

# Appendix F

## **Construction Resource Information**





**Draft: CPHPSII Project: Construction Workers and Equipment for Candlestick Point Construction Phase (Revision Date 3/11/2024 based on Construction Schedule received 2/13/2024) Prepared by TRC for EIR Analysis**

Phaseing Color Coding	
Phase 1	
Phase 2	
Phase 3	
Phase 4	
Phase 5	
Phase 6	

Year	Project Year	Horizontal (Site Prep) or Vertical Duration (Building Const.)	Construction Phase Type	Project Sub Phase	Duration (Months)	Construction Equipment			Daily Construction Workers		Daily Construction Truck Trips		
						Full Time	1/2 Time	1/4 Time	Max Number of Workers	Avg. Number of Workers	Max Number of Truck Trips	Avg. Number of Truck Trips	Number of On Site Equipment

2014		Site Preparation	Demolition	Phase 0	2		(1)Excavators,(1) Off Road Dump Truck, (1)Loaders, (1)Dozer, (1)Water Trucks		13	10	8	4	7
			Grading & Infrastructure	Phase 0	4	(2)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck	(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	30	24	16	8	15	

2015		Site Preparation	Grading & Infrastructure	Phase 0	4	(2)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck		(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	30	24	16	8	15
		Building Construction	Foundation Piles/Structures/Rough-In	Phase 0	3	(1)Excavators, (1)Loaders,(1)Water Trucks, (1)Cranes, (1) Man Lift		(1) Cement Truck, (1) Pump Truck	18	14	16	8	9
			Interior and Exterior Finishes	Phase 0	1	(1)Loader, (1) Man Lift, (1) Sweeper, (1) Rough Terrain Fork Lift			10	8	8	4	5

2016	3	Site Preparation	Abatement	Phase 1	3	(2) Man Lifts, (1)Loader, (1) Rough Terrain Fork lift	(1) Water Truck		13	10	24	16	7
			Demolition	Phase 1	2	(2) Man Lifts, (1)Excavators,(1) Off Road Dump Truck, (1)Loaders, (1)Dozer, (1)Water Trucks, (1) Crane	(2) Man Lifts, (1)Excavators,(1) Off Road Dump Truck, (1)Loaders, (1)Dozer, (1)Water Trucks, (1) Crane	(1) Pile Driver, (1) Crane	44	36	52	44	22
				Phase 2	1		(2) Man Lifts, (1)Excavators,(1) Off Road Dump Truck, (1)Loaders, (1)Dozer, (1)Water Trucks		13	10	12	6	7
				Phase 1	1		(2) Man Lifts, (1)Excavators,(1) Off Road Dump Truck, (1)Loaders, (1)Dozer, (1)Water Trucks		18	14	16	8	9

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Phasing Color Coding	
Phase 1	
Phase 2	
Phase 3	
Phase 4	
Phase 5	
Phase 6	

Year	Project Year	Horizontal (Site Prep) or Vertical Duration (Building Const.)	Construction Phase Type	Project Sub Phase	Duration (Months)	Construction Equipment			Daily Construction Workers		Daily Construction Truck Trips		
						Full Time	1/2 Time	1/4 Time	Max Number of Workers	Avg. Number of Workers	Max Number of Truck Trips	Avg. Number of Truck Trips	Number of On Site Equipment
			Grading & Infrastructure	Phase 2	2		(2)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck	(1) Grader, (1) Dozer	24	18	12	6	12
		Building Construction	Foundation Piles/Structures/Rough-In	Phase 0	3	(1)Excavators, (1)Loaders,(1)Water Trucks, (1)Cranes, (1) Man Lift		(1) Cement Truck, (1) Pump Truck	18	14	16	8	9
			Interior and Exterior Finishes	Phase 0	2	(1)Loader, (1) Man Lift, (1) Sweeper, (1) Rough Terrain Fork Lift			10	8	8	4	5

2017	4	Site Preparation	Demolition	Phase 1 and 2	4	(2) Man Lifts, (1)Excavators,(1) Off Road Dump Truck, (1)Loaders, (1)Dozer, (1)Water Trucks, (1) Crane	(2) Man Lifts, (1)Excavators,(1) Off Road Dump Truck, (1)Loaders, (1)Dozer, (1)Water Trucks, (1) Crane		40	32	48	40	20
				Phase 1	1		(2) Man Lifts, (1)Excavators,(1) Off Road Dump Truck, (1)Loaders, (1)Dozer, (1)Water Trucks		18	14	16	8	9
			Grading & Infrastructure	Phase 1 and 2	3	(2)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck		(1) Grader, (1) Dozer	24	18	12	6	12
				Phase 2	2		(2)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck	(1) Grader, (1) Dozer	24	18	12	6	12
		Building Construction	Foundation Piles/Structures/Rough-In	2	(1)Excavators, (1)Loaders,(1)Water Trucks, (1)Cranes, (1) Man Lift		(1) Cement Truck, (1) Pump Truck	18	14	16	8	9	
			Interior and Exterior Finishes	2	(1)Loader, (1) Man Lift, (1) Sweeper, (1) Rough Terrain Fork Lift			10	8	8	4	5	

2018	5	Site Preparation	Demolition	Phase 1 and 2	4	(2) Man Lifts, (1)Excavators,(1) Off Road Dump Truck, (1)Loaders, (1)Dozer, (1)Water Trucks, (1) Crane	(2) Man Lifts, (1)Excavators,(1) Off Road Dump Truck, (1)Loaders, (1)Dozer, (1)Water Trucks, (1) Crane		40	32	48	40	20
				Phase 1	1		(2) Man Lifts, (1)Excavators,(1) Off Road Dump Truck, (1)Loaders, (1)Dozer, (1)Water Trucks		18	14	16	8	9
		Grading & Infrastructure	Phase 2	2		(2)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck	(1) Grader, (1) Dozer	24	18	12	6	12	

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Phasing Color Coding	
Phase 1	
Phase 2	
Phase 3	
Phase 4	
Phase 5	
Phase 6	

Year	Project Year	Horizontal (Site Prep) or Vertical Duration (Building Const.)	Construction Phase Type	Project Sub Phase	Duration (Months)	Construction Equipment			Daily Construction Workers		Daily Construction Truck Trips		
						Full Time	1/2 Time	1/4 Time	Max Number of Workers	Avg. Number of Workers	Max Number of Truck Trips	Avg. Number of Truck Trips	Number of On Site Equipment
		Building Construction	Interior and Exterior Finishes	Phase 0	2	(1)Loader, (1) Man Lift, (1) Sweeper, (1) Rough Terrain Fork Lift			10	8	8	4	5

2019	6	Site Preparation	Demolition	Phase 1 and 2	4	(2) Man Lifts, (1)Excavators,(1) Off Road Dump Truck, (1)Loaders, (1)Dozer, (1)Water Trucks, (1) Crane	(2) Man Lifts, (1)Excavators,(1) Off Road Dump Truck, (1)Loaders, (1)Dozer, (1)Water Trucks, (1) Crane		40	32	48	40	20
			Abatement	Phase 5	5	(2) Man Lifts, (1)Loader, (1) Rough Terrain Fork lift	(1) Water Truck		13	10	8	4	7
			Demolition		5	(1)Excavators, (1) Off Road Dump Truck, (1)Loaders, (1)Dozer, (1)Water Trucks			13	10	16	8	7

