

ATTACHMENT 13

Watercourse Crossings

(1,240 Pages)

Attachment 13.1 Phase 2 Proposal Infrastructure Interactions with Waterbodies

Site ID	Area	Rail Chainage (m)	Diversion to	Diversion From	UTM		Project Interaction	Culvert Design Details from Hatch				Waterbody Type	Fish Habitat Designations	
					Easting	Northing		No. Barrels	Culvert Length (m)	Culvert Diameter (mm)	Slope (%)		Arctic Char	Ninespine Stickleback
P-Culv-34	Port				503074	7975479	Culvert	1	18.9	600	0.3	S	N	N
P-Culv-1	Port				503053	7975413	Pond Infilling + Culvert	1	16.1	600	0.3	P	N	N
P-Culv-2	Port				503005	7975214	Culvert	1	16.4	600	0.6	P	N	N
P-Culv-43	Port				502981	7975082	Culvert	1	16.7	600	0.2	Water Mgmt	N/A	N/A
P-Culv-19	Port				502942	7974862	Culvert	1	21.7	600	0.5	LP	N/A	N/A
P-Culv-3	Port		Stream south of infrastructure		502974	7974761	Culvert	1	19.5	600	2.8	LP	N/A	N/A
P-Culv-38	Port				503068	7974713	Pond Encroachment + Culvert	1	25.4	1200	0.2	P	N	N
P-Culv-20	Port				503260	7974699	Pond Infilling + Culvert	1	22.1	900	1.3	P	N	N
P-Culv-7	Port				503383	7974748	Culvert	1	16.4	900	1.7	LP	N/A	N/A
P-Culv-33	Port				503463	7974751	Culvert	1	17.9	900	4.8	LP	N/A	N/A
P-Culv-4	Port				503479	7974700	Culvert	1	18.2	600	3.0	LP	N/A	N/A
P-Culv-5	Port				503832	7974223	Stream + Pond Infilling	2	45.2	1200	0.5	S/P	N	N
CV-1-6	Port (Rail)	2369	CV-1-5		504292	7974064	Cut	N/A	N/A	N/A	N/A	S	N	N
CV-174-2	Port (Road)				504084	7974210	Culvert	1	42	600	5	LP	N/A	N/A
CV-174-1	Port (Road)				504044	7974276	Culvert	1	42	1500	5	Roadside Ditch	N/A	N/A
P-Culv-47	Port				504013	7974321	Culvert	1	18.6	600	2.3	LP	N/A	N/A
CV-1-5	Port (Rail)	1923		CV-1-6	503938	7974336	Culvert	1	58	1500	5	LP	N/A	N/A
P-Culv-48	Port				503913	7974415	Culvert	1	19.5	600	0.2	LP	N/A	N/A
P-Culv-23 (CV-1-4a)	Port			South Berm	503855	7974475	Culvert	2	35.9	900	1.1	Water Mgmt	N/A	N/A
P-Culv-13	Port				503829	7974679	Pond Infilling + Culvert	1	52.331	600	2.4	P	N	N
P-Culv-14	Port				503829	7974767	Pond Infilling + Culvert	1	53.795	600	2.8	P	N	N
P-Culv-14a	Port		P-Culv-6		503995	7974921	Diversion (North Berm)	N/A	N/A	N/A	N/A	S	N	N
P-Culv-11	Port				503993	7975052	Culvert	1	59.9	600	0.1	None	N/A	N/A
P-Culv-25	Port				503943	7975074	Culvert	1	10.2	1200	0.9	None	N/A	N/A
P-Culv-12	Port				503867	7975108	Culvert	1	53.9	600	0.1	None	N/A	N/A
CV-0-0E	Port (Road)				503831	7975411	Culvert	2	24	900	2	Drainage Ditch	N/A	N/A
P-Culv-6 (CV-0-1a)	Port			P-Culv-14a	503824	7975359	Culvert	1	61.4	1200	0.3	Drainage Ditch	N/A	N/A
CV-0-2	Port (Rail)	387	CV-0-1		504234	7975572	Cut	N/A	N/A	N/A	N/A	S	N	N
CV-0-1	Port (Rail)	330		CV-0-2	504289	7975593	Daylight + Culvert	1	12	900	1	S	N	N
CV-0-0C	Port (Road)				504282	7975606	Culvert	1	12	900	1	S	N	N
CV-0-0D	Port (Road)				504293	7975578	Culvert	1	12	900	1	S	N	N
CV-0-0B	Port (Road)				504637	7975731	Culvert	1	12	900	5	S	N	N
CV-0-0A	Port (Road)				504625	7975663	Culvert	1	12	900	5	S	N	N
CV-1-7	Rail	2911	CV-1-9		504662	7973667	Cut	N/A	N/A	N/A	N/A	S	N	N
CV-1-8	Rail	3247	CV-1-9		504895	7973426	Cut	N/A	N/A	N/A	N/A	S	N	N
CV-1-9	Rail	3301		CV-1-7 & CV-1-8	504926	7973382	Daylight + Culvert	1	18	900	1	S	N	N
CV-2-1	Rail	3648			505155	7973123	Daylight + Culvert	1	18	900	1	S	N	N
CV-2-2	Rail	3731			505217	7973068	Daylight + Culvert	1	18	900	1	S	N	N
CV-3-1	Rail	3964			505391	7972912	Culvert	1	18	900	1	S	N	N
CV-3-2	Rail	4009			505423	7972880	Culvert	1	12	900	1	S	N	N
CV-4-1	Rail	4403			505694	7972594	Daylight + Culvert	1	12	900	5	S	N	N
CV-4-2	Rail	4513			505769	7972515	Culvert	1	12	900	1	S	N	N
CV-4-3	Rail	4617			505842	7972438	Daylight + Culvert	1	12	900	1	S	N	N
CV-4-4	Rail	4687			505898	7972378	Culvert	1	36	900	1	S	N	N
CV-4-4a	Rail	4826			505985	7972287	Culvert	1	12	900	1	LP	N/A	N/A
CV-4-5	Rail	4947			506066	7972198	Culvert	1	18	900	1	S	N	N
CV-5-1	Rail	5138			506166	7972036	Culvert	3	12	900	1	S	N	N
CV-5-2	Rail	5180			506185	7971998	Culvert	1	12	900	1	S	N	N
CV-5-3	Rail	5408			506308	7971808	Daylight + Culvert	1	12	1500	1	S	N	N
CV-5-4	Rail	5706			506541	7971623	Daylight + Culvert	1	12	900	1	S	N	N
CV-5-5	Rail	5838	CV-5-7		506647	7971545	Cut	N/A	N/A	N/A	N/A	S	N	N
CV-5-6	Rail	5861	CV-5-7		506665	7971530	Cut	N/A	N/A	N/A	N/A	S	N	N
CV-5-7	Rail	6022		CV-5-5 & CV-5-6	506775	7971413	Daylight + Culvert	1	12	900	1	S	N	N
CV-6-0	Rail	6199			506892	7971280	Culvert	3	18	900	4	LP	N/A	N/A
CV-6-1	Rail	6239			506918	7971250	Culvert	2	24	1200	5	LP	N/A	N/A
CV-6-2	Rail	6557			507167	7971066	Daylight + Culvert	1	12	900	1	S	N	N
CV-6-3	Rail	6845			507413	7970906	Daylight + Culvert	2	12	900	1	S	N	N
CV-6-4	Rail	6936			507474	7970839	Daylight + Culvert	1	12	900	1	S	N	N
CV-7-1	Rail	7342			507727	7970521	Culvert	3	18	1200	5	LP	N/A	N/A
CV-7-2	Rail	7593			507884	7970325	Culvert	1	31	900	5	LP	N/A	N/A
CV-7-3	Rail	7762			507989	7970193	Culvert	1	18	900	5	LP	N/A	N/A
CV-7-5	Rail	7866			508054	7970112	Culvert	1	18	900	5	LP	N/A	N/A
CV-7-6	Rail	7909			508081	7970078	Culvert	1	18	900	5	LP	N/A	N/A
CV-8-0a	Rail	8030			508155	7969983	Culvert	1	12	900	2	LP	N/A	N/A
CV-8-0	Rail	8303			508289	7969746	Culvert	3	24	900	5	S	N	N
CV-8-1	Rail	8343			508304	7969709	Culvert	1	38	1200	5	S	N	N
CV-8-2	Rail	8380			508316	7969678	Culvert	1	44	1200	5	S	N	N
CV-8-3	Rail	8464			508342	7969594	Culvert	1	24	1200	5	P	N	N
