CROCKETT ENGINEERING CONSULTANTS

PROJECT: Storage Mart - Hwy 291

CALCULATED BY: JEE CHECKED BY: TDC

DATE: 1/10/20 PROJECT NO: 170504

RIP RAP CHANNEL CALCULATIONS

DESCRIPTION	HYDROLOGY						CHANNEL PARAMETERS									NOTES
AREA NO.	AREA	RUNOFF COEFFIENT	% IMPERVIOSNES	RAINFALL RETURN FREQUENCY	RAINFALL INTENSITY	RUNOFF	CHANNEL SLOPE	MANNINGS	LEFT SIDE SLOPE	RIGHT SIDE SLOPE	BOTTOM WIDTH	DEPTH	VELOCITY	CAPACITY Q	SHEAR STRESS	
	acres	C	CA	year	in/hr	cfs	ft/ft	n	X : 1	X : 1	ft	ft	fps	cfs	lb/ft^2	
Storm Line 2		0.65	0.60	25	8.30	217.00	0.010	0.035	3.00	3.00	22.00	1.59	5.13	218.00	0.83	D(50)= 1' Diameter
																Permissible Sheer Stress = 4 lbs/sf