

Capacity Pipe Detailed Cost Estimates

ADOBE CREEK DRAINAGE AREA DETAILED COST ESTIMATE

Project	Pipe Id	Length (ft)	Diameter (in)	Pipe Unit Cost	Pipe Cost	MHs	MH Cost	Total	Outfalls	Project Cost
Catalina Ct	C2D-301_B2D-618	68.8	24	\$365	\$25,097	1	\$13,515	\$38,612		
Catalina Ct	C2D-314_C2P-312	104.9	18	\$280	\$29,380	1	\$13,260	\$42,640		
Catalina Ct	C2C-315_C2D-314	243.5	18	\$280	\$68,188	1	\$13,260	\$81,448		
Catalina Ct	C2D-303_C2D-301	196.2	24	\$365	\$71,628	1	\$13,515	\$85,143		
Catalina Ct	C2D-304_C2D-303	329.9	18	\$280	\$92,375	1	\$13,260	\$105,635		
Catalina Ct	C2P-312_C2D-304	464.7	18	\$280	\$130,127	2	\$26,520	\$156,647		
		1408			\$416,796	7	\$93,330	\$510,126		\$510,000
Loucks	B2D-104_B2F-101	529.5	48	\$590	\$312,405	1	\$14,185	\$326,590		
Loucks	B2D-107_B2D-104	108.8	48	\$590	\$64,163	1	\$14,185	\$78,348		
Loucks	B2D-108_B2D-107	284.0	48	\$590	\$167,560	1	\$14,185	\$181,745		
Loucks	B2D-402_B2D-108	204.6	48	\$590	\$120,720	1	\$14,185	\$134,905		
Loucks	B2D-403_B2D-402	281.0	48	\$590	\$165,766	1	\$14,185	\$179,951		
Loucks	B2F-101_B1D-308	449.1	48	\$590	\$264,969	1	\$14,185	\$279,154		
Loucks	B2F-105_B2D-104	66.2	18	\$280	\$18,533	2	\$26,520	\$45,053		
		1923				8		\$1,225,746		\$1,230,000
Lyell	F2D-505_F2D-506	56.8	18	\$280	\$15,896	1	\$13,260	\$29,156		
Lyell	F2D-506_F2D-502	362.1	21	\$335	\$121,310	1	\$13,435	\$134,745		
Lyell	F2D-509_F2D-506	117.3	18	\$280	\$32,844	2	\$26,520	\$59,364		
		536				4		\$223,265		\$220,000
Palm	F2F-519_F2F-518	39.9	24	\$365	\$14,545	1	\$13,515	\$28,060		
Palm	F2F-520_F2F-519	43.4	24	\$365	\$15,837	1	\$13,515	\$29,352		
Palm	F2F-525_F2F-520	143.4	24	\$365	\$52,341	1	\$13,515	\$65,856		
Palm	G2D-204_F2F-525	493.8	24	\$365	\$180,248	2	\$27,030	\$207,278		

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		720				5		\$330,547		\$330,000
Pine	C2C-505_C2D-504	148.3	18	\$280	\$41,518	1	\$13,260	\$54,778		
Pine	C2D-501_C2D-404	255.6	24	\$365	\$93,276	1	\$13,515	\$106,791		
Pine	C2D-502_C2D-501	218.2	18	\$280	\$61,107	1	\$13,260	\$74,367		
Pine	C2D-504_C2D-501	185.4	18	\$280	\$51,904	2	\$26,520	\$78,424		
		807				5		\$314,360		\$310,000
Van Buren	B1D-611_B1D-608	239.7	18	\$280	\$67,124	1	\$13,260	\$80,384		
Van Buren	C1D-202_C1D-301	284.7	18	\$280	\$79,702	1	\$13,260	\$92,962		
Van Buren	C1D-301_C1F-302	328.7	18	\$280	\$92,036	1	\$13,260	\$105,296		
Van Buren	C1F-302_B1D-611	250.2	18	\$280	\$70,048	2	\$26,520	\$96,568		
		1103				5		\$375,210		\$380,000
Shasta										\$450,000
									Total:	\$3,430,000

