

Rock 27 &
Rock 34

27

Rock 27

	Rockledge Project CC - 29 - River Ridge Nondischarge		
	Pollutant Removal Calculations		
			3/23/15
BMP Type:	Nondischarge		
Basin No.	1N		
Drainage Area:	35.26	acres	
Annual Runoff Volume from PLSM =		64.92	ac-ft/yr
TN from PLSM =	327.52	lb/yr	
TP from PLSM =	68.25	lb/yr	
Site is nondischarge - 100% retention			
Annual TN load removed =	327.52	lb	
Annual TP load removed =	68.25	lb	

34

Rock 34

	Rockledge Project Rock - 30 - Winchester Cove Nondischarge			
	Pollutant Removal Calculations			
				3/23/15
BMP Type:	Nondischarge - dry retention			
Subdivision stores 100 year storm. ERP Permit No. 42-009-1890AN				
Basin No.	1T			
Drainage Area:	7.25	acres		
Annual Runoff Volume from PLSM =			6.97	ac-ft/yr
TN from PLSM =		41.41	lb/yr	
TP from PLSM =		5.26	lb/yr	
100 year retention provides 100% removal efficiency				
Annual TN load removed =		41.41	lb	
Annual TP load removed =		5.26	lb	

27 8.6. PROJECT ROCK-29 – RIVER RIDGE NONDISCHARGE

River Ridge is a gated subdivision behind the old Walmart site on U.S. 1. This older development was built in 1985 before stormwater permits were required. The subdivision's topography causes 35.26 acres of development to flow to a low area of Lot 55 on River Ridge Drive that acts as a 0.26 acre dry retention pond. (

Figure 8.6) The lot is depressed about one foot deep and appears to be blocked from discharging by the Walmart wall on the west and a high spot on River Ridge Dr. to the north. This nondischarge basin accumulates 327.5 lb/yr of TN and 68.2 lb/yr of TP. It appears that there is no discharge from this basin, though heavy underbrush prevented a complete nondischarge determination. If further investigation verifies there is no discharge from this site, 100% credit reduction should be requested for this basin, with no costs for credit acquisition.

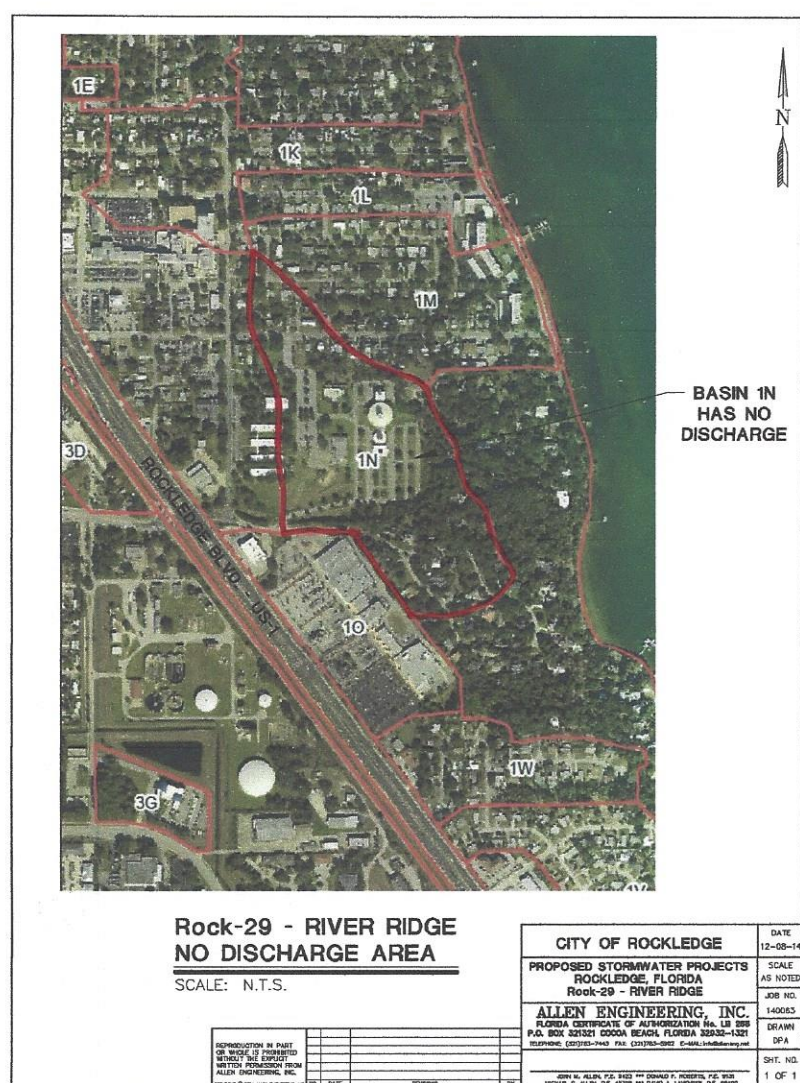
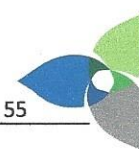