CV-8-4	Rail	8727			508425	7969345	Culvert	1	18	900	5	LP	N/A	N/A
CV-8-5	Rail	8795			508458	7969285	Culvert	1	12	900	5	LP	N/A	N/A
CV-8-6	Rail	8955			508556	7969159	Culvert	1	12	900	5	LP	N/A	N/A
CV-9-1	Rail	9337			508806	7968873	Culvert	1	12	1500	1	S	N	N
CV-146-2	Tote Road				508738	7968874	Culvert	3	12	900	2	S	N	N
CV-146-2a	Tote Road				508769	7968779	Culvert	1	30	900	5	LP	N/A	N/A
CV-146-2b	Tote Road				508876	7968768	Culvert	1	18	600	2	LP	N/A	N/A
CV-146-2c	Tote Road				509023	7968625	Culvert	1	18	900	5	LP	N/A	N/A
CV-9-2	Rail	9778			509061	7968515	Culvert	1	18	900	5	LP	N/A	N/A
CV-10-1	Rail	10149			509340	7968271	Culvert	1	24	900	5	LP	N/A	N/A
CV-10-2	Rail	10562			509655	7968003	Culvert	1	24	900	5	LP	N/A	N/A
CV-10-5	Rail	10834			509853	7967818	Culvert	1	30	900	5	S	N	N
CV-11-1	Rail	10892			509887	7967771	Culvert	1	52	900	5	LP	N/A	N/A
CV-11-2	Rail	11224			510100	7967520	Culvert	1	24	900	5	LP	N/A	N/A
CV-11-2a	Rail	11292			510159	7967486	Culvert	2	24	900	5	LP	N/A	N/A
CV-11-3	Rail	11358			510220	7967461	Daylight + Culvert	1	12	900	4	S	N	N
CV-11-4	Rail	11632			510489	7967407	Culvert	1	12	900	5	LP	N/A	N/A
CV-11-5	Rail	11736			510590	7967383	Culvert	1	26	900	5	LP	N/A	N/A
CV-11-6	Rail	11809			510658	7967358	Culvert	1	24	900	5	LP	N/A	N/A
CV-11-7	Rail	11921			510761	7967314	Culvert	1	18	900	5	LP	N/A	N/A
CV-12-1	Rail	12115			510962	7967251	Culvert	1	59	900	5	LP	N/A	N/A
CV-12-2	Rail	12191			511020	7967242	Culvert	1	35	900	5	LP	N/A	N/A
CV-131-1	Tote Road				511269	7967089	Culvert	1	36	900	4	S	POT	Y
CV-131-1a	Tote Road				511245	7967211	Culvert	1	24	600	5	LP	N/A	N/A
CV-131-1b	Tote Road				511079	7967263	Culvert	1	18	900	5	Roadside Ditch	N/A	N/A
CV-12-4	Rail	12490			511315	7967194	Culvert	1	12	900	4	LP	N/A	N/A
CV-12-4b	Rail	12632			511455	7967168	Culvert	1	12	900	2	LP	N/A	N/A
CV-12-5	Rail	12731			511586	7967151	Culvert + Pond Infilling	1	12	900	2	P	N	N
CV-1														

CV-13-2	Rail	13218			512025	7967045	Culvert	1	12	900	1	LP	N/A	N/A
CV-13-4	Rail	13683			512419	7966799	Culvert	5	24	1800	1	S	Y	Y
CV-13-5	Rail	13846			512557	7966713	Culvert	1	12	900	2	LP	N/A	N/A
CV-13-6	Rail	14412			513067	7966473	Culvert	1	18	900	5	LP	N/A	N/A
CV-14-1	Rail	14600			513250	7966428	Culvert	1	12	900	1	LP	N/A	N/A
CV-14-2	Rail	14793			513435	7966375	Pond Infilling + Culvert	2	12	900	1	P	N	N
CV-14-3	Rail	14900			513534	7966333	Pond Infilling + Culvert	1	12	900	1	P	N	N
CV-15-1	Rail	14996			513621	7966292	Culvert	1	12	1500	4	LP	N/A	N/A
CV-15-2	Rail	15186			513774	7966181	Pond Infilling + Culvert	1	37	900	1	P/S	Y	Y
CV-15-3	Rail	15378			513893	7966031	Pond Infilling + Culvert	1	47	900	1	P	Y	Y
CV-15-4	Rail	15774			514123	7965711	Pond Infilling	N/A	N/A	N/A	N/A	P	N	N
CV-15-5	Rail	15917			514238	7965626	Bridge	N/A	N/A	N/A	N/A	S	Y	POT
CV-16-2	Rail	16682			514751	7965084	Pond Infilling	N/A	N/A	N/A	N/A	P	N	N
CV-16-2a	Rail	16733			514769	7965027	Culvert	1	24	900	1	LP	N/A	N/A
CV-16-3	Rail	16856			514801	7964917	Culvert	1	18	900	1	S	N	N
CV-17-1a	Rail	17759			515217	7964118	Pond Infilling + Culvert	1	12	900	2	P	N	N
CV-17-1	Rail	17862			515266	7964028	Pond Infilling + Culvert	1	18	900	2	P	N	N
CV-18-1	Rail	18054			515334	7963849	Pond Infilling + Culvert	1	53	1500	1	P	N	Y
CV-18-2	Rail	18225			515411	7963696	Culvert	1	24	900	2	S	N	N
CV-18-3	Rail	18588			515622	7963402	Culvert	1	18	900	1	LP	N/A	N/A
CV-18-4	Rail	18679			515688	7963340	Culvert	1	18	900	1	LP	N/A	N/A
CV-19-1	Rail	18956			515923	7963196	Pond Infilling + Culvert	1	27	900	1	S/P	N	N
CV-19-2	Rail	19237			516169	7963060	Culvert	1	30	900	3	LP	N/A	N/A
CV-19-3	Rail	19984			516675	7962519	Culvert	1	18	900	2	LP	N/A	N/A
CV-19-4	Rail	20159			516801	7962399	Culvert	1	18	900	2	LP	N/A	N/A
CV-19-5	Rail	20286			516910	7962333	Culvert	1	12	900	4	LP	N/A	N/A
CV-20-2	Rail	20767			517283	7962037	Culvert	1	12	900	1	S	N	N
CV-21-1	Rail	20937			517396	7961909	Culvert	1	12	900	5	LP	N/A	N/A
CV-21-2	Rail	21299			517635	7961638	Culvert	1	18	900	1	LP	N/A	N/A
CV-21-3	Rail	21741			517927	7961306	Culvert	1	24	900	5	LP	N/A	N/A
CV-22-1	Rail	22120			518113	7960977	Pond Infilling + Culvert	1	12	900	1	P	N	N
CV-22-2	Rail	22499			518232	7960617	Pond Encroachment	N/A	N/A	N/A	N/A	P	N	N
CV-22-3	Rail	22660			518282	7960464	Culvert	2	12	900	1	LP	N/A	N/A
CV-22-5	Rail	22984			518384	7960157	Culvert	2	12	900	3	LP	N/A	N/A
CV-118-1	Tote Road				518549	7959755	Culvert	1	12	900	2	LP	N/A	N/A
CV-118-2	Tote Road				518483	7959871	Culvert	1	18	600	5	LP	N/A	N/A
CV-118-3	Tote Road				518472	7959868	Culvert	1	18	600	5	LP	N/A	N/A
CV-23-1	Rail	23167			518441	7959983	Culvert	1	24	900	3	LP	N/A	N/A
CV-23-2	Rail	23416			518520	7959747	Culvert	1	18	900	1	LP	N/A	N/A
CV-23-3	Rail	23790			518698	7959419	Culvert	1	12	900	5	LP	N/A	N/A
CV-23-4	Rail	23910			518764	7959319	Culvert	1	18	900	3	LP	N/A	N/A
CV-24-1	Rail	24348			518981	7958954	Culvert	1	24	900	1	LP	N/A	N/A
CV-24-2	Rail	24639			519082	7958667	Culvert	1	24	900	2	LP	N/A	N/A
CV-24-3	Rail	24947			519230	7958399	Culvert	1	24	1800	3	LP	N/A	N/A
CV-24-4	Rail	25109			519339	7958279	Culvert	1	18	900	1	LP	N/A	N/A
CV-25-2	Rail	25318			519502	7958148	Culvert	1	18	900	1	LP	N/A	N/A
CV-25-3	Rail	25538			519670	7958007	Culvert	1	30	900	1	LP	N/A	N/A
CV-25-4	Rail	25728			519780	7957853	Culvert	3	12	1200	1	LP	N/A	N/A
