



LOT 6A - RECOMB. FOR  
BLOCK 8 - SECTION 1  
KITTY HAWK SHORES REV.  
(P.C. F. SL. 139)

M.B. 1, Pg. 171

MICHAEL W. ROBINSON, P.E., P.L.S.  
ENGINEERING AND SURVEYING  
P.O. BOX 2852  
KILL DEVIL HILLS, NC 27948  
PHONE: 252-255-8026  
EMAIL: mrobinson@mbengineering.com

UTILITY PLAN  
PRELIMINARY



NO.	DATE	REVISIONS

PROJECT: OCEANFRONT COMMUNITY  
NORTH CAROLINA  
KILL DEVIL HILLS DARE COUNTY  
707 AND 709 NORTH VIRGINIA DARE TRAIL, KILL DEVIL HILLS

DATE:	11-03-20	SCALE:	1"=20'
DESIGNED:	MWR	DRAWN:	MWR
SHEET:	2	OF:	5
CAD FILE:	sops-707 and 709 rvt1-10--base.dwg		
PROJECT NO:	082720		

8-3/4" WATER SERVICE LINES IN COMMON TRENCH  
3/4" 200 PSI CTS POLYETHYLENE SERVICE TUBING  
INSTALLED BY DEVELOPER

PROPOSED SEWER LIFT STATION AND VALVE VAULT  
4" DIP CONNECTION TO EXIST. 6" SS FORCE MAIN

8-5/8" 3/4" METERS, 7 SINGLE FAMILY METERS  
AND ONE COMMUNITY METER

PROPOSED 6" FIRE LINE  
LINE IS PRIVATE ON PRIVATE PROPERTY  
FROM 6" RPZ EAST

INSTALL 6" FIRE LINE BY TRENCHLESS BORE AND JACK METHOD.  
USE BACKSIDE TAP TO EXISTING 6" WATER MAIN WITH 16x8  
TAPPING SLEEVE AND 6" VALVE

EXISTING 6" RPZ CHECK VALVE ASSEMBLY  
IN SAFE-T-COVER WITH HEATER  
SEE DETAIL SHEET 5  
USE 6" DIP IN AND OUT OF BOX  
AS NOTED IN DETAIL

7-5/8" 3/4" SINGLE FAMILY METERS  
METERS AND ONE COMMUNITY METER

EXISTING WATER MAIN  
18" PVC  
KILL DEVIL HILLS

GENERAL UTILITY NOTES:  
1. WASTEWATER DISPOSAL:  
KDHWWTP, LLC WASTEWATER TREATMENT FACILITY  
ALLOCATED CAPACITY : 26,880 gpd  
Reference NCUC Docket W-1160, Sub. 13  
Design Flow:  
12-4 Bedroom Units with 5 habitable rooms each at 600 gpd  
per unit (5 habitable rooms at 120 gpd) = 7,200 gpd  
2-5 Bedroom Units with 6 habitable rooms each at 720 gpd  
per unit (6 habitable rooms at 120 gpd) = 1,440 gpd  
Total Design Flow: 8,640 gpd  
2. THIS PROJECT WILL REQUIRE A SEWER EXTENSION PERMIT (FAST TRACK)  
FROM NCDEQ. THE EXTENSION PERMIT WILL BE REQUIRED TO BE PROVIDED  
PRIOR TO ISSUANCE OF THE BUILDING PERMIT.  
3. A FIRE HYDRANT FLOW TEST SHALL BE PERFORMED PRIOR TO DESIGN  
OF THE RESIDENTIAL SPRINKLER SYSTEM TO DETERMINE FLOW AVAILABILITY.

THIS PLAN SET IS PRELIMINARY AND HAS  
BEEN PREPARED FOR TOWN OF KILL DEVIL HILLS  
ZONING COMPLIANCE REVIEW ONLY.  
NOT RELEASED FOR CONSTRUCTION OR BIDDING  
GRAPHIC SCALE

