ATTACHMENT 1 - BID TABULATION

ROSS VALLEY SANITARY DISTRICT FY22/23 Gravity Sewer Rehabilitation Project Final Submittal Preliminary Opinion of Probable Construction Costs, August 2022					Apparent Low bidder				
					Glosage Engineering	Darcy & Hardy	Bay Pacific Pipelines	KJ Woods	Cratus
Bid Item List					, v				
Item No. Item Description	Unit	Estimated Quantity	Unit Cost	Item Cost					
General 1 Mobilization and Demobilization	LS	1	\$434,000	\$434,000					
2 Traffic Control	LS	1	\$392,000	\$392,000	\$47,000.00 \$17,000.00	\$90,000.00 \$75,000.00	\$70,000.00 \$50,000.00	\$120,000.00 \$30,000.00	\$120,000.00 \$100,000.00
3 Overexcavation and Special Pipe Foundation (Revocable if not used)	CY	10	\$220	\$2,200	\$10.00	\$3,000.00	\$3,000.00	\$1,000.00	\$1,000.00
4 Rock Excavation (Revocable if not used)	CY	15	\$350	\$5,250	\$15.00	\$7,500.00	\$1,500.00	\$7,500.00	\$4,500.00
Trench Sheeting, Shoring and Bracing AC Surface Upheaval Repair (Revocable if not used)	SF	3000	\$5,000 \$10	\$5,000 \$30,000	\$12,000.00 \$1,500.00	\$137,500.00 \$15,000.00	\$50,000.00 \$21,000.00	\$88,000.00 \$15,000.00	\$110,000.00 \$21,000.00
7 PCC Pavement/Slab Excavation (Revocable if not used)	CY	100	\$100	\$10,000	\$1,500.00	\$15,000.00	\$3,000.00	\$15,000.00 \$15,000.00	\$21,000.00
8 Sag Repair for HDPE SS	LF	295	\$260	\$76,700	\$56,050.00	\$59,000.00	\$59,000.00	\$88,500.00	\$66,375.00
9 HMA Surface Restoration Including 2" Mill per Detail 2/D-01 10 Bid Allowance for Districts Use	TON LS	12	\$0 \$200,000	\$0 \$200,000	\$10,140.00 \$200,000.00	\$13,800.00 \$200,000.00	\$5,400.00 \$200,000.00	\$14,400.00 \$200,000.00	\$4,800.00 \$200,000.00
11. Sanitary Sewer Improvements: PP-01. Baltus Lane	2.0	•	\$200,000	3200,000	\$250,000.00	\$200,000.00	7200,000.00	7200,000.00	\$250,000.00
11a Remove and Replace or Construct New SSCO at Property Line 11b Disconnect/Reconnect Sewer Lateral To Main for Pipe Bursting	EA	5	\$1,100	\$5,500	\$5,000.00	\$2,500.00	\$4,000.00	\$1,500.00	\$6,000.00
Disconnect/Reconnect Sewer Lateral To Main for Pipe Bursting 11c Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 5'-10')	EA EA	5	\$860 \$2,100	\$4,300 \$6,300	\$5,500.00 \$1,500.00	\$2,500.00 \$1,500.00	\$1,750.00 \$9,000.00	\$2,500.00 \$3,000.00	\$10,000.00 \$6,000.00
11d Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 10'-15')	EA EA	1	\$2,500 \$3,700	\$2,500 \$3,700	\$750.00	\$1,000.00	\$3,500.00	\$1,500.00	\$2,000.00
11e Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length > 25') 11f Pipe Burst Existing 4" with 6" SS	FT	1 218	\$3,700	\$47,960	\$1,000.00 \$46,870.00	\$2,500.00 \$34,880.00	\$4,000.00 \$42,510.00	\$1,800.00 \$43,600.00	\$2,000.00 \$45,780.00
11g Abandon Existing 4" By Filling Pipe	FT	10	\$12	\$120	\$100.00	\$1,000.00	\$100.00	\$1,700.00	\$500.00
11h Construct PCC Top Block at SSMH 11i Construct New SSMH	EA EA	1	\$2,000 \$8,200	\$2,000 \$8,200	\$3,500.00 \$7,500.00	\$4,500.00 \$8,500.00	\$800.00 \$6,500.00	\$800.00 \$5,000.00	\$2,000.00 \$11,500.00
11j Remove Existing SSCO	EA	1	\$570	\$570	\$100.00	\$500.00	\$500.00	\$500.00	\$200.00
12. Sanitary Sewer Improvements: PP-02 to PP-04. Deer Hollow Rd 12a Remove and Replace or Construct New SSCO at Property Line	EA	18	\$1,100	\$19,800	\$14,400.00	\$9,000.00	\$14,400.00	\$7,200.00	\$9,000.00