CV-26-1	Rail	26184			519899	7957450	Pond Infilling + Culvert	1	18	900	1	P	N	N
CV-26-3	Rail	26485			520160	7957202	Culvert	3	12	900	3	LP	N/A	N/A
CV-26-4	Rail	26590			520220	7957116	Culvert	1	18	900	5	LP	N/A	N/A
CV-26-5	Rail	26886			520368	7956861	Culvert	1	18	900	2	LP	N/A	N/A
CV-27-1	Rail	26982			520393	7956768	Culvert	1	18	900	1	LP	N/A	N/A
CV-27-2	Rail	27016			520399	7956737	Culvert	3	12	1500	1	S	Y	N
CV-27-2A	Rail	27210			520417	7956542	Culvert	1	18	900	5	LP	N/A	N/A
CV-27-2B	Rail	27422			520470	7956337	Culvert	1	18	900	5	LP	N/A	N/A
CV-27-3	Rail	27534			520516	7956235	Culvert	1	18	1200	5	LP	N/A	N/A
CV-27-4	Rail	27649			520564	7956130	Culvert	1	18	1200	4	LP	N/A	N/A
CV-27-5	Rail	27972			520698	7955836	Culvert	1	12	900	4	LP	N/A	N/A
CV-28-2	Rail	28098			520749	7955721	Culvert	2	18	900	1	LP	N/A	N/A
CV-28-2a	Rail	28191			520781	7955634	Culvert	1	12	900	5	LP	N/A	N/A
CV-28-3	Rail	28568			520894	7955275	Culvert	1	24	900	3	LP	N/A	N/A
CV-28-4	Rail	28664			520936	7955188	Culvert	1	24	900	1	LP	N/A	N/A
CV-28-6	Rail	28943			521098	7954969	Culvert	2	24	1500	5	S	Y	N
CV-28-7	Rail	29294			521315	7954688	Culvert	1	12	900	5	S	N	N
CV-29-1	Rail	29382			521354	7954609	Culvert	1	18	900	5	S	N	N
CV-29-2	Rail	29476			521388	7954526	Plate Arch Culvert	3	52	Model No. SCA1 Span = 7 m Rise = 3.5 m Area = 19.2 m ²	3	S	Y	Y
CV-29-3	Rail	29706			521476	7954308	Culvert	1	18		5	S	N	N
CV-29-4	Rail	29832			521529	7954175	Culvert	1	18		5	S	N	N
CV-29-5	Rail	29911			521552	7954118	Culvert	1	24	900	5	S	N	N
CV-30-1	Rail	29989			521581	7954046	Culvert	1	19	1200	5	S	N	N
CV-30-1a	Rail	30014			521590	7954022	Culvert	1	18	900	5	S	N	N
CV-30-2	Rail	30128			521624	7953914	Pond Infilling + Culvert	1	24	900	5	P	N	N
CV-30-3	Rail	30361			521661	7953684	Culvert	1	18	900	2	LP	N/A	N/A
CV-30-4	Rail	30594			521686	7953452	Culvert	1	13	900	1	S	POT	N
CV-30-5	Rail	30711			521699	7953336	Culvert	3	13	900	1	S	Y	N
CV-30-6	Rail	30805			521709	7953242	Culvert	1	18	900	1	LP	N/A	N/A
CV-30-7	Rail	30899			521720	7953149	Pond Infilling + Culvert	1	18	900	1	P	N	N
CV-31-1	Rail	31247			521759	7952781	Culvert	2	24	1500	3	S	Y	N
CV-31-2	Rail	31277			521761	7952768	Culvert	2	24	1800	1	S	Y	N
CV-31-3	Rail	31528			521760	7952522	Culvert	2	13	900	4	LP	N/A	N/A
CV-31-4	Rail	31798			521822	7952260	Culvert	1	20	900	5	LP	N/A	N/A
CV-32-1	Rail	31879			521838	7952183	Culvert	1	22	900	5	LP	N/A	N/A
CV-32-2	Rail	32202			521903	7951868	Culvert	1	20	900	5	LP	N/A	N/A
CV-32-3	Rail	32439			521952	7951635	Culvert	1	16	900	4	LP	N/A	N/A
CV-32-4	Rail	32641			521983	7951435	Culvert	2	17	900	4	LP	N/A	N/A
CV-32-5	Rail	32687			521985	7951389	Culvert	1	12	900	5	LP	N/A	N/A
CV-32-6	Rail	32969			521992	7951107	Culvert	1	17	900	4	LP	N/A	N/A
CV-33-1	Rail	33066			521994	7951010	Culvert	1	20	900	5	LP	N/A	N/A
CV-33-2	Rail	33166			521995	7950910	Culvert	1	20	900	2	S	N	N
CV-33-4	Rail	33362			521979	7950715	Culvert	2	18	1500	5	S	N	N
CV-33-5	Rail	33460			521962	7950618	Culvert	2	16	1500	1	LP	N/A	N/A
CV-33-6	Rail	33529			521950	7950550	Culvert	2	16	900	1	S	Y	N
CV-33-6a	Rail	33913			521884	7950172	Culvert	3	12	1200	1	LP	N/A	N/A
CV-33-8	Rail	34314			521815	7949777	Culvert	1	18	1200	1	LP	N/A	N/A
CV-34-1	Rail	34423			521797	7949670	Culvert	1	24	900	1	LP	N/A	N/A
CV-34-1a	Rail	34537			521778	7949557	Culvert	1	18	900	5	LP	N/A	N/A
CV-34-1b	Rail	34779			521776	7949316	Culvert	1	12	900	1	LP	N/A	N/A
CV-34-2	Rail	34933			521793	7949163	Culvert	1	18	900	5	LP	N/A	N/A
CV-35-2	Rail	35289			521940	7948843	Plate Arch Culvert	4	49	Model No. SCA1 Span = 7 m Rise = 3.5 m Area = 19.2 m ²	1	S	Y	N

CV-35-3	Rail	35830			522224	7948389	Culvert	1	12	900	1	LP	N/A	N/A
CV-35-4	Rail	35934			522261	7948292	Culvert	3	18	1500	1	LP	N/A	N/A
CV-38-0	Rail	38146			522559	7946123	Culvert	1	18	900	5	LP	N/A	N/A
CV-38-1	Rail	38268			522582	7946004	Culvert	1	18	900	5	S	N	N
CV-38-2	Rail	38477			522653	7945807	Culvert	1	24	900	5	S	N	N
CV-38-3	Rail	38934			522843	7945403	Culvert	3	68	1800	5	S	N	N
CV-39-1	Rail	39483			523140	7944930	Culvert	1	45	1200	5	LP	N/A	N/A
CV-40-1	Rail	40135			523154	7944299	Culvert	1	18	900	5	LP	N/A	N/A
CV-40-2	Rail	40274			523157	7944160	Culvert	3	32	1500	5	S	N	N
CV-40-4	Rail	40750			523294	7943706	Culvert	1	12	900	1	LP	N/A	N/A
CV-41-1	Rail	41058			523333	7943400	Culvert	1	18	900	1	LP	N/A	N/A
CV-41-2	Rail	41128			523341	7943331	Culvert	1	18	900	1	LP	N/A	N/A
CV-41-4	Rail	41424			523360	7943036	Culvert	1	31	1200	1	LP	N/A	N/A
CV-42-1	Rail	42133			523424	7942334	Culvert	3	24	900	2	S	N	N
CV-42-1a	Rail	42300			523436	7942167	Culvert	1	18	900	2	LP	N/A	N/A
CV-42-1b	Rail	42550			523420	7941918	Culvert	1	12	900	2	LP	N/A	N/A
CV-42-2	Rail	42869			523478	7941606	Culvert	1	24	900	2	LP	N/A	N/A
CV-43-1	Rail	43256			523653	7941261	Culvert	3	24	900	3	S	N	N
CV-43-3	Rail	43450			523744	7941090	Culvert	4	24	1500	1	S	N	N
CV-43-5	Rail	43664			523850	7940904	Culvert	1	42	1500	3	S	Y	N
CV-43-6	Rail	43962			524015	7940656	Culvert	1	12	900	1	LP	N/A	N/A
CV-44-1	Rail	44066			524072	7940569	Culvert	1	12	900	4	LP	N/A	N/A
CV-44-2	Rail	44251			524175	7940415	Culvert	3	18	900	3	S	N	N
CV-44-3	Rail	44898			524513	7939864	Culvert	3	24	900	4	S	N	N
CV-45-0	Rail	45512			524818	7939331	Culvert	1	12	900	4	LP	N/A	N/A
CV-46-2	Rail	46456			525290	7938517	Culvert	3	12	900	1	LP	N/A	N/A
