

Grading for Chamberlain Project, in cubic yards (CY)

PLN APPROVAL (Source: BOS Staff Report, Final EIR)			Truck Trips based on 12cy = 1 truck load (Source: Final EIR)
TOTAL	Cut	Fill	
Lots 1-4	500	2,300	0
Lots 5-8	4,700	700	0
Lots 9, 10	300	2,900	0
Lot 11	1,200	1,000	0
Overall - Import Only	0	900	75
	6,700	7,800	75

Note: Final EIR assumes balanced Grading for Lots and only calculates truck trip for imported materials (Rock, etc)

BLD PROPOSAL	FOUNDATION			SLOPE REPAIR ---Revised on BLD Plans				
Lots 5-8	Cut	Fill	Offhaul Trips (balance/12 cy)	Cut - Slope Repair	Balanced Fill	Imported Fill (Source: Geo letter 7/8/17)	Offhaul (Source: Geo letter 7/8/17)	Truck Trips for Fill + Offhaul
5	1,740	0	-	520	-	-	-	-
6	2,030	0	-	580	-	-	-	-
7	2,170	40	-	660	-	-	-	-
8	2,080	90	-	1120	-	-	-	-
	8,020	130	658	2,880	0	4500	2500	583.3
Lots 9-11	Cut	Fill	Onhaul Trips (balance/12 cy)	Cut - Overexcavation	Balanced Fill	Imported Fill	Offhaul	Truck Trips for Fill + Offhaul
9	140	1,800	-	200	0	260	200	38.3
10	770	310	-	81	0	105	81	15.5
11	470	70	-	519	382	178.1	137	26.25833333
	1,380	2,180	67	800	382	543	418	80

Notes: 1) Cut for Slope Repair: Geo letter of 7/8/17 estimates total earthwork for geo mitigation as up to 25,000 cy (2800 cy estimated by Project Civil Eng.); 2) Fill for Slope Repair: Slope Repair will involve off-haul of organic/unsuitable material, shrinkage, and re-placement back of suitable material, as well as fill to compensate for unusable earth. Truck Trips: (4500 cy + 2500)/12 cy = 583 trips

Note for Cut for Overexcavation: Overexcavation volumes for Lot 11 provided by Cornerstone in letter dated 9/21/18. No formal estimates provided for Lots 9-10, but volumes estimates based on total estimated overexcavation of 800 cy from BKF letter of 8/7/18

Note for Balanced and Imported Fill: No formal numbers provided for Lots 9-10. Staff used conservative estimates for balanced fill (zero assumed) and imported fill (based on cut amount plus 30% shrinkage).

Grading Quantities	Approved	Proposed	Difference
Cut (5-8)	4,700	10,900	6,200
Fill (5-8)	700	4,630	3,930
Cut (9-11)	1,500	2,180	680
Fill (9-11)	3,900	3,105	-795

TRUCK TRIPS	Approved Trips	Proposed Trips
On & Off Haul Trips		
Lots 5-8	37.5	1240.8
Lots 9-11	37.5	147
	75	1387.6