICENSED LAND SURVEYOR AUTHORIZED TO PRACTICE IN THE STATE OF CALIFORNIA.
- THE CUTOFF WALL SHALL EXTEND TO THE DEPTH SHOWN ON THE PLANS. SEE SPECIFICATION SECTIONS 31 62 41, 31 62 42, 31 62 43, AND 31 62 44 REGARDING THE AGENCY'S RIGHT TO EXTEND THE DEPTH OR LENGTH OF THE CUTOFF WALL BASED UPON FIELD CONDITIONS.
- SEE SPECIFICATION SECTION 01 35 26, GENERAL SIGNAGE AND SAFETY REQUIREMENTS, REGARDING PROJECT-RELATED SIGNS TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
- CUTOFF WALLS SHALL BE CONSTRUCTED WITH SOIL CEMENT BENTONITE UNLESS OTHERWISE SPECIFIED IN THE PLANS OR SPECIFICATIONS.
- THE CONTRACTOR SHALL PROVIDE DUST CONTROL AND STREET CLEANING MEASURES AT ALL TIMES AS INDICATED IN THE SWPPP DOCUMENT.

- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL UTILITIES DURING CONTRACT ACTIVITIES.
- ADMINISTRATION OF ALL WORK BY THE CONTRACTOR SHALL COMPLY WITH THE GENERAL SPECIFICATIONS.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING THE ADEQUACY OF EXISTING BRIDGE CROSSINGS PRIOR TO UTILIZING FOR ACCESS TO THE SITE OR FOR ANY HAULING ACTIVITIES. CROSSINGS DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE IMMEDIATELY RESTORED TO PRECONSTRUCTION CONDITION BY THE CONTRACTOR AT NO COST TO THE AGENCY. NOT ALL BRIDGE CROSSINGS ARE SHOWN ON THESE PLANS.
- A PRE- AND POST-CONSTRUCTION SURVEY INCLUDING VIDEO AND PHOTOGRAPHS SHALL BE ACCOMPLISHED BY THE CONTRACTOR FOR ALL PUBLIC AND PRIVATE AREAS IN AND ADJACENT TO THE CONSTRUCTION LIMITS, INCLUDING STAGING AREAS AND HAUL ROUTES ALONG THE LEVEE, PRIVATE ROADWAYS, AND RIGHT-OF-WAY ROADS. SURVEY WORK SHALL BE PERFORMED TO ENSURE ALL AREAS MODIFIED TO FACILITATE CONSTRUCTION (DUE TO GRADING, UTILITY RELOCATION, ETC.) ARE RETURNED TO THE PRE-PROJECT CONDITION. COPIES OF PRE- AND POST-CONSTRUCTION SURVEYS SHALL BE PROVIDED TO THE CONTRACTING OFFICER PRIOR TO ANY MOBILIZATION/DEMOLITION ACTIVITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RESTORE ALL DAMAGED ROADWAYS, UTILITIES, GRADING, VEGETATION, IRRIGATION, ETC. TO THE PRE-PROJECT CONDITION OR BETTER AT HIS OWN EXPENSE AND ANY ANTICIPATED RESTORATION COSTS SHALL BE INCLUDED IN THE CONTRACTOR'S BID.
- THE CONTRACTOR SHALL HAVE A SUPERINTENDENT OR RESPONSIBLE PARTY ON SITE AT ALL TIMES DURING CONSTRUCTION.
- CONSTRUCTION EQUIPMENT SHALL BE PROPERLY MUFFLED. UNNECESSARY IDLING OF ANY CONSTRUCTION EQUIPMENT IS PROHIBITED.

**BASIS OF DESIGN**

- GEOTECHNICAL INFORMATION USED FOR THIS DRAWING SET WAS PROVIDED BY URS, INC. IN THE FOLLOWING DOCUMENT:
  - FEATHER RIVER WEST LEVEE IMPROVEMENT PROGRAM PRE-DESIGN FORMULATION REPORT APPENDIX D, FEBRUARY 2011.
  - FEATHER RIVER WEST LEVEE IMPROVEMENT PROGRAM GEOTECHNICAL DESIGN RECOMMENDATIONS REPORT SEGMENTS 1 THROUGH 6, OCTOBER 2012.
- THE DESIGN WATER SURFACE ELEVATIONS WERE PROVIDED BY PBI, INC. IN THE FOLLOWING DOCUMENT:
  - DESIGN WATER SURFACE PROFILES FOR THE FEATHER RIVER WEST LEVEE REHABILITATION PROJECT, JULY 2012.
- THE PERFORMANCE OF LEVEE SYSTEMS IS DEPENDENT UPON THE DESIGN CRITERIA AND THE LONG TERM OPERATION AND MAINTENANCE OF THE LEVEES. WOOD RODGERS, INC. HAS PREPARED THESE PLANS AND ASSOCIATED SPECIFICATIONS IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICE USING INFORMATION FROM MULTIPLE SOURCES, INCLUDING SBFCA'S OTHER DESIGN CONSULTANTS. IF EXTREME FLOODS (EXCEEDING THE DESIGN PROFILE), EARTHQUAKES, OR OTHER LOADING CONDITIONS NOT EVALUATED IN THE DESIGN OCCUR, THE INTEGRITY OF THE LEVEE SYSTEM MAY BE COMPROMISED.

**SWPPP**

THE CONTRACTOR SHALL IMPLEMENT THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH THESE PLANS AND THE PROJECT SPECIFICATIONS. THE SWPPP WAS PREPARED AND PROVIDED BY ICF, INC.

**PERMIT NOTES**

- A PERMIT FROM THE CENTRAL VALLEY FLOOD PROTECTION BOARD HAS BEEN OBTAINED IN ORDER TO CONSTRUCT THE IMPROVEMENTS AS SHOWN ON THE PLANS. A COPY OF THE PERMIT WILL BE AVAILABLE TO THE CONTRACTOR DURING THE BIDDING PROCESS IF IT IS AVAILABLE, OTHERWISE A COPY OF THE PROJECT C (CONTRACT NO. 01-2013C) PERMIT WILL BE MADE AVAILABLE AS A SAMPLE. THE CONTRACTOR SHALL FOLLOW ALL CONDITIONS AS INDICATED IN THIS PERMIT. A COPY OF THIS PERMIT SHALL BE POSTED ON THE CONSTRUCTION SITE.
- SEE GENERAL SPECIFICATIONS AND SPECIAL PROVISIONS FOR ALL PERMITS APPLICABLE TO THE CONTRACT.

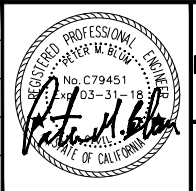
CONTACT REPRESENTATIVES			
CLIENT / CONSULTANT	REPRESENTATIVES		PHONE
UNDERGROUND ALERT	U.S.A.	---	811
OWNER	SBFCA	MICHAEL BESSETTE	530-755-9869
OWNER (O&M)	LEVEE DISTRICT NO. 1	DREW STRESSER	530-673-2454
DESIGN ENGINEER	WOOD RODGERS, INC.	JONATHAN KORS	916-326-5294
DESIGN ENGINEER (PIPE)	MHM INCORPORATED	SEAN MINARD	530-742-6485
GEOTECHNICAL ENGINEER	AECOM	MICHAEL HUGHES	916-679-2000
SURVEYOR	WOOD RODGERS, INC.	JONATHAN KORS	916-326-5294
GAS	PG&E	JEFF GRACE	916-386-5266
ELECTRICITY - DISTRIBUTION	PG&E	AARON PATANE	530-896-4212
ELECTRICITY - TRANSMISSION	PG&E	AARON PATANE	530-896-4212
TELEPHONE	AT&T	GREG ELLIS	916-409-1355
CABLE	COMCAST	BRANDON STOKES	530-332-5993
PUBLIC WORKS	COUNTY OF SUTTER	AL SAWYER	530-822-7450
PUBLIC WORKS	CITY OF YUBA CITY	DIANA LANGLEY	530-822-4632
UNION PACIFIC RAILROAD	-	KEVIN YODER	916-789-5152

**RECORD DRAWING**

I:\Jobs\0455\_HDR\_Sutter\_Butte\_FCA\FRM\_000\Civil\Draw\Copy\Course Plans\5th Street\G\_005\_NOTES\_FRM\_5th\_CAP.dwg, 5/17/2016, 10:48 AM Peter Bunn

REV.	DATE	BY	CHK.	APPR.	DESCRIPTION
1	5/16/17	PB	CC	JK	RECORD DRAWING

DESIGNED BY:  
P. BLUM, E. EYSTER  
DRAWN BY:  
J. PRIEST  
CHECKED BY:  
J. CHAPMAN  
IN CHARGE:  
J. KORS  
DATE:  
11/30/2016



**WOOD RODGERS**  
 DEVELOPING • INNOVATIVE • DESIGN • SOLUTIONS  
 3301 C STREET, BLDG. 100-B, SACRAMENTO, CA 95816  
 PHONE: (916) 341-7789 FAX: (916) 341-7767

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

**SUTTER BUTTE FLOOD CONTROL AGENCY**

**FEATHER RIVER WEST LEVEE PROJECT**  
**5TH STREET BRIDGE GAP CLOSURE**

**GENERAL NOTES**

VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING, ADJUST SCALES FOR REDUCED PLOTS

DRAWING NO. **G-005** SHEET **5**



I:\Jobs\9445-Sub-Sutter Butte FCA\Drawings\1010\Cut\Draw\Gap Closure Plans\5th Street\6\_006\_SURCTL-01\_FRM\_5TH\_CAP.dwg 5/17/2017 10:48 AM Peter Blum



**SURVEY CONTROL POINTS**

1. THE FOLLOWING CONTROL POINTS HAVE BEEN ESTABLISHED BY WOOD RODGERS, INC. AS PART OF THE DEPARTMENT OF WATER RESOURCES (DWR) CENTRAL VALLEY FLOODPLAIN EVALUATION AND DELINEATION (CVFD) PROGRAM'S GLOBAL POSITIONING SYSTEM (GPS) CONTROL NETWORK AND ARE PROVIDED FOR THE CONTRACTOR'S USE:

POINT	NORTHING	EASTING	ELEV	C.S.F.	DESCRIPTION
451	2177143.772	6685135.676	68.733	1.000083577	5/8 REBAR W/CAP - WRC451
474	2199365.026	6657402.408	67.395	1.000081947	MAG NAIL/W WASHER - WRC474

2. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL CONTROL POINTS. WHERE CONTROL POINTS CONFLICT WITH OR WILL BE REMOVED BY LEVEE DEGRADING ACTIVITIES, THE CONTRACTOR SHALL REMOVE AND REPLACE THE CONTROL POINTS AT CONTRACTOR'S EXPENSE.  
 3. CONTROL POINTS DISTURBED BY CONTRACTOR'S OPERATIONS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

**ABBREVIATIONS:**

△ CP-474 SURVEY CONTROL POINT  
 C.F.S. COMBINED SCALE FACTOR

**NOTES:**

1. SURVEY DATA (AERIAL PHOTO, TOPOGRAPHIC MAPPING, BOUNDARY SURVEY, AND SURVEY CONTROL) SHOWN HEREON IS BASED ON INFORMATION PROVIDED BY: WOOD RODGERS, INC. THE AERIAL PHOTO IS DATED MARCH 16-17, 2008. THE SURVEY CONTROL WAS ESTABLISHED SEPTEMBER 2008.
2. TOPOGRAPHIC MAPPING IS BASED ON LIGHT DETECTION AND RANGING (LIDAR) DATA DATED MARCH 16-27, 2008, UNLESS OTHERWISE NOTED.
3. BASELINE COORDINATES, DISTANCE, AND STATIONING SHOWN ON THE PLANS ARE "GRID" BASED UPON THE GLOBAL POSITIONING SYSTEM (GPS) CONTROL NETWORK, ADJUSTED TO NATIONAL GEODETIC SURVEY (NGS) PUBLISHED UTM ZONE 10 COORDINATES AND ORTHOMETRIC HEIGHT, CONVERTED TO CALIFORNIA COORDINATE SYSTEM, ZONE 2. MULTIPLY GRID DISTANCES WITH THE COMBINED SCALE FACTOR AS FOLLOWS TO OBTAIN GROUND DISTANCES:

STATION	C.S.F.
800+00-1100+00	1.0000844943

**HORIZONTAL DATUM**

THE HORIZONTAL DATUM OF THIS SURVEY IS THE NORTH AMERICAN DATUM OF 1983 (NAD83) BEING THE CALIFORNIA COORDINATE SYSTEM OF 1983 ZONE 2 (GRID SURFACE).

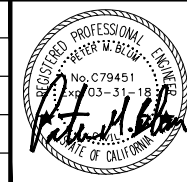
**VERTICAL DATUM**

THE VERTICAL DATUM OF THIS SURVEY IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) BEING BASED ON NATIONAL GEODETIC SURVEY (NGS) POINTS LISTED AND DERIVED BY GLOBAL POSITIONING SYSTEM (GPS) STATIC METHOD.

**RECORD DRAWING**

REV.	DATE	BY	CHK.	APPR.	DESCRIPTION
1	5/16/17	PB	CC	JK	RECORD DRAWING

DESIGNED BY:  
 P. BLUM, E. EYSTER  
 DRAWN BY:  
 J. PRIEST  
 CHECKED BY:  
 J. CHAPMAN  
 IN CHARGE:  
 J. KORS  
 DATE:  
 11/30/2016



**WOOD RODGERS**  
 DEVELOPING • INNOVATIVE • DESIGN • SOLUTIONS  
 5301 C STREET, BLDG. 100-4, SACRAMENTO, CA 95816  
 PHONE: (916) 341-7760 FAX: (916) 341-7767

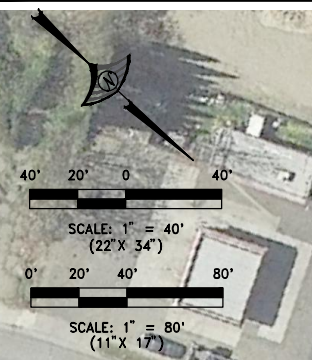
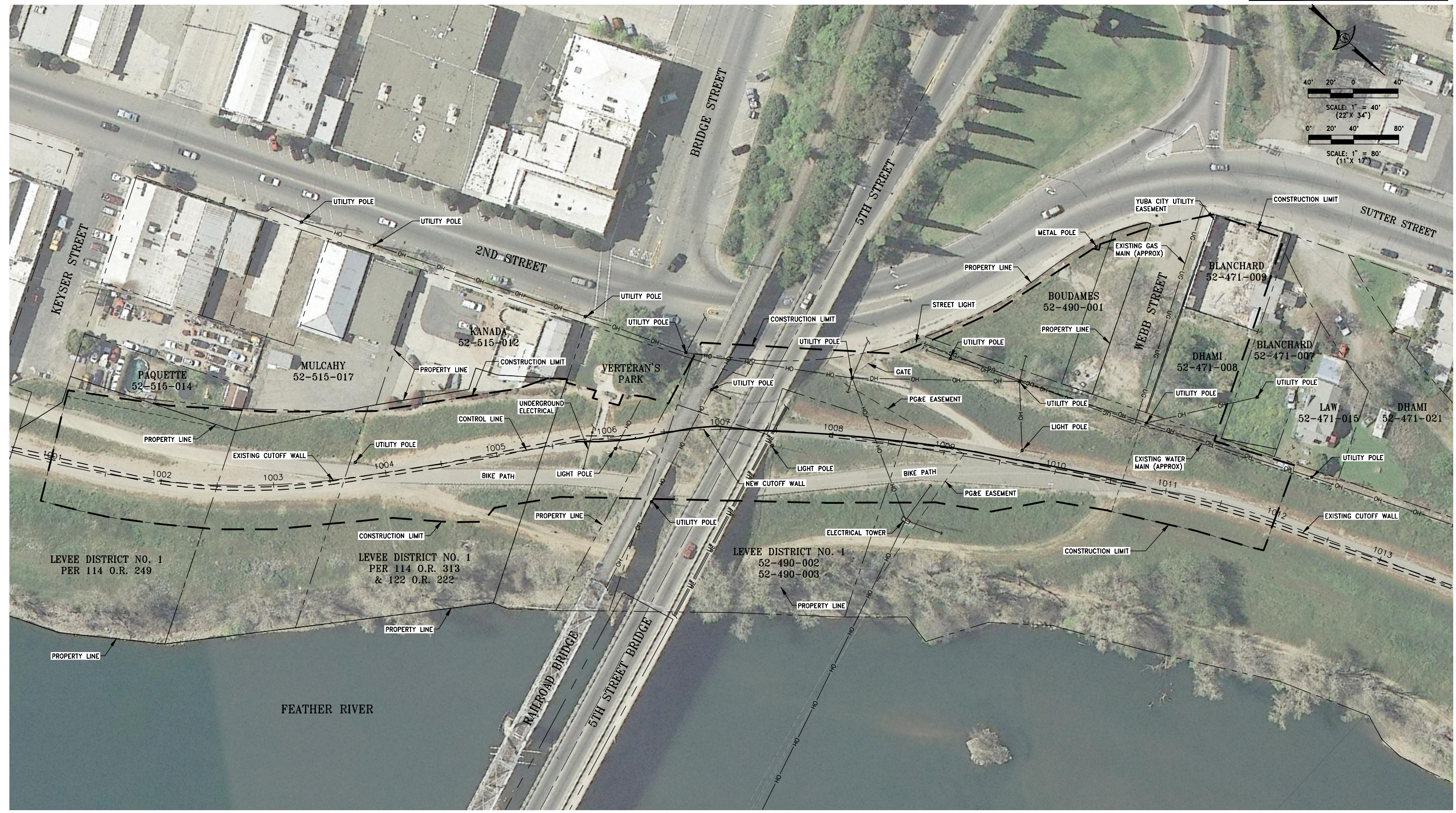
SUBMITTED \_\_\_\_\_ APPROVED \_\_\_\_\_