CV-46-3	Rail	46661			525376	7938332	Culvert	1	24	900	5	S	N	N
CV-46-4	Rail	46754			525393	7938241	Culvert	2	35	900	4	S	N	N
CV-46-6	Rail	46828			525404	7938168	Culvert	1	35	900	5	LP	N/A	N/A
CV-47-1A	Rail	46907			525415	7938089	Culvert	1	27	900	3	S	N	N
CV-47-1b	Rail	47062		CV-47-1c	525454	7937939	Culvert	1	18	1200	1	S	N	N
CV-47-1c	Rail	47303	CV-47-1b		525543	7937715	Cut	N/A	N/A	N/A	N/A	LP	N/A	N/A
CV-47-1	Rail	47680			525683	7937366	Plate Arch Culvert	2	34	Model No. SCA1 Span = 7 m Rise = 3.5 m Area = 19.2 m ²	1	S	Y	N
CV-47-2	Rail	47722			525698	7937327	Plate Arch Culvert	4	36	Model No. SCA1 Span = 7 m Rise = 3.5 m Area = 19.2 m ²	4	S	Y	N
CV-47-3	Rail	47787			525732	7937269	Culvert	2	27	1800	2	S	N	N
CV-47-3a	Rail	47920			525810	7937163	Culvert	1	33	900	4	LP	N/A	N/A
CV-48-2	Rail	48066			525918	7937066	Culvert	1	35	900	5	LP	N/A	N/A
CV-48-3	Rail	48512			526325	7936887	Culvert	1	18	900	4	LP	N/A	N/A
CV-48-4	Rail	48665			526464	7936822	Plate Arch Culvert	4	54	Model No. SCA1 Span = 7 m Rise = 3.5 m Area = 19.2 m ²	3	S	Y	N
CV-49-0	Rail	48907			526627	7936646	Culvert	1	18	900	3	LP	N/A	N/A
CV-49-1	Rail	49121			526690	7936443	Culvert	1	18	900	3	LP	N/A	N/A
CV-49-2	Rail	49464			526737	7936103	Culvert	1	12	1200	5	LP	N/A	N/A
CV-49-3	Rail	49827			526786	7935744	Culvert	1	27	1200	5	S	N	N
CV-50-1	Rail	50134			526828	7935440	Culvert	1	12	900	5	LP	N/A	N/A
CV-50-2	Rail	50405			526863	7935171	Culvert	1	36	900	2	LP	N/A	N/A
CV-50-3a	Rail	50491			526868	7935085	Culvert	1	36	900	2	LP	N/A	N/A
CV-50-4	Rail	50710			526876	7934864	Culvert	1	24	900	5	LP	N/A	N/A
CV-50-5	Rail	50952			526924	7934630	Culvert	4	33	1800	5	S	Y	N
CV-50-6	Rail	50960			526927	7934619	Culvert	3	37	1800	5	S	Y	N
CV-51-1	Rail	51171			526982	7934419	Culvert	1	24	900	5	LP	N/A	N/A
CV-51-1a	Rail	51860			527066	7933739	Culvert	1	24	900	5	LP	N/A	N/A
CV-51-2	Rail	51933			527061	7933666	Culvert	1	32	900	5	LP	N/A	N/A
CV-51-3	Rail	52202			527041	7933398	Culvert	1	18	900	5	LP	N/A	N/A
CV-51-4	Rail	52277			527037	7933323	Culvert	1	12	900	5	LP	N/A	N/A
CV-52-1	Rail	52630			527089	7932975	Culvert	1	12	900	5	LP	N/A	N/A
CV-52-1a	Rail	52770			527119	7932838	Culvert	1	12	900	3	LP	N/A	N/A
CV-52-2	Rail	52840			527142	7932772	Culvert	1	18	900	5	LP	N/A	N/A
CV-52-3	Rail	52917			527175	7932702	Culvert	1	18	900	5	LP	N/A	N/A
CV-53-0	Rail	53136			527298	7932521	Culvert	1	12	900	5	LP	N/A	N/A
CV-53-1	Rail	53231			527343	7932438	Culvert	1	18	900	1	LP	N/A	N/A
CV-53-1a	Rail	53335			527374	7932339	Culvert	1	18	900	5	LP	N/A	N/A
CV-53-1b	Rail	53650			527338	7932030	Culvert	1	32	900	5	LP	N/A	N/A
CV-53-1c	Rail	53744			527304	7931942	Culvert	1	24	900	2	LP	N/A	N/A
CV-54-1	Rail	54293			527320	7931407	Culvert	2	18	1500	3	S	Y	POT
CV-54-2	Rail	54870			527529	7930869	Culvert	2	18	900	2	LP	N/A	N/A
CV-55-1	Rail	55104			527580	7930641	Culvert	3	24	900	1	S	Y	POT
CV-55-2	Rail	55320			527619	7930429	Culvert	1	18	1200	3	LP	N/A	N/A
CV-060-0	Tote Road				527500	7930452	Culvert	1	30	1200	3	LP	N/A	N/A
CV-060-2	Tote Road				527747	7930275	Culvert	2	24	1500	3	S	Y	N
CV-060-3	Tote Road				527632	7930408	Culvert	1	24	600	5	LP	N/A	N/A
CV-060-4	Tote Road				527615	7930405	Culvert	1	24	600	5	LP	N/A	N/A
CV-55-3	Rail	55414			527636	7930336	Culvert	3	24	1500	1	S	Y	N
CV-56-1	Rail	56501			528081	7929346	Culvert	2	24	1500	1	S	Y	N
CV-57-1	Rail	57058			528320	7928843	Culvert	2	42	1500	2	S	Y	N
R3-1	Rail	57297		R3-2 flow to connect D/S of culvert at R3-1	528424	7928628	Culvert	1	15	1200	0.1	S	Y	N
CV-057a	Road	57245			528444	7928629	Culvert	1	15	900	0.1	S	Y	N
R3-2	Rail	57443	R3-1		528485	7928497	Diversion	N/A	N/A	N/A	N/A	S	Y	N
R3-3	Rail	57648			528573	7928310	Culvert	1	15	2400	0.1	S	Y	N
CV-057b	Road				528597	7928310	Culvert	1	15	2400	0.1	S	Y	N
R3-4	Rail	57716			528599	7928256	Culvert + Stream Infilling	1	15	900	0.1	S	N	N
CV-057c	Road				528621	7928256	Culvert + Stream Infilling	1	15	600	0.1	S	N	N
R3-7	Rail	57912		CV-057d	528704	7928075	Receiving Diversion	n/a	n/a	n/a	n/a	S	Y	N
R3-9	Rail	58173			528742	7927816	Culvert	1	15	900	1.7	LP	N/A	N/A
CV-057d	Road				528772	7927844	Diversion	N/A	N/A	N/A	N/A	S	Y	N
R3-11	Rail	58335	R3-7		528777	7927657	Culvert + Stream Infilling	1	15	900	1.9	S	N	N
CV-056	Road				528818.5	7927673.8	Culvert	1	15	900	1.9	S	N	N
R3-12	Rail	58435			528803	7927561	Culvert	1	15	900	0.1	S	N	N
CV-055	Road				528850.464	7927574.41	Culvert	1	15	600	1.5	S	N	N
R3-13	Rail	58500			528817	7927495	Culvert + Pond/Stream Infilling	1	15	900	0.1	P/S	N	N
R3-14	Rail	58521			528827	7927457	Culvert	1	18	900	20	S	N	N
R3-15	Rail	58622			528846	7927377	Culvert	1	15	900	0.1	S	N	N
R3-16	Rail	58667			528854	7927335	Culvert	1	17	1200	0.1	S	N	N
R3-17	Rail	58795			528884	7927210	Culvert	1	18	900	15	LP	N/A	N/A
R3-18	Rail	58822			528891	7927182	Culvert	1	21	900	10	S	N	N
R3-19	Rail	58943			528913	7927077	Culvert + Stream Infilling	1	45	2400	0.1	S	N	Y
R3-20	Rail	59089			528932	7926921	Culvert	1	66	1800	0.1	S	N	Y

R3-21	Rail	59244			528946	7926767	Culvert	1	52	1200	1.6	S	N	POT
R3-22	Rail	59300			528951	7926715	Culvert + Pond Infilling	1	62	1200	0.7	P	N	N
R3-23	Rail	59408			528962	7926603	Bridge	N/A	N/A	N/A	N/A	S	Y	Y
R3-25	Rail	59522			528969	7926475	Culvert	6	65	2400	0.5	S	Y	N
