

**ROSS VALLEY SANITARY DISTRICT**  
**Woodland Capacity and Creek Crossing Project**  
**100% Submittal Opinion of Probable Construction Costs,**  
**February 2023**

**Bid Item List**

Item No.	Item Description	Unit	Estimated Quantity	Unit Cost	Item Cost
<b>General</b>					
1	Mobilization and Demobilization	LS	1	\$91,000	\$91,000
2	Traffic Control	LS	1	\$55,000	\$55,000
3	Overexcavation and Special Pipe Foundation (Revocable if not used)	CY	10	\$210	\$2,100
4	Rock Excavation (Revocable if not used)	CY	15	\$360	\$5,400
5	Trench Sheeting, Shoring and Bracing	LS	1	\$30,000	\$30,000
6	AC Surface Upheaval Repair (Revocable if not used)	SF	1400	\$7	\$9,800
7	PCC Pavement/Slab Excavation (Revocable if not used)	CY	100	\$80	\$8,000
8	Sag Repair for HDPE SS	LF	100	\$250	\$25,000
9	HMA Surface Restoration Including 2" Mill per Detail 2/D-01	TON	184	\$570	\$104,880
10	Bid Allowance for Districts Use	LS	1	\$200,000	\$200,000
<b>Subtotal: Misc</b>					<b>\$531,180</b>
<b>11. Sanitary Sewer Improvements: PP-01 to PP-02 Woodland Rd</b>					
11a	Remove and Replace or Construct New SSCO at Property Line	EA	7	\$880	\$6,160
11b	Disconnect/Reconnect Sewer Lateral To Main for Pipe Bursting	EA	7	\$1,100	\$7,700
11c	Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 5'-10')	EA	2	\$1,500	\$3,000
11d	Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 10'-15')	EA	1	\$1,800	\$1,800
11e	Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 15'-20')	EA	1	\$2,100	\$2,100
11f	Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 20'-25')	EA	1	\$2,500	\$2,500
11g	Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length > 25')	FT	2	\$2,900	\$5,800
11h	Abandon Existing SSMH	EA	3	\$3,000	\$9,000
11i	Remove Existing SSMH	EA	2	\$2,200	\$4,400
11j	Install new SSMH	EA	1	\$7,600	\$7,600
11k	Construct New Overflow SSMH	EA	1	\$8,300	\$8,300
11l	Install new 12" SS by Horizontal Directional Drilling	FT	245	\$610	\$149,450
11m	Install new 8" SS by Horizontal Directional Drilling	FT	245	\$565	\$138,425
11n	Remove and Replace Existing 8" SS with 12" SS by Open Trench	FT	115	\$490	\$56,350
11o	Remove and Replace Existing 8" SS with 10" SS by Open Trench	FT	37	\$470	\$17,390
11p	Abandon existing 6-inch ss by filling	FT	665	\$15	\$9,975
11q	Abandon existing 8-inch ss by filling	FT	305	\$20	\$6,100
11r	Abandon existing 10-inch ss by filling	FT	41	\$25	\$1,025
<b>Subtotal: Woodland Rd</b>					<b>\$437,075</b>
<b>12. Sanitary Sewer Improvements: PP-03 to PP-07. Woodland Rd</b>					
12a	Remove and Replace or Construct New SSCO at Property Line	EA	10	\$880	\$8,800

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12b	Disconnect/Reconnect Sewer Lateral To Main for Pipe Bursting	EA	10	\$1,100	\$11,000
12c	Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 5'-10')	EA	4	\$1,500	\$6,000
12d	Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 10'-15')	EA	1	\$1,800	\$1,800
12e	Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 15'-20')	EA	2	\$2,100	\$4,200
12f	Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length > 25')	EA	3	\$2,900	\$8,700
12g	Pipe Burst Existing 6" with 8" SS	FT	934	\$210	\$196,140
12h	Pipe Burst Existing 6" with 10" SS	FT	532	\$240	\$127,680
12i	Remove and Replace Existing 6" SS With 10" SS by Open Trench	FT	625	\$470	\$293,750
12j	Remove and Replace existing SSMH	EA	4	\$10,100	\$40,400
12k	Remove and Replace Existing SSMH (Eccentric MH)	EA	1	\$10,100	\$10,100
<b>Subtotal: Woodland Rd</b>					<b>\$708,570</b>

**13. Sanitary Sewer Improvements: PP-8 to PP-9. Woodland Rd/Acorn Way Easement**

13a	Remove and Replace or Construct New SSCO at Property Line	EA	5	\$880	\$4,400
13b	Disconnect/Reconnect Sewer Lateral To Main for Pipe Bursting	EA	5	\$1,100	\$5,500
13c	Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 0'-5')	EA	2	\$1,200	\$2,400
13d	Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 5'-10')	EA	1	\$1,500	\$1,500
13e	Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 10'-15')	EA	2	\$1,800	\$3,600
13f	Pipe Burst Existing 6" with 6" SS	FT	296	\$200	\$59,200
13g	Remove and Replace Existing 6" SS With 6" SS by Open Trench	FT	175	\$440	\$77,000
13h	Remove and Replace Existing SSCO/SSLH with New SSMH	EA	2	\$8,900	\$17,800
13i	Remove and Replace Existing SSMH	EA	3	\$10,100	\$30,300
<b>Subtotal: Woodland Rd/Acron Way Easement</b>					<b>\$201,700</b>

**14. Sanitary Sewer Improvements: PP-10. Woodland Rd Easement**

14a	Remove and Replace or Construct New SSCO at Property Line	EA	2	\$880	\$1,760
14b	Disconnect/Reconnect Sewer Lateral To Main for Pipe Bursting	EA	2	\$1,100	\$2,200
14c	Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 5'-10')	EA	1	\$1,500	\$1,500
14d	Pipe Burst, Remove and Replace, or Construct New Sewer Lateral with New 4" SS (Length 10'-15')	EA	1	\$1,800	\$1,800
14e	Pipe Burst Existing 6" with 6" SS	FT	375	\$200	\$75,000

<b>Subtotal:Woodland Rd Easement</b>					<b>\$82,260</b>
<b>SUBTOTAL</b>					<b>\$1,960,785</b>
<b>CONTINGENCY (10%)</b>					<b>\$196,079</b>
<b>TOTAL CONSTRUCTION COST</b>					<b>\$2,157,000</b>

**Notes:**

- 1 This document is prepared as a guide only and is subject to change. It has been prepared to a standard of accuracy which, to our knowledge and judgment, is sufficient to satisfy our understanding of the purpose of this document. Harris & Associates makes no warranty, either expressed or implied, as to the accuracy of this document.
- 2 Costs are based on current prices and no provision has been made for inflation or price fluctuations.