**SUTTER BUTTE FLOOD CONTROL AGENCY**  
**FEATHER RIVER WEST LEVEE PROJECT**  
**5TH STREET BRIDGE GAP CLOSURE**  
**SURVEY CONTROL MAP**

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

DRAWING NO. SHEET  
**G-006 6**

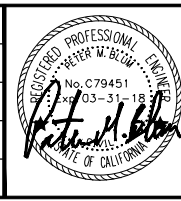




I:\Jobs\9445\_Sutter\_Butte\_FCA\PRW\_1010\Civil\Draw\Gap Closure Plans\5th Street\G-101\_Aerial-01\_FRW\_5TH\_GAP.dwg 5/17/2017 10:48 AM Peter Blum

REV.	DATE	BY	CHK.	APPR.	DESCRIPTION
1	5/16/17	PB	CC	JK	RECORD DRAWING

DESIGNED BY:  
 P. BLUM, E. EYSTER  
 DRAWN BY:  
 J. PRIEST  
 CHECKED BY:  
 J. CHAPMAN  
 IN CHARGE:  
 J. KORS  
 DATE:  
 11/30/2016



**WOOD RODGERS**  
 DEVELOPING • INNOVATIVE • DESIGN • SOLUTIONS  
 5301 C STREET, BLDG. 100-4, SACRAMENTO, CA 95816  
 PHONE: (916) 341-7760 FAX: (916) 341-7767

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

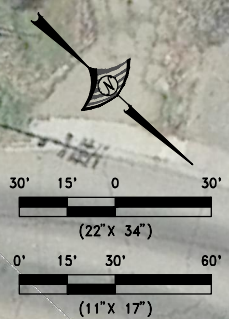
**SUTTER BUTTE FLOOD CONTROL AGENCY**  
**FEATHER RIVER WEST LEVEE PROJECT**  
**5TH STREET BRIDGE GAP CLOSURE**  
**AERIAL PHOTO (STA 1001+00 TO 1013+00)**

VERIFY SCALES  
 BAR IS ONE INCH ON  
 ORIGINAL DRAWING, ADJUST  
 SCALES FOR REDUCED PLOTS  
 0" = 1"  
 DRAWING NO. SHEET  
**G-101 7**



**CONSTRUCTION NOTES:**

- 1 REMOVE EXISTING APPROACH SLAB, SEE DETAIL DWG C-303



**CUTOFF WALL ALIGNMENT**

LINE TABLE		
LINE	LENGTH	BEARING
L1	19.977	N43°11'56"W
L2	21.137	N46°02'13"W
L3	16.771	N49°48'12"W
L4	21.463	N54°42'05"W
L5	25.736	N53°13'02"W
L6	22.028	N47°58'11"W
L7	10.317	N35°09'01"W
L8	14.780	N37°01'49"W
L9	9.798	N37°38'26"W
L10	24.013	N39°39'14"W
L11	17.778	N40°35'42"W

LINE TABLE		
LINE	LENGTH	BEARING
L12	21.500	N39°15'01"W
L13	32.052	N38°11'14"W
L14	38.692	N36°57'44"W
L15	34.902	N36°02'25"W
L16	29.110	N32°58'23"W
L17	31.399	N32°04'07"W
L18	28.825	N32°32'51"W
L19	28.546	N32°06'14"W
L20	27.743	N31°14'24"W
L21	25.916	N31°36'10"W

DESIGNED BY: P. BLUM, E. EYSTER		<p>WOOD RODGERS DEVELOPING • INNOVATIVE • DESIGN • SOLUTIONS 3301 C STREET, BLDG. 100-2, SACRAMENTO, CA 95816 PHONE: (916) 341-7760 FAX: (916) 341-7767</p>	<p><b>SUTTER BUTTE FLOOD CONTROL AGENCY</b></p> <p><b>FEATHER RIVER WEST LEVEE PROJECT</b></p> <p><b>5TH STREET BRIDGE GAP CLOSURE</b></p> <p><b>CUTOFF WALL ALIGNMENT &amp; STAGING AREA PLAN</b></p>	<p>VERIFY SCALES BAR IS ONE INCH ON ORIGINAL DRAWING, ADJUST SCALES FOR REDUCED PLOTS</p> <p>1" = 30'</p> <p>DRAWING NO. SHEET <b>G-102 8</b></p>
DRAWN BY: J. PRIEST				
CHECKED BY: J. CHAPMAN				
IN CHARGE: J. KORS				
DATE: 11/30/2016				

REV.	DATE	BY	CHK.	APPR.	DESCRIPTION
1	5/16/17	PB	CC	JK	RECORD DRAWING



**NOTES:**

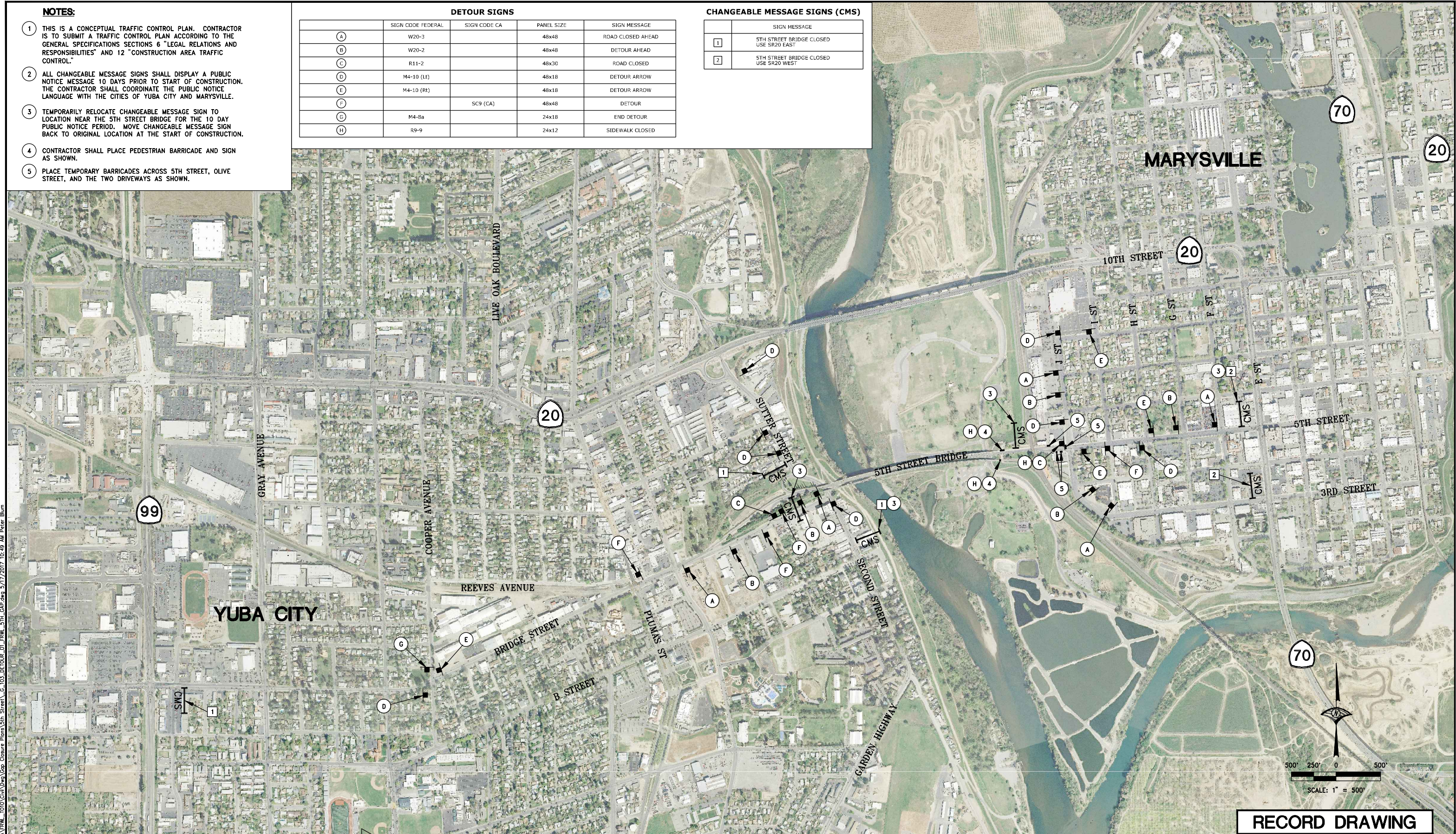
- THIS IS A CONCEPTUAL TRAFFIC CONTROL PLAN. CONTRACTOR IS TO SUBMIT A TRAFFIC CONTROL PLAN ACCORDING TO THE GENERAL SPECIFICATIONS SECTIONS 6 "LEGAL RELATIONS AND RESPONSIBILITIES" AND 12 "CONSTRUCTION AREA TRAFFIC CONTROL."
- ALL CHANGEABLE MESSAGE SIGNS SHALL DISPLAY A PUBLIC NOTICE MESSAGE 10 DAYS PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE THE PUBLIC NOTICE LANGUAGE WITH THE CITIES OF YUBA CITY AND MARYSVILLE.
- TEMPORARILY RELOCATE CHANGEABLE MESSAGE SIGN TO LOCATION NEAR THE 5TH STREET BRIDGE FOR THE 10 DAY PUBLIC NOTICE PERIOD. MOVE CHANGEABLE MESSAGE SIGN BACK TO ORIGINAL LOCATION AT THE START OF CONSTRUCTION.
- CONTRACTOR SHALL PLACE PEDESTRIAN BARRICADE AND SIGN AS SHOWN.
- PLACE TEMPORARY BARRICADES ACROSS 5TH STREET, OLIVE STREET, AND THE TWO DRIVEWAYS AS SHOWN.

**DETOUR SIGNS**

	SIGN CODE FEDERAL	SIGN CODE CA	PANEL SIZE	SIGN MESSAGE
(A)	W20-3		48x48	ROAD CLOSED AHEAD
(B)	W20-2		48x48	DETOUR AHEAD
(C)	R11-2		48x30	ROAD CLOSED
(D)	M4-10 (L)		48x18	DETOUR ARROW
(E)	M4-10 (R)		48x18	DETOUR ARROW
(F)		SC9 (CA)	48x48	DETOUR
(G)	M4-8a		24x18	END DETOUR
(H)	R9-9		24x12	SIDEWALK CLOSED

**CHANGEABLE MESSAGE SIGNS (CMS)**

	SIGN MESSAGE
1	5TH STREET BRIDGE CLOSED USE SR20 EAST
2	5TH STREET BRIDGE CLOSED USE SR20 WEST



**RECORD DRAWING**

REV.	DATE	BY	CHK.	APPR.	DESCRIPTION
1	5/16/17	PB	CC	JK	RECORD DRAWING

DESIGNED BY:  
P. BLUM, E. EYSTER

DRAWN BY:  
J. PRIEST

CHECKED BY:  
J. CHAPMAN

IN CHARGE:  
J. KORS

DATE:  
11/30/2016

**WOOD RODGERS**  
REGISTERED PROFESSIONAL ENGINEER  
No. C79451  
3301 C STREET, BLDG. 100-B, SACRAMENTO, CA 95816  
PHONE: (916) 341-7760 FAX: (916) 341-7767

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

**SUTTER BUTTE FLOOD CONTROL AGENCY**

**FEATHER RIVER WEST LEVEE PROJECT**  
**5TH STREET BRIDGE GAP CLOSURE**  
**CONCEPTUAL BRIDGE CLOSURE DETOUR**

VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWING, ADJUST SCALES FOR REDUCED PLOTS  
0 250' 500' 1"

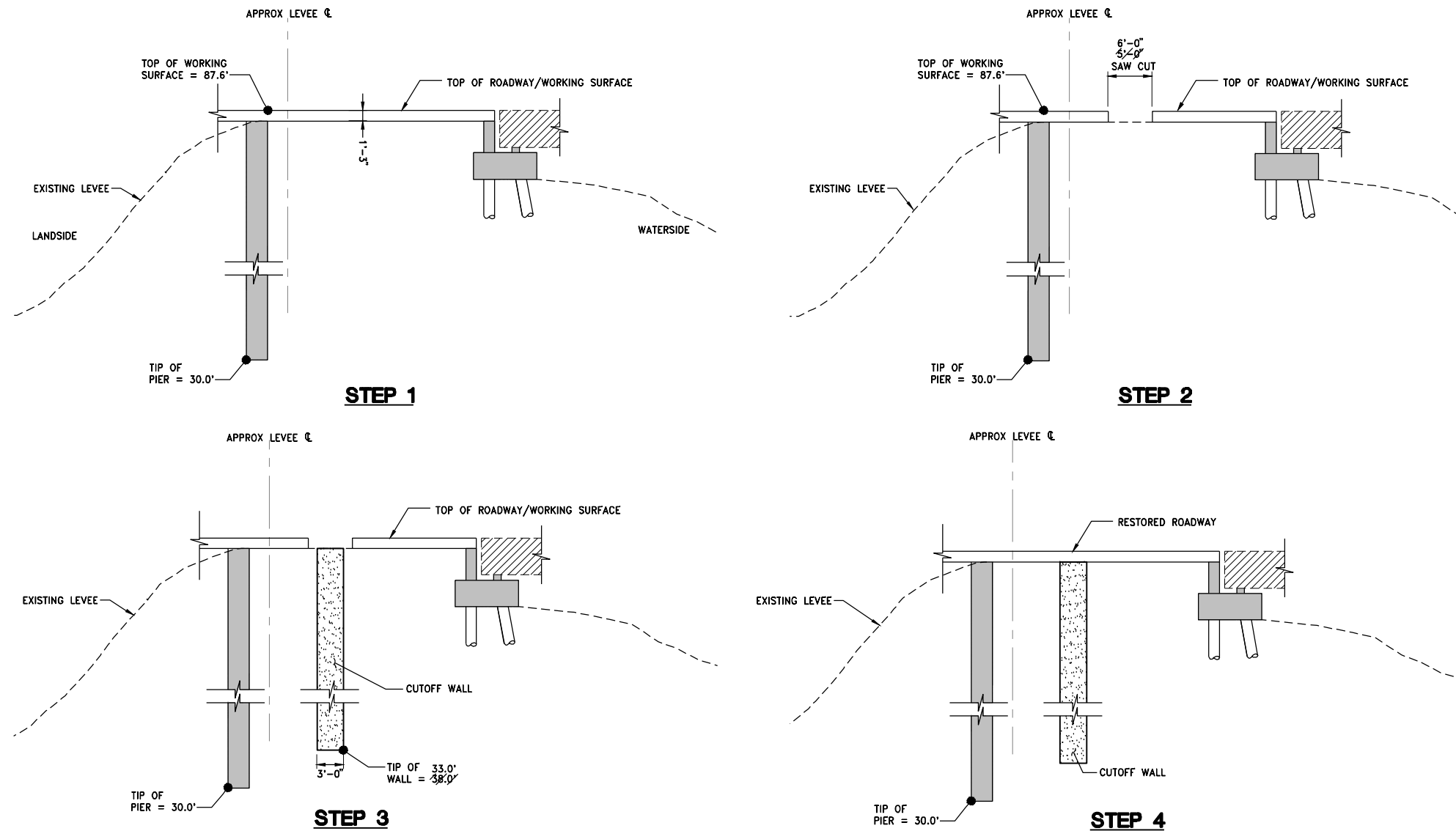
DRAWING NO. SHEET  
**G-103 9**

I:\Projects\Bates\_HDR\_Sutter\_Butte\_FCA\Drawings\2016\Civil\Drawings\Cop\Change Plans\5th Street\G\_103\_DETOUT\_01\_FRM\_5TH\_GAP.dwg 5/17/2017 10:49 AM Peter Bum









**CLOSURE CONSTRUCTION THROUGH ROADWAY (STA 1007+04.70 - 1007+49.00)**

**CONSTRUCTION SEQUENCE:**

- STEP 1: REMOVE SIDEWALKS, MEDIAN, FENCES AND BARRIERS 15' ON EACH SIDE OF PROPOSED CUTOFF WALL
- STEP 2: SAW CUT 6' FOR CONSTRUCTION THROUGH ROADWAY
- STEP 3: CONSTRUCT CUTOFF WALL IN ACCORDANCE WITH SPECIFICATIONS.
- STEP 4: RESTORE ROADWAY TO PRE-PROJECT CONDITIONS.