12b Disconnect/Reconnect Sewer Lateral To Main for Pipe Bursting	EA	18	\$860	\$15,480	\$21,600.00	\$9,000.00	\$7,200.00	\$14,400.00	\$54,000.00
12c Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 5'-10') 12d Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 10'-15')	EA EA	5 7	\$2,100 \$2,500	\$10,500 \$17,500	\$4,000.00 \$7,700.00	\$2,500.00 \$7,000.00	\$15,000.00 \$24,500.00	\$7,500.00 \$14,000.00	\$5,000.00 \$7,000.00
12d Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 10'-15') 12e Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 15'-20')	EA	7	\$2,500	\$17,500 \$11,600	\$7,700.00 \$5,000.00	\$7,000.00 \$6,000.00	\$24,500.00 \$15,200.00	\$14,000.00 \$10,000.00	\$7,000.00 \$4,000.00
12f Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 20-25')	EA	2	\$3,300	\$6,600	\$2,500.00	\$4,000.00	\$8,000.00	\$6,000.00	\$2,000.00
12g Pipe Burst Existing 6" with 6" SS 12h Pipe Burst Existing 6" with 8" SS	FT FT	770 450	\$230 \$240	\$177,100 \$108,000	\$124,740.00 \$76,500.00	\$130,900.00 \$81,000.00	\$146,300.00 \$87,750.00	\$188,650.00 \$114,750.00	\$161,700.00 \$103,500.00
12i Construct New SSMH	EA	1	\$8,200	\$8,200	\$8,000.00	\$8,500.00	\$6,500.00	\$9,000.00	\$11,500.00
12j Rehabilitate Existing SSMH 12k Remove and Replace Existing SSCO/SSLH with New SSMH	EA EA	1	\$3,400 \$9,400	\$3,400 \$9,400	\$3,800.00 \$7,500.00	\$4,500.00 \$8,500.00	\$3,500.00 \$6,500.00	\$5,000.00 \$9,000.00	\$5,000.00 \$12,500.00
13. Sanitary Sewer Improvements: PP-05 to PP-11. The Alameda, Caletta Ave, Burkshere Ave, Varborg Terr	ALC:			93,400	\$7,300.00	\$6,340.00		33,000.00	312,300.00
13a Remove and Replace or Construct New SSCO at Property Line	EA	39	\$1,100	\$42,900	\$35,100.00	\$19,500.00	\$31,200.00	\$11,700.00	\$19,500.00
13b Disconnect/Reconnect Sewer Lateral To Main for Pipe Bursting 13c Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 0'-5')	EA EA	39	\$860 \$1,700	\$33,540 \$3,400	\$42,900.00 \$1,000.00	\$19,500.00 \$1,000.00	\$13,650.00 \$1,600.00	\$19,500.00 \$1,400.00	\$117,000.00 \$2,000.00
13d Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 5'-10')	EA	7	\$2,100	\$14,700	\$5,600.00	\$3,500.00	\$21,000.00	\$10,500.00	\$7,000.00
13e Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 10'-15') 13f Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 15'-20')	EA EA	7	\$2,500 \$2,900	\$37,500 \$20,300	\$15,000.00 \$8,400.00	\$15,000.00 \$10.500.00	\$48,000.00 \$24.500.00	\$30,000.00 \$15.400.00	\$15,000.00 \$7.000.00
131 Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4 SS (Length 15-20) 13g Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 20-25')	EA	4	\$3,300	\$13,200	\$4,800.00	\$8,000.00	\$15,200.00	\$10,000.00	\$4,000.00
13h Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length > 25')	EA	4	\$3,700	\$14,800	\$4,800.00	\$10,000.00	\$16,000.00	\$12,000.00	\$4,000.00
13i Pipe Burst Existing 4" with 6" SS 13j Pipe Burst Existing 6" with 6" SS	FT	177 136	\$220 \$230	\$38,940 \$31,280	\$38,055.00 \$22,032.00	\$30,090.00 \$23,120.00	\$34,515.00 \$25,840.00	\$38,940.00 \$27,200.00	\$37,170.00 \$28,560.00
13k Pipe Burst Existing 6" with 8" SS	FT	1729	\$240	\$414,960	\$293,930.00	\$311,220.00	\$337,155.00	\$440,895.00	\$397,670.00
131 Remove and Replace Existing 6" SS With 8" SS by Open Trench 13m Abandon Existing 6" By Filling Pipe	FT	40 15	\$360 \$12	\$14,400 \$180	\$9,600.00 \$150.00	\$16,000.00 \$1,500.00	\$10,000.00 \$150.00	\$20,000.00 \$2,550.00	\$20,000.00 \$750.00