2020	7	Site Preparation	Demolition	Phase 5	5	(1)Excavators, (1) Off Road Dump Truck, (1)Loaders, (1)Dozer, (1)Water Trucks			13	10	16	8	7
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2021													
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2022		Site Preparation	Grading & Infrastructure	Phase 1 and 2	4	(1)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck	(1) Grader, (1) Dozers	24	18	12	6	12
				Phase 2	1	(1)Bottom-drive wick inserter, (1)Dozer, (1)Loader		16	12	10	5	8

2023		Site Preparation	Grading & Infrastructure	Phase 1	1	(1)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck	(1) Grader, (1) Dozers	24	18	12	6	12
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2024												
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2025		Site Preparation	Grading & Infrastructure	Phase 1	1		(1)Excavator, (1)Bobcat, (1) Compactor	(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	18	12	8	4	9
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Phasing Color Coding	
Phase 1	
Phase 2	
Phase 3	
Phase 4	
Phase 5	
Phase 6	

Year	Project Year	Horizontal (Site Prep) or Vertical Duration (Building Const.)	Construction Phase Type	Project Sub Phase	Duration (Months)	Construction Equipment			Daily Construction Workers		Daily Construction Truck Trips		
						Full Time	1/2 Time	1/4 Time	Max Number of Workers	Avg. Number of Workers	Max Number of Truck Trips	Avg. Number of Truck Trips	Number of On Site Equipment
2026		Site Preparation	Grading & Infrastructure	Phase 1	2	(1)Excavators, (1)Bobcat, (1)Compactors, (1)Water Truck		(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers, (1)Loaders	18	14	5	3	9
	2				(3)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck	(1) Excavator, (1) Loader, (1) Bobcat, (1) Compactor, (1) Water Truck, (1) Off Road Dump Truck	(2) Grader, (2) Asphalt Layer, (2) Soil stabilizer, (2) Roller, (2) Dozers	60	48	32	16	30	
	6				(1)Excavators, (1)Loaders, (1)Water Trucks, (1) Man Lift	(1) Cement Truck, (1) Pump Truck		16	12	16	8	8	
	8			Phase 3	(1)Excavators		(1) Pile Driver, (1)Cranes	8	4	6	3	4	
2027		Site Preparation	Grading & Infrastructure	Phase 1	5	(2)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck		(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	30	24	5	3	15
	2				(1)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck	(1)Excavator, (1)Bobcat, (1) Compactor	(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	30	24	5	3	15	
	4					(3)Excavators, (2)Loaders, (2)Bobcat, (2)Compactors, (2)Water Truck, (2) Off Road Dump Truck	(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	30	24	17	8	15	
	10			Phase 4	(1)Excavators		(1) Pile Driver, (1)Cranes	8	4	6	3	4	
2028		Site Preparation	Grading & Infrastructure	Phase 1	4	(2) Drill Rigs, (1)Bobcat		(1)Excavator	10	8	8	4	5
	9				(2) Drill Rigs, (1)Bobcat		(1)Excavator	10	8	8	4	5	
	2				(1)Excavators, (1)Loaders, (1)Bobcat, (1) Off Road Dump Truck	(1)Water Truck	(1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers, (1)Compactors,	25	20	8	4	13	
2029		Site Preparation	Grading & Infrastructure	Phase 2	6	(1)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck		(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	20	13	5	3	10
	3				(1)Excavators, (1)Loaders, (1)Bobcat, (1) Off Road Dump Truck	(1)Water Truck	(1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers, (1)Compactors,	25	20	8	4	13	
	2					(1)Excavator, (1)Bobcat, (1) Compactor	(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	18	12	8	4	9	
	5				(2)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck		(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	30	24	12	6	15	
		Building Construction	Foundation Piles/Structures/Rough-In	Phase 1	1	(1)Excavators, (1)Loaders, (1)Water Trucks, (1)Cranes, (1) Man Lift	(1) Cement Truck, (1) Pump Truck		18	14	16	8	9

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Phase 1	
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Year	Project Year	Horizontal (Site Prep) or Vertical Duration (Building Const.)	Construction Phase Type	Project Sub Phase	Duration (Months)	Construction Equipment			Daily Construction Workers		Daily Construction Truck Trips		
						Full Time	1/2 Time	1/4 Time	Max Number of Workers	Avg. Number of Workers	Max Number of Truck Trips	Avg. Number of Truck Trips	Number of On Site Equipment
2030		Site Preparation	Grading & Infrastructure	Phase 2	4	(1)Excavators, (1)Bobcat, (1)Compactors, (1)Water Truck		(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers, (1)Loaders	18	14	5	3	9
	10				(1)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck	(1)Excavator, (1)Bobcat, (1) Compactor	(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	30	24	8	4	15	
	11				(2) Drill Rigs, (1)Bobcat		(1)Excavator	10	8	8	4	5	
		Building Construction	Foundation Piles/Structures/Rough-In	Phase 1	11	(1)Excavators, (1)Loaders,(1)Water Trucks, (1)Cranes, (1) Man Lift	(1) Cement Truck, (1) Pump Truck	(1) Pile Driver	20	16	16	8	10

2031		Building Construction	Foundation Piles/Structures/Rough-In	Phase 1	3	(3)Excavators, (3)Loaders,(3)Water Trucks, (3)Cranes, (3) Man Lift	(3) Cement Truck, (3) Pump Truck	(2) Pile Driver	58	46	32	16	29
	3				(2)Excavators, (3)Loaders, (2)Water Trucks, (3)Cranes, (2) Man Lift	(2) Cement Truck, (2) Pump Truck	(5) Pile Driver	92	76	36	18	46	
	10		(2)Loader, (3) Man Lift, (2) Sweeper, (3) Rough Terrain Fork Lift				24	20	10	5	12		
		Site Preparation	Grading & Infrastructure	Phase 2	2	(1)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck		(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	20	14	5	3	10
	10				(2) Drill Rigs, (1)Bobcat		(1)Excavator	10	8	8	4	5	
	1				(1)Excavators, (1)Loaders, (1)Bobcat, (1) Off Road Dump Truck	(1)Water Truck	(1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers, (1)Compactors,	25	20	4	2	13	
	1				(1)Bottom-drive wick inserter, (1)Dozer, (1)Loader			16	12	10	5	8	
	2				(2)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck, (1) Man Lift, (1) Sweeper, (1) Rough Terrain Fork Lift		(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	40	32	24	12	20	
	5					(2)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck	(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	34	26	17	8	17	
	1				(1)Bottom-drive wick inserter, (1)Dozer, (1)Loader			16	12	10	5	8	
	2					(2) Man Lifts, (1)Excavators,(1) Off Road Dump Truck, (1)Loaders, (1)Dozer, (1)Water Trucks		16	12	14	8	8	

		Building Construction	Interior and Exterior Finishes	Phase 1	4	(2)Loader, (2) Man Lift, (2) Sweeper, (2) Rough Terrain Fork Lift			40	32	16	8	20
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Year	Project Year	Horizontal (Site Prep) or Vertical Duration (Building Const.)	Construction Phase Type	Project Sub Phase	Duration (Months)	Construction Equipment			Daily Construction Workers		Daily Construction Truck Trips		
						Full Time	1/2 Time	1/4 Time	Max Number of Workers	Avg. Number of Workers	Max Number of Truck Trips	Avg. Number of Truck Trips	Number of On Site Equipment
2032		Building Construction	Foundation Piles/Structures/Rough-In	Phase 1	10	(1)Excavators, (1)Loaders,(1)Water Trucks, (1)Cranes, (1) Man Lift	(1) Cement Truck, (1) Pump Truck	(1) Pile Driver	20	16	16	8	10
	Phase 2			8	(2) Drill Rigs, (1)Bobcat		(1)Excavator	10	8	8	4	5	
		Site Preparation	Grading & Infrastructure	Phase 3	8		(2)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck	(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	28	22	15	7	14
	4				(1)Excavators, (1)Loaders, (1)Bobcat, (1) Off Road Dump Truck	(1)Water Truck	(1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers, (1)Compactors,	25	20	4	2	13	

