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LICENSED SOIL SCIENTIST
561 ENNIS ROAD
MARVIN, NC 28173
704 576-3887

Reference: Data Sheet for CL&T Sec. 8, Lot 185
House Footprint: See attached plan
Building Setbacks: 35' front, 15, side, 50' lake
Water Source: Private well
Number of Bedrooms: 4/480 GPD
Predetermined LTAR: 0.3 GPD/FT2
Proposed System Type: Existing conventional to PPBPS
Proposed Repair System Type: PPBPS
Distribution: Distribution box with flow divider on P3 & 04
Septic Tank Size: 1000 gallons
Proposed Trench Bottom: 36"

Line	Design Length	Actual Length
Orange 1		35'
Blue 2		35'
Pink 3	**35'**	**35'**
~~**Orange 4**~~	~~**35'**~~	~~**35'**~~
Blue 5 (existing)	**131' (approx.)**	
Red 6 (existing)	**134' (approx.)**	
Pink 7 (existing)	**137' (approx.)**	

Initial System: 400' conv., & 70' PPBPS (P3-P7) **Repair System:** PPBPS (O1-B2).

Comments: This lot was previously permitted in 2010 for a four bedroom septic system. The existing/original system was a three bedroom conventional/gravel system and MA&A was prescribing an additional panel line to increase the bedrooms from 3 to 4. Upon installation of the additional panel septic line, the installer discovered an additional conventional septic line and the county during their inspection also discovered that the 50 foot buffer from the 760 elevation was currently encroaching on the existing system. MA&A was asked to re-visit the site to determine the lots ability to comply with current regulations. In order for this lot to comply with current regulations portions of the eroded shoreline were filled in and reclaimed. MA&A probed the edge of the existing septic line P7 and the new/reclaimed 50 foot buffer from the 760 was again located by DAS. Once this was complete, although extremely close, it does appear that the

septic line P7 is outside of the new 50'buffer. Please note the previous panel line installed between P7 and the 50' buffer needs to be properly excavated and the existing P7 septic lateral needs to be repaired to its previous condition. The current septic tank will need to be pumped out and crushed in place and filled in and a new 1000 gallon tank will need to be installed in the prescribed location. All gutter and foundation drains need to be removed from the septic area (there is a drain outlet at the end of B2). In the event that the repair is ever needed O1 will require a slight amount of grading. If there any questions please feel free to contact us at (704) 576-3887.