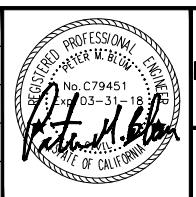
**NOTE:**

- 1 CUTOFF WALL EXCAVATOR MUST BE SET BACK A MINIMUM OF 6' FROM THE WING WALL ON THE SOUTH SIDE OF 5TH STREET BRIDGE.

J:\web\8465\_HPR\_Sutter\_Butte\_FCA\FRM\_2010\Civil\Draw\Gap Closure Plans\5th Street\C\_301\_01\_FRM\_5th\_Gap.dwg 5/17/2017 10:49 AM Peter Blum

REV.	DATE	BY	CHK.	APPR.	DESCRIPTION
1	5/16/17	PB	CC	JK	RECORD DRAWING

DESIGNED BY:  
P. BLUM, E. EYSTER  
DRAWN BY:  
J. PRIEST  
CHECKED BY:  
J. CHAPMAN  
IN CHARGE:  
J. KORS  
DATE:  
11/30/2016



**WOOD RODGERS**  
DEVELOPING • INNOVATIVE • DESIGN • SOLUTIONS  
3301 C STREET, BLDG. 100-B, SACRAMENTO, CA 95816  
PHONE: (916) 341-7789 FAX: (916) 341-7787

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

**SUTTER BUTTE FLOOD CONTROL AGENCY**

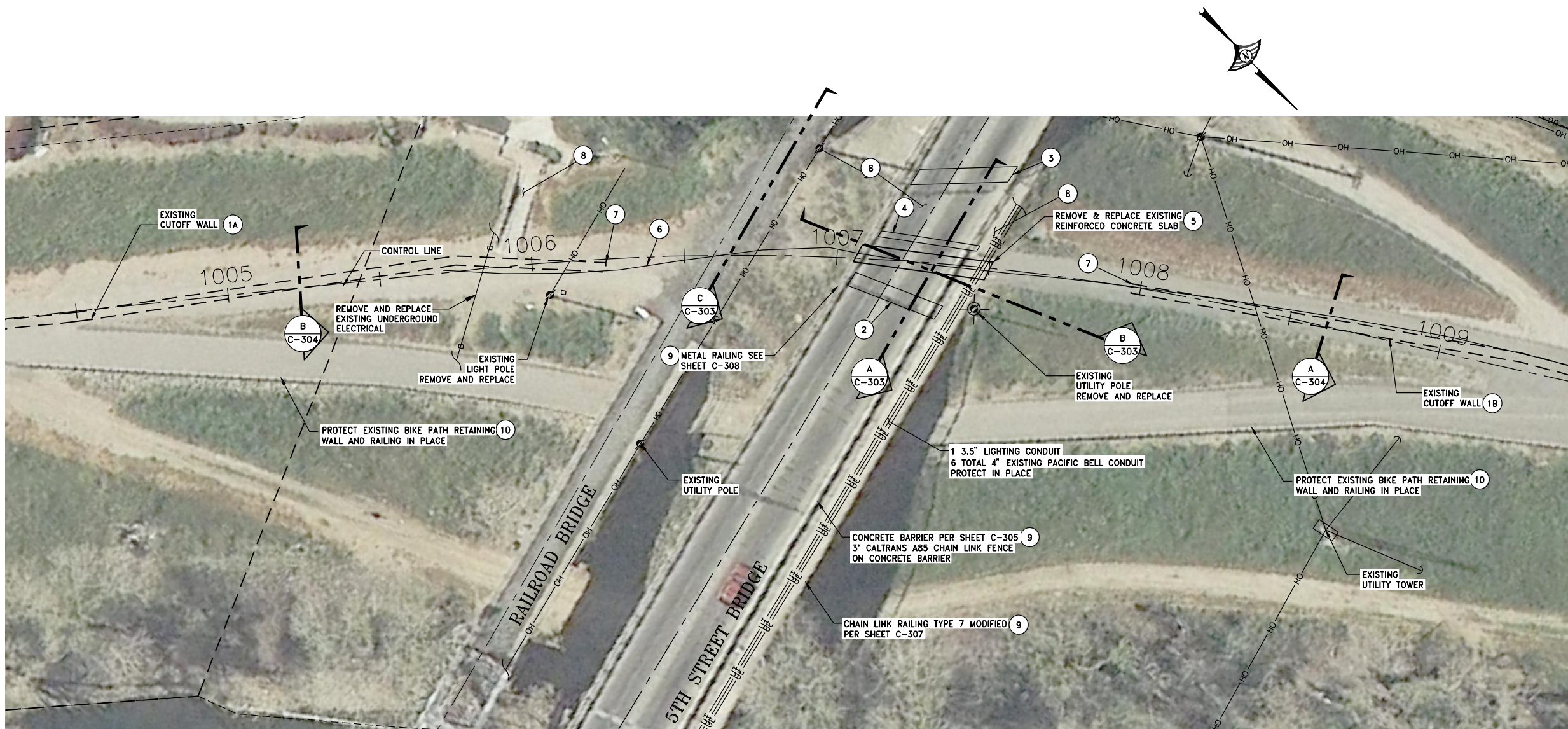
**FEATHER RIVER WEST LEVEE PROJECT**  
**5TH STREET BRIDGE GAP CLOSURE**

**CLOSURE CONSTRUCTION SEQUENCE & NOTES**

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

DRAWING NO. SHEET  
**C-301 11**





**5TH STREET BRIDGE & RR CROSSING - PLAN**

SCALE: 1" = 20'

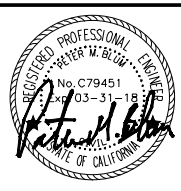
**CONSTRUCTION NOTES:**

- 1A EXISTING SLURRY CUTOFF SCB WALL  
DEPTH= 33'  
TOW EL= 75.5±  
BOW EL= 42.5±
- 1B EXISTING SLURRY CUTOFF SCB WALL  
DEPTH= 34'  
TOW EL= 76.5±  
BOW EL= 42.5±
- 2 EXISTING BRIDGE ABUTMENT
- 3 EXISTING BRIDGE ABUTMENT
- 4 EXISTING PIER
- 5 15' +/- THICK CONCRETE SLAB
- 6 CUTOFF WALL PER DETAILS ON DWG C-101 & G-102. SEE CUTOFF WALL PROFILE ON DWG C-401 FOR TOP AND TIP ELEVATIONS.
- 7 APPROXIMATE END OF EXISTING SCB WALL. CONTRACTOR SHALL VERIFY LOCATIONS OF ENDS OF CUTOFF WALL.
- 8 PROTECT EXISTING STAIRS IN PLACE
- 9 REMOVE 15' ON EACH SIDE OF PROPOSED CUTOFF WALL TO ALLOW FOR CONSTRUCTION. REPLACE IN KIND AFTER CONSTRUCTION IS FINISHED.
- 10 FOR BIKE PATH AS-BUILT SEE SHEET C-310 TO C-316

J:\05\8455\_HDR\_Sutter\_Butte\_FCA\FRM\1010\Civil\Drawings\Closure Plans\5th Street\C\_302\_DTL-02\_FRM\_5TH\_5TH\_GAP.dwg 5/17/2017 10:50 AM Peter Blum

REV.	DATE	BY	CHK.	APPR.	DESCRIPTION
1	5/16/17	PB	CC	JK	RECORD DRAWING

DESIGNED BY:  
P. BLUM, E. EYSTER  
 DRAWN BY:  
J. PRIEST  
 CHECKED BY:  
J. CHAPMAN  
 IN CHARGE:  
J. KORS  
 DATE:  
11/30/2016



**WOOD RODGERS**  
 DEVELOPING • INNOVATIVE • DESIGN • SOLUTIONS  
 3301 C STREET, BLDG. 100B, SACRAMENTO, CA 95816  
 PHONE: (916) 344-7760 FAX: (916) 344-7767

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

**SUTTER BUTTE FLOOD CONTROL AGENCY**  
**FEATHER RIVER WEST LEVEE PROJECT**  
**5TH STREET BRIDGE GAP CLOSURE**  
 TYPICAL DETAILS - 1 OF 3

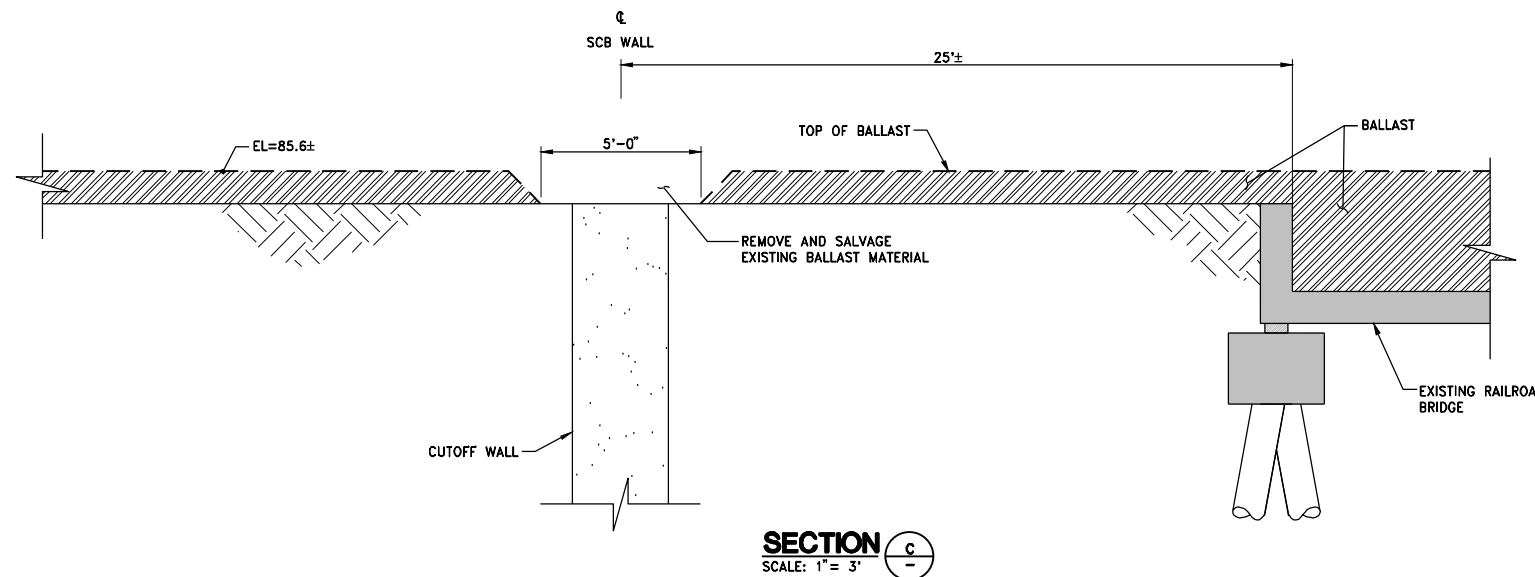
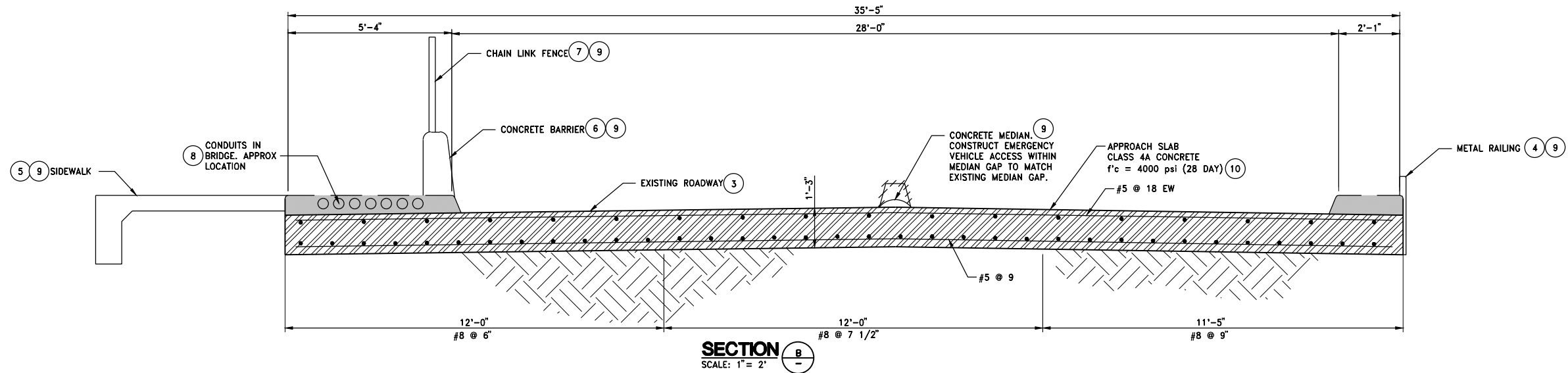
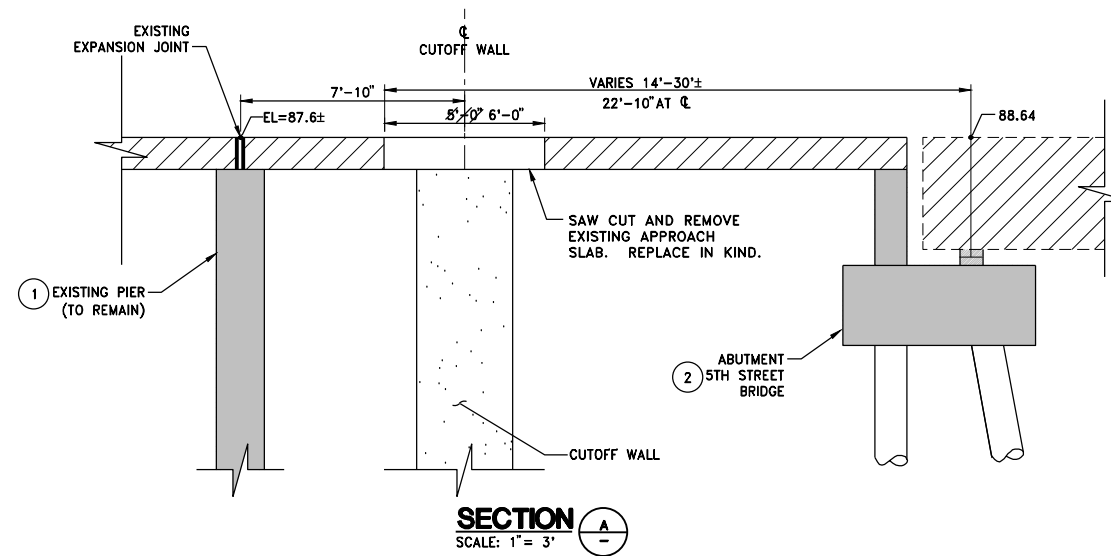
**VERIFY SCALES**  
 BAR IS ONE INCH ON ORIGINAL DRAWING, ADJUST SCALES FOR REDUCED PLOTS  
 0" = 1"

DRAWING NO. SHEET  
**C-302 12**



AS-BUILT NOTES:

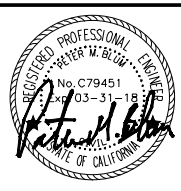
- 1 PIER PER AS-BUILT AVAILABLE ON SHEET C-309
- 2 ABUTMENT PER AS-BUILT AVAILABLE ON SHEET C-3109
- 3 ROADWAY CROSS SECTION AS-BUILT AVAILABLE ON SHEET C-309
- 4 METAL RAILING PER AS-BUILT ON SHEET C-308
- 5 SIDEWALK PER AS-BUILT ON SHEET C-306
- 6 CONCRETE BARRIER PER AS-BUILT ON SHEET C-305
- 7 CHAIN LINK FENCE PER CALTRANS STANDARD PLANS AB5
- 8 CONDUITS SHOWN AS APPROXIMATE LOCATION PER C-305. CONTRACTOR TO COORDINATE WITH OWNER TO DETERMINE EXACT LOCATIONS. PROTECT IN PLACE.
- 9 REMOVE WITHIN 15' OF PROPOSED CUTOFF WALL IN ORDER FOR CONSTRUCTION. REPLACE IN KIND AFTER CONSTRUCTION HAS FINISHED.
- 10 SEE CALTRANS STANDRAD SPECIFICATIONS FOR CONCRETE REQUIREMENTS PRIOR TO OPENING ROADWAY TO TRAFFIC.