2033		Site Preparation	Grading & Infrastructure	Phase 3	11	(2) Drill Rigs, (1)Bobcat		(1)Excavator	10	8	8	4	5	
					2		(2) Man Lifts, (2)Excavators, (1)Loaders, (1)Bobcat, (1) Dozer, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck	(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	30	24	16	8	15	
			Abatement		1		(2) Man Lifts, (1)Excavators,(1) Off Road Dump Truck, (1)Loaders, (1)Dozer, (1)Water Trucks		18	14	16	8	9	
			Demolition		1		(1) Man Lifts, (1) Off Road Dump Truck, (1)Loaders, (1)Dozer, (1)Water Trucks		13	10	8	4	7	
		Building Construction	Foundation Piles/Structures/Rough-In		Phase 2	8	(1)Excavators, (1)Loaders,(1)Water Trucks, (1)Cranes, (1) Man Lift	(1) Cement Truck, (1) Pump Truck	(1) Pile Driver	40	32	16	8	20
					Phase 1	10	(1)Excavators, (1)Loaders,(1)Water Trucks, (1)Cranes, (1) Man Lift	(1) Cement Truck, (1) Pump Truck	(1) Pile Driver	40	32	16	8	20
					Interior and Exterior Finishes	2		(1)Loader, (1) Man Lift, (1) Sweeper, (1) Rough Terrain Fork Lift	(1) Water Truck	13	10	4	2	7

2034		Site Preparation	Grading & Infrastructure	Phase 4	11	(2) Drill Rigs, (1)Bobcat		(1)Excavator	10	8	8	4	5
				3	(2)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck	(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	32	24	15	5	16		
		Building Construction	Foundation Piles/Structures/Rough-In	Phase 1	3	(1)Excavators, (1)Loaders,(1)Water Trucks, (1)Cranes, (1) Man Lift	(1) Cement Truck, (1) Pump Truck	(1) Pile Driver	40	32	16	8	20
					Interior and Exterior Finishes	3	(2)Loader, (2) Man Lift, (2) Sweeper, (2) Rough Terrain Fork Lift		20	16	8	4	10
		Foundation	Phase 2	4	(2)Excavators, (4)Loaders, (2)Water Trucks, (4)Cranes, (2) Man Lift	(2) Cement Truck, (2) Pump Truck	(4) Pile Driver	92	76	36	18	46	



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Year	Project Year	Horizontal (Site Prep) or Vertical Duration (Building Const.)	Construction Phase Type	Project Sub Phase	Duration (Months)	Construction Equipment			Daily Construction Workers		Daily Construction Truck Trips		
						Full Time	1/2 Time	1/4 Time	Max Number of Workers	Avg. Number of Workers	Max Number of Truck Trips	Avg. Number of Truck Trips	Number of On Site Equipment
			Piles/Structures/Rough-In	Phase 2	8	(1)Excavators, (1)Loaders,(1)Water Trucks, (1)Cranes, (1) Man Lift	(1) Cement Truck, (1) Pump Truck	(1) Pile Driver	40	32	16	8	20
2035		Building Construction	Foundation Piles/Structures/Rough-In	Phase 2	10	(1)Excavators, (1)Loaders,(1)Water Trucks, (1)Cranes, (1) Man Lift	(1) Cement Truck, (1) Pump Truck	(1) Pile Driver	40	32	16	8	20
	Phase 3			4	(1)Excavators, (1)Loaders,(1)Water Trucks, (1)Cranes, (1) Man Lift	(1) Cement Truck, (1) Pump Truck	(1) Pile Driver	40	32	16	8	20	
	Interior and Exterior Finishes		Phase 1	3	(2)Loader, (2) Man Lift, (2) Sweeper, (2) Rough Terrain Fork Lift		20	16	8	4	10		
			Phase 2	5	(1)Loader, (2) Man Lift, (1) Sweeper, (2) Rough Terrain Fork Lift	(1) Water Truck	24	20	10	5	12		
	Site Preparation	Grading & Infrastructure	Phase 4	9		(2)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck	(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	34	26	17	8	17	
				2	(2)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck, (1) Man Lift, (1) Sweeper, (1) Rough Terrain Fork Lift	(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	40	32	24	12	20		
7				(1)Excavators, (1)Loaders, (1)Bobcat, (1) Off Road Dump Truck	(1)Water Truck	(1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers, (1)Compactors,	25	20	8	4	13		
2036	Site Preparation	Grading & Infrastructure	Phase 4	1	(1)Bottom-drive wick inserter, (1)Dozer, (1)Loader			16	12	10	5	8	
				2	(1)Excavators, (1)Loaders, (1)Bobcat, (1) Off Road Dump Truck	(1)Water Truck	(1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers, (1)Compactors,	25	20	4	2	13	
				4		(3)Excavators, (2)Loaders, (2)Bobcat, (2)Compactors, (2)Water Truck, (2) Off Road Dump Truck	(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	28	22	15	7	14	
				6	(2) Drill Rigs, (1)Bobcat		(1)Excavator	10	8	8	4	5	
	Building Construction	Foundation Piles/Structures/Rough-In	Phase 2	4	(1)Excavators, (1)Loaders,(1)Water Trucks, (1)Cranes, (1) Man Lift	(1) Cement Truck, (1) Pump Truck	(1) Pile Driver	40	32	16	8	20	
			Interior and Exterior Finishes	Phase 2	6	(2)Loader, (2) Man Lift, (2) Sweeper, (2) Rough Terrain Fork Lift		20	16	8	4	10	
	Site Preparation	Grading & Infrastructure	Phase 4	11	(2) Drill Rigs, (1)Bobcat		(1)Excavator	10	8	8	4	5	
		Demolition		6		(2) Man Lifts, (1)Excavators,(1) Off Road Dump Truck, (1)Loaders, (1)Dozer, (1)Water Trucks		16	13	10	6	8	

**Draft: CPHPSII Project: Construction Workers and Equipment for Candlestick Point Construction Phase**  
**(Revision Date 3/11/2024 based on Construction Schedule received 2/13/2024)**  
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Phasing Color Coding	
Phase 1	
Phase 2	
Phase 3	
Phase 4	
Phase 5	
Phase 6	

Year	Project Year	Horizontal (Site Prep) or Vertical Duration (Building Const.)	Construction Phase Type	Project Sub Phase	Duration (Months)	Construction Equipment			Daily Construction Workers		Daily Construction Truck Trips		
						Full Time	1/2 Time	1/4 Time	Max Number of Workers	Avg. Number of Workers	Max Number of Truck Trips	Avg. Number of Truck Trips	Number of On Site Equipment
2037		Building Construction	Foundation Piles/Structures/Rough-In	Phase 3	4	(1)Excavators, (1)Loaders,(1)Water Trucks, (1)Cranes, (1) Man Lift	(1) Cement Truck, (1) Pump Truck	(1) Pile Driver	40	32	16	8	20
			Interior and Exterior Finishes	Phase 1	3	(2)Loader, (2) Man Lift, (2) Sweeper, (2) Rough Terrain Fork Lift			20	16	8	4	10
			Interior and Exterior Finishes	Phase 2	7	(2)Loader, (2) Man Lift, (2) Sweeper, (2) Rough Terrain Fork Lift			40	32	16	8	20
			Interior and Exterior Finishes	Phase 2	5		(1)Loader, (1) Man Lift, (1) Sweeper, (1) Rough Terrain Fork Lift	(1) Water Truck	13	10	4	2	7