R3-26	Rail	59580			528966	7926431	Culvert	1	50	1200	7.7	S	N	N
R3-27	Rail	59690			528946	7926324	Culvert	1	25	900	4.8	S	N	N
R3-28	Rail	59724			528922	7926293	Lake Infilling	N/A	N/A	N/A	N/A	P	Y	Y
R3-29	Rail	59728			528937	7926290	Culvert	1	25	900	4.8	LP	N/A	N/A
R3-30	Rail	59904			528859	7926131	Culvert	1	42	1800	3.1	S	POT	Y
R3-31	Rail	60002			528804	7926050	Culvert	1	32	1200	2.9	S	N	N
R3-32	Rail	60164			528702	7925923	Culvert	1	28	900	4.4	S	N	N
R3-33	Rail	60384			528592	7925733	Culvert	1	52	1800	2.5	S	N	Y
R3-35	Rail	60525			528556	7925595	Culvert	1	15	900	5	LP	N/A	N/A
R3-36	Rail	60575			528548	7925539	Culvert	1	16	900	5	LP	N/A	N/A
R3-39	Rail	61012			528611	7925118	Culvert	1	32	1200	0.2	S	POT	POT
R3-40	Rail	61042			528624	7925086	Culvert	1	38	1800	0.5	S	POT	POT
R3-41	Rail	61251			528672	7924885	Culvert	1	18	900	0.1	LP	N/A	N/A
R3-42	Rail	61458			528709	7924701	Culvert	1	16	900	10	S	N	N
R3-43	Rail	61509			528713	7924633	Culvert	1	23	900	10	LP	N/A	N/A
R3-44	Rail	61525			528710	7924581	Culvert	1	20	900	5	S	N	N
R3-45	Rail	61619			528706	7924524	Culvert	1	16	900	10	LP	N/A	N/A
R3-46a	Rail	61848			528693	7924294	Culvert	1	82	1500	10	S	POT	POT
R3-47	Rail	62000			528684	7924142	Culvert	1	61	1200	4	S	N	N
R3-48	Rail	66231			528674	7923911	Culvert	1	16	1200	0.5	S	N	N
R3-49	Rail	62383			528662	7923758	Culvert	1	55	1200	7	LP	N/A	N/A
R3-50	Rail	62398			528663	7923748	Culvert	1	53	1200	7	LP	N/A	N/A
R3-51	Rail	62495			528657	7923647	Culvert	1	28	900	8	LP	N/A	N/A
R3-52	Rail	62708			528651	7923435	Culvert	1	38	1200	2.5	LP	N/A	N/A
R3-53	Rail	62799			528649	7923345	Culvert	1	60	900	0.6	LP	N/A	N/A
R3-54	Rail	62864			528653	7923278	Culvert	1	72	900	0.5	LP	N/A	N/A
R3-55	Rail	62924			528658	7923219	Culvert	1	21	900	4	LP	N/A	N/A
R3-56	Rail	63051			528670	7923092	Culvert	1	31	1500	10	LP	N/A	N/A
R3-57	Rail	63280			528692	7922864	Culvert	1	24	1500	20	LP	N/A	N/A
R3-57a	Rail	63410			528706	7922735	Culvert	1	20	900	15	S	N	N
R3-58	Rail	63513			528718	7922634	Culvert	1	24	1500	8	LP	N/A	N/A
R3-58a	Rail	63661			528747	7922496	Culvert	1	34	1500	3	LP	N/A	N/A
R3-59	Rail	63907			528838	7922263	Culvert	1	37	1200	2.5	LP	N/A	N/A
R3-60	Rail	63940			528853	7922234	Culvert	1	52	1200	2	LP	N/A	N/A
R3-62	Rail	64078			528921	7922113	Culvert	1	75	1200	7	LP	N/A	N/A
R3-64	Rail	64143			528957	7922051	Culvert	1	60	1200	8	LP	N/A	N/A
R3-65a	Rail	54245			528989	7921978	Culvert	1	70	1200	10	LP	N/A	N/A
R3-66	Rail	64315			529037	7921886	Culvert + Stream Infilling	2	22	1800	6	S	POT	N
R3-67	Rail	64407			529073	7921820	Culvert	1	30	900	0.6	LP	N/A	N/A
R3-68	Rail	64765		R3-69	529242	7921495	Culvert	4	40	1800	4	S	POT	POT
R3-69	Rail	64772	R3-68		529232	7921517	Stream Diversion	N/A	N/A	N/A	N/A	S	POT	POT
R3-70	Rail	65110			529346	7921164	Culvert	1	30	900	0.1	LP	N/A	N/A
R3-71	Rail	65174			529355	7921110	Culvert	1	30	900	2	LP	N/A	N/A
R3-73	Rail	65348			529397	7920942	Culvert	1	25	900	12	LP	N/A	N/A
R3-74	Rail	65400			529409	7920891	Culvert	1	35	1200	15	LP	N/A	N/A
R3-75	Rail	65735			529492	7920563	Culvert	1	16	1200	6	S	N	N
R3-76	Rail	65794			529504	7920507	Culvert	1	18	900	10	S	N	N
R3-78	Rail	65923			529534	7920384	Culvert	1	16	900	10	LP	N/A	N/A
R3-78a	Rail	65960			529545	7920347	Culvert	1	18	900	10	LP	N/A	N/A
R3-79	Rail	65986			529551	7920322	Culvert	1	18	900	10	LP	N/A	N/A
R3-80	Rail	66034			529559	7920284	Culvert	1	18	900	10	S	N	N
R3-81	Rail	66087			529574	7920223	Culvert	1	20	900	10	S	N	N
R3-82	Rail	66133			529586	7920178	Culvert	1	21	900	10	S	N	N
R3-83	Rail	66200			529601	7920113	Culvert	1	20	900	9	LP	N/A	N/A
R3-84	Rail	66242			529611	7920074	Culvert	1	20	900	9	S	N	N
R3-85	Rail	66364			529640	7919956	Culvert	1	60	1200	10	S	N	N
R3-86	Rail	66437			529658	7919884	Culvert	1	22	900	10	LP	N/A	N/A
R3-87	Rail	66485			529669	7919837	Culvert	1	40	1200	7	LP	N/A	N/A
R3-88	Rail	66509			529674	7919813	Culvert	1	45	1200	8	S	N	N
R3-89	Rail	66538			529680	7919785	Culvert	1	55	1200	7	S	N	N
R3-90	Rail	66604			529696	7919722	Culvert	1	35	900	9	S	N	N
R3-90a	Rail	66661			529709	7919666	Culvert	1	21	900	9	LP	N/A	N/A
R3-91	Rail	66694			529720	7919635	Culvert	1	35	1200	8	S	N	N
R3-92	Rail	66764			529734	7919573	Culvert	1	32	1200	6	LP	N/A	N/A
R3-93	Rail	66808			529742	7919520	Culvert	1	20	900	7	LP	N/A	N/A
R3-94	Rail	66852			529749	7919478	Culvert	1	20	900	10	LP	N/A	N/A
R3-95	Rail	66974			529762	7919358	Culvert	1	22	1200	10	S	POT	N
R3-96	Rail	67173			529783	7919159	Culvert	1	21	900	10	S	N	N
R3-97	Rail	67266			529793	7919067	Culvert	1	16	900	10	LP	N/A	N/A
R3-98	Rail	67401			529806	7918933	Culvert	1	15	1200	9	S	N	N
R3-99	Rail	67468			529812	7918865	Culvert	1	15	900	4	LP	N/A	N/A
R3-100	Rail	67548			529822	7918789	Culvert	1	15	900	2	LP	N/A	N/A
R3-101	Rail	67750			529843	7918585	Culvert	1	17	1200	3	S	N	N
R3-102	Rail	68016			529868	7918321	Culvert	1	17	900	4	S	N	N
R3-103	Rail	68642			529962	7918013	Culvert	1	18	900	10	LP	N/A	N/A
R3-104	Rail	68547			530089	7917854	Culvert	1	23	1800	0.5	S	N	N
R3-105b	Rail	68682			530195	7917772	Culvert	1	29	900	0.3	S	N	N
R3-106	Rail	68746			530252	7917739	Culvert	1	22	900	0.3	S	N	N
R3-107	Rail	68808			530308	7917715	Culvert	1	20	900	0.5	LP	N/A	N/A
R3-108	Rail	68872			530373	7917692	Culvert	1	26	900	0.5	LP	N/A	N/A
R3-109	Rail	69364			530853	7917698	Culvert	1	16	900	0.5	LP	N/A	N/A
