

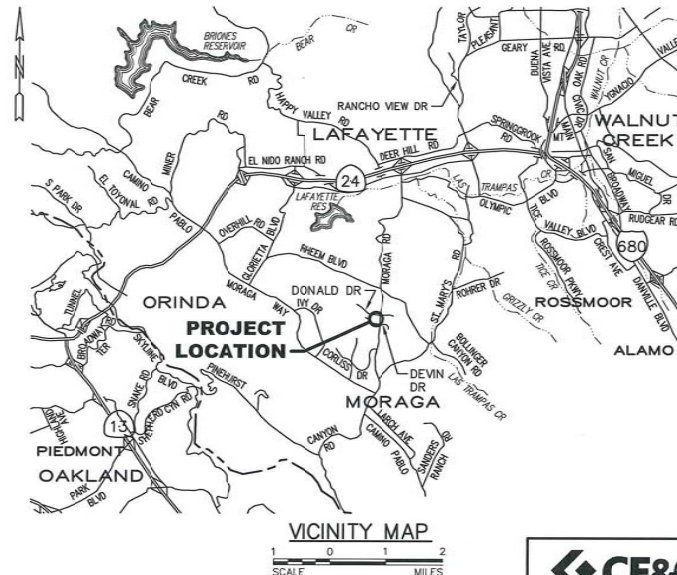


# TOWN OF MORAGA

## LAGUNA CREEK WALL REPAIR AND BANK STABILIZATION 2100 DONALD DRIVE MORAGA, CALIFORNIA

14 MAY 2013

**PROJECT NO. CIP 08-203**  
**CAL EMA ID: 013-49187, FEMA ID: 013-49187-00**



VICINITY MAP  
1 0 1 2  
SCALE MILES

### DESCRIPTION OF WORK

THE WORK SHALL CONSIST IN GENERAL OF PROVIDING ALL MATERIAL, LABOR, AND EQUIPMENT NECESSARY TO CONSTRUCT THE WINGWALL AND HEADWALL REPAIRS AND CREEK BANK STABILIZATIONS. WORK SHALL INCLUDE, BUT NOT BE LIMITED TO: MOBILIZATION, WATER POLLUTION CONTROL, TEMPORARY CREEK DIVERSION, DEWATERING, CLEARING AND GRUBBING, TREE REMOVAL, DEMOLITION AND REMOVAL, STRUCTURE EXCAVATION AND BACKFILL, EXCAVATION, CONCRETE HEADWALL AND WINGWALLS, ROCK SLOPE PROTECTION EMBANKMENTS AND CREEK BED, AND HYDRO-SEED.

### CONTRACTOR LICENSE

THE CONTRACTOR SHALL POSSESS A VALID CLASS A LICENSE AT THE TIME THE CONTRACT IS AWARDED.

### INDEX OF SHEETS

1. TITLE SHEET
2. SITE PLAN
3. UPSTREAM WALL PLAN AND SECTIONS
4. DOWNSTREAM BANK STABILIZATION PLAN
5. DOWNSTREAM BANK STABILIZATION SECTIONS
6. DETAILS

### STANDARD PLANS

THE FOLLOWING STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD PLANS, MAY 2006 EDITION, APPLY:

- A10A ACRONYMS AND ABBREVIATIONS (SHEET 1 OF 2)
- A10B ACRONYMS AND ABBREVIATIONS (SHEET 2 OF 2)
- A10C SYMBOLS (SHEET 1 OF 2)
- A10D SYMBOLS (SHEET 2 OF 2)
- A85 CHAIN LINK FENCE
- D90 PIPE CULVERT HEADWALLS, ENDWALLS AND WINGWALLS TYPES A, B, AND C



**AS-BUILT PLANS NOV-20-13**

CE&G				TOWN OF MORAGA			
CAL ENGINEERING & GEOLOGY				LAGUNA CREEK WALL REPAIR AND BANK STABILIZATION 2100 DONALD DRIVE, MORAGA, CALIFORNIA			
				TITLE SHEET			
DESIGNED C. SLOCUM	DRAWN C. SLOCUM	CHECKED C. HOCKETT	PROJECT NO. CIP 08-203	DATE 14 MAY 2013	SHEET NO. 1	OF 6	

### GENERAL NOTES

#### 1. STANDARD SPECIFICATIONS

ALL MATERIALS AND CONSTRUCTION METHODS SHALL COMPLY WITH THE REQUIREMENTS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS, MAY 2006 EDITION, UNLESS OTHERWISE NOTED ON THESE PLANS.