2038		Site Preparation	Grading & Infrastructure	Phase 5	6	(2)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck	(1)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck	(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	30	24	8	4	15
					6	(2)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck		(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	30	24	16	8	15
					1	(1)Excavators, (1)Loaders, (1)Bobcat, (1) Off Road Dump Truck	(1)Water Truck	(1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers, (1)Compactors,	25	20	4	2	13
		Building Construction	Foundation Piles/Structures/Rough-In	Phase 3	2	(1)Excavators, (1)Loaders,(1)Water Trucks, (1)Cranes, (1) Man Lift	(1) Cement Truck, (1) Pump Truck	(1) Pile Driver	40	32	16	8	20
			Interior and Exterior Finishes	Phase 1	6		(1)Loader, (1) Man Lift, (1) Sweeper, (1) Rough Terrain Fork Lift	(1) Water Truck	13	10	4	2	7
			Interior and Exterior Finishes	Phase 2	8	(1)Loader, (1) Man Lift, (1) Sweeper, (1) Rough Terrain Fork Lift		(1) Water Truck	13	10	4	2	7

2039		Roadways	Improvements	Phase 1	3	(2)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck		(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	30	24	12	8	12
		Building Construction	Interior and Exterior Finishes	Phase 2	7	(1)Loader, (1) Man Lift, (1) Sweeper, (1) Rough Terrain Fork Lift			16	8	8	4	8
			Foundation Piles/Structures/Rough-In	Phase 4	3	(1)Excavators, (1)Loaders,(1)Water Trucks, (1)Cranes, (1) Man Lift		(1) Cement Truck, (1) Pump Truck	18	14	16	8	9
			Foundation Piles/Structures/Rough-In		4	(2)Excavators, (2)Loaders,(2)Water Trucks, (2)Cranes, (2) Man Lift	(2) Cement Truck, (2) Pump Truck	(2) Pile Driver	40	32	16	8	20
		Site Preparation	Grading & Infrastructure	Phase 5	11	(2) Drill Rigs, (1)Bobcat		(1)Excavator	10	8	8	4	5
					1	(1)Excavators, (1)Loaders, (1)Bobcat, (1) Off Road Dump Truck	(1)Water Truck	(1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers, (1)Compactors,	25	20	4	2	13

**Draft: CPHPSII Project: Construction Workers and Equipment for Candlestick Point Construction Phase**  
**(Revision Date 3/11/2024 based on Construction Schedule received 2/13/2024)**  
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Phasing Color Coding	
Phase 1	
Phase 2	
Phase 3	
Phase 4	
Phase 5	
Phase 6	

Year	Project Year	Horizontal (Site Prep) or Vertical Duration (Building Const.)	Construction Phase Type	Project Sub Phase	Duration (Months)	Construction Equipment			Daily Construction Workers		Daily Construction Truck Trips		
						Full Time	1/2 Time	1/4 Time	Max Number of Workers	Avg. Number of Workers	Max Number of Truck Trips	Avg. Number of Truck Trips	Number of On Site Equipment

2040		Site Preparation	Grading & Infrastructure	Phase 5	5	(2)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck	(1)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck	(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	30	24	8	4	15
					7	(2) Drill Rigs, (1)Bobcat		(1)Excavator	10	8	8	4	5
		Building Construction	Interior and Exterior Finishes	Phase 3	3	(2)Loader, (2) Man Lift, (2) Sweeper, (2) Rough Terrain Fork Lift		(1) Water Truck	23	19	10	6	12
					7	(1)Loader, (1) Man Lift, (1) Sweeper, (1) Rough Terrain Fork Lift			10	8	8	4	5
		Foundation Piles/Structures/Rough-In	Phase 4	4	(2)Excavators, (2)Loaders,(2)Water Trucks, (2)Cranes, (2) Man Lift	(2) Cement Truck, (2) Pump Truck	(2) Pile Driver	40	32	16	8	20	

2041		Site Preparation	Grading & Infrastructure	Phase 6	3	(1)Excavators, (1)Loaders, (1)Bobcat, (1) Off Road Dump Truck	(1)Water Truck	(1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers, (1)Compactors,	25	20	4	2	13
					1	(1)Bottom-drive wick inserter, (1)Dozer, (1)Loader			16	12	10	5	8
					9	(2)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (2) Off Road Dump Truck		(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	33	26	16	8	17
		Building Construction	Interior and Exterior Finishes	Phase 3	2	(1)Loader, (1) Man Lift, (1) Sweeper, (1) Rough Terrain Fork Lift			20	16	8	4	10

2042		Site Preparation	Grading & Infrastructure	Phase 6	4	(1)Bottom-drive wick inserter, (1)Dozer, (1)Loader			16	12	10	5	8
					11	(2) Drill Rigs, (1)Bobcat		(1)Excavator	10	8	8	4	5
					6	(2)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (2) Off Road Dump Truck		(2) Grader, (2) Asphalt Layer, (2) Soil stabilizer, (2) Roller, (2) Dozers	30	22	15	7	15
		Building Construction	Interior and Exterior Finishes	Phase 3	2	(1)Loader, (1) Man Lift, (1) Sweeper, (1) Rough Terrain Fork Lift			20	16	8	4	10
					2		(1)Loader, (1) Man Lift, (1) Sweeper, (1) Rough Terrain Fork Lift	(1) Water Truck	13	10	4	2	7
				Phase 4	5		(1)Loader, (1) Man Lift, (1) Sweeper, (1) Rough Terrain Fork Lift	(1) Water Truck	13	10	4	2	7
					8	(3)Loader, (3) Man Lift, (3) Sweeper, (3) Rough Terrain Fork Lift			20	16	8	4	10

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Phasing Color Coding	
Phase 1	
Phase 2	
Phase 3	
Phase 4	
Phase 5	
Phase 6	

Year	Project Year	Horizontal (Site Prep) or Vertical Duration (Building Const.)	Construction Phase Type	Project Sub Phase	Duration (Months)	Construction Equipment			Daily Construction Workers		Daily Construction Truck Trips		
						Full Time	1/2 Time	1/4 Time	Max Number of Workers	Avg. Number of Workers	Max Number of Truck Trips	Avg. Number of Truck Trips	Number of On Site Equipment
		Roadways	Improvements	Phase 2	5	(2)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck		(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	30	24	12	8	12
				Phase 5	8	(2)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck		(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	30	24	12	8	12

2043		Site Preparation	Grading & Infrastructure	Phase 6	11	(2) Drill Rigs, (1)Bobcat		(1)Excavator	10	8	8	4	5
					11	(2)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (2) Off Road Dump Truck		(2) Grader, (2) Asphalt Layer, (2) Soil stabilizer, (2) Roller, (2) Dozers, (1) Compactor	30	22	15	7	15
		Building Construction	Interior and Exterior Finishes	Phase 3	2	(2)Loader, (2) Man Lift, (2) Sweeper, (2) Rough Terrain Fork Lift			23	19	10	6	12