912:100's\8455\_HDR\_Sutter\_Butte\_FCA\FRM\_1010\Civil\Drawings\Gap Closure Plans\5th Street\C\_303\_DTL-03\_FRM\_5TH\_5TH\_GAP.dwg 5/17/2017 10:50 AM Peter Blum

REV.	DATE	BY	CHK.	APPR.	DESCRIPTION
1	5/16/17	PB	CC	JK	RECORD DRAWING

DESIGNED BY:  
P. BLUM, E. EYSTER  
DRAWN BY:  
J. PRIEST  
CHECKED BY:  
J. CHAPMAN  
IN CHARGE:  
J. KORS  
DATE:  
11/30/2016



**WOOD RODGERS**  
DEVELOPING • INNOVATIVE • DESIGN • SOLUTIONS  
3301 C STREET, BLDG. 105B, SACRAMENTO, CA 95816  
PHONE: (916) 344-7760 FAX: (916) 344-7767

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

**SUTTER BUTTE FLOOD CONTROL AGENCY**

**FEATHER RIVER WEST LEVEE PROJECT**  
**5TH STREET BRIDGE GAP CLOSURE**

TYPICAL DETAILS - 2 OF 3

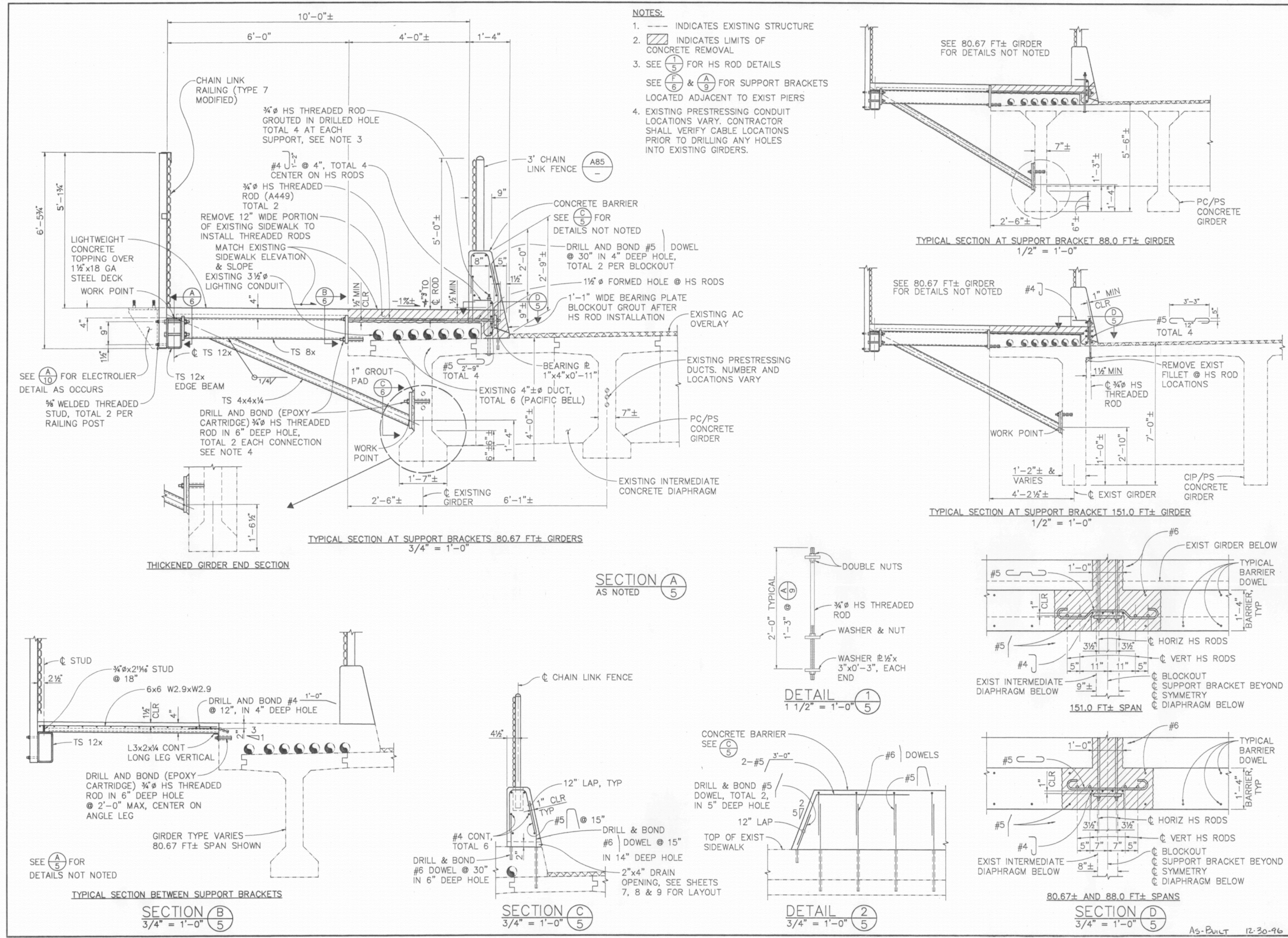
VERIFY SCALES  
BAR IS ONE INCH ON ORIGINAL DRAWING, ADJUST SCALES FOR REDUCED PLOTS

DRAWING NO. SHEET  
**C-303 13**

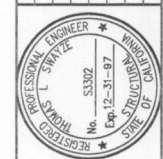








NO.	REVISIONS	DATE	BY
1	REVISED FOR REBID	12/12/16	TL
2	RESPONSE TO 100% COMMENTS	1/12/17	TL
3	100% SUBMITTAL	1/12/17	TL
4	65% SUBMITTAL	9/27/16	TL



REGISTERED STRUCTURAL ENGINEER  
 PLANS APPROVAL DATE: 1/14/17

**BIGGS CARDOSA ASSOCIATES INC.**  
 STRUCTURAL ENGINEERS  
 1007 The American, Suite 202  
 San Jose, California 95128  
 408-288-5616

FIFTH STREET BRIDGE BICYCLE LANE  
 CALIFORNIA  
 YUBA COUNTY  
 TYPICAL SECTIONS & DETAILS NO. 1

DESIGNED BY: PJD	DRAWN BY: DSD	CHECKED BY: JLA	APPROVED BY: [Signature]
SCALE: AS SHOWN	PROJECT NO: 93058.1	BRIDGE NO: 18C-012	SHEET 5 OF 12

4:3058455\_HDR\_Sutter\_Butte\_FCA(FRM)\_T010(Civil)Gap Closure Plans\_5th Street\_305-DTL-05\_FRM\_5TH\_CAP.dwg 5/17/2017 10:50 AM Peter Blum

REV.	DATE	BY	CHK.	APPR.	DESCRIPTION
1	5/16/17	PB	CC	JK	RECORD DRAWING

DESIGNED BY:  
P. BLUM, E. EYSTER

DRAWN BY:  
J. PRIEST

CHECKED BY:  
J. CHAPMAN

IN CHARGE:  
J. KORS

DATE:  
11/30/2016



**WOOD RODGERS**  
 DEVELOPING • INNOVATIVE • DESIGN • SOLUTIONS  
 3301 C STREET, BLDG. 105B, SACRAMENTO, CA 95816  
 PHONE: (916) 341-7760 FAX: (916) 341-7767

**SUTTER BUTTE FLOOD CONTROL AGENCY**

**FEATHER RIVER WEST LEVEE PROJECT**  
**5TH STREET BRIDGE GAP CLOSURE**

AS-BUILT: 5TH ST BRIDGE - TYP. SECTIONS & DETAILS NO. 1

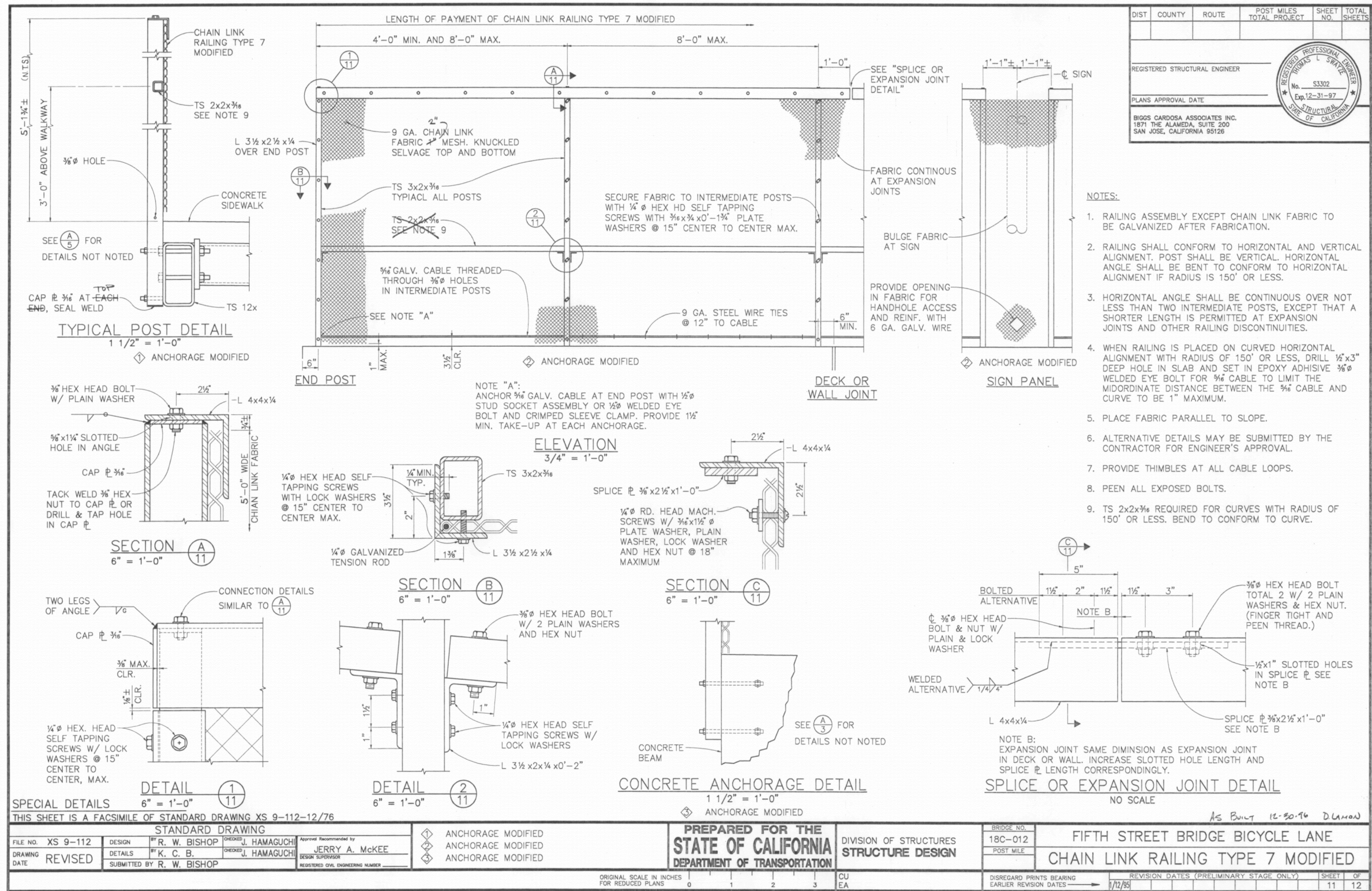
VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING, ADJUST SCALES FOR REDUCED PLOTS  
 0" = 1"

DRAWING NO. SHEET  
**C-305 15**









DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED STRUCTURAL ENGINEER  
 THOMAS L. SWITZER  
 No. 53302  
 Exp. 12-31-97  
 PROFESSIONAL SEAL OF CALIFORNIA

PLANS APPROVAL DATE

BIGGS CARDOSA ASSOCIATES INC.  
 1871 THE ALAMEDA, SUITE 200  
 SAN JOSE, CALIFORNIA 95126

THIS SHEET IS A FACSIMILE OF STANDARD DRAWING XS 9-112-12/76

FILE NO. XS 9-112	DESIGN BY R. W. BISHOP	CHECKED BY J. HAMAGUCHI	APPROVED BY JERRY A. MCKEE	BRIDGE NO. 18C-012	FIFTH STREET BRIDGE BICYCLE LANE
DRAWING DATE REVISED	DETAILS BY K. C. B.	CHECKED BY J. HAMAGUCHI	DESIGN SUPERVISOR	POST MILE	CHAIN LINK RAILING TYPE 7 MODIFIED
SUBMITTED BY R. W. BISHOP			REGISTERED CIVIL ENGINEERING NUMBER	DISREGARD PRINTS BEARING EARLIER REVISION DATES	

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3

CU EA

REVISION DATES (PRELIMINARY STAGE ONLY): 1/12/95

SHEET 11 OF 12

(93581511) 93058.1

912-0058455-HDR-Sutter\_Butte\_FCA\FRM\_1010\Civil\Gap Closure Plans\5th Street\AC\_307\_DTL-07\_FRM\_5TH\_CAP.dwg 5/17/2017 10:50 AM Peter Blum

DESIGNED BY: P. BLUM, E. EYSTER	DRAWN BY: J. PRIEST	CHECKED BY: J. CHAPMAN	IN CHARGE: J. KORS	DATE: 11/30/2016	
REV.	DATE	BY	CHK.	APPR.	DESCRIPTION
1	5/16/17	PB	CC	JK	RECORD DRAWING

**WOOD RODGERS**  
 DEVELOPING • INNOVATIVE • DESIGN • SOLUTIONS  
 3301 C STREET, BLDG. 105B, SACRAMENTO, CA 95816  
 PHONE: (916) 344-7760 FAX: (916) 344-7767

REGISTERED PROFESSIONAL ENGINEER  
 No. C79451  
 Exp. 03-31-18  
 State of California