R3-110	Rail	69511			531000	7917720	Culvert	1	20	900	0.8	S	N	N
R3-111	Rail	69586			531077	7917733	Culvert	1	20	900	0.8	LP	N/A	N/A
R3-112	Rail	69630			531118	7917738	Culvert	1	31	1200	0.8	LP	N/A	N/A
R3-113	Rail	69685			531172	7917747	Culvert	1	32	1200	0.9	LP	N/A	N/A
R3-114	Rail	69711			531200	7917751	Culvert	1	32	1200	1	S	N	N
R3-115	Rail	70193			531659	7917882	Culvert	2	18	900	0.5	S	N	N
R3-116	Rail	70245			531793	7917944	Culvert	1	18	1200	0.5	LP	N/A	N/A
R3-116a	Rail	70340			531705	7917902	Culvert	2	18	900	0.2	S	N	N
R3-117	Rail	70547			531961	7918028	Culvert	1	20	1200	0.3	LP	N/A	N/A
R3-118	Rail	70650			532015	7918056	Culvert	1	20	900	0.5	LP	N/A	N/A
R3-118a	Rail	70588			531983	7918039	Culvert	1	20	900	0.5	S	N	N
R3-119	Rail	70660			532052	7918075	Culvert + Stream Infilling	1	20	1200	0.5	S	POT	POT
R3-120	Rail	70925			532320	7918205	Culvert	1	24	900	0.5	LP	N/A	N/A
R3-121	Rail	71000			532384	7918238	Culvert	4	35	2400	0.6	S	Y	POT
CV-74-3	Rail	74704			532742	7918407	Culvert	1	36	900	4	LP	N/A	N/A
CV-74-4	Rail	74873			532892	7918484	Culvert	1	32	900	3	LP	N/A	N/A
CV-74-6	Rail	74952			532966	7918511	Culvert	1	39	900	5	LP	N/A	N/A
CV-74-7	Rail	75212			533223	7918537	Culvert	1	18	900	5	LP	N/A	N/A
CV-75-1	Rail	75390			533400	7918514	Culvert	1	18	900	5	S	N	N
CV-75-1a	Rail	75437			533446	7918508	Culvert	3	24	1200	4	S	N	N

CV-75-2	Rail	75549			533559	7918501	Culvert	1	24	600	5	LP	N/A	N/A
CV-76-1	Rail	75889			533896	7918535	Culvert	2	35	1200	4	S	N	N
CV-76-1a	Rail	76329			534334	7918576	Culvert	1	35	900	5	LP	N/A	N/A
CV-76-2	Rail	76501			534506	7918563	Culvert	1	18	900	5	LP	N/A	N/A
CV-76-3	Rail	76824			534825	7918512	Culvert	1	52	900	2	LP	N/A	N/A
CV-77-1	Rail	76987			534986	7918490	Culvert	1	24	900	5	LP	N/A	N/A
CV-77-2	Rail	77275			535272	7918513	Plate Arch Culvert	1	60	Model No. SCA1 Span = 7 m Rise = 3.5 m Area = 19.2 m ²	4	S	Y	N
CV-77-2a	Rail	77410			535407	7918512	Culvert	1	18	900	5	LP	N/A	N/A
CV-77-3	Rail	77495			535492	7918507	Culvert	1	18	900	5	LP	N/A	N/A
CV-78-1	Rail	77701			535698	7918502	Culvert	1	18	900	5	LP	N/A	N/A
CV-78-2	Rail	77888			535880	7918541	Culvert	1	24	900	5	LP	N/A	N/A
CV-78-3	Rail	78032			536010	7918603	Culvert	2	86	1200	5	S	POT	N
CV-78-5	Rail	78267			536205	7918735	Culvert	1	24	900	5	LP	N/A	N/A
CV-78-6	Rail	78538			536443	7918863	Culvert	1	12	900	4	LP	N/A	N/A
CV-78-7	Rail	78995			536860	7919050	Culvert	1	18	1200	2	LP	N/A	N/A
CV-79-0	Rail	79388			537242	7919138	Culvert	1	18	1200	2	S	N	N
CV-80-1	Rail	79600			537452	7919170	Culvert	2	30	1800	1	S	Y	POT
CV-80-1a	Rail	79627			537479	7919171	Culvert	1	34	900	2	S	N	N
CV-80-1b	Rail	80240			538055	7919336	Culvert	1	18	900	2	LP	N/A	N/A
CV-80-2	Rail	80590			538320	7919564	Culvert	1	24	1200	5	S	N	N
CV-80-2a	Rail	80575			538308	7919555	Culvert	1	24	1200	5	S	N	N
CV-80-2b	Rail	80606			538334	7919572	Culvert	1	24	1200	5	LP	N/A	N/A
CV-80-3	Rail	80747			538455	7919644	Culvert	1	24	900	5	LP	N/A	N/A
CV-80-4	Rail	80808			538508	7919674	Culvert	1	24	900	5	S	N	N
CV-80-5	Rail	80914			538600	7919727	Culvert	1	18	900	5	LP	N/A	N/A
CV-81-1	Rail	81016			538687	7919780	Culvert	1	18	900	5	LP	N/A	N/A
CV-81-2	Rail	81247			538867	7919924	Culvert	1	24	900	5	S	N	N
CV-81-3	Rail	81357			538942	7920005	Culvert	1	24	900	4	S	N	N
CV-81-4	Rail	81574			539077	7920175	Culvert	1	18	900	5	LP	N/A	N/A
CV-82-1	Rail	81664			539132	7920246	Culvert	2	18	1200	2	S	N	N
CV-82-2	Rail	82009			539375	7920489	Culvert	1	12	900	1	LP	N/A	N/A
CV-82-3	Rail	82172			539501	7920593	Culvert	1	12	900	1	LP	N/A	N/A
CV-82-4	Rail	82470			539730	7920784	Culvert	1	24	900	1	S	POT	Y
CV-83-1	Rail	82590			539822	7920861	Culvert	1	18	1200	1	S	Y	POT
CV-83-1a	Rail	82674			539887	7920914	Culvert	1	18	900	1	LP	N/A	N/A
CV-83-2	Rail	83036			540172	7921136	Culvert	2	18	1800	2	S	Y	Y
CV-84-1	Rail	83799			540830	7921521	Plate Arch Culvert	2	24	Model No. SCA16S Span = 4.26 m Rise = 2.1m	1	S	Y	Y
CV-213-1	Tote Road				540940	7921682	Culvert	1	18	900	1	LP	N/A	N/A
CV-84-2	Rail	84008			540966	7921678	Culvert	1	18	900	1	LP	N/A	N/A
CV-214-1	Tote Road				541189	7922097	Culvert	1	18	900	1	S	Y	Y
CV-84-3	Rail	84476			541202	7922083	Culvert	1	18	900	1	S	Y	Y
CV-214-2	Tote Road				541447	7922349	Culvert	1	18	900	1	LP	N/A	N/A
CV-85-1	Rail	84838			541455	7922333	Culvert	1	18	900	1	LP	N/A	N/A
CV-85-2	Rail	85167			541774	7922382	Culvert	1	18	1200	2	S	Y	Y
CV-215-1	Tote Road				541762	7922401	Culvert	1	18	1200	2	S	Y	Y
CV-215-1a	Tote Road				542022	7922298	Culvert	1	12	900	1	LP	N/A	N/A
CV-85-2a	Rail	85427			542014	7922288	Culvert	1	12	900	1	LP	N/A	N/A
CV-85-4	Rail	85645			542168	7922134	Bridge	N/A	N/A	N/A	N/A	S	Y	Y
CV-86-1	Rail	86273			542660	7921758	Pond Infilling + Culvert	1	12	900	5	P	N	N
CV-86-2	Rail	86378			542768	7921695	Plate Arch Culvert	3	24	Model No. SCA1 Span = 7 m Rise = 3.5 m Area = 19.2 m ²	1	S	Y	Y
CV-216-0	Tote Road				543116.357	7921516.42	Culvert	1	18	900	4	LP	N/A	N/A
CV-87-1	Rail	86806			543100	7921457	Pond Infilling + Culvert	1	12	900	1	P	N	N
CV-216-0a	Tote Road				543213	7921382	Culvert	1	18	600	1	LP	N/A	N/A
CV-216-0b	Tote Road				543207	7921374	Culvert	1	18	600	1	LP	N/A	N/A
CV-87-2	Rail	87158			543388	7921255	Culvert	1	18	900	1	S	Y	POT
CV-216-1	Tote Road				543361	7921210	Pond Infilling + Culvert	1	12	900	1	P	N	N