Capacity Pipe Detailed Cost Estimates

HALE CREEK DRAINAGE AREA DETAILED COST ESTIMATE

Project	Pipe Id	Length (ft)	Diameter (in)	Pipe Unit Cost	Pipe Cost	MHs	MH Cost	Total	Outfalls	Project Cost
Berry	I4D-103_I4O-102	38.8	36	\$475	\$18,440	1	\$13,850	\$32,290		
Berry	I4D-106_I4D-103	125.1	36	\$475	\$59,432	1	\$13,850	\$73,282		
Berry	I4D-107_I4D-106	24.7	36	\$475	\$11,752	1	\$13,850	\$25,602		
Berry	I4D-110_I4D-107	298.1	36	\$475	\$141,574	1	\$13,850	\$155,424		
Berry	I4D-115_I4D-110	323.3	36	\$475	\$153,563	1	\$13,850	\$167,413		
Berry	I4D-214_I4D-116	500.0	36	\$475	\$237,519	1	\$13,850	\$251,369		
Berry	I4D-116_I4D-115	165.7	36	\$475	\$78,693	1	\$13,850	\$92,543		
Berry	I4D-210_I4D-212	189.5	36	\$475	\$90,013	1	\$13,850	\$103,863		
Berry	I4D-212_I4D-214	420.5	36	\$475	\$199,752	1	\$13,850	\$213,602		
Berry	I4D-315_I4D-210	281.2	36	\$475	\$133,551	1	\$13,850	\$147,401		
Berry	I4D-318_I4F-317	112.5	30	\$420	\$47,229	1	\$13,680	\$60,909		
Berry	I4D-602_I4D-318	451.4	30	\$420	\$189,567	1	\$13,680	\$203,247		
Berry	I4D-603_I4D-602	13.6	30	\$420	\$5,691	1	\$13,680	\$19,371		
Berry	I4D-606_I4D-603	149.7	30	\$420	\$62,887	1	\$13,680	\$76,567		
Berry	I4D-608_I4D-606	40.0	30	\$420	\$16,796	1	\$13,680	\$30,476		
Berry	I4D-609_I4D-608	93.5	30	\$420	\$39,249	1	\$13,680	\$52,929		
Berry	I4F-317_I4D-315	226.0	30	\$420	\$94,924	2	\$27,360	\$122,284		
		3453.5			\$1,580,630	18	\$247,940	\$1,828,570	\$25,000	\$1,850,000
Border	H3D-118_H3F-119	22.2	24	\$365	\$8,092	1	\$13,515	\$21,607		
Border	H3D-205_H3F-501	168.9	24	\$365	\$61,652	1	\$13,515	\$75,167		
Border	H3D-401_H3D-205	103.7	24	\$365	\$37,851	1	\$13,515	\$51,366		
Border	H3F-116_H3D-118	31.8	24	\$365	\$11,618	1	\$13,515	\$25,133		
Border	H3F-119_H3D-401	126.6	24	\$365	\$46,216	1	\$13,515	\$59,731		