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

**SUTTER BUTTE FLOOD CONTROL AGENCY**

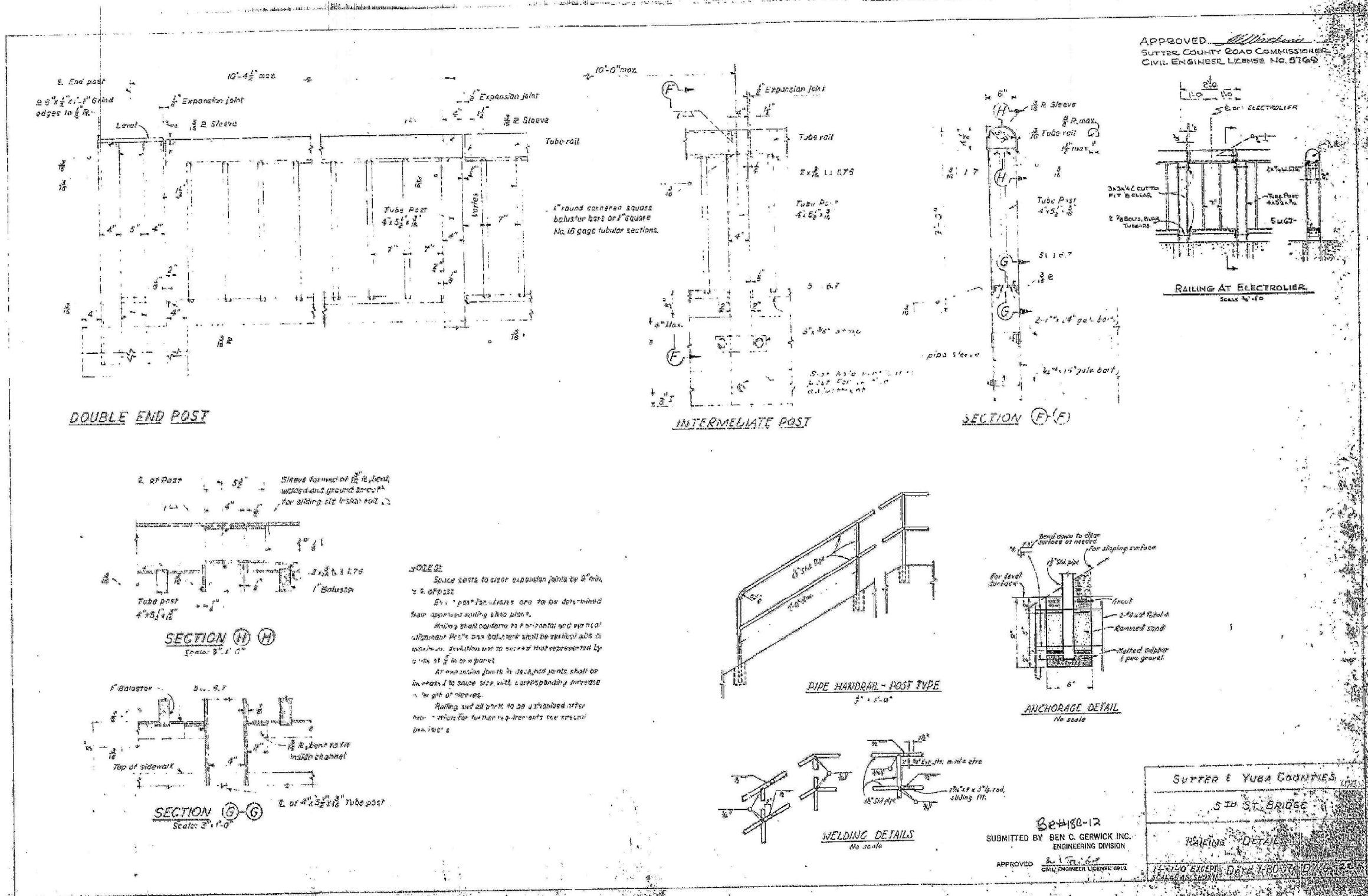
**FEATHER RIVER WEST LEVEE PROJECT**  
**5TH STREET BRIDGE GAP CLOSURE**

**AS-BUILT: 5TH ST BRIDGE - CHAIN LINK TYPE 7 MODIFIED**

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

DRAWING NO. **C-307** SHEET **17**





912... 308-DTL-08-FRML-5TH-CAP.dwg 5/17/2017 10:51 AM Peter Blum

REV.	DATE	BY	CHK.	APPR.	DESCRIPTION
1	5/16/17	PB	CC	JK	RECORD DRAWING

DESIGNED BY:  
 P. BLUM, E. EYSTER  
 DRAWN BY:  
 J. PRIEST  
 CHECKED BY:  
 J. CHAPMAN  
 IN CHARGE:  
 J. KORS  
 DATE:  
 11/30/2016

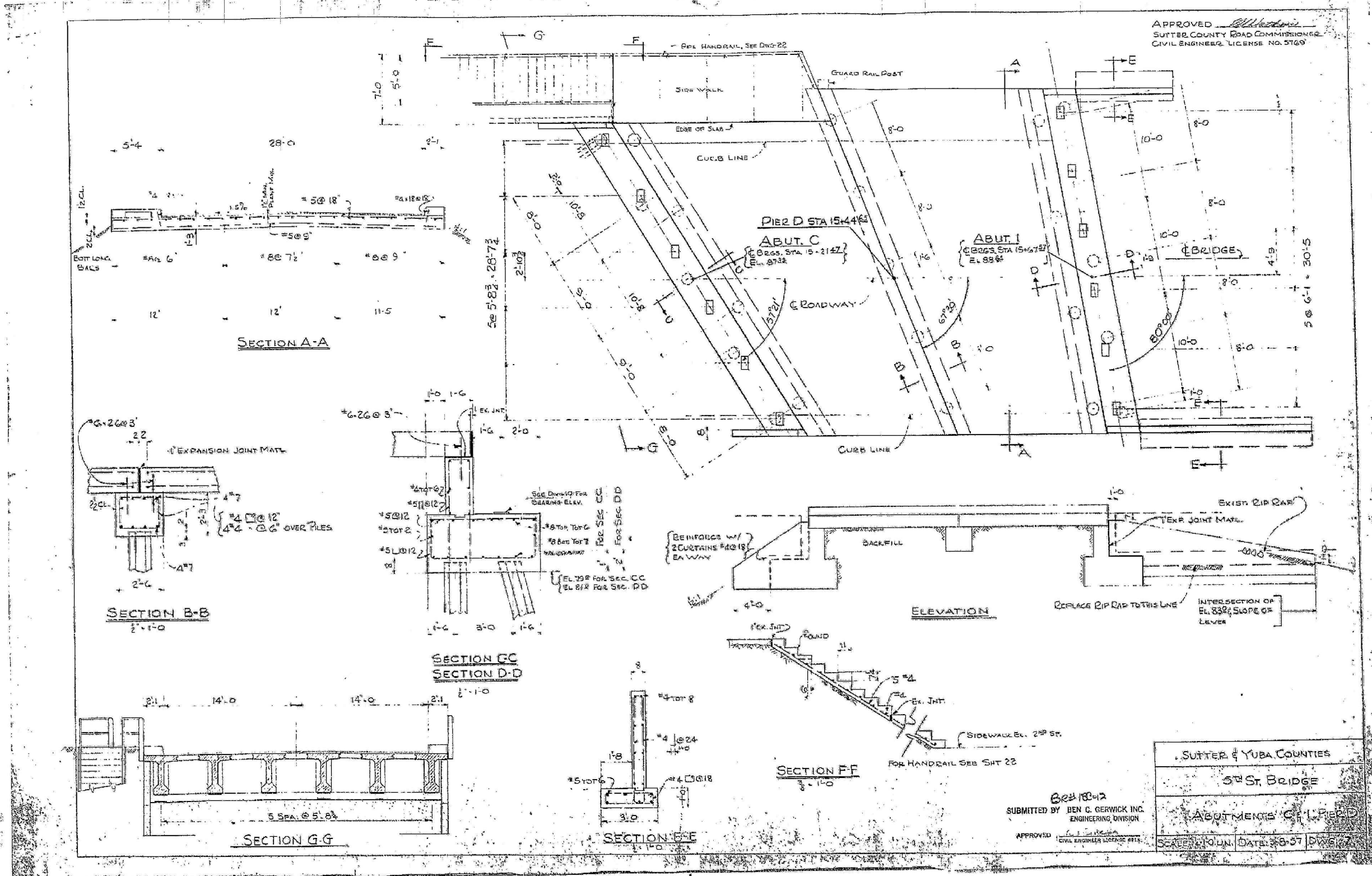


**WOOD RODGERS**  
 DEVELOPING • INNOVATIVE • DESIGN • SOLUTIONS  
 3301 C STREET, BLDG. 105B, SACRAMENTO, CA 95816  
 PHONE: (916) 344-7760 FAX: (916) 344-7767

**SUTTER BUTTE FLOOD CONTROL AGENCY**  
**FEATHER RIVER WEST LEVEE PROJECT**  
**5TH STREET BRIDGE GAP CLOSURE**  
**AS-BUILT: 5TH ST BRIDGE - RAILING DETAILS**

VERIFY SCALES  
 BAR IS ONE INCH ON  
 ORIGINAL DRAWING, ADJUST  
 SCALES FOR REDUCED PLOTS  
 0" = 1"  
 DRAWING NO. SHEET  
**C-308 18**





912 2015\05\05\_HDR\_Sutter\_Butte\_FCA\FRM\_1010\Civil\Gap Closure Plans\5th Street\AC\_309\_DTL-09\_FRM\_5TH\_GAP.dwg 5/17/2017 10:51 AM Peter Blum

REV.	DATE	BY	CHK.	APPR.	DESCRIPTION
1	5/16/17	PB	CC	JK	RECORD DRAWING

DESIGNED BY:  
 P. BLUM, E. EYSTER  
 DRAWN BY:  
 J. PRIEST  
 CHECKED BY:  
 J. CHAPMAN  
 IN CHARGE:  
 J. KORS  
 DATE:  
 11/30/2016

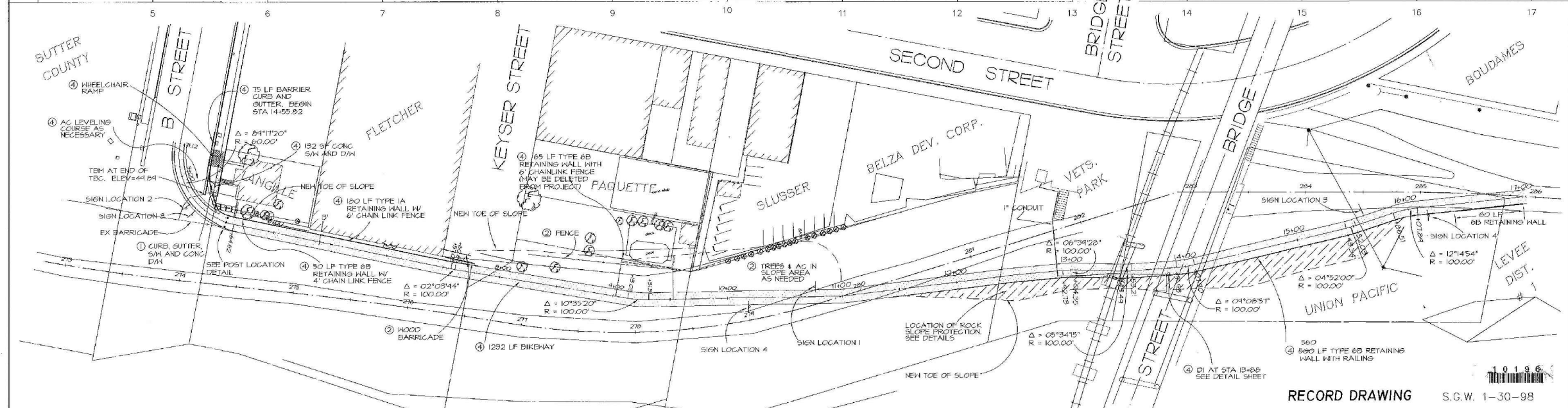
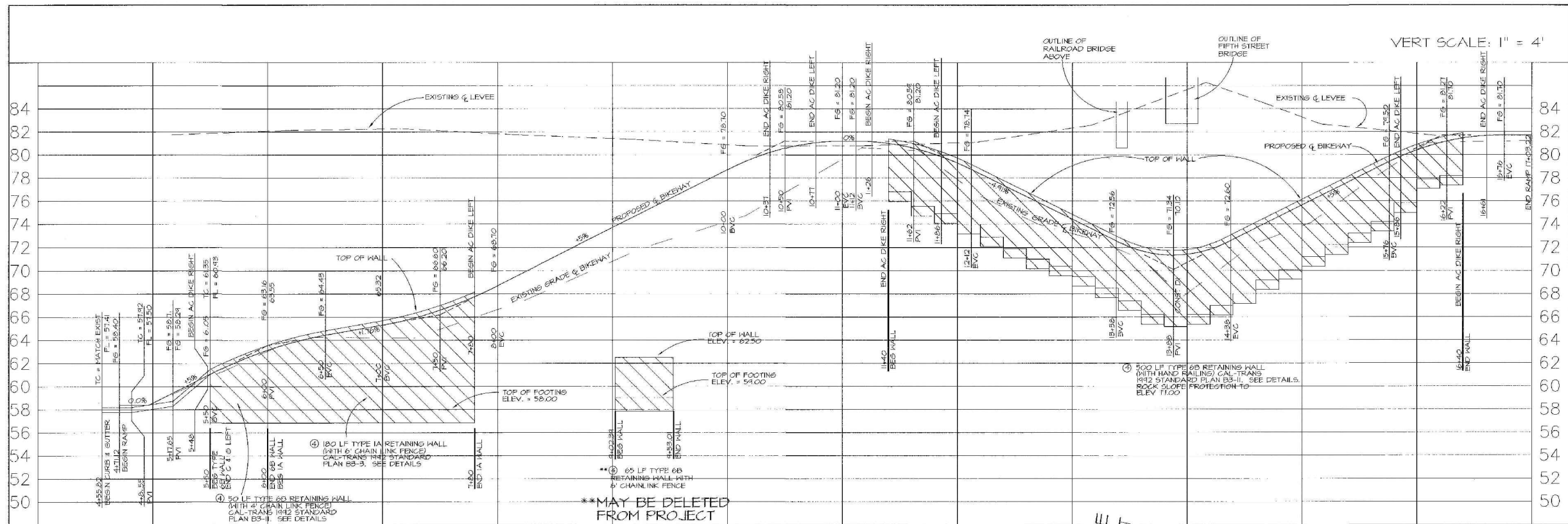


**WOOD RODGERS**  
 DEVELOPING • INNOVATIVE • DESIGN • SOLUTIONS  
 3301 C STREET, BLDG. 105B, SACRAMENTO, CA 95816  
 PHONE: (916) 344-7760 FAX: (916) 344-7767

**SUTTER BUTTE FLOOD CONTROL AGENCY**  
**FEATHER RIVER WEST LEVEE PROJECT**  
**5TH STREET BRIDGE GAP CLOSURE**  
**AS-BUILT: 5TH ST BRIDGE - ABUTMENT C & I, PIER D**

VERIFY SCALES  
 BAR IS ONE INCH ON  
 ORIGINAL DRAWING, ADJUST  
 SCALES FOR REDUCED PLOTS  
 0" = 1"  
 DRAWING NO. SHEET  
**C-309 19**





RECORD DRAWING S.C.W. 1-30-98

**CITY of YUBA CITY**  
 YUBA CITY BIKEWAY PROJECT  
 B STREET RAMP

SUBMITTED BY:	DESIGN BY:	DRAWING NO.:
APPROVED:	DRAWN BY:	4174-D
CITY ENGINEER:	CHECKED BY:	SHEET: 2
REGISTERED CIVIL ENGINEER No. 21203	JOB:	OF 26 SHEETS

1" = 40'

**NOTE**  
 ELEVATIONS SHOWN MUST BE VERIFIED IN THE FIELD. CITY TAKES NO RESPONSIBILITY FOR ACCURACY OF DATA SHOWN ON THESE PLANS.