2044		Site Preparation	Grading & Infrastructure	Phase 6	11	(4) Drill Rigs, (2)Bobcat		(2)Excavator	20	10	16	8	10
					1		(1)Excavator, (1)Loader, (1)Bobcat, (1)Water Truck, (1) Off Road Dump Truck		(1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers, (1)Compactors,	25	20	4	2
		Building Construction	Foundation Piles/Structures/Rough-In	Phase 5	3	(1)Excavators, (1)Loaders,(1)Water Trucks, (1)Cranes, (1) Man Lift		(1) Cement Truck, (1) Pump Truck	18	14	16	8	9

2045		Site Preparation	Grading & Infrastructure	Phase 6	10	(2)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (2) Off Road Dump Truck		(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	28	22	15	7	14	
					8	(1)Excavators, (1)Loaders, (1)Bobcat, (1) Off Road Dump Truck	(1)Water Truck	(1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers, (1)Compactors,	25	20	8	4	13	
					5	(1)Excavators, (1)Loaders, (1)Bobcat, (1) Off Road Dump Truck	(2)Water Truck	(2) Asphalt Layer, (2) Soil stabilizer, (2) Roller, (2) Dozers, (2)Compactors,	25	20	4	2	13	
					1	(1)Bottom-drive wick inserter, (1)Dozer, (1)Loader			16	12	10	5	8	
					3		(1) Man Lifts, (1)Excavators,(1) Off Road Dump Truck, (1)Loaders, (1)Dozer, (1)Water Trucks		18	14	16	8	9	
			Building Construction	Foundation Piles/Structures/Rough-In	Phase 5	11	(1)Excavators, (1)Loaders,(1)Water Trucks, (1)Cranes, (1) Man Lift	(1)Excavators, (1)Loaders,(1)Water Trucks, (1)Cranes, (1) Man Lift	(1) Cement Truck, (1) Pump Truck	24	18	16	8	12
				Interior and Exterior Finishes	Phase 4	5	(2)Loader, (2) Man Lift, (2) Sweeper, (2) Rough Terrain Fork Lift			40	32	16	8	20

					11	(2) Drill Rigs, (1)Bobcat		(1)Excavator	10	8	8	4	5
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**Draft: CPHPSII Project: Construction Workers and Equipment for Candlestick Point Construction Phase**  
**(Revision Date 3/11/2024 based on Construction Schedule received 2/13/2024)**  
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Phasing Color Coding	
Phase 1	
Phase 2	
Phase 3	
Phase 4	
Phase 5	
Phase 6	

Year	Project Year	Horizontal (Site Prep) or Vertical Duration (Building Const.)	Construction Phase Type	Project Sub Phase	Duration (Months)	Construction Equipment			Daily Construction Workers		Daily Construction Truck Trips			
						Full Time	1/2 Time	1/4 Time	Max Number of Workers	Avg. Number of Workers	Max Number of Truck Trips	Avg. Number of Truck Trips	Number of On Site Equipment	
2046		Site Preparation	Grading & Infrastructure	Phase 6	7	(2)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (2) Off Road Dump Truck		(2) Grader, (2) Asphalt Layer, (2) Soil stabilizer, (2) Roller, (2) Dozers	33	26	16	8	17	
			Demolition		4		(1) Man Lifts, (1)Excavators,(1) Off Road Dump Truck, (1)Loaders, (1)Dozer, (1)Water Trucks			18	14	16	8	9
					6		(1)Excavators,(1) Off Road Dump Truck, (1)Loaders, (1)Dozer, (1)Water Trucks			13	10	16	8	7
		Building Construction	Interior and Exterior Finishes	Phase 4	4	(2)Loader, (2) Man Lift, (2) Sweeper, (2) Rough Terrain Fork Lift			40	32	16	8	20	
2047		Site Preparation	Demolition	Phase 6	2		(1)Excavators,(1) Off Road Dump Truck, (1)Loaders, (1)Dozer, (1)Water Trucks		18	14	16	8	9	
			Interior and Exterior Finishes	Phase 4	4	(2)Loader, (2) Man Lift, (2) Sweeper, (2) Rough Terrain Fork Lift			40	32	16	8	20	
2048		Building Construction	Interior and Exterior Finishes	Phase 4	8	(1)Loader, (1) Man Lift, (1) Sweeper, (1) Rough Terrain Fork Lift	(1) Water Truck		13	10	8	4	7	
				Phase 5	6	(1)Loader, (1) Man Lift, (1) Sweeper, (1) Rough Terrain Fork Lift			20	16	16	8	10	
					3		(1)Loader, (1) Man Lift, (1) Sweeper, (1) Rough Terrain Fork Lift	(1) Water Truck		13	10	4	2	7
		Roadways	Improvements	Phase 4	5	(2)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck		(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	30	24	12	8	12	
2049		Building Construction	Interior and Exterior Finishes	Phase 5	12	(2)Loader, (2) Man Lift, (2) Sweeper, (2) Rough Terrain Fork Lift			20	16	16	8	10	
			Foundation Piles/Structures/Rough-In	Phase 6	11	(1)Excavators, (1)Loaders,(1)Water Trucks, (1)Cranes, (1) Man Lift	(1) Cement Truck, (1) Pump Truck	(1) Pile Driver	40	32	16	8	20	
2050		Roadways	Improvements	Phase 5	9	(1)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck		(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	28	22	12	8	14	

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Phasing Color Coding	
Phase 1	
Phase 2	
Phase 3	
Phase 4	
Phase 5	
Phase 6	

Year	Project Year	Horizontal (Site Prep) or Vertical Duration (Building Const.)	Construction Phase Type	Project Sub Phase	Duration (Months)	Construction Equipment			Daily Construction Workers		Daily Construction Truck Trips		
						Full Time	1/2 Time	1/4 Time	Max Number of Workers	Avg. Number of Workers	Max Number of Truck Trips	Avg. Number of Truck Trips	Number of On Site Equipment
2051		Roadways	Improvements	Phase 5	9	(1)Excavators, (1)Loaders, (1)Bobcat, (1)Compactors, (1)Water Truck, (1) Off Road Dump Truck		(1) Grader, (1) Asphalt Layer, (1) Soil stabilizer, (1) Roller, (1) Dozers	28	22	12	8	14
2052		Building Construction	Foundation Piles/Structures/Rough-In	Phase 6	4	(1)Excavators, (1)Loaders,(1)Water Trucks, (1)Cranes, (1) Man Lift	(1) Cement Truck, (1) Pump Truck	(1) Pile Driver	20	16	8	4	10
2053		Building Construction	Interior and Exterior Finishes	Phase 6	7		(1)Loader, (1) Man Lift, (1) Sweeper, (1) Rough Terrain Fork Lift	(1) Water Truck	13	10	4	2	7
2054		Building Construction	Interior and Exterior Finishes	Phase 6	6	(2)Loader, (2) Man Lift, (2) Sweeper, (2) Rough Terrain Fork Lift			20	16	8	4	10
2055		Building Construction	Interior and Exterior Finishes	Phase 6	4		(1)Loader, (1) Man Lift, (1) Sweeper, (1) Rough Terrain Fork Lift	(1) Water Truck	13	10	8	4	7
2056		Building Construction	Interior and Exterior Finishes	Phase 6	8		(1)Loader, (1) Man Lift, (1) Sweeper, (1) Rough Terrain Fork Lift	(1) Water Truck	13	10	8	4	7
2057		Building Construction	Interior and Exterior Finishes	Phase 6	8	(1)Loader, (1) Man Lift, (1) Sweeper, (1) Rough Terrain Fork Lift			20	16	16	8	10
2058		Building Construction	Interior and Exterior Finishes	Phase 6	3		(1)Loader, (1) Man Lift, (1) Sweeper, (1) Rough Terrain Fork Lift	(1) Water Truck	13	10	8	4	7



