



Addendum #2 For Contract No. 2401 RFP
Hamilton City Phase 2 Ecosystem Restoration Installation
February 22, 2024

I. Clarifications to PWS Attachment 7 - Planting Schedule

- Seed mix numbers are pounds of pure live seed for each zone, adjusted for planting rows in planting zones with woody vegetation. There is an adjustment factor of 0.87 applied based on the width of the seeded area and the planting rows.
- Seed mix type designation (Mix A-F) is added to the seed mix list.
- Clarification added regarding seed mix F and reference to PWS for full seed mix F list.
- Remove Small Fescue from the seed mix list.
- Revise from “California Barley” to “Meadow Barley” on the seed mix list.
- Corrected errors in total columns where field letter was incorrect.
- Removed empty rows (W1-W3 at end of table)
- See **Attachment 1** to this Addendum for the clarifications on the seed mix list in Attachment 7 – Planting Schedule of the PWS.

Attachment 1: Clarifications to Seed Mix in PWS Attachment 7 – Planting Schedule

Attachment 7
Planting Schedule 40 ft Rows

Zone ID					A1	A2		B1	B2	B3	B4
Habitat Type					VOES-BUFFER	VOES	A Total	VOES	VOW	VOES-BUFFER	VOW-BUFFER
AREA IN SF					163,165	834,358	997,523	111,484	325,110	159,540	274,587
Acreage					3.7	19.2	22.9	2.6	7.5	3.7	6.3
	ABR.	common name	scientific name	Propagule							
Overstory	ACENEG	Box elder	Acer negundo	Deepot 40	34	87	121	12	68	33	57
	ALNRHO	White alder	Alnus rhombifolia	Deepot 40	-	-	-	-	-	-	-
	FRALAT	Oregon ash	Fraxinus latifolia	Deepot 40	-	-	-	-	34	-	29
	PLARAC	Sycamore	Platanus racemosa	Deepot 40	-	-	-	-	-	-	-
	POPFRE	Cottonwood	Populus fremontii	Pole Cutting	-	-	-	-	-	-	-
	QUELOB	Valley oak	Quercus lobata	Deepot 40	61	313	374	42	237	60	229
	SALGOO	Goodding's willow	Salix gooddingii	Pole Cutting	-	-	-	-	-	-	-
Midstory	BACPIL	Coyote brush	Baccharis pilularis	Deepot 40	34	87	121	12	41	33	34
	BACSAL	Mule fat	Baccharis salicifolia	Pole Cutting	-	-	-	-	-	-	-
	CEPOCC	Buttonbush	Cephalanthus occidentalis	Treepot 4	-	-	-	-	-	-	-
	ROSCAL	Rose	Rosa californica	Deepot 40	102	261	363	35	61	100	80
	RUBURS	Blackberry	Rubus ursinus	Deepot 40	48	139	187	19	34	47	57
	SALLAS	Arroyo willow	Salix lasiolepis	Pole Cutting	-	-	-	-	-	-	-
	SALEXI	Sandbar willow	Salix exigua	Pole Cutting	-	-	-	-	-	-	-
	SALLUC	Shining willow	Salix lucida	Pole Cutting	-	-	-	-	-	-	-
	SAMMEX	Elderberry	Sambucus mexicana	Deepot 40	-	608	608	81	135	-	-
	TOXDIV	Poison oak	Toxicodendron diversilobum	Deepot 40	61	243	304	33	68	60	86
Understory	ARTDOU	Mugwort	Artemesia douglassiana	Treeband	136	539	675	72	135	133	114
	CARBAR	Santa Barbara sedge	Carex barbarae	Treeband	17	87	104	12	68	17	57
	CARPRA	Slender sedge	Carex praegracillis	Treeband	17	87	104	12	34	17	29
	EUTOCC	Western Goldenrod	Euthamia occidentalis	Treeband	41	243	284	33	135	40	114
	MUHRIG	Deergrass	Muhlenbergia rigens	Treeband	27	174	201	23	68	27	57
	OENHOO	Evening primrose	Oenothera hookerii	Treeband	27	174	201	23	14	27	11
	URTDIO	Hoary nettle	Urtica dioica	Treeband	58	348	406	46	68	57	57
Vines	ARICAL	Pipevine	Aristolochia californica	Deepot 40	7	35	42	5	102	7	86
	CLELIN	Clematis	Clematis lingustifolia	Deepot 40	7	35	42	5	34	7	29
	VITCAL	Grape	Vitis californica	Deepot 40	3	17	20	2	20	3	17
					680	3,477	4,157	467	1,356	668	1,143
Seed Mix				PWS Mix Type→ Ecotype↓	A	A		A	B	A	B
	ELYGLA	Blue Wildrye	Elymus glaucus	Llano Seco	12.7	65.0		8.7	16.2	12.4	13.7
	HORBRA	Meadow Barley	Hordeum brachyanatherum	Yolo Co.	22.8	116.6		15.6	57.1	22.3	48.3
	LEYTRI	Creeping Wildrye	Leymus triticoides	Yolo Co.	15.0	76.7		10.2	28.6	14.7	24.1
	NASPUL	Purple Needlegrass	Nassela pulchra	Llano Seco	14.7	75.0		10.0	27.9	14.3	23.6

