



# CITY OF WILMINGTON

P.O. BOX 1810, WILMINGTON, N.C. 28402

TO: Mark Hargrove PE SUBJECT: wastewater Alternative COPY: J. Diepenbrock  
FROM: City Engineering DATE: 8/19/16 Protrak: V.3  
RE: FOUR SEASONS SITE & DEMO comments  
4004 RIVER ROAD Project #  
2016023

MIN. FLOW VELOCITY OF 3.5 FEET PER SECOND  
(TO RE-SUSPEND SETTLED SOLIDS)

NO SAGS OR LOCALIZED HIGH POINTS IN FORCE MAIN.

HORIZONTAL LOCATION/ALIGNMENT & VERTICAL ALIGNMENT  
-CHECK FOR CONFLICTS W/ FUTURE WIDENING  
PROJECT (DENISE FREUND)

NO BENDS > 45°

NEED DETAIL FOR MH CONNECTION  
CONSIDER 6" GRAVITY PIPE SECTION TO PROMOTE  
LAMINAR FLOW WITHIN MANHOLE

PUMP STATION DESIGN SUBMITTAL  
DUPLEX PUMPS (2)

WET WELL STORAGE FOR MIN. ONE-DAY  
PUMP FAILURE  
ALARMS

ENCROACHMENT AGREEMENT THRU ROB GORDON  
(CITY) APPROVAL SINCE PRIVATE WILL BECOME PUBLIC

JUSTIFICATION NEEDED - EXPLAIN  
THIS IN YOUR ENCROACHMENT AGREEMENT APPLICATION.  
LOCATE IN BETWEEN SIDEWALK & BACK OF CURB  
(i.e. 7' from back of R/W)

COPY;  
D. FREUND