#### 2. PERMITS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED TOWN PERMITS. ENVIRONMENTAL PERMITS WILL BE OBTAINED BY THE TOWN.

#### 3. TRAFFIC CONTROL AND PUBLIC SAFETY

THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FENCING, FLAGGING, AND OTHER DEVICES NECESSARY FOR TRAFFIC CONTROL AND PUBLIC SAFETY. PRIOR TO START OF CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE TOWN A TRAFFIC CONTROL AND STAGING PLAN FOR APPROVAL.

#### 4. EXISTING FACILITIES

EXISTING SITE IMPROVEMENTS TO REMAIN MAY INTERFERE WITH THE WORK. THESE FACILITIES SHALL BE PROTECTED OR REMOVED AND REPLACED WITH LIKE KIND AND QUALITY AT THE CONTRACTOR'S EXPENSE.

#### 5. SITE INFORMATION

A GEOTECHNICAL REPORT PREPARED BY CAL ENGINEERING & GEOLOGY, DATED 8 MAY 2013, IS AVAILABLE FROM THE TOWN. THIS REPORT SHALL BE CONSIDERED AN INTEGRAL PART OF THE PLANS AND SPECIFICATIONS FOR THIS PROJECT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL ABOVE GROUND AND UNDERGROUND FACILITIES WHICH MAY BE AFFECTED BY HIS OPERATIONS. THE CONTRACTOR SHALL CONTACT OWNERS OF THESE FACILITIES AND SHALL PROTECT FACILITIES AND MAINTAIN SERVICE DURING CONSTRUCTION. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AT (800) 227-2600 AT LEAST TWO WORKING DAYS PRIOR TO CONSTRUCTION.

DIMENSIONS AND LIMITS OF WORK SHOWN ON THE PLANS ARE APPROXIMATE AND ARE SUBJECT TO CHANGE BASED ON CONDITIONS ENCOUNTERED. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND SITE CONDITIONS PRIOR TO THE START OF CONSTRUCTION. DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THOSE SHOWN ON THE PLANS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.