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Border	H3F-501_H3O-502	77.3	24	\$365	\$28,218	2	\$27,030	\$55,248		
		530.5			\$193,647	7	\$94,605	\$288,252		\$290,000
Cuesta	G3D-302_G3D-307	426.6	30	\$420	\$179,180	1	\$13,680	\$192,860		
Cuesta	G3D-307_G4D-101	505.6	30	\$420	\$212,344	1	\$13,680	\$226,024		
Cuesta	G4D-101_G4D-102	333.5	30	\$420	\$140,074	2	\$27,360	\$167,434		
		1265.7			\$531,598	4	\$54,720	\$586,318		\$590,000
Edge	H4D-516_H4D-508	387.9	18	\$300	\$116,382	1	\$13,345	\$129,727		
Edge	H4F-515_H4P-514	7.4	18	\$300	\$2,211	1	\$13,345	\$15,556		
Edge	H4P-514_H4D-516	261.6	18	\$300	\$78,486	1	\$13,345	\$91,831		
Edge	I4D-201_H4P-514	129.4	18	\$300	\$38,814	1	\$13,345	\$52,159		
Edge	I4D-203_I4F-202	373.7	18	\$300	\$112,119	1	\$13,345	\$125,464		
Edge	I4F-202_I4D-201	70.4	18	\$300	\$21,111	2	\$26,690	\$47,801		
		1230.4			\$369,123	7	\$93,415	\$462,538		\$460,000
Edith	E3D-301_E3F-302	185.0	30	\$420	\$77,692	1	\$13,680	\$91,372		
Edith	E3D-602_E3F-601	20.4	30	\$420	\$8,585	1	\$13,680	\$22,265		
Edith	E3D-603_E3D-602	56.3	24	\$365	\$20,550	1	\$13,515	\$34,065		
Edith	E3D-609_E3D-603	466.0	24	\$365	\$170,090	1	\$13,515	\$183,605		
Edith	E3D-609_E4D-403	555.9	30	\$420	\$233,461	1	\$13,680	\$247,141		
Edith	E3F-302_E4D-108	270.0	36	\$475	\$128,250	1	\$13,850	\$142,100		
Edith	E3F-601_E3D-301	355.6	30	\$420	\$149,369	1	\$13,680	\$163,049		
Edith	E4D-108_E4F-110	413.8	36	\$475	\$196,531	1	\$13,850	\$210,381		
Edith	E4D-112_E4D-113	84.0	36	\$475	\$39,914	1	\$13,850	\$53,764		
Edith	E4D-113_E4F-114	152.0	36	\$475	\$72,219	1	\$13,850	\$86,069		
Edith	E4D-302_E4F-301	82.6	42	\$530	\$43,757	1	\$14,020	\$57,777		
Edith	E4D-403_E4D-404	136.5	30	\$420	\$57,309	1	\$13,680	\$70,989		
Edith	E4D-404_E4D-405	598.1	30	\$420	\$251,185	1	\$13,680	\$264,865		
Edith	E4D-405_E4D-408	142.8	30	\$420	\$59,955	1	\$13,680	\$73,635		
Edith	E4F-110_E4D-112	169.3	36	\$475	\$80,394	1	\$13,850	\$94,244		
Edith	E4F-114_E4F-115	234.6	42	\$530	\$124,327	1	\$14,020	\$138,347		

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Edith	E4F-115_E4D-116	31.2	42	\$530	\$16,547	1	\$14,020	\$30,567		
Edith	E4F-201_E4D-116	708.0	42	\$530	\$375,240	1	\$14,020	\$389,260		
Edith	E4F-301_E4F-201	683.0	42	\$530	\$362,001	2	\$28,040	\$390,041		
		5344.9			\$2,467,375	20	\$276,160	\$2,743,535	\$25,000	\$2,770,000
Giralda	F4D-106_F4D-107	141.2	27	\$390	\$55,060	1	\$13,600	\$68,660		
Giralda	F4D-107_F4D-109	367.3	27	\$390	\$143,255	1	\$13,600	\$156,855		
Giralda	F4D-109_F4D-111	79.4	30	\$420	\$33,344	1	\$13,680	\$47,024		
Giralda	F4D-111_F4F-210	171.3	30	\$420	\$71,950	1	\$13,680	\$85,630		
Giralda	F4F-210_F4O-211	60.8	30	\$420	\$25,515	2	\$27,360	\$52,875		
		820.0			\$329,124	6	\$81,920	\$411,044	\$25,000	\$440,000
Parma	G4D-402_G4D-404	146.2	24	\$365	\$53,352	1	\$13,515	\$66,867		
Parma	G4D-418_G4D-402	435.7	24	\$365	\$159,045	1	\$13,515	\$172,560		
		581.9			\$212,397	2	\$27,030	\$239,427		\$240,000
Renetta	G3C-408_G3O-409	182.4	18	\$300	\$54,720	1	\$13,345	\$68,065		
Renetta	H3C-101_H3C-102	118.0	18	\$300	\$35,406	1	\$13,345	\$48,751		
Renetta	H3C-102_G3C-408	227.3	18	\$300	\$68,190	1	\$13,345	\$81,535		
Renetta	H3F-503_H3O-504	38.0	24	\$365	\$13,870	1	\$13,515	\$27,385		
Renetta	G3O-409_H3O-104	90.0	24	\$365	\$32,850	1	\$13,515	\$46,365		
Renetta	H3O-104_H3S-117	55.0	24	\$365	\$20,075	2	\$27,030	\$47,105		
		710.7			\$225,111	7	\$94,095	\$319,206		\$320,000
Springer	I4F-402_I4P-401	111.4	18	\$300	\$33,429	1	\$13,345	\$46,774		
Springer	I4F-404_I4F-402	75.7	18	\$300	\$22,698	1	\$13,345	\$36,043		
Springer	I4F-403_I4F-402	105.5	18	\$300	\$31,659	2	\$26,690	\$58,349		
Springer	I4F-118_I4F-403	74.9	18	\$300	\$22,479	3	\$40,035	\$62,514		
		367.6			\$87,786	4	\$53,380	\$141,166	\$25,000	\$170,000
									Total:	\$7,120,000

