	LUES DE ESTADO ENTRE ENTRE DE LA CONTRA DE LA	STORM	DRAIN CA	LCULATION	ONS - BET	WEEN SPF	RINGER & [	DISCOVER	Y (C=O.	35 SITE	CONTRIBUTI	ON ASSU	MED FROM	OVERLA	ND)	WATER THE	
		THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN					<del>der met der der der der der der der der der der</del>		A THE RESIDENCE OF THE PROPERTY OF THE PROPERT				STRUCTURE				
			· · · · · · · · · · · · · · · · · · ·	**************************************	TIME AT	DESTGN	RAINFALL	TOTAL	STORM	***************************************	SLOPE	STRUCTURE	LOSS AT	FLOW	TIME AT	H.G. AT	
		***************************************	i soli i soli		UPSTREAM	STORM	INTENSITY	FLOW	DRAIN	And the state of t	OF FRICTION	LOSS	UPSTREAM	TIME IN	DOWNSTREAM	UPSTREAM	
			NLET		OF REACH	FREQUENCY	7 7		DIAMETER	VELOCITY	GRADIENT	COEFF.	OF REACH	DRAIN	OF REACH	OF REACH	REMARKS
	LENGTH		TIME	TOTAL	TOT NEACH	- raceocher				(f 1/s )	( 1/1 )	*Ki *	(4/21/3)	(min )	(min)	(f f )	
ROM TO		CA"	(min)	<u>'YA</u>	<u> </u>	<u> </u>	(in/hr)	( <u>CL</u> S		· · · · · · · · · · · · · · · · · · ·		0.50	8 15	2 7	1 17.4	594.47	STARTING HGL - L
+37.88   STA 0+12.70	725.18	5.37	14.7	1 5.37	14.7	1 100	9.10	48.9	45	4.4	0.0016	V. 39	<u> </u>	5	<u> </u>	A CONTRACTOR OF THE PARTY OF TH	1

## NOTES

- I. THE STORMDRAIN SYSTEM IS DESIGNED ASSUMING ALL DEVELOPMENT WILL DETAIN ON-SITE. THE BOX CULVERT TRANSITION/CROSSING IS DESIGNED FOR THE CONTRIBUTING WATERSHED. IN ADDITION, THE STREET (R.O.W. TO R.O.W.) CAN CONVEY THE IOO YEAR UNDETAINED, FULLY DEVELOPED FLOW TO THE POSITIVE OVERFLOW SUMPS. THEREFORE, THE DESIGNED SYSTEM, IN PLACE, CAN ACCOMPODATE THE IOO YEAR FULLY DEVELOPED FLOW BEFORE THE CROSSING AT FM. 549.
- 2. THE STARTING HGL FOR THE LINE BETWEEN SPRINGER & DISCOVERY (LINE B) WAS TAKEN FROM THE STORM DRAIN CALCULATIONS FOR SPRINGER AT THE JUNCTION BOX WHICH CORRESPONDS TO THE DISCHAGE POINT OF LINE B. THE HGL AT THE UPSTREAM OF LINE C WAS NOT ASSUMED AT THE TOP OF THE PIPE, BUT WAS CALCULATED USING MANNINGS EQUATION. THE CALCULATED HGL WAS THEN USED AS THE DOWNSTREAM HGL IN CALCULATIONS FOR LINE A.

RECORD DRAWING 08/04/06 PREPARED BY:

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ROCKWALL FECHINOLOGY PARK

> STORM DRAIN CALCULATIONS