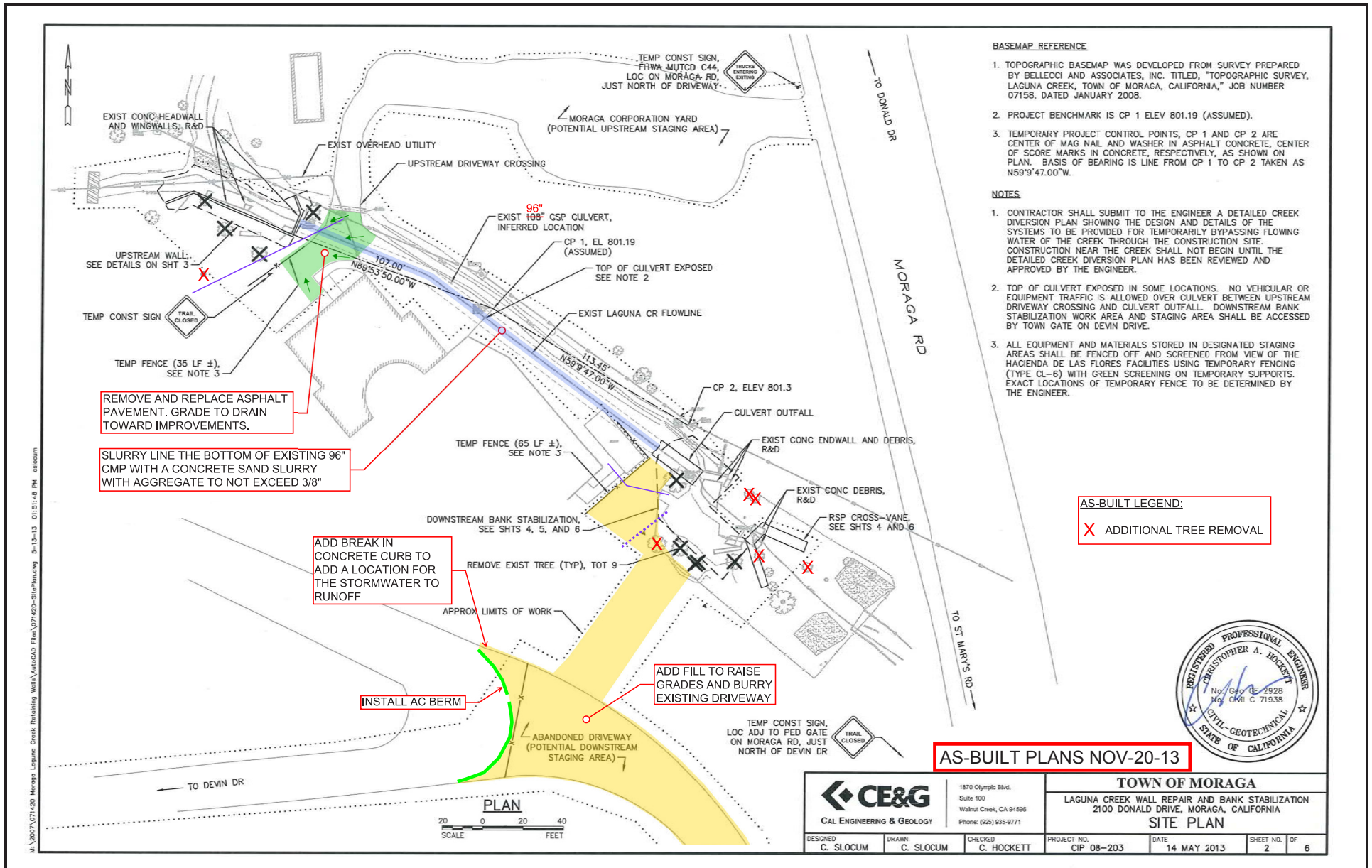
#### 6. INSPECTIONS

THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AT LEAST TWO WORKING DAYS PRIOR TO ALL REQUIRED INSPECTIONS.

## As-built Plans (Existing Condition)

Laguna Creek Restoration and Flood Protection Project  
Town of Moraga, California



