

**APPENDIX C**  
QUANTITY ESTIMATES

# Riverside Ranch Berm, Drainage and Public Access Improvement Project



**Quantity Estimates (For Information Purposes Only)**  
**Prepared for: Humboldt County Resource Conservation District**  
**August 2023**

<i>Item</i>	<i>Description</i>	<i>Unit</i>	<i>Quantity</i>
1	Demolition and Debris Disposal - Fence Removal and misc	LF	4,410
2	Clearing and grubbing for new trail/road/path	AC	0.3
3	Vegetation Stripping, Stockpiling and Placement	AC	6.3
4	Class II Aggregate Base (Stripped from Levee, Stockpiled & Placement)	CY	1,270
5	North Levee Excavation and Hauling to Sediment Reuse Areas	CY	8,120
6	South Levee Excavation and Hauling to Sediment Reuse Areas	CY	12,700
7	North Drainage Ditch Excavation and Hauling to Sediment Reuse Areas	CY	2,290
8	South Drainage Ditch Excavation and Hauling to Sediment Reuse Areas	CY	9,050
9	Woven Geotextile Fabric (Under Rock Surfacing and New Trail)	SY	22,390
10	Rock Surfacing North Culvert	CY	80
11	Rock Surfacing North Levee	CY	2,420
12	Rock Surfacing South Culvert	CY	130
13	Rock Surfacing South Levee	CY	3,570
14	Rock Slope Protection North Culvert and Plunge Pool	CY	230
15	Rock Slope Protection South Culvert and Plunge Pool	CY	150
16	Non-Woven Geotextile Fabric	SY	360
17	South Culvert (HP Storm Pipe by ADS or approved equal)	LF	122
18	North Culvert (HP Storm Pipe by ADS or approved equal)	LF	74
19	Class II Aggregate Base for Enhanced Trail/Road and New Trail/Road	CY	910
20	Class II Aggregate Base under minor concrete	CY	30
21	Bedding Rock for Culverts	CY	10
22	Low Strength Concrete Material for Culverts	CY	10
23	Minor Concrete (Sidewalks and Accessible Stalls)	CY	26
24	Fence Three Strand (Levee)	LF	4,410
25	Fence Four Strand (Barbed)	LF	610
26	Additive Alternate Fencing* (See alternates below)	LF	820
27	16-ft Double Swing Gate** (See alternates below)	EA	8
28	Access Gate 8-ft Single Swing Gate	EA	1
29	60" Culvert (HDPE) with Flapgates	EA	2
30	Picnic Table	EA	5
31	Bench	EA	6
32	Signs (minor)	EA	4
33	Signs (Kiosks)	EA	1
34	Bike Racks	EA	1
35	Concrete Wheel Stop (Parking Stalls)	EA	16
36	Thermoplastic Traffic Striping	LF	113
37	Freshwater Seed Mix	AC	1.4
38	Organic Pasture Seed Mix	AC	3.1
39	High Marsh Ecotone Seed Mix	AC	3.3
40	Straw Mulch	AC	7.4
41	Biodegradable Mat along Graded Banks	SY	1,860
42	Fiber Rolls	LF	445