<i>Field Management 2047</i>	12	15	12	8	4	10	(2)Onsite Field Trucks, Backup Equipment (see note 2); (1)Loaders, (1)Haul Trucks, (1)Water Trucks, (1) Man Lift
<i>Field Management 2048</i>	12	15	12	8	4	10	(2)Onsite Field Trucks, Backup Equipment (see note 2); (1)Loaders, (1)Haul Trucks, (1)Water Trucks, (1) Man Lift
<i>Field Management 2049</i>	12	15	12	8	4	10	(2)Onsite Field Trucks, Backup Equipment (see note 2); (1)Loaders, (1)Haul Trucks, (1)Water Trucks, (1) Man Lift
<i>Field Management 2050</i>	12	15	12	8	4	10	(2)Onsite Field Trucks, Backup Equipment (see note 2); (1)Loaders, (1)Haul Trucks, (1)Water Trucks, (1) Man Lift
<i>Field Management 2051</i>	12	15	12	8	4	10	(2)Onsite Field Trucks, Backup Equipment (see note 2); (1)Loaders, (1)Haul Trucks, (1)Water Trucks, (1) Man Lift
<i>Field Management 2052</i>	12	15	12	8	4	10	(2)Onsite Field Trucks, Backup Equipment (see note 2); (1)Loaders, (1)Haul Trucks, (1)Water Trucks, (1) Man Lift
<i>Field Management 2053</i>	12	15	12	8	4	10	(2)Onsite Field Trucks, Backup Equipment (see note 2); (1)Loaders, (1)Haul Trucks, (1)Water Trucks, (1) Man Lift
<i>Field Management 2054</i>	12	15	12	8	4	10	(2)Onsite Field Trucks, Backup Equipment (see note 2); (1)Loaders, (1)Haul Trucks, (1)Water Trucks, (1) Man Lift
<i>Field Management 2055</i>	12	15	12	8	4	10	(2)Onsite Field Trucks, Backup Equipment (see note 2); (1)Loaders, (1)Haul Trucks, (1)Water Trucks, (1) Man Lift
<i>Field Management 2056</i>	12	15	12	8	4	10	(2)Onsite Field Trucks, Backup Equipment (see note 2); (1)Loaders, (1)Haul Trucks, (1)Water Trucks, (1) Man Lift
<i>Field Management 2057</i>	12	3	2	2	0	1	(1)Onsite Field Trucks
<i>Field Management 2058</i>	12	3	2	2	0	1	(1)Onsite Field Trucks

**Note:**

1. Number of truck trips making deliveries, and number of truck trips required for materials removal, see assumptions for trip details.
2. Back up equipment is kept onsite to minimize downtime if a piece of equipment breaks down and needs replacement. Typically this equipment will not be used on a day to day basis.
3. It should be assumed that all Man Lifts referenced in the "Construction Equipment" columns will be propane or electric powered.
4. Hunters Point and Candlestick Point will each utilize a new dedicated crushing plant located near the Bay. The crushing plants will be comprised of 1 loader, 1 hammer, 1 screener, 1 crusher and an adjacent batch plant. Each crushing plant will operate ½ time.  
(2) = Number of pieces of specified equipment.

**Assumptions**

Max. number of round trips to 8 total trips

Each truck will be able to carry 20 tons of material

Personal vehicle trips to and from the construction site were not included in the truck trip calculations and are estimated to be 1 trip for every 2 workers as incentives will be offered for use of mass transit and car/van pooling.

Import fill will be brought onto the site through two primary modes; Trucks (60%) and Barge (40%).

Quantities do not account for concurrent remediation work occurring at Hunters Point Shipyard.



**CPHPSII Project - Construction Workers and Equipment for Field Management by Year (Revision Date: 4/9/2024)**

<b>Table ## Project Construction Employment</b>								
<b>Year</b>	<b>2024 Rev Candlestick Point</b>		<b>HPS2 (from Addendum 6)</b>		<b>Field Management</b>		<b>2024 Combined</b>	
	<b>Max. Number of Daily Workers</b>	<b>Avg. Number of Daily Workers</b>	<b>Max. Number of Daily Workers</b>	<b>Avg. Number of Daily Workers</b>	<b>Max. Number of Daily Workers</b>	<b>Avg. Number of Daily Workers</b>	<b>Max. Number of Daily Workers</b>	<b>Avg. Number of Daily Workers</b>
2014	43	34	0	0	15	12	58	46
2015	58	46	0	0	15	12	73	58
2016	140	110	0	0	15	12	155	122
2017	134	104	0	0	15	12	149	116
2018	92	72	0	0	15	12	107	84
2019	40	32	0	0	15	12	55	44
2020	0	0	0	0	3	2	3	2
2021	0	0	0	0	3	2	3	2
2022	40	30	0	0	3	2	43	32
2023	24	18	0	0	3	2	27	20
2024	0	0	0	0	3	2	3	2
2025	18	12	0	0	3	2	21	14
2026	102	78	0	0	3	2	105	80
2027	98	46	221	174	15	12	334	232
2028	45	36	321	253	15	12	381	301
2029	111	83	334	264	15	12	460	359
2030	78	62	437	341	15	12	530	415
2031	351	278	617	483	15	12	983	773
2032	123	98	440	349	15	12	578	459
2033	164	130	340	268	15	12	519	410
2034	234	188	123	98	15	12	372	298
2035	223	178	160	128	15	12	398	318
2036	139	110	130	104	15	12	284	226
2037	139	111	123	98	15	12	277	221
2038	151	120	156	124	15	12	322	256
2039	139	106	146	116	15	12	300	234
2040	113	91	93	74	15	12	221	177
2041	94	74	33	26	15	12	142	112
2042	182	142	15	12	15	12	212	166
2043	63	49			15	12	78	61
2044	63	52			15	12	78	64
2045	176	44			15	12	191	56
2046	114	90			15	12	129	102
2047	58	46			15	12	73	58
2048	76	60			15	12	91	72

2049	60	48			15	12	75	60
2050	28	22			15	12	43	34
2051	28	22			15	12	43	34
2052	20	16			15	12	35	28
2053	13	10			15	12	28	22
2054	20	16			15	12	35	28
2055	13	10			15	12	28	22
2056	13	10			15	12	28	22
2057	20	16			3	2	23	18
2058	13	10			3	2	16	12
<b>TOTALS:</b>	<b>3853</b>	<b>2910</b>	<b>3468</b>	<b>2912</b>	<b>567</b>	<b>450</b>	<b>8109</b>	<b>6272</b>

SOURCE: TRC, 2019

a. Number of daily workers includes on-site construction, off-site roadway improvements, and shoreline improvements.