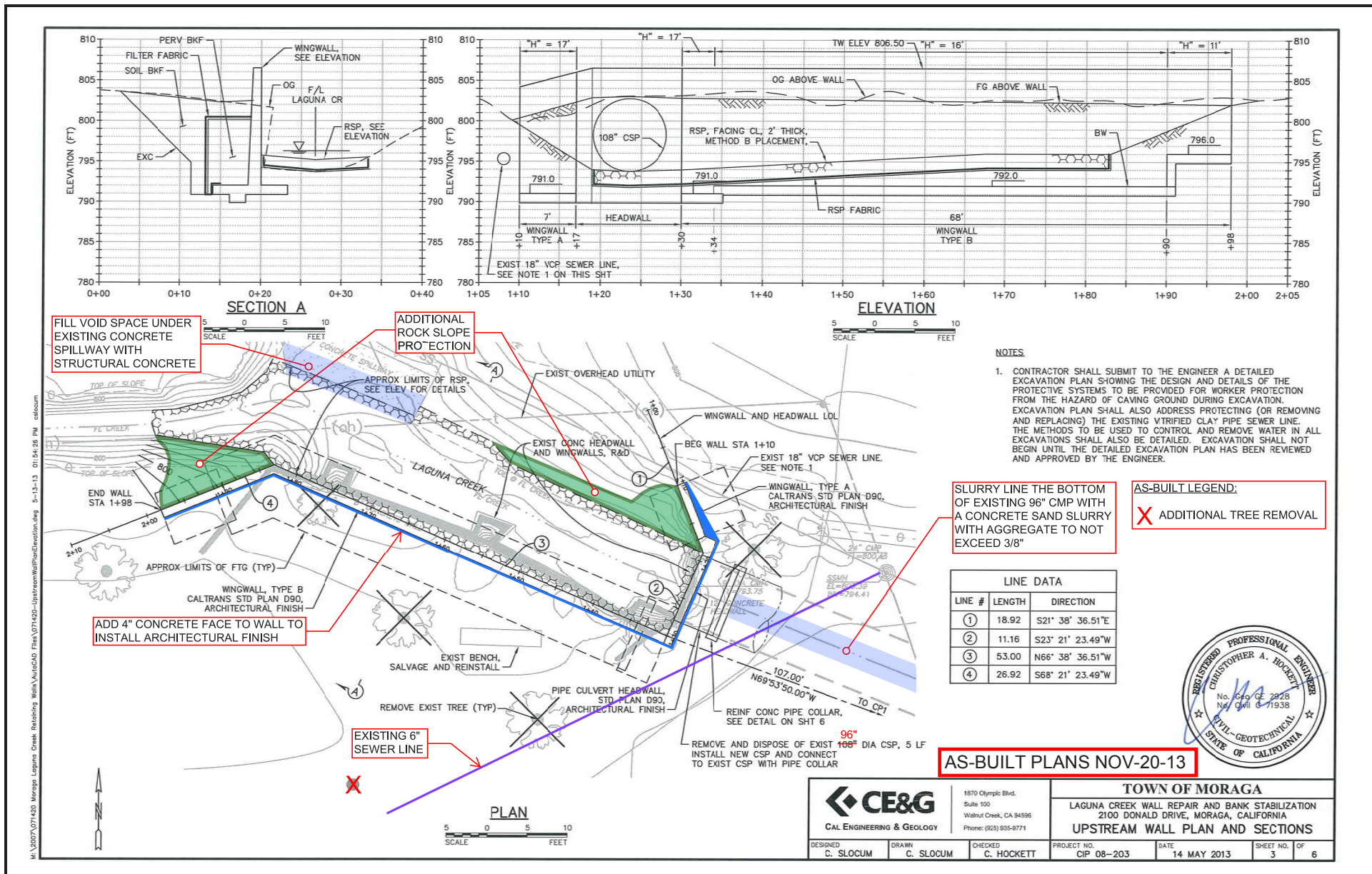


## As-built Plans (Existing Condition)

Laguna Creek Restoration and Flood Protection Project  
Town of Moraga, California