Note: 1) seed mix numbers are pounds of pure live seed for each zone, adjusted for planting rows in planting zones with woody vegetation

2) Refer to PWS for complete seed mix for Seed Mix F, only grasses are shown on this schedule.

Habitat Type Abreiviation Key

CWRF	Cottonwood Riparian Forest	VOW	Valley Oak Woodland
MRF	Mixed Riparian Forest	VOES	Valley Oak Elderberry Savanna
VORF	Valley Oak Riparian Forest	ES	Elderberry Savanna
SRAH	Shaded Riverine Aquatic Habitat	VNG	Valley Needle Grass Grassland

Areas with **Buffer** designation include no elderberries to prevent endangered species restrictions to adjacent areas.

Attachment 7
Planting Schedule 40 ft Rows

Zone ID		B5		C1	C2	C3		D1	D2	D3		E1	E2
Habitat Type		VNG	B Total	VOW	VOES	VOES	C Total	VOES	VOW	ES	D Total	VOES	VOW
AREA IN SF		19,441	890,162	1,031,056	837,737	941,831	2,810,624	1,151,393	139,778	295,676	1,586,847	735,850	1,182,877
Acreage		0.4	20.4	23.7	19.2	21.6	64.5	26.4	3.2	6.8	36.4	16.9	27.2
ABR.													
Overstory	ACNEG	-	170	215	87	98	400	120	29	37	186	77	246
	ALNRHO	-	-	-	-	-	-	-	-	-	-	-	-
	FRALAT	-	63	107	-	-	107	-	15	-	15	-	123
	PLARAC	-	-	-	-	-	-	-	-	-	-	-	-
	POPFRE	-	-	-	-	-	-	-	-	-	-	-	-
	QUELOB	-	568	752	314	353	1,419	432	102	37	571	276	863
SALGOO	-	-	-	-	-	-	-	-	-	-	-	-	
Midstory	BACPIL	-	120	129	87	98	314	120	17	31	168	77	148
	BACSAL	-	-	-	-	-	-	-	-	-	-	-	-
	CEPOCC	-	-	-	-	-	-	-	-	-	-	-	-
	ROSCAL	-	276	193	262	294	749	360	26	92	478	230	222
	RUBURS	-	157	107	140	157	404	192	15	49	256	123	123
	SALLAS	-	-	-	-	-	-	-	-	-	-	-	-
	SALEXI	-	-	-	-	-	-	-	-	-	-	-	-
	SALLUC	-	-	-	-	-	-	-	-	-	-	-	-
	SAMMEX	-	216	430	611	687	1,728	840	58	277	1,175	537	493
	TOXDIV	-	247	215	244	275	734	336	29	92	457	215	246
Understory	ARTDOU	-	454	430	541	608	1,579	744	58	197	999	475	493
	CARBAR	-	154	215	87	98	400	120	29	31	180	77	246
	CARPRA	-	92	107	87	98	292	120	15	31	166	77	123
	EUTOCC	-	322	430	244	275	949	336	58	80	474	215	493
	MUHRIG	-	175	215	175	196	586	240	29	62	331	153	246
	OENHOO	-	75	43	175	196	414	240	6	92	338	153	49
Vines	URTDIO	-	228	215	349	392	956	480	29	92	601	307	246
	ARICAL	-	200	322	35	39	396	48	44	12	104	31	370
	CLELIN	-	75	107	35	39	181	48	15	12	75	31	123
VITCAL	-	42	64	17	20	101	24	9	6	39	15	74	
		-	3,634	4,296	3,490	3,923	11,709	4,800	583	1,230	6,613	3,069	4,927
Seed Mix	A		B	A	A		A	B	A		A	B	
	ELYGLA	1.7		51.5	65.3	73.4		89.7	7.0	23.0		57.3	59.1
	HORBRA	3.1		181.2	117.1	131.7		161.0	24.6	41.3		102.9	207.9
	LEYTRI	2.1		90.6	77.0	86.5		105.8	12.3	27.2		67.6	103.9
	NASPUL	2.0		88.5	75.3	84.6		103.5	12.0	26.6		66.1	101.6