# CPHPSII Project - Construction Truck Trips by Year (Revision Date: 4/9/2024)

Table ## Project Construction Truck Trips

Year	2024 Rev Candlestick Point		Field Management		2024 Combined	
	Max. Number of Daily Truck Trips	Avg. Number of Daily Truck Trips	Max. Number of Daily Truck Trips	Avg. Number of Daily Truck Trips	Max. Number of Daily Truck Trips	Avg. Number of Daily Truck Trips
2014	24	12	8	4	32	16
2015	40	20	8	4	48	24
2016	140	92	8	4	148	96
2017	112	72	8	4	120	76
2018	84	58	8	4	92	62
2019	48	40	8	4	56	44
2020	0	0	2	0	2	0
2021	0	0	2	0	2	0
2022	22	11	2	0	24	11
2023	12	6	2	0	14	6
2024	0	0	2	0	2	0
2025	8	4	2	0	10	4
2026	28	14	2	0	30	14
2027	33	17	8	4	41	21
2028	24	12	8	4	32	16
2029	49	25	8	4	57	29
2030	37	19	8	4	45	23
2031	170	86	8	4	178	90
2032	59	29	8	4	67	33
2033	84	42	8	4	92	46
2034	99	47	8	4	107	51
2035	99	49	8	4	107	53
2036	61	30	8	4	69	34
2037	62	32	8	4	70	36
2038	52	26	8	4	60	30
2039	64	34	8	4	72	38

2040	50	26	8	4	58	30
2041	38	19	8	4	46	23
2042	81	44	8	4	89	48
2043	33	17	8	4	41	21
2044	36	18	8	4	44	22
2045	85	42	8	4	93	46
2046	72	36	8	4	80	40
2047	32	16	8	4	40	20
2048	40	22	8	4	48	26
2049	32	16	8	4	40	20
2050	12	8	8	4	20	12
2051	12	8	8	4	20	12
2052	8	4	8	4	16	8
2053	4	2	8	4	12	6
2054	8	4	8	4	16	8
2055	8	4	8	4	16	8
2056	8	4	8	4	16	8
2057	16	8	2	0	18	8
2058	8	4	2	0	10	4

<b>TOTALS:</b>	<b>1994</b>	<b>1079</b>	<b>306</b>	<b>144</b>	<b>2300</b>	<b>1223</b>
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SOURCE: TRC, 2019

a. Truck trips includes on-site construction, off-site roadway improvements, and shoreline improvements.

	ALICE GRIFFITH	OUTFIELD + CP-04	INFIELD + CP-03	CP-EAST	CP-SOUTH	AG2	CP NORTH
PHASE	0	1	2	3	4	5	6
<b>HORIZONTAL construction ~22 years</b>	<b>COMPLETE</b>						
Land Development Start Date:		10/1/2025	10/31/2028	11/30/2031	12/29/2033	1/27/2038	2/25/2041
Land Development End Date:		9/30/2028	10/31/2031	11/29/2033	12/28/2037	1/26/2041	2/24/2047
Date of First Land Sale:		10/30/2028	12/2/2031	12/31/2033	1/29/2038	2/27/2041	3/28/2047
DURATION IN DAYS		1095	1095	730	1460	1095	2190
DURATION IN YEARS		3	3	2	4	3	6

<b>Vertical construction ~ 28 years</b>		1	2	3	4	5	6	TOTAL
START first block		10/30/2029	12/1/2032	12/31/2034	1/29/2039	2/27/2042	3/27/2048	
END last block		10/28/2039	11/29/2042	12/28/2044	1/26/2049	2/25/2052	3/25/2058	
Total Residential Units	<b>337</b>	<b>643</b>	<b>848</b>	<b>530</b>	<b>1,683</b>	<b>908</b>	<b>2,269</b>	<b>7,218</b>
ESTIMATED YEARS		10	10	10	10	10	10	
Total Commercial GSF		<b>1,313,332</b>	<b>1,634,475</b>	<b>80,000</b>	<b>319,900</b>	<b>0</b>	<b>5,793</b>	<b>3,353,500</b>

PARKS - CP Development Co			Willie Mays Plaza (1&2A) (Formerly Wedge Plaza)	Mini Wedge Park	Bayview Hillside Open Space & Jamestown Walker Slope	Alice Griffith Neighborhood Park (1&2)	CP Neighborhood Park, Willie Mays 2B & 3
CPSRA					Wind Meadow		Grasslands South 1 & 2
					Heart of the Park		Bayview Gardens
					The Point		Last Rubble

### 2019 Major Phase 1

Infrastructure  
20 residential blocks  
CP-02 entirety

### 2024 Major Phase 1

Infrastructure  
7 residential blocks  
CP-02 outfield only

Last approved Schedule of performance shows total 20 year horizon for infrastructure

**2019 schedule showed:**

**START 2013**

**COMPLETE 2033 "outside date"**

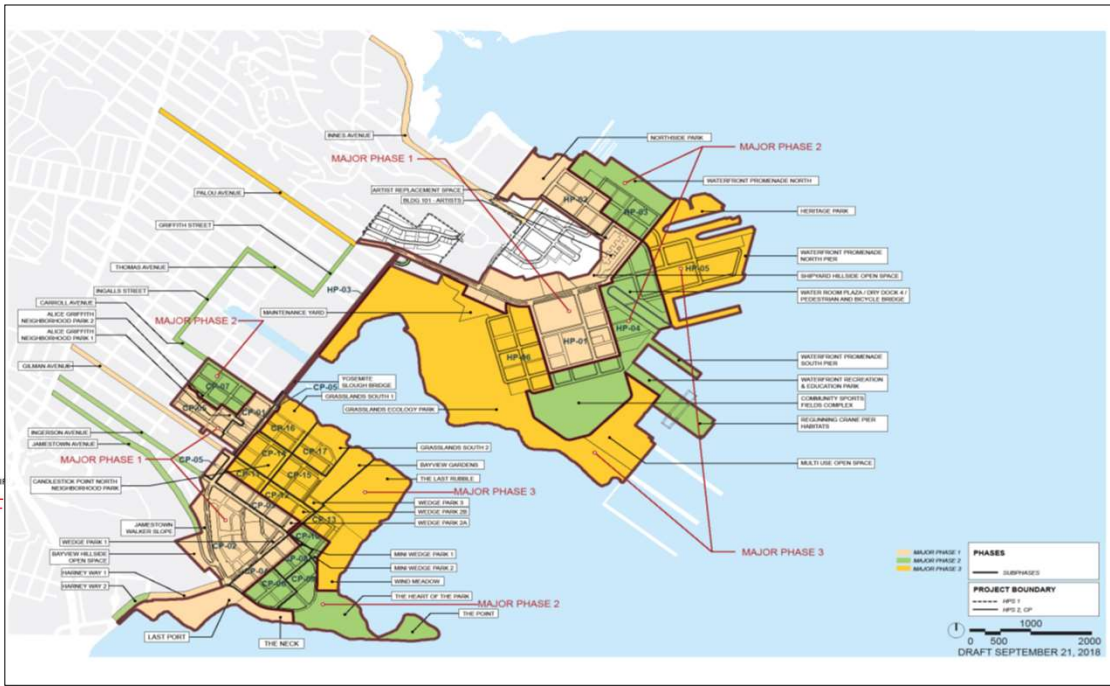
NOTE SOP is not for vertical build - we have no schedule of performance for that

2024	2019
Phase 0	CP-01
Phase 1	1/2 CP-02
	CP-04
	1/4 CP-05
Phase 2	1/2 CP-08
	2/3 CP-02
Phase 3	CP-03
	CP-10
Phase 4	CP-13
	CP-06
Phase 5	1/2 CP-08
	CP-09
Phase 6	CP-11
	CP-12
	CP-13
	CP-14
	CP-15
	CP-16
	CP-17