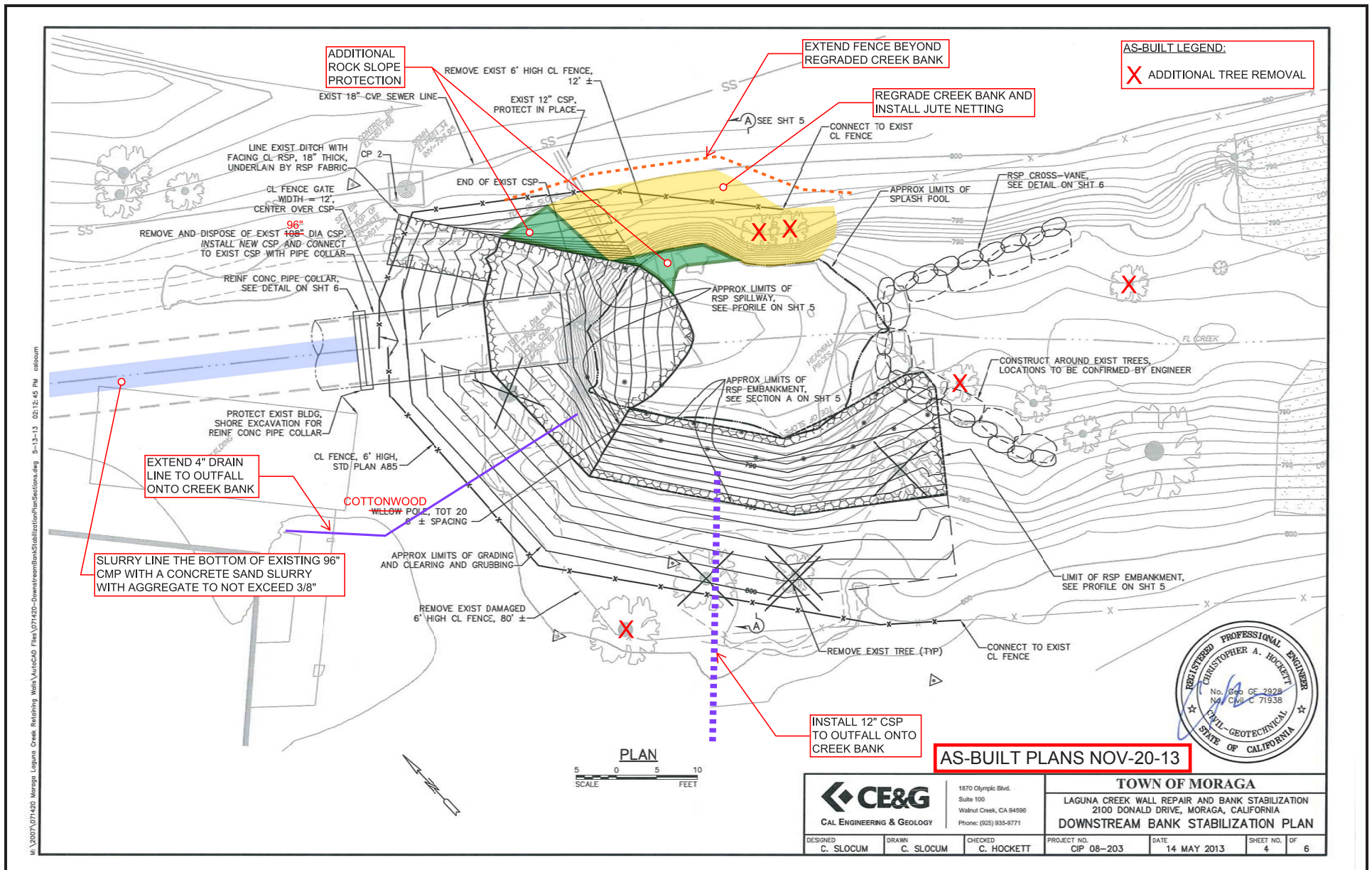




## As-built Plans (Existing Condition)

Laguna Creek Restoration and Flood Protection Project  
Town of Moraga, California