Capacity Pipe Detailed Cost Estimates

PERMANENTE CREEK DRAINAGE AREA DETAILED COST ESTIMATE

Project	Pipe Id	Length (ft)	Diameter (in)	Pipe Unit Cost	Pipe Cost	MHs	MH Cost	Total	Outfalls	Project Cost
Buckingham	B2D-104_B2F-101	132.0	18	\$300	\$39,600	1	\$13,345	\$52,945		
Buckingham	B2F-105_B2D-104	112.0	18	\$300	\$33,600	2	\$26,690	\$60,290		
		244				3		\$113,235	\$25,000	\$140,000
Altamead	F2D-505_F2D-506	142.0	24	\$365	\$51,830	1	\$13,515	\$65,345		
Altamead	F2D-506_F2D-502	60.0	24	\$365	\$21,900	1	\$13,515	\$35,415		
Altamead	F2D-509_F2D-506	16.0	24	\$365	\$5,840	2	\$27,030	\$32,870		
		218				4		\$133,630	\$25,000	\$160,000
									Total:	\$300,000

Capacity Pipe Detailed Cost Estimates

PERMANENTE STEVENS DRAINAGE AREA DETAILED COST ESTIMATE

Project	Pipe Id	Length (ft)	Diameter (in)	Pipe Unit Cost	Pipe Cost	MHs	MH Cost	Total	Outfalls	Project Cost
Arboritum	M6D-101_L6D-422	53.3	24	\$365	\$19,444	1	\$13,515	\$32,959		
Arboritum	M6D-104_M6D-101	47.7	24	\$365	\$17,407	1	\$13,515	\$30,922		
Arboritum	M6D-105_M6D-104	70.1	24	\$365	\$25,590	1	\$13,515	\$39,105		
Arboritum	M6D-107_M6D-105	327.7	24	\$365	\$119,611	1	\$13,515	\$133,126		
Arboritum	M6D-108_M6D-107	186.6	24	\$365	\$68,109	1	\$13,515	\$81,624		
Arboritum	M6D-111_M6D-107	179.7	18	\$300	\$53,922	1	\$13,345	\$67,267		
Arboritum	M6D-112_M6D-111	33.8	18	\$300	\$10,146	1	\$13,345	\$23,491		
Arboritum	M6D-113_M6D-112	114.5	18	\$300	\$34,362	1	\$13,345	\$47,707		
Arboritum	M6D-114_M6D-113	115.9	18	\$300	\$34,782	1	\$13,345	\$48,127		
Arboritum	M6D-115_M6D-114	103.0	18	\$300	\$30,888	1	\$13,345	\$44,233		
Arboritum	M6D-116_M6D-115	104.1	18	\$300	\$31,233	1	\$13,345	\$44,578		
Arboritum	M6D-117_M6D-116	58.1	18	\$300	\$17,439	1	\$13,345	\$30,784		
Arboritum	M6D-118_M6D-117	72.4	18	\$300	\$21,705	1	\$13,345	\$35,050		
Arboritum	M6D-119_M6D-118	65.7	18	\$300	\$19,713	1	\$13,345	\$33,058		
Arboritum	M6D-120_M6D-119	49.8	18	\$300	\$14,925	1	\$13,345	\$28,270		
Arboritum	L6D-413_L6D-420	373.2	30	\$420	\$156,736	1	\$13,680	\$170,416		
Arboritum	L6D-421_L6D-420	108.1	24	\$365	\$39,453	1	\$13,515	\$52,968		
Arboritum	L6D-422_L6D-421	150.0	24	\$365	\$54,765	1	\$13,515	\$68,280		
Arboritum	M6F-609_M6D-108	37.9	24	\$365	\$13,837	1	\$13,515	\$27,352		
Arboritum	M6F-610_M6F-609	116.0	24	\$365	\$42,325	2	\$27,030	\$69,355		
		2367.6			\$826,391	21	\$282,280	\$1,108,671		\$1,110,000
Deodora	M6D-614_M6D-615	16.0	24	\$365	\$5,829	1	\$13,515	\$19,344		
Deodora	M6D-615_M6D-617	132.1	30	\$420	\$55,465	1	\$13,680	\$69,145		
Deodora	M6D-617_M6O-618	93.8	30	\$420	\$39,383	2	\$27,360	\$66,743		