J:\05\8455\_HDR\_Sutter\_Butte\_FCA\FRM\_1010\Civil\Proj\_Closure Plans\5th Street\AC\_310\_DTL-10\_FRWL\_5TH\_5TH\_GAP.dwg 5/17/2017 10:51 AM Peter Blum

REV.	DATE	BY	CHK.	APPR.	DESCRIPTION
1	5/16/17	PB	CC	JK	RECORD DRAWING

DESIGNED BY:  
P. BLUM, E. EYSTER

DRAWN BY:  
J. PRIEST

CHECKED BY:  
J. CHAPMAN

IN CHARGE:  
J. KORS

DATE:  
11/30/2016



**WOOD RODGERS**  
 DEVELOPING • INNOVATIVE • DESIGN • SOLUTIONS  
 3301 C STREET, BLDG. 105B, SACRAMENTO, CA 95816  
 PHONE: (916) 341-7760 FAX: (916) 341-7767

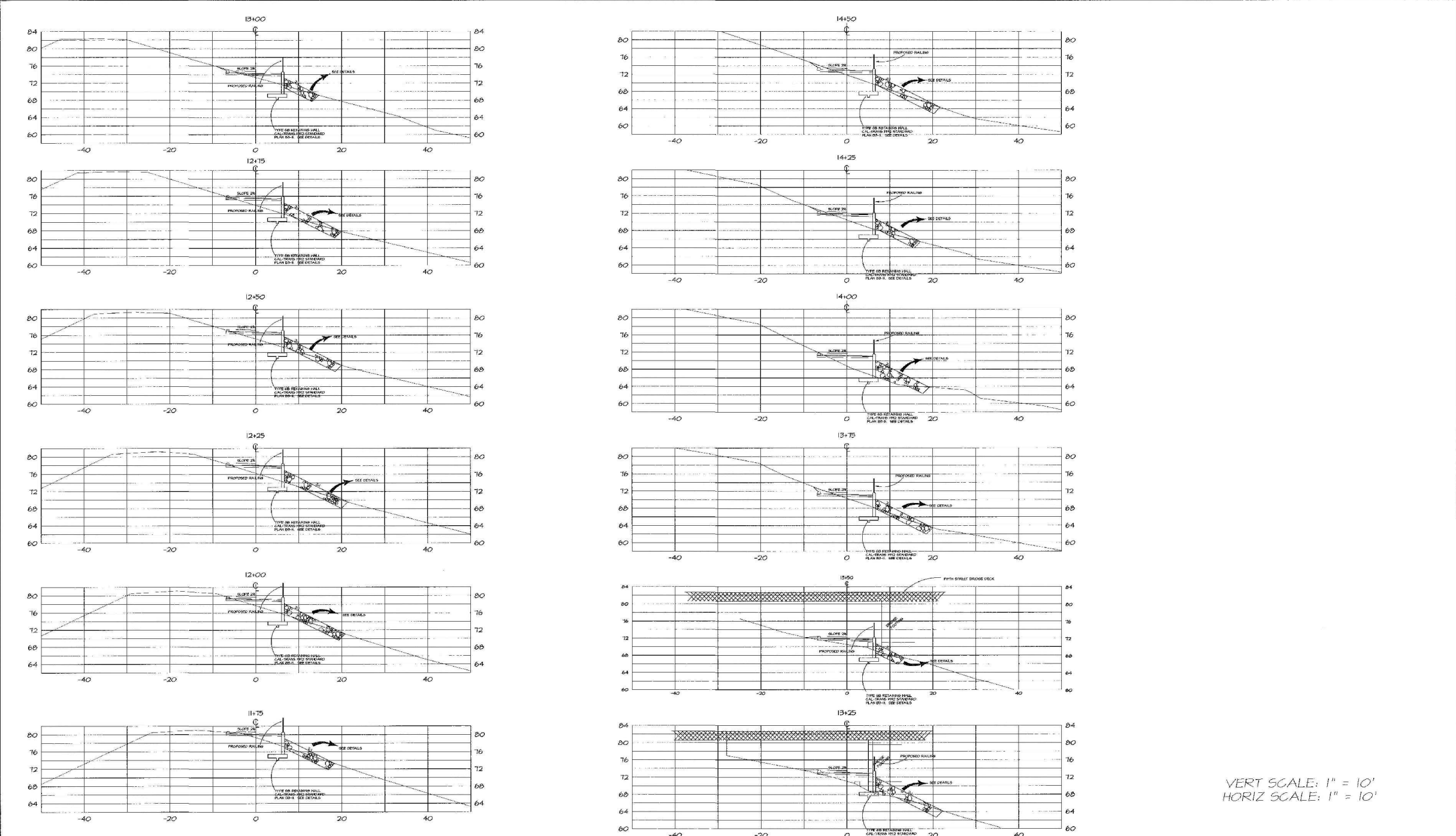
**SUTTER BUTTE FLOOD CONTROL AGENCY**

**FEATHER RIVER WEST LEVEE PROJECT**  
**5TH STREET BRIDGE GAP CLOSURE**  
**AS-BUILT: BIKE PATH - B STREET RAMP**

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

DRAWING NO. SHEET  
**C-310 20**





C:\WORK\1010\Civil\Drawings\Closure Plans\5th Street\C\_311\_DTL-11\_FRWL\_5TH\_GAP.dwg 5/17/2017 10:51 AM Peter Blum

RECORD DRAWING S.G.W. 2-2-97

**CITY of YUBA CITY**

YUBA CITY BIKEWAY PROJECT

**SECTIONS B STREET RAMP**

SUBMITTED BY:	DESIGN BY:	4174-D
APPROVED: <i>Joseph A. ...</i>	DRAWN BY:	SHEET 7
CITY ENGINEER	CHECKED BY:	OF 13 SHEETS
REGISTERED CIVIL ENGINEER No. 21233	JOB	

**NOTE**  
ELEVATIONS SHOWN MUST BE VERIFIED IN THE FIELD. CITY TAKES NO RESPONSIBILITY FOR ACCURACY OF DATA SHOWN ON THESE PLANS.



REV.	DATE	BY	CHK.	APPR.	DESCRIPTION
1	5/16/17	PB	CC	JK	RECORD DRAWING

DESIGNED BY:  
P. BLUM, E. EYSTER

DRAWN BY:  
J. PRIEST

CHECKED BY:  
J. CHAPMAN

IN CHARGE:  
J. KORS

DATE:  
11/30/2016



**WOOD RODGERS**

DEVELOPING • INNOVATIVE • DESIGN • SOLUTIONS

3301 C STREET, BLDG. 100B, SACRAMENTO, CA 95816  
PHONE: (916) 344-7760 FAX: (916) 344-7767

SUBMITTED

APPROVED

**SUTTER BUTTE FLOOD CONTROL AGENCY**

**FEATHER RIVER WEST LEVEE PROJECT**

**5TH STREET BRIDGE GAP CLOSURE**

**AS-BUILT: BIKE PATH - CROSS SECTIONS (1 OF 2)**

**VERIFY SCALES**  
BAR IS ONE INCH ON ORIGINAL DRAWING, ADJUST SCALES FOR REDUCED PLOTS

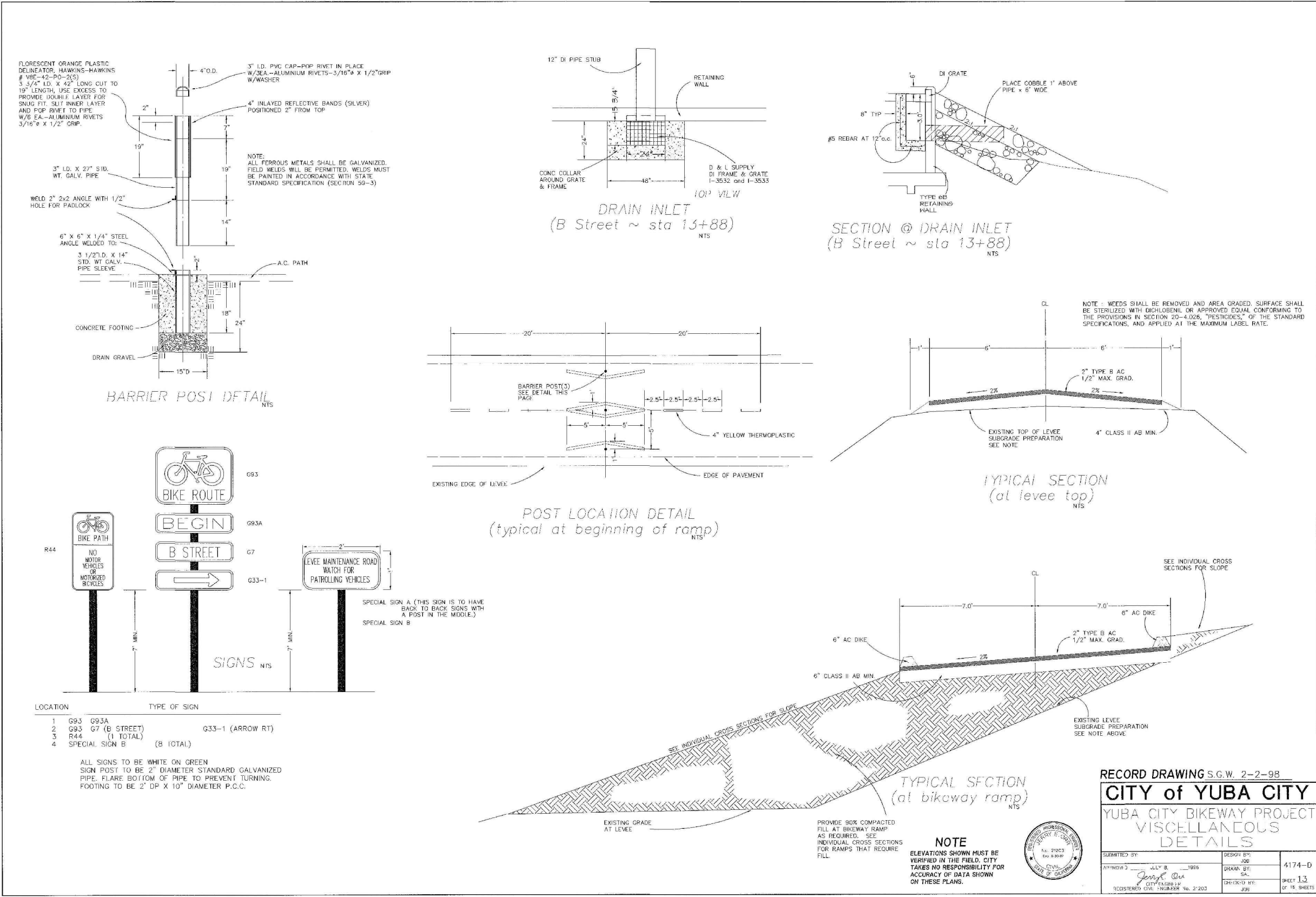
0" = 1"

DRAWING NO. SHEET  
**C-311 21**









C:\S050\shelton\shelton\146\146172.dwg Mac 1:16 11:12:05 05/16/98

912\bos\8455\_HDR\_Sutter\_Butte\_FCA\FRM\_1010\Civil\Gap Closure Plans\5th Street\AC\_313\_DTL-13\_FRM\_5TH\_GAP.dwg 5/17/2017 10:51 AM Peter Blum

DESIGNED BY:  
P. BLUM, E. EYSTER  
 DRAWN BY:  
J. PRIEST  
 CHECKED BY:  
J. CHAPMAN  
 IN CHARGE:  
J. KORS  
 DATE:  
11/30/2016



**WOOD RODGERS**  
 DEVELOPING • INNOVATIVE • DESIGN • SOLUTIONS  
 3301 C STREET, BLDG. 105B, SACRAMENTO, CA 95816  
 PHONE: (916) 344-7760 FAX: (916) 344-7767

**SUTTER BUTTE FLOOD CONTROL AGENCY**  
**FEATHER RIVER WEST LEVEE PROJECT**  
**5TH STREET BRIDGE GAP CLOSURE**  
**AS-BUILT: BIKE PATH - MISCELLANEOUS DETAILS**

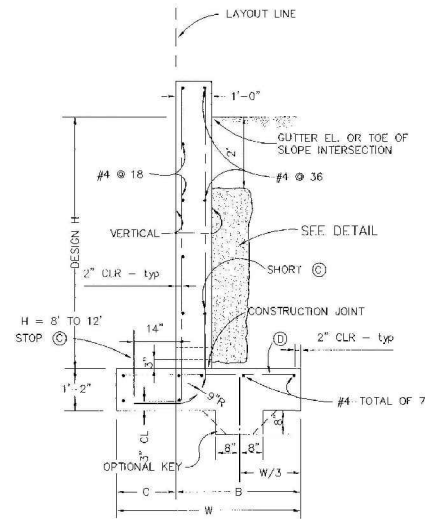
VERIFY SCALES  
 BAR IS ONE INCH ON ORIGINAL DRAWING, ADJUST SCALES FOR REDUCED PLOTS  
 0" = 1"  
 DRAWING NO. SHEET  
**C-313 23**

RECORD DRAWING S.G.W. 2-2-98  
**CITY of YUBA CITY**  
 YUBA CITY BIKEWAY PROJECT  
 MISCELLANEOUS DETAILS

SUBMITTED BY:	DESIGN BY:	JOB:
APPROVED BY:	DRAWN BY:	4174-D
CITY ENGINEER:	CHECKED BY:	SHEET 13
REGISTERED CIVIL ENGINEER No. 21203	JOB:	OF 15 SHEETS

**NOTE**  
 ELEVATIONS SHOWN MUST BE VERIFIED IN THE FIELD. CITY TAKES NO RESPONSIBILITY FOR ACCURACY OF DATA SHOWN ON THESE PLANS.

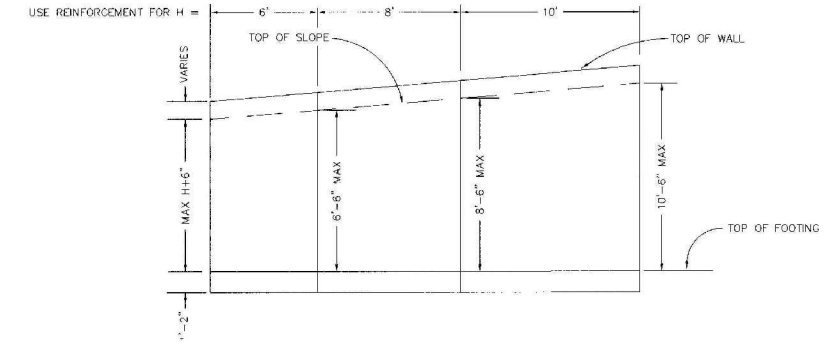




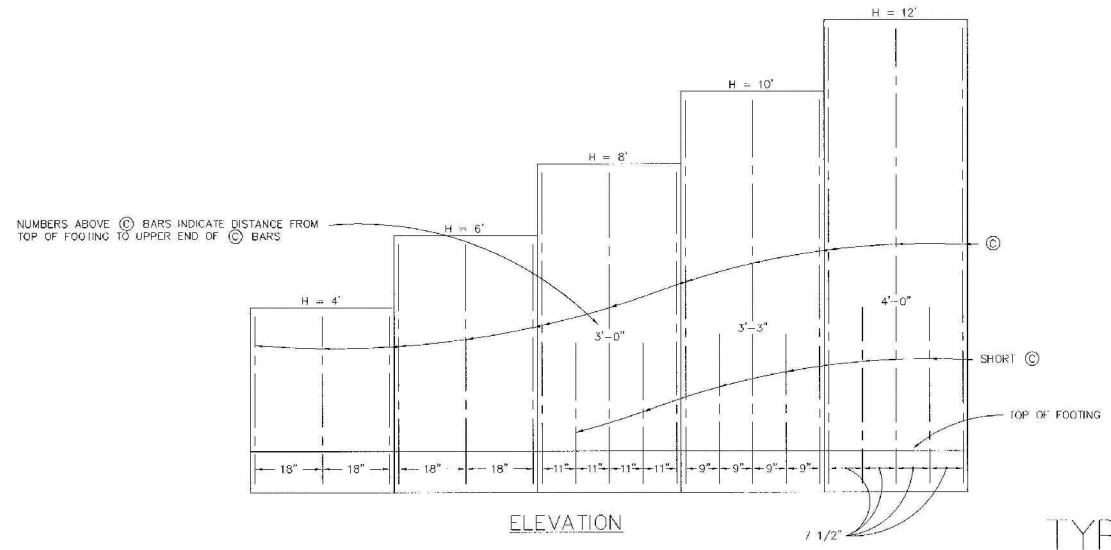
**TYPE 1A SECTION**  
PLACE CONCRETE IN TOE AGAINST UNDISTURBED MATERIAL, EXCEPT AS PERMITTED BY THE ENGINEER.