CV-216-2	Tote Road				543525	7921156	Pond Infilling + Culvert	1	12	900	1	P	N	N
CV-87-3	Rail	87328			543544	7921189	Culvert	1	12	900	1	LP	N/A	N/A
CV-87-4	Rail	87510			543724	7921163	Culvert	1	24	900	3	S	Y	Y
CV-88-1	Rail	87752			543962	7921199	Culvert	1	12	900	1	LP	N	N
CV-88-2	Rail	88013			544209	7921282	Culvert	1	29	900	1	S	Y	POT
CV-88-3	Rail	88072			544266	7921298	Culvert	1	29	900	4	S	Y	POT
CV-88-3a	Rail	88327			544517	7921339	Culvert	1	18	900	5	LP	N	N
CV-88-3b	Rail	88510			544700	7921334	Culvert	1	18	900	2	LP	N	N
CV-88-4	Rail	88970			545151	7921245	Culvert	1	12	900	2	LP	N	N
CV-89-1	Rail	89317			545490	7921173	Culvert	4	35	1500	1	S	Y	Y
CV-89-2	Rail	89936			545720	7921111	Pond Infilling + Culvert	4	24	1500	5	P	N	N
CV-90-1a	Rail	89941			546017	7920881	Culvert	4	24	1500	5	LP	N	N
CV-90-2	Rail	90441			546186	7920410	Culvert	1	12	900	5	S	N	N
CV-90-3	Rail	90659			546285	7920217	Culvert	1	24	900	5	LP	N	N
CV-90-4	Rail	90903			546460	7920049	Culvert	1	12	900	1	S	N	N
CV-91-0	Rail	91353			546864	7919850	Culvert	1	18	900	5	S	N	POT
CV-020-2	Tote Road				546893	7919846	Culvert	1	18	900	5	S	N	POT
CV-020-3	Tote Road				546887	7919833	Culvert	1	18	600	5	LP	N	N
CV-91-1	Rail	91424			546928	7919820	Culvert	1	18	900	5	S	N	N
CV-91-2	Rail	91516			547011	7919781	Culvert	1	18	900	2	S	N	POT
CV-91-0a	Tote Road				546996	7919894	Culvert	1	18	900	5	LP	N	N
CV-91-3	Tote Road				547123	7919788	Stream Infilling + Culvert	1	18	900	3	S	N	POT
CV-92-1b	Rail	91644			547126	7919723	Culvert	1	12	900	5	LP	N	N
CV-92-1	Rail	91699			547173	7919694	Pond Encroachment + Culvert	1	12	900	5	P	N	N
CV-92-2	Rail	92002			547412	7919508	Culvert	1	12	900	5	S	N	N
CV-92-3	Rail	92105			547501	7919457	Culvert	1	24	900	5	S	N	N
CV-92-4	Rail	92338			547706	7919347	Culvert	1	30	1500	5	LP	N	N
CV-92-5	Rail	92529			547876	7919260	Culvert	1	30	1500	4	S	Y	N
CV-92-7	Rail	92658			547999	7919222	Culvert	1	18	900	5	S	N	N
CV-92-9	Rail	92720			548060	7919211	Culvert	1	12	900	5	S	N	N
CV-93-1	Rail	92840			548179	7919194	Culvert	1	18	900	5	LP	N	N
CV-93-3	Rail	93430			548631	7918844	Culvert	1	47	900	5	LP	N	N
CV-93-3a	Rail	93510			548689	7918789	Culvert	1	63	900	2	S	N	N
CV-93-4a	Rail	93606			548767	7918733	Culvert	3	80	1800	5	S	Y	N
CV-93-4	Rail	93566			548733	7918755	Culvert	1	80	1200	5	S	Y	N
CV-94-2	Rail	94753			549840	7918392	Culvert	1	18	900	5	S	N	N
CV-95-1a	Rail	95112			550106	7918153	Culvert	1	24	900	5	LP	N	N
CV-95-2	Rail	95167			550143	7918112	Culvert	1	24	900	5	S	N	N
CV-95-3	Rail	95781			550497	7917613	Culvert	1	36	900	5	S	N	N
BG-17-1	Tote Road				550668	7917656	Culvert	1	36	900	5	Roadside Ditch Pond	N	N
CV-95-4	Rail	95966			550630	7917484	Culvert	1	36	900	5	S	N	N
BG-15-1a	Tote Road				550602	7917424	Culvert	2	24	900	5	LP	N	N
CV-95-4a	Rail	96024			550676	7917449	Culvert	1	30	1200	4	LP	N	N

CV-95-5	Rail	96063			550707	7917426	Culvert	2	27	900	5	S	N	N
BG-15-1b	Tote Road				550698	7917332	Culvert	2	18	900	3	S	N	N
CV-95-5a	Rail	96155			550781	7917371	Culvert	1	24	900	5	S	N	N
CV-95-6	Rail	96217			550831	7917334	Culvert	1	18	900	1	S	N	N
BG-14-1A	Tote Road				550818	7917348	Culvert	1	18	900	1	LP	N	N
CV-95-7	Rail	96285			550885	7917293	Culvert	1	22	900	5	LP	N	N
BG-14-1B	Tote Road				550863	7917216	Pond Encroachment + Stream Culvert	1	18	900	1	S/P	N	N
CV-96-1	Rail	96334			550925	7917264	Plate Arch Culvert	2	54	Model No. SCA1 Span = 7 m Rise = 3.5 m Area = 19.2 m ²	1	S	Y	Y
CV-96-2	Rail	96390			550970	7917230	Culvert	1	48	900	5	S	N	N
BG-14-1C	Tote Road				550943	7917162	Plate Arch Culvert	1	48	Model No. SCA1 Span = 7 m Rise = 3.5 m Area = 19.2 m ²	1	S	N	N
BG-13-1	Tote Road				551001	7917116	Culvert	4	36	1800	1	S	Y	Y
CV-97-1	Rail	96672			551173	7917036	Culvert	1	24	900	5	LP	N	N
CV-97-2	Rail	96747			551221	7916979	Culvert	1	18	900	5	S	N	N
CV-97-3	Rail	96793			551251	7916943	Culvert	1	30	900	1	S	N	N
CV-97-4	Rail	96853		CV-97-5 and CV-97-Sb	551291	7916898	Culvert	1	18	900	5	S	N	N
CV-97-5	Rail	97018	CV-97-4		551410	7916785	Cut	N/A	N/A	N/A	N/A	S	N	N
CV-97-5b	Rail	96900	CV-97-4		551323	7916865	Cut	N/A	N/A	N/A	N/A	S	N	N
CV-97-6	Rail	97074	CV-97-7		551451	7916749	Cut	N/A	N/A	N/A	N/A	LP	N	N
CV-97-7	Rail	97206		CV-97-6	551550	7916660	Culvert	1	24	900	1	S	N	N
CV-97-9	Rail	97283			551608	7916609	Culvert	1	18	900	2	S	N	N
CV-97-10	Rail	97505			551773	7916461	Culvert	1	24	900	5	S	N	N
CV-97-12	Rail	97655			551885	7916361	Culvert	1	18	900	5	S	N	N
CV-98-0	Rail	97800			551993	7916264	Culvert	1	64	900	5	LP	N	N
CV-99-1	Rail	98379			552464	7915929	Pond Infilling + Culvert	1	15	900	4	P	N	N
CV-99-1a	Rail	98852			552811	7915609	Culvert	1	18	900	2	LP	N	N
CV-99-2	Rail	99008			552944	7915529	Culvert	1	18	900	1	LP	N	N
CV-99-3	Rail	99342			553257	7915413	Culvert	4	48	1800	1	S	Y	Y
CV-100-1	Rail	99671			553573	7915323	Culvert	1	12	900	1	LP	N	N
CV-100-2	Rail	99990			553890	7915325	Culvert	1	12	900	1	LP	N	N
CV-100-3	Rail	100156			554047	7915378	Culvert	1	12	900	5	LP	N	N
CV-100-4	Rail	100303			554184	7915429	Culvert	2	18	900	1	S	Y	Y
CV-101-1	Rail	100794		CV-101-1a & -1b	554672	7915456	Culvert	1	27	1200	1	S	Y	Y
CV-101-1a	Rail	100893	CV-101-1		554772	7915455	Cut	N/A	N/A	N/A	N/A	S	Y	POT
CV-101-1b	Rail	101005	CV-101-1		554883	7915453	Cut	N/A	N/A	N/A	N/A	S	POT	POT