Attachment 7
Planting Schedule 40 ft Rows

Zone ID		E3		F1	F2		G1	G2	G3	G4	G5	G6	G7
Habitat Type		ES	E Total	CWRF-v	CWRF	F Total	VOES- BUFFER	VOES	ES	VNG	VORF	CWRF	VORF
AREA IN SF		102,452	2,021,179	191,781	441,666	633,447	92,683	1,378,273	171,099	1,445,737	408,699	1,006,491	230,806
Acreage		2.4	46.4	4.4	10.1	14.5	2.1	31.6	3.9	33.2	9.4	23.1	5.3
ABR.													
Overstory	ACNEG	13	336	40	92	132	19	144	21	-	94	210	53
	ALNRHO	-	-	16	37	53	-	-	-	-	-	84	-
	FRALAT	-	123	28	18	46	-	-	-	-	68	42	39
	PLARAC	-	-	48	111	159	-	-	-	-	-	252	-
	POPFRE	-	-	100	231	331	-	-	-	-	9	526	5
	QUELOB	13	1,152	32	74	106	35	517	21	-	299	168	169
	SALGOO	-	-	20	46	66	-	-	-	-	-	105	-
Midstory	BACPIL	11	236	-	-	-	19	144	18	-	17	-	10
	BACSAL	-	-	8	18	26	-	-	-	-	-	42	-
	CEPOCC	-	-	8	18	26	-	-	-	-	-	42	-
	ROSCAL	32	484	-	-	-	58	431	53	-	68	-	39
	RUBURS	17	263	40	92	132	27	230	29	-	85	210	48
	SALLAS	-	-	20	46	66	-	-	-	-	-	105	-
	SALEXI	-	-	8	18	26	-	-	-	-	-	42	-
	SALLUC	-	-	12	28	40	-	-	-	-	-	63	-
	SAMMEX	96	1,126	-	46	46	-	1,005	160	-	162	105	92
Understory	TOXDIV	32	493	20	46	66	35	402	53	-	51	105	29
	ARTDOU	68	1,036	28	65	93	77	890	114	-	171	147	96
	CARBAR	11	334	80	185	265	10	144	18	-	85	421	48
	CARPRA	11	211	20	46	66	10	144	18	-	43	105	24
	EUTOCC	28	736	-	-	-	23	402	46	-	128	-	72
	MUHRIG	21	420	-	-	-	15	287	36	-	43	-	24
	OENHOO	32	234	-	-	-	15	287	53	-	43	-	24
	URTDIO	32	585	40	92	132	33	574	53	-	43	210	24
Vines	ARICAL	4	405	8	18	26	4	57	7	-	68	42	39
	CLELIN	4	158	12	28	40	4	57	7	-	85	63	48
	VITCAL	2	91	8	18	26	2	29	4	-	17	42	10
		427	8,423		1,373	1,969	386	5,744	711	-	1,579	3,131	893
Seed Mix	A		D	D		A	A	A	A	C	B	C	
	ELYGLA	8.0		18.0	41.5		7.2	107.4	13.3	129.4	29.4	94.5	16.6
	HORBRA	14.3		26.4	60.9		13.0	192.7	23.9	232.3	64.5	138.7	36.4
	LEYTRI	9.4		31.8	73.2		8.5	126.6	15.7	152.7	60.4	166.8	34.1
	NASPUL	9.2		-	-		8.3	123.9	15.4	149.4	9.0	-	5.1