TABLE OF REINFORCING STEEL DIMENSIONS AND DATA						
DESIGN H	4'	6'	8'	10'	12'	
W	3'-2"	4'-2"	5'-2"	6'-2"	7'-2"	
C	1'-0"	1'-4"	1'-8"	2'-0"	2'-4"	
B	2'-2"	2'-10"	3'-6"	4'-2"	4'-10"	
(C) BARS	#5 @ 18"	#5 @ 18"	#5 @ 11"	#6 @ 9"	#7 @ 7 1/2"	
(D) BARS	#5 @ 18"	#5 @ 18"	#5 @ 22"	#7 @ 18"	#8 @ 15"	
TOTAL (C) BARS	6 - #5	6 - #5	6 - #5	10 - #7	10 - #7	
TOTAL (D) BARS				4 - #7	4 - #7	
SPREAD	STEEL lbs/ft	17	23	27	46	70
FOOTING	CONCRETE cf/ft	8.6	11.8	14.9	18.1	21.3

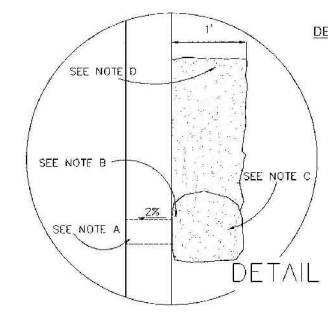
**NOTES for TYPE 1A WALL**  
DESIGN CONDITIONS  
DESIGN H MAY BE EXCEEDED BY 6" BEFORE GOING TO THE NEXT SIZE.  
FOOTING KEY IS REQUIRED EXCEPT WHEN FOUND UNNECESSARY BY THE ENGINEER. SPECIAL FOOTING DESIGN IS REQUIRED WHERE FOUNDATION MATERIAL IS INCAPABLE OF SUPPORTING TOE PRESSURE LOADS LISTED IN TABLE.



**TYPICAL LAYOUT EXAMPLE**  
FOR JOINTS REQUIRED, SEE STANDARD DETAILS (B0-3) & (B0-3)



**ELEVATION** 1/2" **TYPE 1A RETAINING WALL**



**DETAIL NOTES:**  
A. 4"x8" DRAINS @ 25' MAX ON CENTER. WALL DRAINS TO BE LOCATED 3"± ABOVE FINISHED GRADE.  
B. 6" SQUARE ALUMINUM OR GALVANIZED STEEL WIRE 1/4" MESH HARDWARE CLOTH (MIN WIRE DIAMETER 0.025"). ANCHOR FIRMLY TO BACKFACE.  
C. ONE CUBIC FOOT PERVIOUS BACKFILL MATERIAL IN A BURDAP-SACK, SECURELY TIED.  
D. PERVIOUS BACKFILL MATERIAL CONTINUOUS BEHIND RETAINING WALL.  
MIRADRAIN 6000 USED INSTEAD OF PERVIOUS BACKFILL.

**NOTE**  
ELEVATIONS SHOWN MUST BE VERIFIED IN THE FIELD. CITY TAKES NO RESPONSIBILITY FOR ACCURACY OF DATA SHOWN ON THESE PLANS.



RECORD DRAWING S.G.W. 2-2-98

**CITY of YUBA CITY**

YUBA CITY BIKEWAY PROJECT  
TYPE 1A  
RETAINING WALL DETAILS

SUBMITTED BY:	DESIGN BY:	JOB NO:	4174-D
APPROVED:	DRAWN BY:	DATE:	1998
George A. Priest	o/s/SAL	CHECKED BY:	14
CITY ENGINEER		DATE:	09-16-04/ET
REGISTERED CIVIL ENGINEER No. 21203			

C:\Users\blum\OneDrive\Documents\2010\Civil\Drawings\Gap Closure Plans\5th Street\AC\_314\_DTL-1A\_FRWL\_5TH\_GAP.dwg 5/17/2017 10:51 AM Peter Blum

C:\Users\blum\OneDrive\Documents\2010\Civil\Drawings\Gap Closure Plans\5th Street\AC\_314\_DTL-1A\_FRWL\_5TH\_GAP.dwg 5/17/2017 10:51 AM Peter Blum

REV.	DATE	BY	CHK.	APPR.	DESCRIPTION
1	5/16/17	PB	CC	JK	RECORD DRAWING

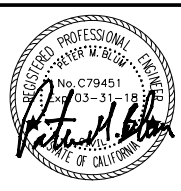
**DESIGNED BY:**  
P. BLUM, E. EYSTER

**DRAWN BY:**  
J. PRIEST

**CHECKED BY:**  
J. CHAPMAN

**IN CHARGE:**  
J. KORS

**DATE:**  
11/30/2016



**WOOD RODGERS**  
DEVELOPING • INNOVATIVE • DESIGN • SOLUTIONS  
3301 C STREET, BLDG. 105B, SACRAMENTO, CA 95816  
PHONE: (916) 344-7760 FAX: (916) 344-7767

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

**SUTTER BUTTE FLOOD CONTROL AGENCY**

**FEATHER RIVER WEST LEVEE PROJECT**  
**5TH STREET BRIDGE GAP CLOSURE**

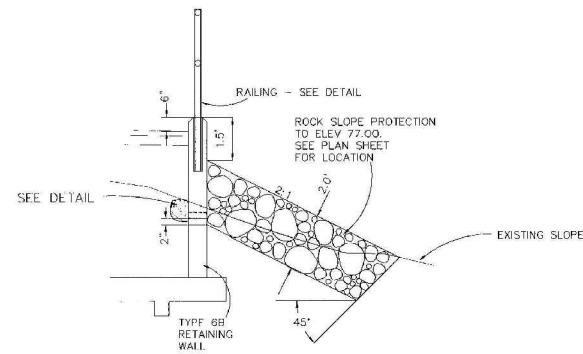
**AS-BUILT: BIKE PATH - TYPE 1A RETAINING WALL**

**VERIFY SCALES**  
BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALES FOR REDUCED PLOTS

0" = 1"

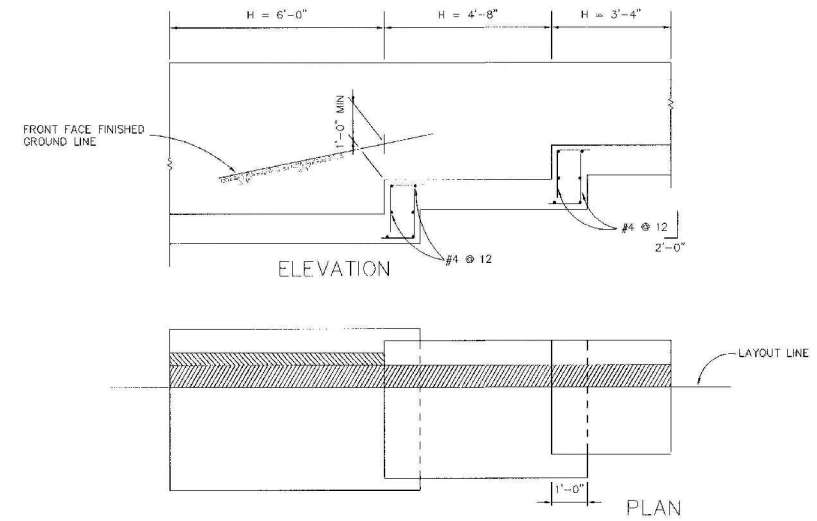
DRAWING NO. SHEET  
**C-314 24**



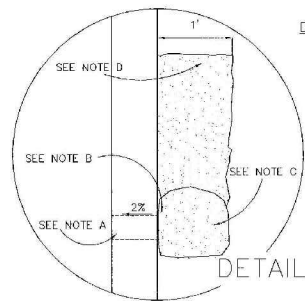


TYPE 6B WALL  
ALONG WATER SLOPE OF LEVEE

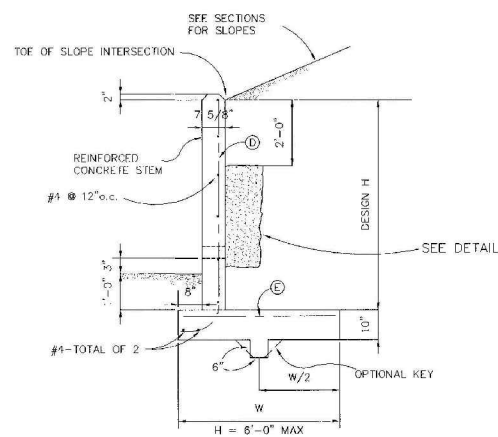
TYPE	DESIGN H	3'-4"	4'-0"	4'-8"	5'-4"	6'-0"
6B	W	2'-8"	3'-0"	3'-4"	3'-8"	4'-0"
6B	(A)				#4 @ 18	#4 @ 16
6B	(B)				#4 @ 16	#5 @ 16
6B	(C)	#4 @ 16	#4 @ 16	#5 @ 16		
6B	(D)	#4 @ 16	#4 @ 16	#5 @ 16	#5 @ 16	#4 @ 8
6B	(E)	#4 @ 16	#4 @ 16	#4 @ 16	#4 @ 16	#5 @ 16
FOOTING CONC. CUL. / LF		2.5	2.8	3.0	3.3	3.6
REINF. CONC. STEM		6.6	7.7	9.8	13.7	16.7



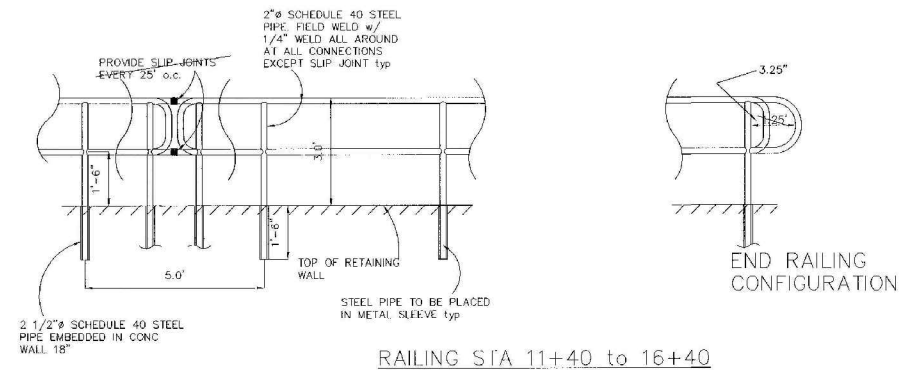
FOOTING STEP DETAILS



DETAIL NOTES:  
 A. 4" DRAINS @ 25' MAX ON CENTER. WALL DRAINS TO BE LOCATED 3"± ABOVE FINISHED GRADE.  
 B. 6" SQUARE ALUMINUM OR GALVANIZED STEEL WIRE 1/4" MESH HARDWARE CLOTH. (MIN WIRE DIAMETER 0.025"). ANCHOR FIRMLY TO BACKFACE.  
 C. ONE CUBIC FOOT PERVIOUS BACKFILL MATERIAL IN A BURLAP SACK, SECURELY TIED.  
 D. PERVIOUS BACKFILL MATERIAL CONTINUOUS BEHIND RETAINING WALL.



TYPE 6B WALL  
ALONG LAND TOE OF LEVEE



RAILING S/A 11+40 to 16+40

NOTE:  
 PREP THE METAL RAILING, PRIME IT WITH A RUST PROOF PRIMER, THEN PAINT RAILING WITH A BLACK ACRYLIC PAINT.

NOTE  
 ELEVATIONS SHOWN MUST BE VERIFIED IN THE FIELD. CITY TAKES NO RESPONSIBILITY FOR ACCURACY OF DATA SHOWN ON THESE PLANS.



RECORD DRAWING S.G.W. 2-2-98

**CITY of YUBA CITY**  
 YUBA CITY BIKEWAY PROJECT  
 TYPE 6B  
 RETAINING WALL DETAILS

SUBMITTED BY:	DESIGN BY:	JGD	4174-D
APPROVED: JULY 8, 1998	DRAWN BY:	AK/SAL	SHEET 15
Jeffrey E. Dyer CITY ENGINEER REGISTERED CIVIL ENGINEER No. 21204	CHECKED BY:	JGD	OF 18-9-1115

S:\05\8455\_HDR\_Sutter\_Butte\_FCA\FRM\_1010\Civil\Gap Closure Plans\5th Street\C\_315\_DTL-15\_FRWL\_5TH\_GAP.dwg 5/17/2017 10:51 AM Peter Blum

S:\05\8455\_HDR\_Sutter\_Butte\_FCA\FRM\_1010\Civil\Gap Closure Plans\5th Street\C\_315\_DTL-15\_FRWL\_5TH\_GAP.dwg 5/17/2017 10:51 AM Peter Blum

REV.	DATE	BY	CHK.	APPR.	DESCRIPTION
1	5/16/17	PB	CC	JK	RECORD DRAWING

DESIGNED BY:  
P. BLUM, E. EYSTER  
 DRAWN BY:  
J. PRIEST  
 CHECKED BY:  
J. CHAPMAN  
 IN CHARGE:  
J. KORS  
 DATE:  
11/30/2016



**WOOD RODGERS**  
 DEVELOPING • INNOVATIVE • DESIGN • SOLUTIONS  
 3301 C STREET, BLDG. 105B, SACRAMENTO, CA 95816  
 PHONE: (916) 344-7760 FAX: (916) 344-7767

**SUTTER BUTTE FLOOD CONTROL AGENCY**  
**FEATHER RIVER WEST LEVEE PROJECT**  
**5TH STREET BRIDGE GAP CLOSURE**  
**AS-BUILT: BIKE PATH - TYPE 6B RETAINING WALL**