CV-101-1c	Rail	101302			555180	7915449	Culvert	1	12	900	5	LP	N	N
CV-101-2	Rail	101340			555218	7915448	Culvert	1	22	900	4	S	N	N
CV-102-1	Rail	101852			555730	7915442	Bridge	N/A	N/A	N/A	N/A	S	Y	N
CV-102-2	Mine (Rail)	102134			556012.368	7915438	Culvert	3	24	1200	1	S	Y	POT
CV-102-3	Mine (Rail)	102475			556352	7915471	Culvert	1	18	900	2	LP	N	N
CV-102-4	Mine (Rail)	102579			556456	7915469	Culvert	1	18	900	5	S	Y	Y
CV-102-4a	Mine (Rail)	103013			556885	7915404	Culvert	1	12	900	3	S	N	N
CV-102-5	Mine (Rail)	103244			557110	7915356	Culvert	1	30	900	4	S	N	N
CV-102-7	Mine (Rail)	103411			557269	7915304	Culvert	1	18	900	5	LP	N	N
CV-102-7a	Mine (Rail)	103532			557379	7915248	Pond Infilling	N/A	N/A	N/A	N/A	P	N	N
CV-102-7b	Mine (Rail)	103540			557401	7915231	Stream Infilling + Stream Diversion	N/A	N/A	N/A	N/A	S	N	N
CV-103-1	Mine (Rail)	103601			557449	7915244	Culvert	4	75	1800	4	S	Y	N
CV-104-0	Mine (Rail)	103670			557514	7915207	Stream Infilling	N/A	N/A	N/A	N/A	S	N	N
CV-104-1	Mine (Rail)	103732			557574	7915202	Culvert	1	30	900	5	S	N	N
CV-104-2	Mine (Rail)	104058	CV-104-3		557881	7915094	Cut/Diversion	4	24	900	5	S	Y	N
CV-104-3	Mine (Rail)	104179		CV-104-2	557990.907	7915044	Culvert	1	63	900	5	S	POT	N
CV-104-4	Mine (Rail)	104359			558154	7914967	Culvert	1	24	900	5	LP	N	N
CV-104-5	Mine (Rail)	104563			558338	7914880	Plate Arch Culvert	1	64	Model No. SCA1 Span = 7 m Rise = 3.5 m Area = 19.2 m ²	5	S	Y	N
CV-105-1	Mine (Rail)	104767			558523	7914793	Culvert	1	18	900	3	S	N	N
CV-105-2	Mine (Rail)	105000			558733	7914692	Culvert + Stream and Pond Infilling + Stream Diversion	1	18	900	1	S/P	Y	Y
CV-105-3	Mine (Rail)	105182			558854	7914617	Pond Encroachment + Culvert	1	18	900	5	P	Y	Y
CV-105-3a	Mine (Rail)	105374			559044	7914484	Culvert	1	40	900	2	LP	N	N
CV-105-4	Mine (Rail)	105592	downstream pond		559222	7914359	Stream Crossing + Stream Infilling + Stream diversion	1	30	900	2	S	Y	Y
CV-106-1	Mine (Rail)	105760			559360	7914263	Pond Infilling + Culvert	1	44	1200	1	P	Y	Y
CV-106-1a	Mine (Rail)	105810			559399	7914231	Stream Infilling + Diversion	N/A	N/A	N/A	N/A	S	Y	Y
CV-106-2	Mine (Rail)	106072			559616	7914084	Pond Infilling + Culvert	2	24	1500	1	P	Y	Y
CV-106-3	Mine (Rail)	106514			559980	7913834	Pond Encroachment	N/A	N/A	N/A	N/A	P	Y	Y
M-Culv-15	Mine (Road)				560110	7913719	Culvert	1	22.6	600	0.5	Water Mgmt	N/A	N/A
M-Culv-22	Mine (Rail)	103390			560150	7913767	Culvert	1	21.3	600	0.7	Water Mgmt	N/A	N/A
M-Culv-5	Mine (Road)				560354	7913759	Culvert	1	16.6	600	0.8	LP	N	N
CV-107-1	Mine (Rail)	106971			560409	7913682	Pond Infilling + Culvert	1	32	600	5	P	Y	Y
M-Culv-16	Mine (Road)				560513	7913699	Pond Infilling + Culvert	1	16.9	600	0.0	P	Y	Y
CV-107-3	Mine (Rail)	107258			560660	7913555	Pond Infilling + Culvert	1	35	600	1	P	N	N
M-Culv-3B	Mine (Rail)	103990			560664	7913503	Plate Arch Culvert	1	27.706	RECOMMENDED SUPER COR Arch SCA165: Span = 4.26 m, Rise = 2.1 m	2.4	S	Y	N
M-Culv-3A	Mine (Rail)	104015			560706	7913504	Plate Arch Culvert	1	55	Model No. SCA1 Span = 7 m Rise = 3.5 m Area = 19.2 m ²	4.1	S	Y	N
M-Culv-4	Mine (Road)				560752	7913497	Culvert	3	29.95	1500	0.7	S	Y	N
M-Culv-7	Mine				560941	7913198	Culvert	1	10.2	600	3.9	Water Mgmt	N/A	N/A
CV-108-2	Mine (Rail)	107722			560963	7913204	Culvert	1	24	900	5	LP	N	N
CV-108-2a	Mine (Rail)	107827			561031	7913124	Culvert	1	24	900	5	LP	N	N
M-Culv-8	Mine				561015	7913111	Culvert	1	9.9	600	1.3	LP	N	N
M-Culv-19	Mine				561180	7913002	Culvert	1	13.5	600	2.0	LP	N	N
M-Culv-18	Mine				561252	7913062	Culvert	1	13.5	600	0.4	S	N	N
M-Culv-14	Mine				561298	7913101	Culvert	1	13.1	900	1.2	LP	N	N
M-Culv-17	Mine				561342	7913138	Culvert	1	25.5	600	5.1	LP	N	N
M-Culv-20	Mine				561384	7913190	Culvert	1	6.6	600	5.1	LP	N	N
SWD-2 Receiving	Mine			SWD-2 Diversion	561356	7913040	Receiving Diversion	N/A	N/A	N/A	N/A	S	N	N
SWD-2 Diversion	Mine		SWD-2 Receiving		561438	7912893	Stream Diversion	N/A	N/A	N/A	N/A	S	Y	N
M-Culv-1	Mine		M-Culv-14		561427	7912883	Culvert	1	34.9	600	0.2	LP	N	N
M-Culv-2	Mine				561468	7912842	Culvert	1	40.0	600	0.3	LP	N	N
M-Culv-2a	Mine				561588	7912840	Culvert	2	65.979	900	1.5	S	N	N
M-Culv-21	Mine				561721	7912863	Culvert	1	31.7	600	0.5	LP	N	N
M-Culv-6	Mine				561331	7912741	Stream Crossing + Pond Encroachment	1	16.4	1200	2.4	S/P	N	N
M-Culv-9	Mine				561313	7912759	Culvert	1	21.8	600	2.9	Water Mgmt	N/A	N/A
CV-108-3	Mine (Rail)	108338			561366	7912738	Culvert	2	24	1500	5	S	N	N
M-Culv-10	Mine				561728	7912418	Culvert	1	10.0	600	5.0	Water Mgmt	N/A	N/A

CV-109-1	Mine (Rail)	108970			561860	7912344	Culvert	1	24	900	5	S	N	N
CV-109-2	Mine (Rail)	109118			561976	7912252	Culvert	1	15	900	5	LP	N	N
M-Culv-13	Mine				562044	7912123.99	Culvert	1	13.7	600	6.3	S	N	N
M-Culv-12	Mine				561977	7912184	Culvert	2	11.6	600	8.4	LP	N	N
M-Culv-11	Mine				561849	7912305	Culvert	1	15.0	600	2.9	LP	N	N
CV-110-4	Mine (Rail)				561546	7912425	Pond Infilling + Culvert	2	30	1200	5	P	N	N
CV-110-3	Mine (Rail)				561445	7912240	Pond Infilling + Culvert	2	30	1200	5	P	N	N
CV-110-2	Mine (Rail)				561266	7912241	Pond Infilling + Culvert	2	30	1200	5	P	N	N
CV-110-1	Mine (Rail)				561084	7912910	Culvert	2	30	1200	5	S	N	N

FOOTNOTES:

LP = Low point; N = No; N/A = Not applicable; P = Pond; POT = Potential; S = Stream; Y = Yes