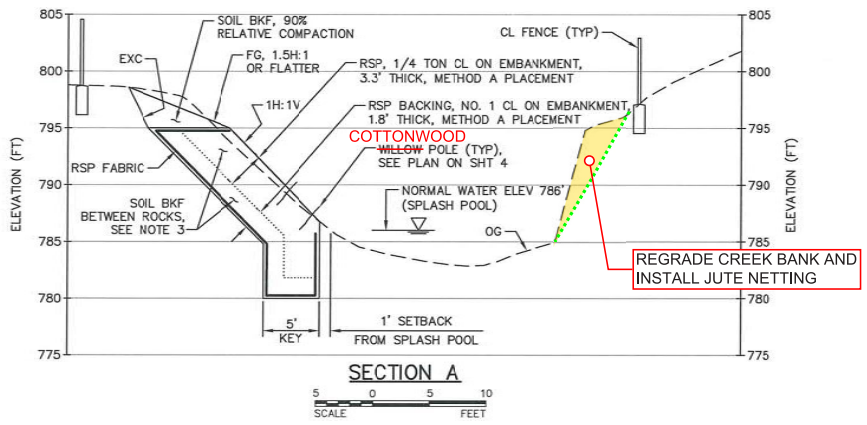
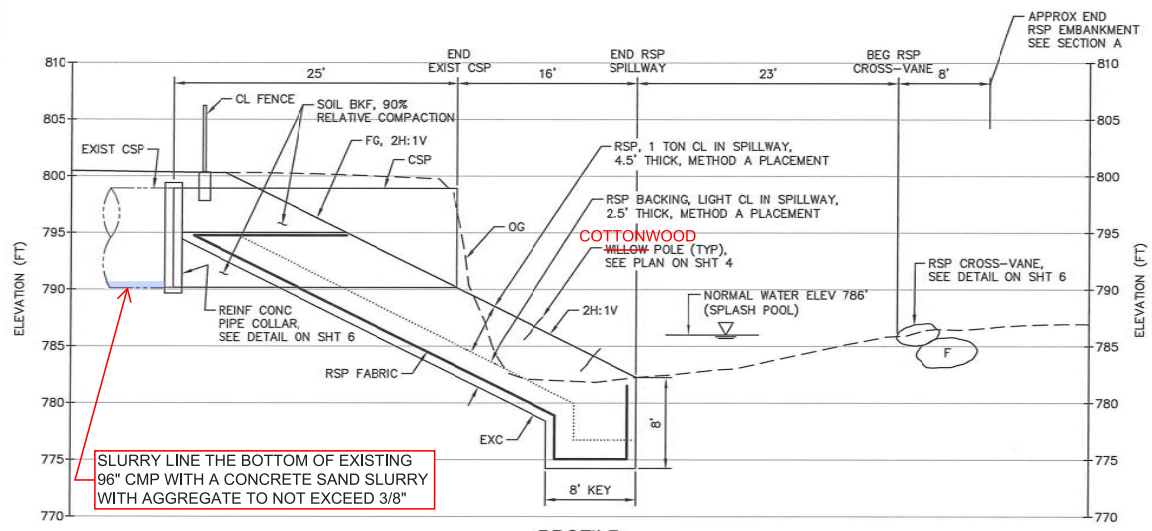
## As-built Plans (Existing Condition)

Laguna Creek Restoration and Flood Protection Project  
Town of Moraga, California





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NOTES

1. ENGINEER SHALL BE PRESENT DURING ROCK SLOPE PROTECTION (RSP) CONSTRUCTION. CONTRACTOR SHALL CONTACT ENGINEER A MINIMUM OF 48 HOURS PRIOR TO RSP EMBANKMENT AND SPILLWAY CONSTRUCTION.
2. CONTRACTOR SHALL EXCAVATE AND PLACE ROCK SLOPE PROTECTION AS DIRECTED BY THE ENGINEER.
3. AFTER PLACEMENT OF EACH COURSE OF ROCK SLOPE PROTECTION, SOIL BACKFILL SHALL BE PLACED IN VOIDS BETWEEN ROCKS AND COMPACTED. NO MORE THAN ONE COURSE OF ROCK SLOPE PROTECTION SHALL BE PLACED WITHOUT SOIL BACKFILL. THE NEXT COURSE OF ROCK SLOPE PROTECTION SHALL BE ARRANGED SO THAT EACH ROCK HAS A 3-POINT BEARING ON THE UNDERLYING ROCKS.