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

DRAWING NO.	SHEET
C-315	25

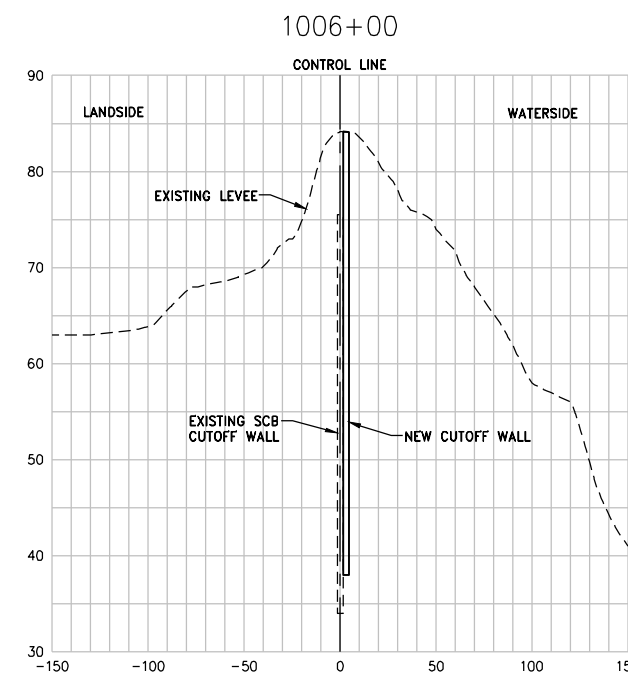
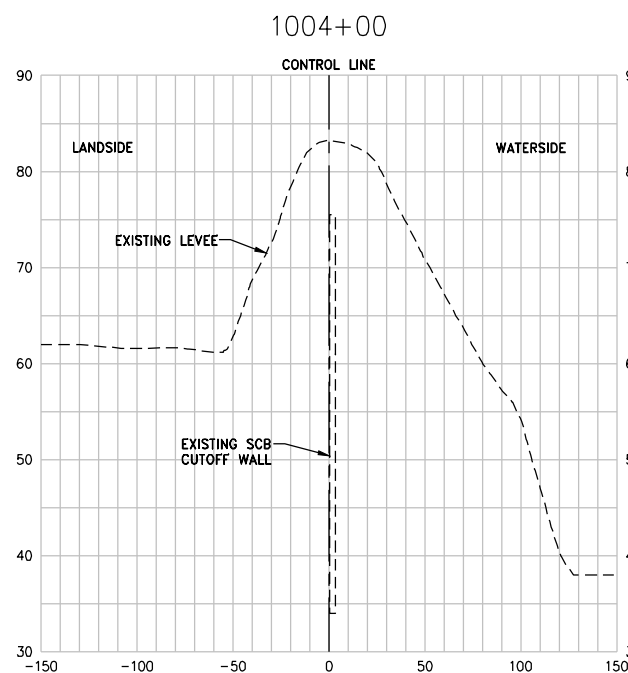
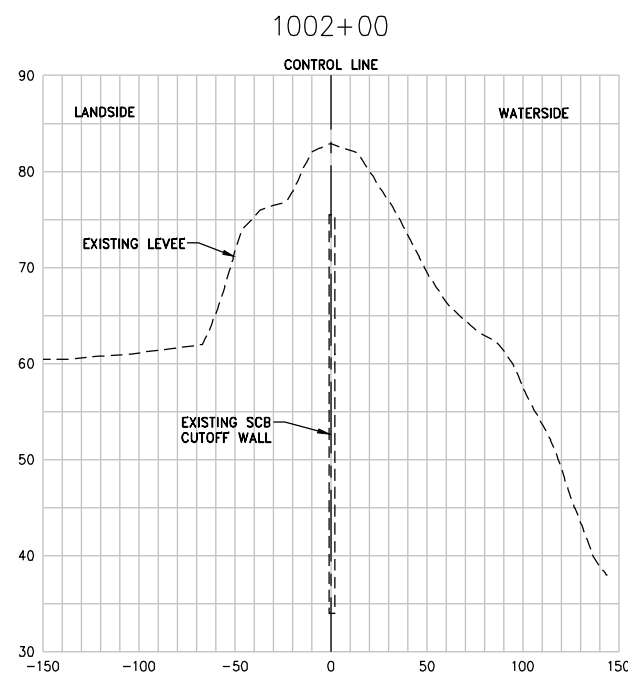
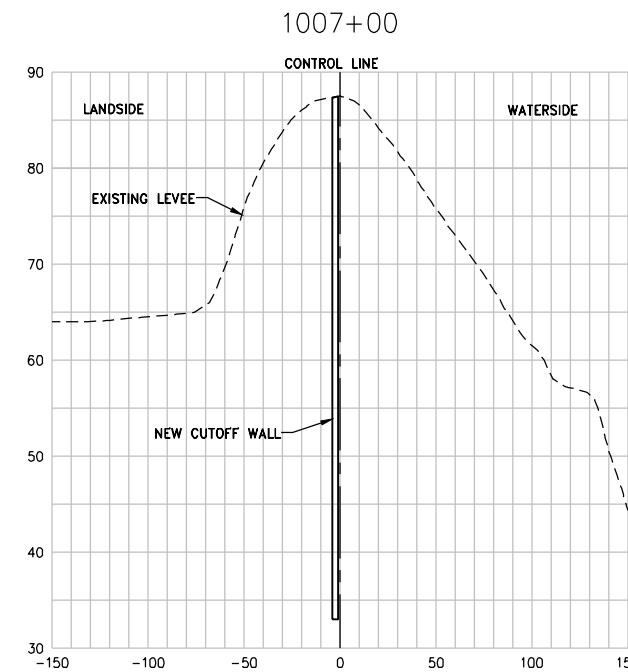
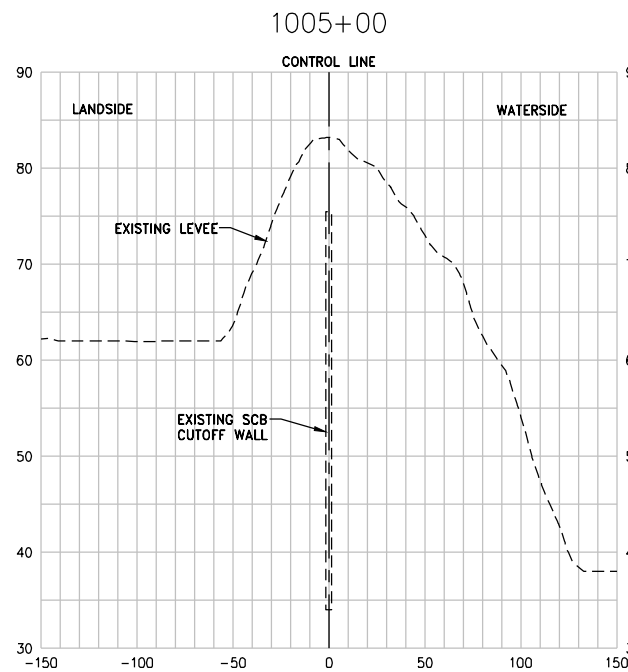
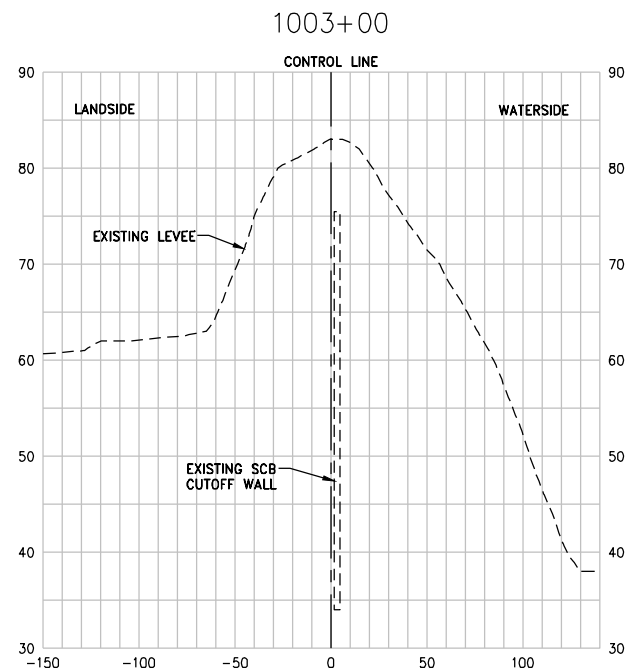




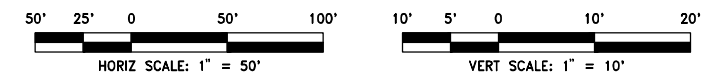








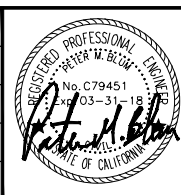
**NOTE:**  
 1. FOR BOTTOM OF CUTOFF WALL ELEVATION SEE CUTOFF WALL PROFILE DWG C-401.  
 2. FOR EXCAVATION LIMITS AND DETAILS SEE TYPICAL SECTION DWGS C-301 TO C-302.



J:\web\Bates\_HDR\_Sutter\_Butte\_FCA\FINAL\_1010\Civil\Draw\Gap Closure Plans\5th Street\C-601\_XSEC-01\_5TH\_SCB.dwg 5/17/2017 10:52 AM Peter Blum

REV.	DATE	BY	CHK.	APPR.	DESCRIPTION
1	5/16/17	PB	CC	JK	RECORD DRAWING

**DESIGNED BY:**  
 P. BLUM, E. EYSTER  
**DRAWN BY:**  
 J. PRIEST  
**CHECKED BY:**  
 J. CHAPMAN  
**IN CHARGE:**  
 J. KORS  
**DATE:**  
 11/30/2016



**WOOD RODGERS**  
 DEVELOPING • INNOVATIVE • DESIGN • SOLUTIONS  
 3301 C STREET, BLDG. 100-B, SACRAMENTO, CA 95816  
 PHONE: (916) 341-7760 FAX: (916) 341-7767

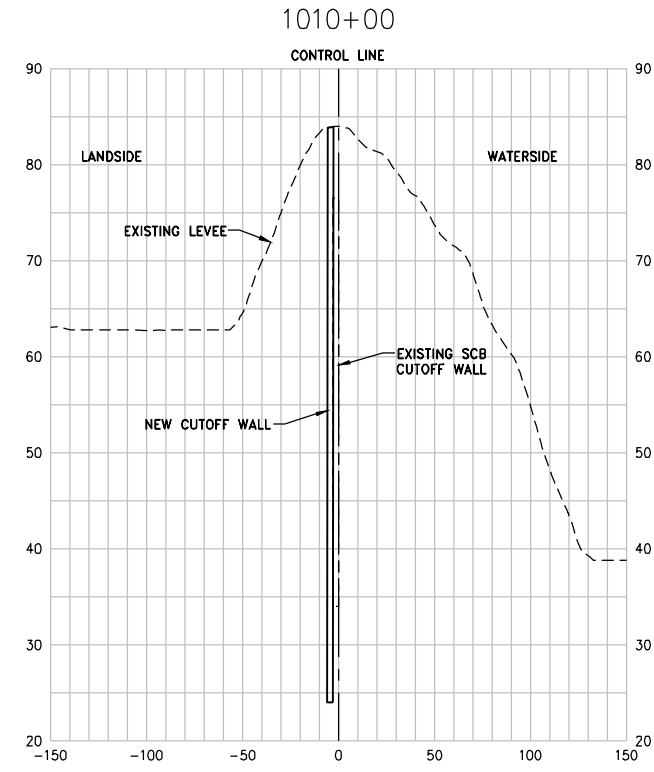
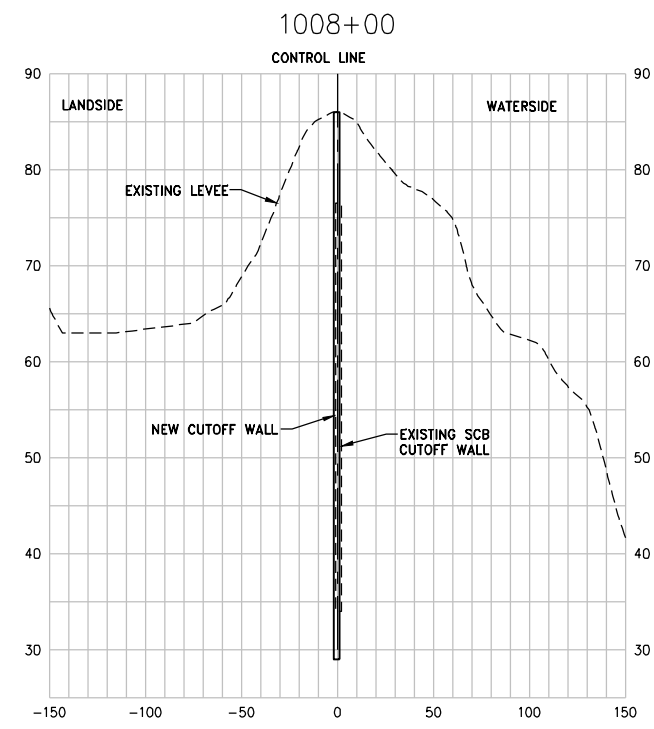
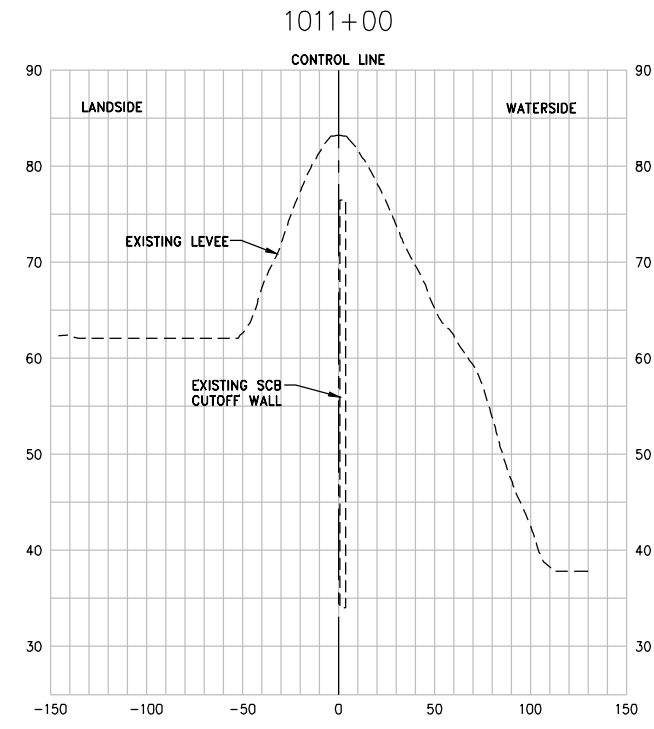
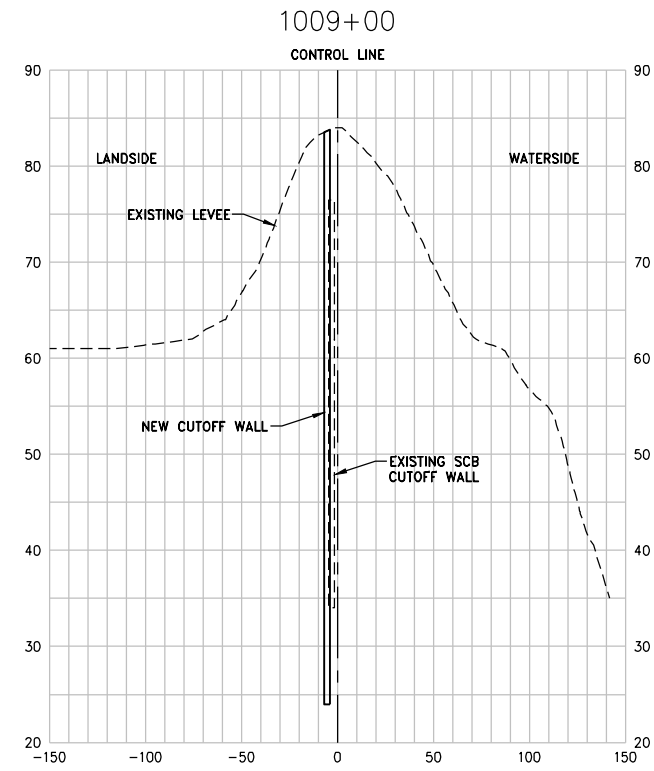
SUBMITTED \_\_\_\_\_  
 APPROVED \_\_\_\_\_

**SUTTER BUTTE FLOOD CONTROL AGENCY**  
**FEATHER RIVER WEST LEVEE PROJECT**  
**5TH STREET BRIDGE GAP CLOSURE**  
**LEVEE CROSS SECTIONS (STA 1002+00 TO 1007+00)**

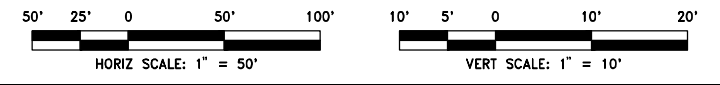
**VERIFY SCALES**  
 BAR IS ONE INCH ON ORIGINAL DRAWING, ADJUST SCALES FOR REDUCED PLOTS  
 0" = 1"

DRAWING NO. **C-601** SHEET **28**





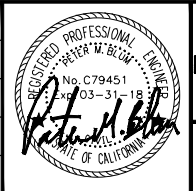
**NOTE:**  
 1. FOR BOTTOM OF CUTOFF WALL ELEVATION SEE CUTOFF WALL PROFILE DWG C-401.  
 2. FOR EXCAVATION LIMITS AND DETAILS SEE TYPICAL SECTION DWGS C-301 TO C-302.



J:\web\Bates\_HDR\_Sutter\_Butte\_FCA\FINAL\_1010\Civil\Draw\Gap Closure Plans\5th Street\C\_602\_XSEC-02\_5TH\_GAP.dwg 5/17/2017 10:52 AM Peter Blum

REV.	DATE	BY	CHK.	APPR.	DESCRIPTION
1	5/16/17	PB	CC	JK	RECORD DRAWING

**DESIGNED BY:**  
 P. BLUM, E. EYSTER  
**DRAWN BY:**  
 J. PRIEST  
**CHECKED BY:**  
 J. CHAPMAN  
**IN CHARGE:**  
 J. KORS  
**DATE:**  
 11/30/2016



**WOOD RODGERS**  
 DEVELOPING • INNOVATIVE • DESIGN • SOLUTIONS  
 3301 C STREET, BLDG. 100-B, SACRAMENTO, CA 95816  
 PHONE: (916) 341-7760 FAX: (916) 341-7767

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

**SUTTER BUTTE FLOOD CONTROL AGENCY**  
**FEATHER RIVER WEST LEVEE PROJECT**  
**5TH STREET BRIDGE GAP CLOSURE**  
**LEVEE CROSS SECTIONS (STA 1008+00 TO 1011+00)**

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

DRAWING NO. **C-602** SHEET **29**