13n Construct New SSMH	EA	1	\$8,200	\$8,200	\$8,000.00	\$8,500.00	\$6,500.00	\$8,000.00	\$11,500.00
130 Remove and Replace Existing SSCO/SSLH with New SSMH 13p Remove Existing SSCO	EA EA	3	\$9,400 \$570	\$28,200 \$1,140	\$23,100.00 \$400.00	\$25,500.00 \$1,000.00	\$21,000.00 \$1,000.00	\$24,000.00 \$1,000.00	\$37,500.00 \$400.00
13q Rehabilitate Existing SSMH	EA	3	\$3,400	\$10,200	\$11,400.00	\$13,500.00	\$10,500.00	\$15,000.00	\$15,000.00
14. Sanitary Sewer Improvements: PP-12. Vista Grande 14a Remove and Replace or Construct New SSCO at Property Line	EA	5	\$1,100	\$5,500	\$4.000.00	\$2.500.00	\$4.250.00	\$1.500.00	\$2,500.00
14b Disconnect/Reconnect Sewer Lateral To Main for Pipe Bursting	EA	5	\$860	\$4,300	\$6,000.00	\$2,500.00	\$2,000.00	\$2,500.00	\$15,000.00
14c Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 0'-5')	EA	1 4	\$1,700	\$1,700	\$800.00	\$500.00	\$2,500.00	\$800.00	\$1,000.00
14d Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 5'-10') 14e Pipe Burst Existing 6" with 6" SS	EA FT	527	\$2,100 \$230	\$8,400 \$121,210	\$3,200.00 \$85,901.00	\$2,000.00 \$89,590.00	\$12,000.00 \$100,130.00	\$4,000.00 \$105,400.00	\$4,000.00 \$110,670.00
14f Construct PCC Top Block at SSMH	EA	1	\$2,000	\$2,000	\$3,800.00	\$4,500.00	\$800.00	\$800.00	\$2,000.00
14g Remove and Replace Existing SSCO/SSLH with New SSMH 15. Sanitary Sewer Improvements: PP-13. Wolfe Glen Way	EA	1	\$9,400	\$9,400	\$7,500.00	\$8,500.00	\$6,500.00	\$6,000.00	\$12,500.00
15a Remove and Replace or Construct New SSCO at Property Line	EA	1	\$1,100	\$1,100	\$1,000.00	\$500.00	\$850.00	\$300.00	\$500.00
15b Disconnect/Reconnect Sewer Lateral To Main for Pipe Bursting 15c Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length > 25')	EA EA	1	\$860 \$3,700	\$860 \$3,700	\$1,100.00 \$1,000.00	\$500.00 \$2,500.00	\$500.00 \$3,800.00	\$500.00 \$2,775.00	\$3,000.00 \$1,000.00
15d Pipe Burst Existing 4" with 6" SS	FT	264	\$220	\$58,080	\$58,080.00	\$44,880.00	\$51,480.00	\$60,720.00	\$55,440.00
15e Construct New SSMH	EA	1	\$8,200	\$8,200	\$7,800.00	\$8,500.00	\$6,500.00	\$8,000.00	\$11,500.00
16. Sanitary Sewer Improvements: PP-14. Oak Ave 16a Remove and Replace or Construct New SSCO at Property Line	EA	8	\$1,100	\$8,800	\$5,600.00	\$4,000.00	\$6,400.00	\$4,000.00	\$4,000.00
16b Disconnect/Reconnect Sewer Lateral To Main for Pipe Bursting	EA	8	\$860	\$6,880	\$9,600.00	\$4,000.00	\$3,200.00	\$6,400.00	\$24,000.00
16c Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 5'-10') 16d Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 10'-15')	EA EA	6	\$2,100 \$2,500	\$2,100 \$15,000	\$800.00 \$4,800.00	\$500.00 \$6,000.00	\$2,700.00 \$17,400.00	\$1,500.00 \$12,000.00	\$1,000.00 \$6,000.00
16e Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 15-20')	EA	1	\$2,900	\$2,900	\$800.00	\$1,500.00	\$3,000.00	\$2,500.00	\$1,000.00
16f Pipe Burst Existing 6" with 8" SS 16g Construct 8" SS by Open Trench	FT	384 20	\$240 \$360	\$92,160 \$7,200	\$71,040.00 \$5,600.00	\$69,120.00 \$8,000.00	\$78,720.00 \$5,000.00	\$97,920.00 \$10,000.00	\$88,320.00 \$10,000.00
16h Construct New SSMH	EA	1	\$8,200	\$8,200	\$7,500.00	\$8,500.00	\$6,500.00	\$9,000.00	\$11,500.00