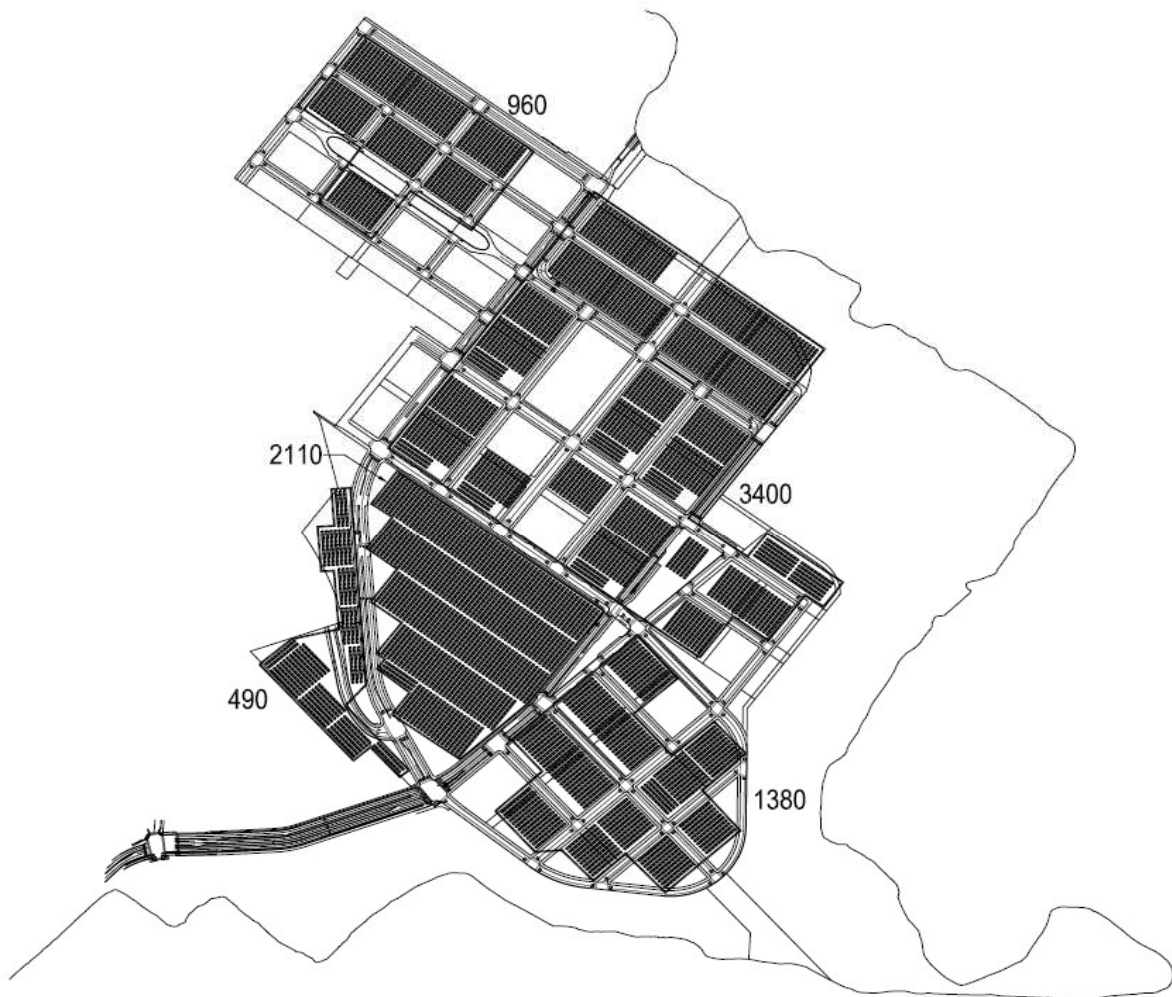
GROUND IMPROVEMENTS SEQUENCING W/ NAPOTS

Scale: 1" = 750'  
12/06/23



2024 Phase + streets: Candlestick	2024 Block/Park	2024 Proposed LU	2019 Major Phase	2019 Subphase	2019 Proposed LU (studied in 2019 addendum)
<b>1. Outfield &amp; Harney</b>	CP-02 (Outfield)	1.3M square feet R&D	MP1	CP-02-03-04	1M sq. feet office
Harney Way to Ingerson	CP-04	no change	MP1	CP-02-03-04	residential/ground flr retail
West Harney to Ingerson	CPS 6b	no change	MP2	CP-08	residential
Walker Dr to Gilman	AG 6	no change	MP1	CP-05	residential
side streets one block south of Harney	AG 7	no change	MP1	CP-05	residential
Candlestick Park Dr 2 blocks					
Carmen Policy @ CP Center					
Ingerson (sewer force main only)					
Outfall #2 & 4					
<b>2. Infield &amp; Ingerson</b>	CP-02 (Infield)	1.5m sq.ft R&D	MP1	CP-02-03-04	~2M sq.ft. residential, hotel, movie theater, retail
Ingerson	CP-03	no change	MP1	CP-02-03-04	residential/ground flr retail
Montana Clark @ CP Center	Willie Mays Park 1	no change	MP1	CP-02-03-04	park
DeBartolo Way	Willie Mays Park 2A	no change	MP1	CP-02-03-04	park
Side streets one block north of Ingerson		no change	MP1	CP-02-03-04	park
<b>3. CP East</b>	CPS 4A/4B/5	no change	MP2	CP-10	residential
Walsh St	Mini Wedge Park 1 & 2	no change	MP1	CP-02-03-04	park
Lot Ln	CPS 1/2A/2B/3	no change	MP3	CP-13	residential
Hollister Ave					
Gilman Ave					
<b>4. CP South</b>	CPS 9B/10A/10B/11B	no change	MP2	CP-06	residential
Candlestick Park Dr	CPS 8B	no change	MP2	CP-08	residential
Cepeda Lane	CPS 7A/7B/12A/12B	no change	MP2	CP-09	residential
Walsh St	Jamestown Walker Slope/Bayview Hillside OS				
Marichal Lane					
Montana Clark	CPSRA:				
Carmen Policy	Wind Meadow				
Rice Rd	Heart of the Park				
Outfall#3	The Point				
<b>5. Alice Griffith 2</b>	AG 9/13/14/15/16	no change	MP2	CP-05	residential
Donner Ave	AG 11/12/17/18/19/20	no change	MP2	CP-07	residential
Egbert Ave	Alice Griffith Neighborhood Park (1&2)	no change	MP2	CP-07	park
Fitzgerald Ave					
Neal St					
Griffith St					
<b>6. CP North</b>	CPN 1B/2B	no change	MP3	CP-11	residential
Walker Dr	CPN 10/11B	no change	MP3	CP-12	residential
Donner Ave	CPN 3A/3B	no change	MP3	CP-14	residential
Egbert Ave	CP North Park	no change	MP3	CP-14	park
Gilman Ave	CPN 8A/8B/9A/9B	no change	MP3	CP-15	residential
West Harney	CPN 4A/4B/5A/5B	no change	MP3	CP-16	residential
Smith Sr St	CPN 6A/6B/7A/7B	no change	MP3	CP-17	residential
Earl St	Willie Mays 2B & 3	no change			park
Dixon St					
Outfall#1	CPSRA:				
Offsites final condition	Grasslands South 1 & 2				
	Bayview Gardens				
	Last Rubble				

Drawn by: J. S. Kim, EITP, 10/11/2018, 10:00 AM, 10/11/2018, 10:00 AM  
 Project: 10/11/2018, 10:00 AM, 10/11/2018, 10:00 AM



**1 MECHANICAL GEOTHERMAL PLAN - (OVERALL) (8340 BORES)**

NOT FOR CONSTRUCTION - REVISION - DATE



REVISION	DATE

CANDLESTICK PARK

NO.	DESCRIPTION	DATE

0000  
 0000  
 0000  
 0000  
 0000  
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**X.101**

10/11/2018