Figure 8.6 - River Ridge Nondischarge Site – No Construction Required



8.7. PROJECT ~~ROCK-30~~³⁴ - WINCHESTER GROVE NONDISCHARGE

The Winchester Cove Subdivision is located between U.S. 1 and the IRL, in the southern section of the City. (Figure 8.7) This subdivision was designed and permitted to store the 100-year storm as shown in ERP No. 42-009-1890-AN. Therefore, it is a 7.25-acre nondischarge area that should receive 100% reduction of 41.4 lb/yr of TN and 5.3 lb/yr of TP. There are no costs associated with acquisition of these credits.

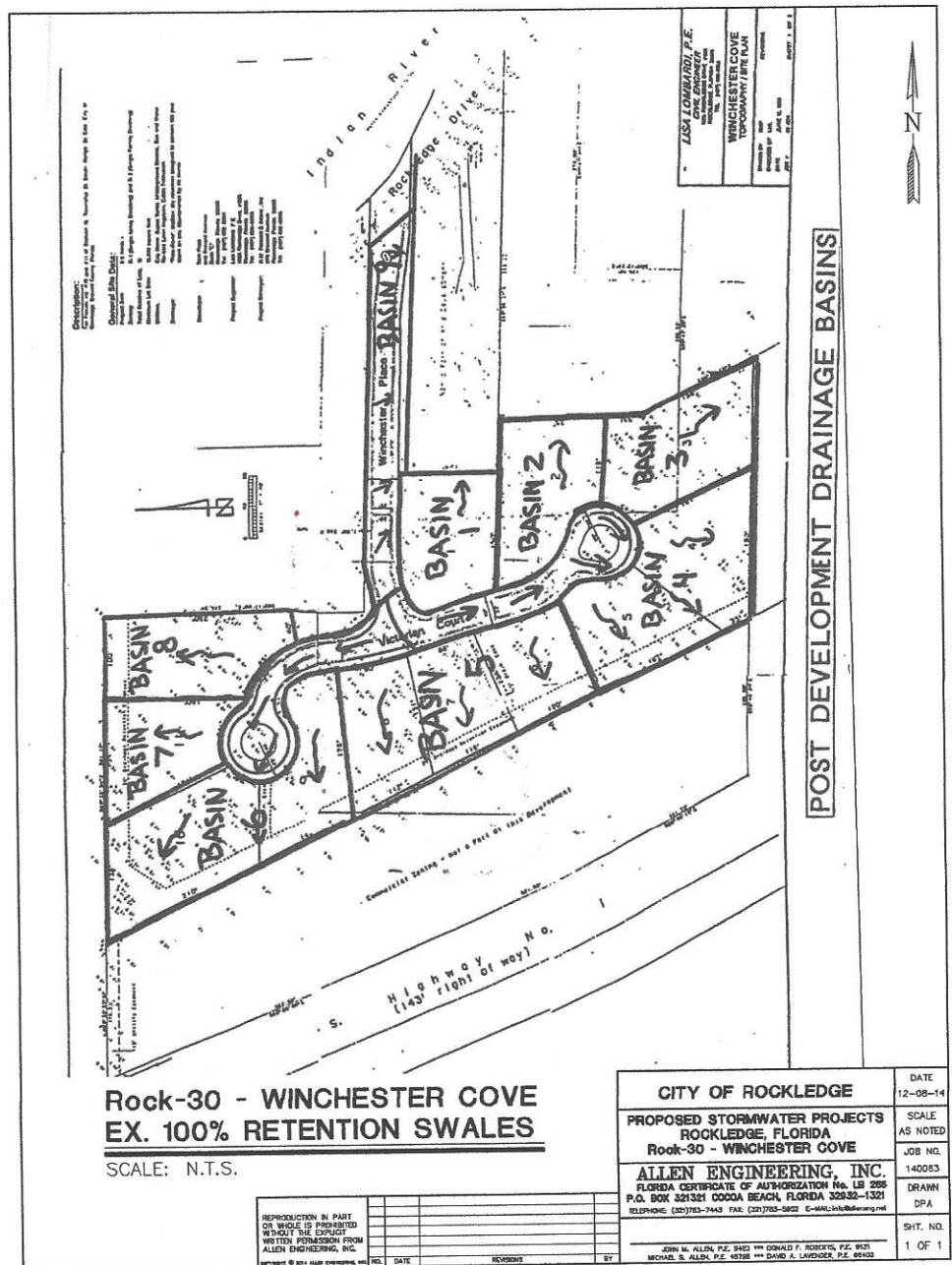


Figure 8.7 - Winchester Cove Location – No Construction Required

