

STORMWATER MANAGEMENT NARRATIVE:
 Bermuda Bay P.U.D. was originally approved under State Permit SW7040910 with a total impervious area of 22.66 acres. As currently designed the project has 20.87 of impervious coverage including 128,115 sq.ft. allocated to Section 200-A, Somerset formerly known as Southampton Mews.
 Bermuda Bay P.U.D. was also previously approved by the Town of Kill Devil Hills as Southampton Mews with a proposed lot coverage allocation of 128,115 sq.ft. using a design storm of 4.3".
 The stormwater on the previous approval and this revision is designed to flow by gravity collection to the infiltration basin along the Southern Property Line. This revision maintains the original intent of the stormwater conveyance system with no increase in Lot Coverage.

"GREEN AREA" REQUIREMENTS PER 15A NCAC 2H .0404(g)(7):
 In accordance with permit W0002829 issued July 14, 2017 as an exception granted by the Environmental Management Commission on January 12, 2017, the Permittee shall provide 24.55 acres of green area. A green area being an area suitable for wastewater disposal, either in its natural state or which has been modified by planting vegetative cover or grasses or low growing shrubbery. This phase modification does not increase impervious coverage and maintains the required Green Space of 24.55 acres within the project boundaries.
 The Permit further requires that Green Space be irrigated with Reclaimed Wastewater through a "Purple Pipe" irrigation system using reclaimed water drawn from the irrigation pump located in Pond 2.



MICHAEL W. ROBINSON, P.E., P.L.S.
 ENGINEERING AND SURVEYING
 KILL DEVIL HILLS, NC 27948
 P.L.S. # 10000
 EMAIL: mrobinson@abengengineering.com

DRAINAGE AND GRADING PLAN
 NOT RELEASED FOR CONSTRUCTION



REVISIONS	
NO.	DATE
1	10-06-20
2	11-03-20
3	11-03-20
4	11-03-20
5	11-03-20
6	11-03-20
7	11-03-20
8	11-03-20
9	11-03-20
10	11-03-20
11	11-03-20
12	11-03-20
13	11-03-20
14	11-03-20
15	11-03-20
16	11-03-20
17	11-03-20
18	11-03-20
19	11-03-20
20	11-03-20
21	11-03-20
22	11-03-20
23	11-03-20
24	11-03-20
25	11-03-20
26	11-03-20
27	11-03-20
28	11-03-20
29	11-03-20
30	11-03-20
31	11-03-20
32	11-03-20

PROJECT: BERMUDA BAY - SOMERSET
 NORTH CAROLINA
 DARE COUNTY
 KILL DEVIL HILLS
BUILDING 201 AND 202-KDH REVIEW PLAN

DATE: 10-06-20 SCALE: 1"=20'
 DESIGNED: MWR DRAWN: MWR
 SHEET: S6 OF 11
 CAD FILE: 382500B1.DWG
 PROJECT NO: 3825

