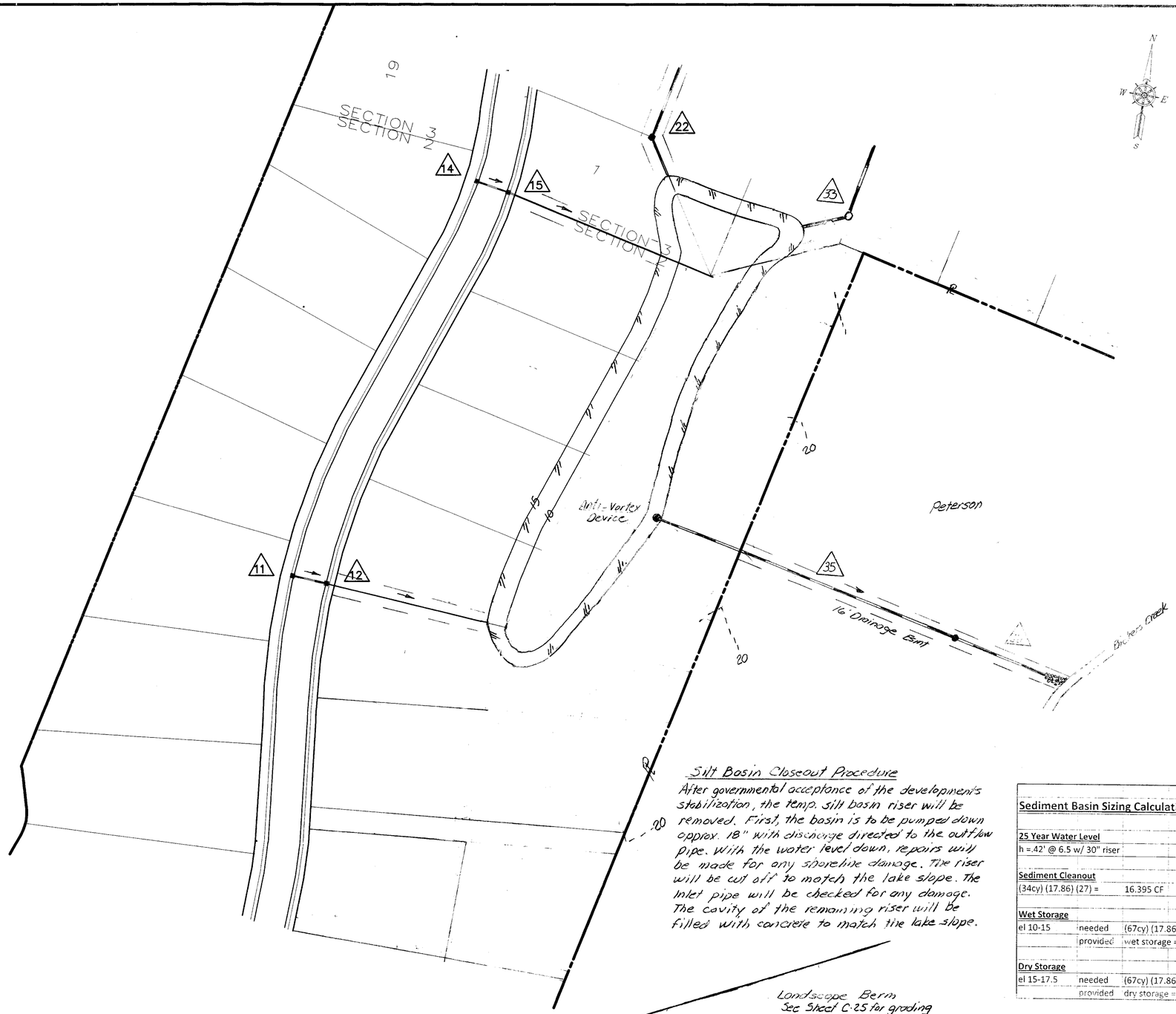
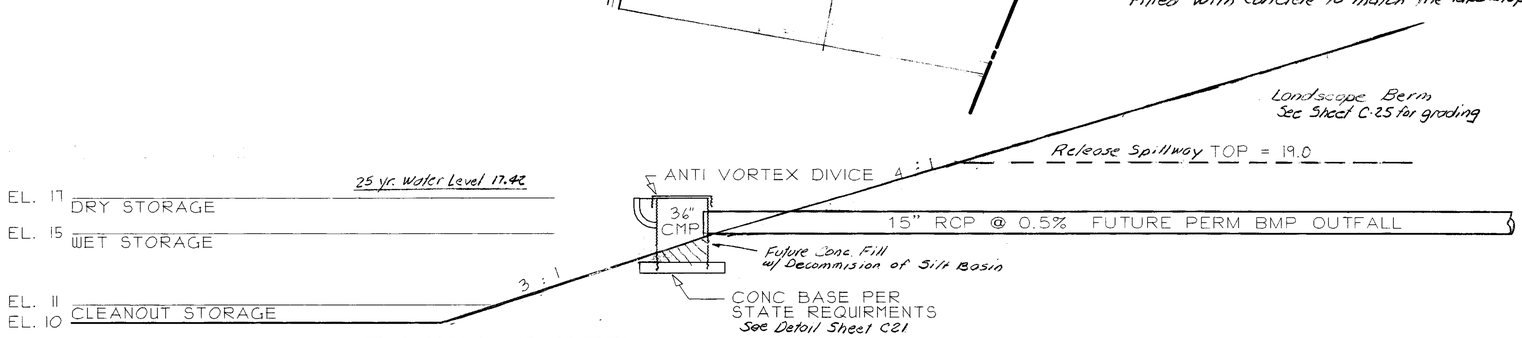


Silt Basin Closeout Procedure

After governmental acceptance of the developments stabilization, the temp. silt basin riser will be removed. First, the basin is to be pumped down approx. 18" with discharge directed to the outflow pipe. With the water level down, repairs will be made for any shoreline damage. The riser will be cut off to match the lake slope. The inlet pipe will be checked for any damage. The cavity of the remaining riser will be filled with concrete to match the lake slope.

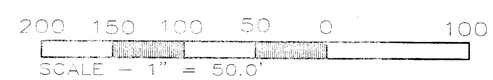
Sediment Basin Sizing Calculations

25 Year Water Level				
h =.42' @ 6.5 w/ 30" riser			17.85 Ac @ 0.5 C	
Sediment Cleanout				
(34cy) (17.86) (27) =		16.395 CF =>	0.3' deep - el 10.3	
Wet Storage				
el 10-15	needed	(67cy) (17.86) (27) =	32,309 CF	
	provided	wet storage =	202,000 CF	625% of req'd
Dry Storage				
el 15-17.5	needed	(67cy) (17.86) (27) =	32.309 CF	
	provided	dry storage =	139,000 CF	427% of req'd



BASIN RISER

SCALE 1" = 4'



REVISIONS	BY
10-7-13	
12-4-13	
2-3-14	
3-17-14	
4-24-14	

Architectural Graphics
6676 LAKESHORE DRIVE
QUINTON, VIRGINIA 23141
804-551-6944

BASIN DETAILS
EAGLE PRESERVE
AT JORDAN ON THE JAMES

SEAL
COMMONWEALTH OF VIRGINIA
WALTER M. ACKMAN III
No. 11039
PROFESSIONAL ENGINEER

DRAWN : PBM	CHECKED : WMA
DATE : 3-19-13	
SCALE : AS NOTED	
JOB NO. :	
SHEET C5	
OF 35 SHEETS	