Attachment 7
Planting Schedule 40 ft Rows

Zone ID	G8	G9		W1		X1	X2	X3	X4	X5	X6	X7	X8
Habitat Type	VORF-BUFFER	VNG	G Total	CWRF	W Total	VNG	SRAH	SRAH	VOES	VNG	SRAH	SRAH	SRAH
AREA IN SF	82,142	371,328	4,733,788	145,790	145,790	26,011	302,827	114,423	176,240	8,553	173,027	143,142	150,451
Acreage	1.9	8.5	108.7	3.3	3.3	0.6	7.0	2.6	4.0	0.2	4.0	3.3	3.5
ABR.													
Overstory	ACENEG	17	541	30	30	-	32	12	18	-	18	15	16
	ALNRHO	-	84	12	12	-	63	24	-	-	36	30	31
	FRALAT	17	149	6	6	-	44	17	-	-	25	21	22
	PLARAC	-	252	37	37	-	95	36	-	-	54	45	47
	POPFRE	3	540	76	76	-	164	62	-	-	94	78	81
	QUELOB	77	1,209	24	24	-	95	36	66	-	54	45	47
	SALGOO	-	105	15	15	-	32	12	-	-	18	15	16
Midstory	BACPIL	3	208	-	-	-	-	-	18	-	-	-	-
	BACSAL	-	42	6	6	-	-	-	-	-	-	-	-
	CEPOCC	-	42	6	6	-	-	-	-	-	-	-	-
	ROSCAL	21	649	-	-	-	-	-	55	-	-	-	-
	RUBURS	19	629	30	30	-	32	12	29	-	18	15	16
	SALLAS	-	105	15	15	-	32	12	-	-	18	15	16
	SALEXI	-	42	6	6	-	-	-	-	-	-	-	-
	SALLUC	-	63	9	9	-	19	7	-	-	11	9	9
	SAMMEX	-	1,524	15	15	-	25	10	129	-	14	12	13
	TOXDIV	14	675	15	15	-	-	-	51	-	-	-	-
Understory	ARTDOU	34	1,495	21	21	-	44	17	114	-	25	21	22
	CARBAR	17	726	61	61	-	240	91	18	-	137	113	119
	CARPRA	9	344	15	15	-	63	24	18	-	36	30	31
	EUTOCC	26	671	-	-	-	-	-	51	-	-	-	-
	MUHRIG	9	405	-	-	-	-	-	37	-	-	-	-
	OENHOO	9	422	-	-	-	-	-	37	-	-	-	-
	URTDIO	9	937	30	30	-	95	36	73	-	54	45	47
Vines	ARICAL	14	217	6	6	-	63	24	7	-	36	30	31
	CLELIN	17	264	9	9	-	19	7	7	-	11	9	9
	VITCAL	3	104	6	6	-	13	5	4	-	7	6	6
	318	-	12,444	450	450	-	1,170	444	732	-	666	554	579
Seed Mix	C	A		D		A	B	B	A	A	B	B	B
	ELYGLA	5.9	33.2	13.7		2.30	15.1	5.7	13.7	0.80	8.6	7.1	7.5
	HORBRA	13.0	59.7	20.1		4.2	53.2	20.1	24.6	1.4	30.4	25.2	26.4
	LEYTRI	12.1	39.2	24.2		2.7	26.6	10.1	16.2	0.9	15.2	12.6	13.2
	NASPUL	1.8	38.4	-		2.7	26.0	9.8	15.8	0.9	14.9	12.3	12.9

Attachment 7
Planting Schedule 40 ft Rows

Zone ID		Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9		Z1	Z2
Habitat Type	X Total	VOW	VOW-BUFFER	VOES	VOES-BUFFER	VOES	VNG	VNG	VNG	MOUND	Y Total	VOES-BUFFER	VOES
AREA IN SF	1,094,674	930,763	177,106	337,772	130,322	115,479	15,810	3,882	5,248	30,641	1,747,023	36,842	82,736
Acreage	25.1	21.4	4.1	7.8	3.0	2.7	0.4	0.1	0.1	0.7	40.1	0.8	1.9
ABR.													
Overstory	ACENEG	111	194	37	35	27	12	-	-	-	305	8	9
	ALNRHO	184	-	-	-	-	-	-	-	-	-	-	-
	FRALAT	129	97	18	-	-	-	-	-	-	115	-	-
	PLARAC	277	-	-	-	-	-	-	-	-	-	-	-
	POPFRE	479	-	-	-	-	-	-	-	-	-	-	-
	QUELOB	343	679	148	127	49	43	-	-	-	1,046	14	31
	SALGOO	93	-	-	-	-	-	-	-	-	-	-	-
Midstory	BACPIL	18	116	22	35	27	12	-	-	-	212	8	9
	BACSAL	-	-	-	-	-	-	-	-	-	-	-	-
	CEPOCC	-	-	-	-	-	-	-	-	-	-	-	-
	ROSCAL	55	175	52	106	81	36	-	-	-	450	23	26
	RUBURS	122	97	37	56	38	19	-	-	-	247	11	14
	SALLAS	93	-	-	-	-	-	-	-	-	-	-	-
	SALEXI	-	-	-	-	-	-	-	-	-	-	-	-
	SALLUC	55	-	-	-	-	-	-	-	-	-	-	-
	SAMMEX	203	388	-	246	-	84	-	-	-	718	-	60
	TOXDIV	51	194	55	99	49	34	-	-	-	431	14	24
Understory	ARTDOU	243	388	74	218	109	75	-	-	-	864	31	53
	CARBAR	718	194	37	35	14	12	-	-	-	292	4	9
	CARPRA	202	97	18	35	14	12	-	-	-	176	4	9
	EUTOCC	51	388	74	99	33	34	-	-	-	628	9	24
	MUHRIG	37	194	37	70	22	24	-	-	-	347	6	17
	OENHOO	37	39	7	70	22	24	-	-	-	162	6	17
	URTDIO	350	194	37	141	46	48	-	-	-	466	13	34
Vines	ARICAL	191	291	55	14	5	5	-	-	-	370	2	3
	CLELIN	62	97	18	14	5	5	-	-	-	139	2	3
	VITCAL	41	58	11	7	3	2	-	-	-	81	1	2
		4,145	3,880	737	1,407	544	481	-	-	-	7,049	156	344
Seed Mix			B	B	A	A	A	A	A	F		A	A
	ELYGLA		46.5	8.8	26.3	10.2	9.0	1.40	0.30	0.50	2.7	2.9	6.4
	HORBRA		163.6	31.1	47.2	18.2	16.1	2.5	0.6	0.8	4.9	5.2	11.6
	LEYTRI		81.8	15.6	31.0	12.0	10.6	1.7	0.4	0.6	3.2	3.4	7.6
	NASPUL		79.9	15.2	30.4	11.7	10.4	1.6	0.4	0.5	3.2	3.3	7.4

