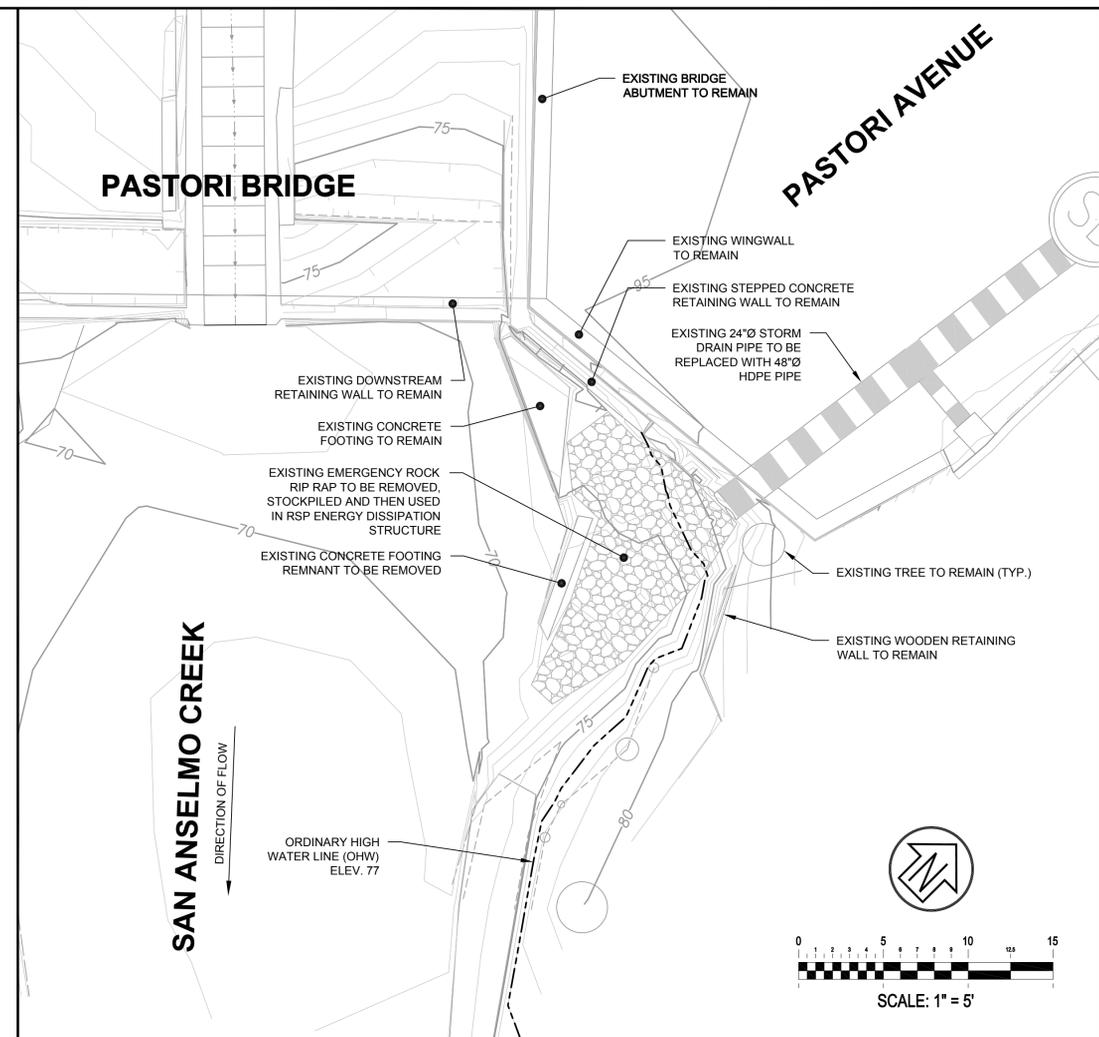


BANK STABILIZATION PLAN



DEMO PLAN

NOTES

- FISH LADDER REPLACEMENT ALTERNATIVES ARE FROM MICHAEL LOVE & ASSOCIATES, *SAN ANSELMO CREEK AT PASTORI AVENUE FISH PASSAGE PROJECT*, PREPARED FOR FRIENDS OF CORTE MADERA CREEK WATERSHED. NOT A PART OF THIS PROJECT.
- PASTORI STORM DRAIN OUTFALL PROJECT WILL NOT INTERFERE WITH ANY OF THE MICHAEL LOVE AND ASSOCIATES FISH LADDER REPLACEMENT ALTERNATIVES.
- EXISTING EMERGENCY ROCK RIP RAP TO BE REMOVED, STOCKPILED AND THEN USED IN NEW RSP ENERGY DISSIPATION STRUCTURE WITH LARGE WOODY DEBRIS CHANNEL MARGIN.
- REFER TO WEIGHT OF ROCK SPECIFIED IN THESE PLANS WHEN ORDERING ROCK RIP RAP. STONE SIZE SHOULD BE AN AVERAGE OF 33.6"Ø FOR 1 TON ROCK, AN AVERAGE 38.5"Ø FOR 1-1/2 TON ROCK, AND AN AVERAGE OF 42.2"Ø FOR 2 TON ROCK.
- ROCK RIP RAP TO BE PLACED ACCORDING TO CALTRANS STANDARD SPECIFICATIONS (METHOD A PLACEMENT)
- ROCKS SHALL BE SO PLACED AS TO PROVIDE A MINIMUM OF VOIDS AND THE LARGER ROCKS SHALL BE PLACED IN THE TOE COURSE. SMALLER PIECES OF RIP RAP SHALL BE USED TO FILL THE VOIDS.
- RIP RAP PLACED ON A SLOPE SHALL COMMENCE AT THE TOE OF THE SLOPE AND PROGRESS UP THE SLOPE. THE LARGER PIECES OF RIP RAP SHALL BE PLACED IN THE BOTTOM COURSES AND ALONG THE FLOWLINE OF WATER FROM THE PASTORI OUTFALL.
- RIP RAP PLACED ON GEOTEXTILE SHALL BE UNDERTAKEN SO THAT THERE IS NO TEARING OR DAMAGE TO THE GEOTEXTILE.
- THE GEOTEXTILE SHALL BE JOINED SO THAT THE MATERIAL LAPS IN DOWNSTREAM DIRECTION AND SHALL BE PINNED TOGETHER. ON SLOPES, THE UPPER PORTION OF THE GEOTEXTILE SHALL BE FIXED TO PREVENT SLIDING DURING INSTALLATION.