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		241.8			\$100,678	4	\$54,555	\$155,233		\$160,000
Oak	J6D-211_J6D-212	58.5	30	\$420	\$24,553	1	\$13,680	\$38,233		
Oak	J6D-212_J6D-214	178.5	30	\$420	\$74,983	1	\$13,680	\$88,663		
Oak	J6D-214_J6D-218	52.9	30	\$420	\$22,214	1	\$13,680	\$35,894		
Oak	J6D-218_J6D-302	278.4	30	\$420	\$116,936	1	\$13,680	\$130,616		
Oak	J6D-302_J6D-303	154.8	30	\$420	\$64,999	1	\$13,680	\$78,679		
Oak	J6D-303_J6D-306	154.8	30	\$420	\$65,012	2	\$27,360	\$92,372		
		877.9			\$368,697	7	\$95,760	\$464,457		\$460,000
Fremont	23	60.0	12	\$200	\$12,000	1	\$10,000	\$22,000		
Fremont	K6D-203_K6F-202	33.2	36	\$475	\$15,789	1	\$13,850	\$29,639		
Fremont	K6D-205_K6D-203	25.1	36	\$475	\$11,918	1	\$13,850	\$25,768		
Fremont	K6D-205_K6F-206	54.5	36	\$475	\$25,888	1	\$13,850	\$39,738		
Fremont	K6F-206_K6F-207	155.3	36	\$475	\$73,782	1	\$13,850	\$87,632		
Fremont	13	90.0	24	\$365	\$32,850	1	\$13,515	\$46,365		
Fremont	14	220.0	24	\$365	\$80,300	1	\$13,515	\$93,815		
Fremont	15	80.0	24	\$365	\$29,200	1	\$13,515	\$42,715		
Fremont	16	440.0	24	\$365	\$160,600	1	\$13,515	\$174,115		
Fremont	19	65.0	24	\$365	\$23,725	1	\$13,515	\$37,240		
Fremont	20	30.0	24	\$365	\$10,950	1	\$13,515	\$24,465		
Fremont	22	70.0	24	\$365	\$25,550	2	\$27,030	\$52,580		
		1323.2			\$502,551	13	\$173,520	\$676,071		\$680,000
Stonehaven	M5W-201_M5D-216	120.0	36	\$475	\$57,000	1	\$13,850	\$70,850		
Stonehaven	M5D-216_M5D-207	156.0	36	\$475	\$74,100	2	\$27,700	\$101,800		
		276.0			\$131,100	3	\$41,550	\$172,650		\$170,000
									Total:	\$2,580,000

Capacity Pipe Detailed Cost Estimates

STEVENS CREEK DRAINAGE AREA DETAILED COST ESTIMATE

Project	Pipe Id	Length (ft)	Diameter (in)	Pipe Unit Cost	Pipe Cost	MHs	Cost	Total	Outfalls	Project Cost
Fallen Leaf	M7C-102_M7D-103	179.1	18	\$300	\$53,721	1	\$13,345	\$67,066		
Fallen Leaf	M7D-103_M7F-104	209.9	18	\$300	\$62,967	1	\$13,345	\$76,312		
Fallen Leaf	M7F-104_M7O-201	188.1	18	\$300	\$56,415	2	\$26,690	\$83,105		
		577			\$173,103	4	\$53,380	\$226,483	\$25,000	\$250,000
									Total:	\$250,000