AS-BUILT PLANS NOV-20-13

DESIGNED		DRAWN		CHECKED		PROJECT NO.		DATE		SHEET NO. OF	
C. SLOCUM		C. SLOCUM		C. HOCKETT		CIP 08-203		14 MAY 2013		5 OF 6	

**CE&G**  
CAL ENGINEERING & GEOLOGY

1870 Olympic Blvd.  
Suite 100  
Walnut Creek, CA 94596  
Phone: (925) 935-9771

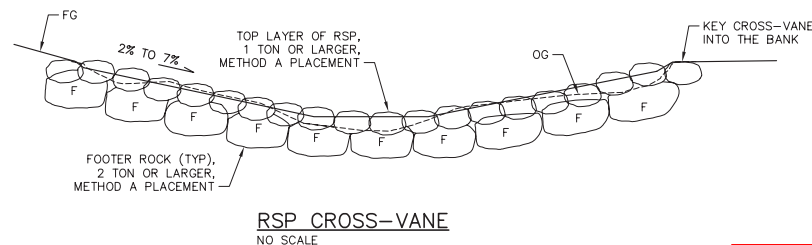
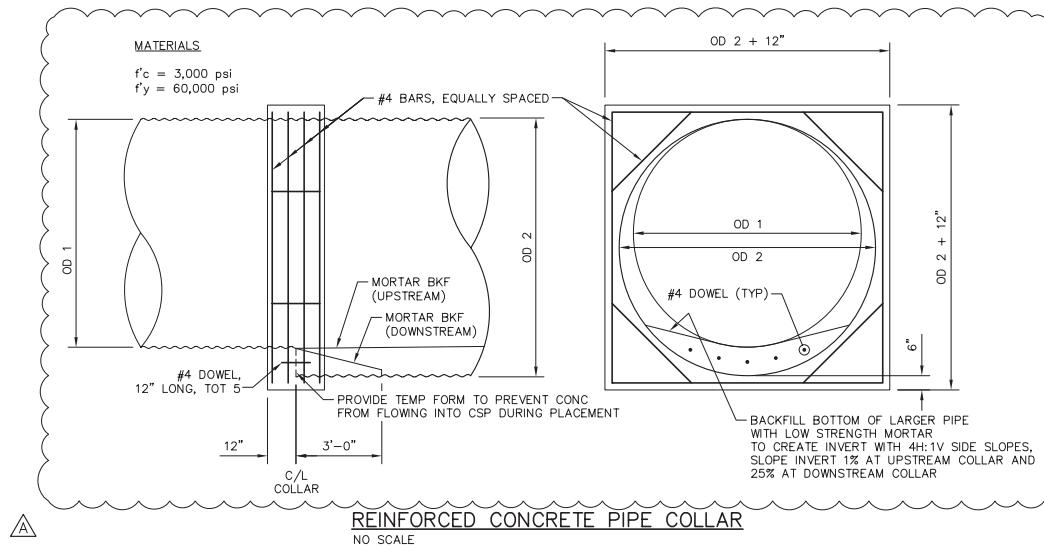
**TOWN OF MORAGA**  
LAGUNA CREEK WALL REPAIR AND BANK STABILIZATION  
2100 DONALD DRIVE, MORAGA, CALIFORNIA  
**DOWNSTREAM BANK STABILIZATION SECTIONS**

As-built Plans (Existing Condition)

Laguna Creek Restoration and Flood Protection Project  
Town of Moraga, California



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**AS-BUILT PLANS NOV-20-13**

NO.	REVISION DESCRIPTION	BY	DATE
1	REINFORCED CONCRETE PIPE COLLAR	CAH	8/13/2013

<b>CE&amp;G</b> CAL ENGINEERING & GEOLOGY			1870 Olympic Blvd. Suite 100 Walnut Creek, CA 94596 Phone: (925) 935-9771		<b>TOWN OF MORAGA</b> LAGUNA CREEK WALL REPAIR AND BANK STABILIZATION 2100 DONALD DRIVE, MORAGA, CALIFORNIA <b>DETAILS</b>	
DESIGNED C. SLOCUM	DRAWN C. SLOCUM	CHECKED C. HOCKETT	PROJECT NO. CIP 08-203	DATE 14 MAY 2013	SHEET NO. 6	OF 6

## As-built Plans (Existing Condition)

Laguna Creek Restoration and Flood Protection Project  
Town of Moraga, California