Attachment 7
Planting Schedule 40 ft Rows

Zone ID		AC1	AC2	AC3	AC4	AC5	AC6	AC7		
Habitat Type	Z Total	VNG	VNG	VNG	VWG	VNG	VNG	VWG	ac Total	phase 2 total
AREA IN SF	119,578	46,212	102,229	179,397	78,854	76,310	117,589	151,383	751,974	
Acreage	2.7	1.1	2.3	4.1	1.8	1.8	2.7	3.5	17.3	412.9
ABR.										
Overstory	ACENEG	17	-	-	-	-	-	-	-	2,366
	ALNRHO	-	-	-	-	-	-	-	-	333
	FRALAT	-	-	-	-	-	-	-	-	770
	PLARAC	-	-	-	-	-	-	-	-	725
	POPFRE	-	-	-	-	-	-	-	-	1,429
	QUELOB	45	-	-	-	-	-	-	-	6,934
	SALGOO	-	-	-	-	-	-	-	-	279
Midstory	BACPIL	17	-	-	-	-	-	-	-	1,417
	BACSAL	-	-	-	-	-	-	-	-	74
	CEPOCC	-	-	-	-	-	-	-	-	74
	ROSCAL	49	-	-	-	-	-	-	-	3,574
	RUBURS	25	-	-	-	-	-	-	-	2,471
	SALLAS	-	-	-	-	-	-	-	-	279
	SALEXI	-	-	-	-	-	-	-	-	74
	SALLUC	-	-	-	-	-	-	-	-	167
	SAMMEX	60	-	-	-	-	-	-	-	7,419
	TOXDIV	38	-	-	-	-	-	-	-	3,525
Understory	ARTDOU	84	-	-	-	-	-	-	-	7,577
	CARBAR	13	-	-	-	-	-	-	-	3,264
	CARPRA	13	-	-	-	-	-	-	-	1,690
	EUTOCC	33	-	-	-	-	-	-	-	4,174
	MUHRIG	23	-	-	-	-	-	-	-	2,534
	OENHOO	23	-	-	-	-	-	-	-	1,915
	URTDIO	47	-	-	-	-	-	-	-	4,747
Vines	ARICAL	5	-	-	-	-	-	-	-	1,976
	CLELIN	5	-	-	-	-	-	-	-	1,067
	VITCAL	3	-	-	-	-	-	-	-	557
	500	-	-	-	-	-	-	-	-	61,411
Seed Mix		A	A	A	D	A	A	D		
	ELYGLA	4.1	9.2	16.1	8.5	6.8	10.5	16.3		1,322
	HORBRA	7.4	16.4	28.8	12.5	12.3	18.9	24.0		2,757
	LEYTRI	4.9	10.8	18.9	15.0	8.1	12.4	28.8		1,861
	NASPUL	4.8	10.6	18.5	-	7.9	12.1	-		1,399
Total Seed Weight										7,340