

Appendices

Appendix K2 Sewer Demand

Appendices

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Newport Crossing - Sewer & Water Demand

Prepared by: Fuscoe Engineering Date: July 11, 2018

Sewer Demand

Existing Condition Sewer Demand (using sewer flow monitoring) (Existing buildings to be demolished)				
No.	Location	Average Daily Flow (GPD)	Peak Flow (cfs)	Peak Flow (GPD)
Lateral 1 (8"-diameter)	Martingale Way	1,900	0.01	7,075
Lateral 2 (8"-diameter)	Scott Drive	2,220	0.01	8,267
Lateral 3 (8"-diameter)	Dove Street	1,560	0.01	5,810
Total Existing Condition Sewer Demand		5,680	0.03	21,152

Proposed Condition Sewer Demand							
No.	Proposed Use Description	Sewage Generation Factor	Qty	Peaking Factor	Average Daily Flow (GPD)	Peak Flow (cfs)	Peak Flow (GPD)
1	Commercial *	25 gpd/ 1,000sf	7,500 sf	2.5	188	0.00073	469
2	Residential **	245 gpd/ du	350 du	3.15	85,750	0.418	270,113
Total Proposed Condition Sewer Demand					85,938	0.419	270,582

Notes:

* Avg daily flows per City of Los Angeles

** Generation Factors per City of Newport Beach Design Criteria