- THE PLACEMENT OPERATION SHALL BE SUCH THAT THE GEOTEXTILE FABRIC IS NOT EXPOSED TO DAYLIGHT FOR MORE THAN 3 DAYS.
- LARGE BOULDERS SHOULD BE USED TO SECURE THE ROOTWAD, ESPECIALLY CLOSE TO THE FAN.
- THE ROOTWAD FAN (MINIMUM DIAMETER OF 48") SHOULD SPAN FROM THE MAXIMUM SCOUR DEPTH TO BANK-FULL ELEVATION (ROOTWADS, ARE PLACED AT AN ELEVATION SUCH THAT ONE-THIRD OF THE FAN REMAINS BELOW BASE FLOW WATER SURFACE ELEVATION, AND ONE THIRD ABOVE OHW (BANKFULL) WATER SURFACE ELEVATION).
A MINIMUM OF 50% OF THE ROOTWAD MASS SHOULD BE BELOW THE CHANNEL BED ELEVATION AT THE DOWNSTREAM RIFFLE CONTROLLING THE WATER SURFACE ELEVATION IN THE POOL DURING LOW FLOW. IN OTHER WORDS, THE ROOTWAD SHOULD TOUCH THE BOTTOM OF THE CHANNEL SO ONLY ONE-HALF OF THE ROOTWAD IS SHOWING DURING THE SUMMER.
- THREE QUARTERS OF THE LENGTH OF THE ROOTWAD TRUNK SHOULD BE IMBEDDED INTO THE RIP-RAP STRUCTURE.
- SEE LISTING OF TIMES WHEN OBSERVATION BY ENVIRONMENTAL PLANNER IS REQUIRED ON SHEET EN1.
- CREEK BANK DISTURBED BY CONSTRUCTION SHALL BE COVERED WITH BIODEGRADABLE COCONUT FIBER BLANKET (NORTH AMERICAN GREEN 125 BN OR EQUIVALENT.) BLANKET SHALL BE LAPPED IN DOWNSTREAM DIRECTION.

Rev	Date	Description	Designed	Drawn	Checked
1	11/21/2011	ADDED 4 PERMA-JACK TYPE PILES	GEG	JKS	GKM
-	02/04/11	JARPA SUBMITTAL	GEG / GKM	SAS	GKM

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City	Fairfax
County	Marin
State	California

PASTORI STORM DRAIN OUTFALL
DEMO & BANK STABILIZATION PLANS
 TOWN OF FAIRFAX

Prepared Under the Direction of:	Sheet
	EN3
Scale:	AS NOTED
Date:	04/14/10
Project Number:	4.1086.14
Plan File:	D-4950-03

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