16i Remove Existing SSCO 17. Sanitary Sewer Improvements: PP-15 to 16. Wolfe Grade	EA	2	\$570	\$1,140	\$1,000.00	\$500.00	\$800.00	\$1,000.00	\$400.00
17a Remove and Replace or Construct New SSCO at Property Line	EA	9	\$1,100	\$9,900	\$7,200.00	\$4,500.00	\$7,650.00	\$2,700.00	\$4,500.00
17b Disconnect/Reconnect Sewer Lateral To Main for Pipe Bursting	EA	9	\$860	\$7,740 \$12,600	\$10,800.00	\$4,500.00	\$1,800.00	\$4,500.00	\$27,000.00
Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 5-10') Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 10'-15')	EA EA	1	\$2,100 \$2,500	\$12,600 \$2,500	\$4,200.00 \$1,200.00	\$3,000.00 \$1,000.00	\$16,200.00 \$2,900.00	\$4,800.00 \$1,500.00	\$6,000.00 \$1,000.00
17e Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 15-20")	EA	2	\$2,900	\$5,800	\$2,400.00	\$3,000.00	\$6,000.00	\$3,600.00	\$2,000.00
17f Pipe Burst Existing 6" with 8" SS 17g Rehabilitate Existing SSMH	FT EA	461	\$240 \$3,400	\$110,640 \$3,400	\$138,300.00 \$3,800.00	\$82,980.00 \$4,500.00	\$94,505.00 \$3,500.00	\$92,200.00 \$5,000.00	\$106,030.00 \$5,000.00
18. Sanitary Sewer Improvements: PP-17 to 20. S Ridgewood Rd									
18a Remove and Replace or Construct New SSCO at Property Line 18b Disconnect/Reconnect Sewer Lateral To Main for Pipe Bursting	EA EA	8	\$1,100 \$860	\$8,800 \$6,880	\$6,400.00 \$9,600.00	\$4,000.00 \$4,000.00	\$6,800.00 \$2,400.00	\$2,400.00 \$4,000.00	\$4,000.00 \$24,000.00
18c Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 5-10')	EA	1	\$2,100	\$2,100	\$750.00	\$500.00	\$2,700.00	\$800.00	\$1,000.00
18d Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 10'-15') 18e Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length > 25')	EA EA	5	\$2,500 \$3,700	\$12,500 \$7,400	\$4,000.00 \$2,000.00	\$5,000.00 \$5,000.00	\$14,500.00 \$8,000.00	\$5,000.00 \$3,000.00	\$5,000.00 \$2,000.00
186 Pipe Burst Existing 6" with 6" SS	FT	274	\$230	\$63,020	\$53,978.00	\$46,580.00	\$52,060.00	\$54,800.00	\$57,540.00
18g Pipe Burst Existing 6" with 8" SS	FT	908	\$240	\$217,920	\$178,876.00	\$163,440.00	\$177,060.00	\$199,760.00	\$208,840.00
18h Abandon Existing 6" By Filling Pipe 18i Construct PCC Top Block at SSMH	FT EA	22	\$12 \$2,000	\$264 \$2,000	\$220.00 \$3,500.00	\$2,200.00 \$4,500.00	\$220.00 \$800.00	\$3,740.00 \$800.00	\$1,100.00 \$2,000.00
18j Construct New SSMH	EA	1	\$8,200	\$8,200	\$7,500.00	\$8,500.00	\$6,500.00	\$7,000.00	\$11,500.00
18k Rehabilitate Existing SSMH 18l Remove and Replace/Relocate Existing SSMH	EA EA	1	\$3,400 \$9,400	\$3,400 \$9,400	\$3,500.00 \$7,500.00	\$4,500.00 \$8,500.00	\$3,500.00 \$6,500.00	\$5,000.00 \$8,000.00	\$5,000.00 \$12,500.00
18m Remove Existing SSCO	EA	1	\$570	\$570	\$250.00	\$500.00	\$400.00	\$500.00	\$200.00
19. Sanitary Sewer Improvements: PP-21. Elm Ave	10.7	-	61.100	P2.200			** ==	*	** ==
19a Remove and Replace or Construct New SSCO at Property Line 19b Disconnect/Reconnect Sewer Lateral To Main for Pipe Bursting	EA EA	2	\$1,100 \$860	\$2,200 \$1,720	\$1,600.00 \$2,400.00	\$1,000.00 \$1,000.00	\$1,500.00 \$500.00	\$600.00 \$1,000.00	\$1,000.00 \$6,000.00
19c Pipe Burst Existing 6" with 6" SS	FT	124	\$230	\$28,520	\$22,320.00	\$21,080.00	\$24,180.00	\$24,800.00	\$24,800.00
SUBTOTAL CONTINGENCY (10%)				\$3,248,024 \$324,803					
TOTAL CONSTRUCTION COST				\$3,573,000	\$1,974,857.00	\$2,106,380.00	\$2,243,425.00	\$2,488,000.00	\$2,701,245.00

Page 1 of