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HUNT CLUB ROAD OVER MILL CREEK
SCHEDULE OF EARTH EXCAVATION/EMBANKMENT QUANTITIES
QTO BY: AP
CHECKED BY: CRF

STATION	DISTANCE (FT)	EARTH EXCAVATION			EARTH EMBANKMENT			
		AREA (SQ FT)	AVG AREA (SQ FT)	VOLUME (CU YD)	AREA (SQ FT)	AVG AREA (SQ FT)	VOLUME (CU YD)	
HUNT CLUB ROAD								
113+31.22	18.78	0.00	9.11	6.33	0.00	0.13	0.09	
113+50.00	50.00	18.21	31.89	59.05	0.26	2.93	5.43	
114+00.00	31.22	45.56	40.01	46.26	5.60	6.61	7.64	
114+31.22	34.46				7.62			
114+50.00	18.78		31.84	22.15	13.58	10.60	7.37	
114+50.00	50.00	29.22	24.27	44.94	32.55	60.27		
115+00.00	19.31		18.91	35.02	51.51	51.76	95.85	
115+50.00	18.51		14.74	27.29	52.01	51.15	94.71	
116+00.00	21.50	10.96	5.48	4.36	50.28	25.16	20.03	
116+21.50	0.00				0.03			
116+98.50	0.08				0.00			
117+00.00	1.50	0.34	0.21	0.01	89.18	44.59	2.48	
117+50.00	50.00	0.47	0.41	0.75	44.84	67.01	124.09	
118+00.00	50.00	0.44	0.46	0.84	37.15	41.00	75.92	
118+50.00	50.00	0.44	1.11	2.06	31.61	58.53		
119+00.00	50.00	7.03	4.41	8.16	2.27	14.17	26.23	
119+50.00	1.00	4.21	5.62	10.41	0.00	1.14	2.10	
119+51.00	0.00		2.11	0.08	0.00	0.00	0.00	
SUBTOTAL EARTH EXCAVATION		267.70			SUBTOTAL FILL			580.74
SUMMARY OF EARTHWORK ITEMS								
ITEM	UNSATURABLE	EARTH EX.	ITEM	CROSS SECTION SUBTOTAL	EMBANK.			
CROSS SECTION SUBTOTAL		268	ITEM	COMPACTION FACTOR (20% OF FILL)	116			
ESTIMATED UNDER CUT (7% OF CUT QUANTITY)	19	19						
ESTIMATED TOPSOIL STRIPPING	203	203						
TOTALS	223	490	697					
BALANCE (CUT - FILL) (+) EXCESS (-) BORROW		-430						

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HUNT CLUB OVER MILL CREEK
SCHEDULE OF PAVEMENT MATERIALS
QTO BY: AP
CHECKED BY: CRF

BEGIN STATION	END STATION	OFFSET (LT/RT)	DESC	AREA (SQ FT)	AGG SHLDRS TY A, SPL (TON)	BS REM MILLING (SQ YD)	AREA REF CRACK (SQ YD)	BC SC SUPER MIX D, N70 (TON)	BC SC BINDER MIX D, N70 (TON)	LEVELING BINDER VARIABLE (TON)	BIT SHOULDER 6" (SQ YD)	BRIDGE APPROACH PAVEMENT (SQ YD)	PRIME COAT (SQ YD)
113+31.22	113+50.00	RT	AGG SHOULDERS	38	2								
113+31.22	113+92.25		GRIND & OVERLAY	1704		190	190	16					190
113+31.22	114+22.68	LT	AGG SHOULDERS	418	16								
113+31.22	115+91.50		SURFACE COURSE	7277			68						809
113+31.22	116+21.50	RT	BIT SHOULDER	2182							243		243
113+92.25	114+10.15		LEVELING BINDER	501			56			8			56
114+00.00		LT	FIELD ENTRANCE	373	14								
114+10.15	115+91.50		BINDER COURSE	5078				456					565
114+18.68	116+21.50	LT	BIT SHOULDER	1371							153		153
114+39.76	114+64.05	LT	AGG SHOULDERS	45	2								
115+91.50	116+21.50		APPROACH PAVEMENT	1233								137	
116+98.50	117+28.50		APPROACH PAVEMENT	1233								137	
116+98.50	118+78.99	RT	BIT SHOULDER	1231							137		137
116+98.50	119+37.90	LT	BIT SHOULDER	1732							193		193
117+28.50	118+66.67		BINDER COURSE	3869				217					430
117+28.50	119+50.00		SURFACE COURSE	6203			58						690
118+59.72	119+50.00	RT	AGG SHOULDERS	336	13								
118+66.67	118+90.97		LEVELING BINDER	680			76			10			76
118+90.97	119+50.00		GRIND & OVERLAY	1659		185	185	16					185
119+19.09	119+50.00	LT	AGG SHOULDERS	79	3								
SUBTOTAL					50	375	507	158	679	18	726	274	3727
10% CONTINGENCY					5	38	51	16	67	2	73	27	373
TOTAL					55	413	558	174	740	20	799	302	4100
BITUMINOUS MATERIALS (PRIME COAT) (0.4 GALLONS/SQ YD)					1640								

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HUNT CLUB ROAD OVER MILL CREEK
SCHEDULE OF TOPSOIL STRIPPING
QTO BY: AP
CHECKED BY: CRF

FROM	TO	LT/RT	TOPSOIL STRIP AREA (SQ YD)
113+31.22	116+00.00	LT	465
113+31.22	116+08.31	RT	630
117+17.00	119+25.00	LT	368
117+14.55	119+25.00	RT	367
SUBTOTAL (SQ YD)			1830
ASSUMED 4" THICKNESS			0.33
TOTAL (CU YD)			203

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HUNT CLUB OVER MILL CREEK
SCHEDULE OF TREES
QTO BY: AP
CHECKED BY: CRF

STATION	OFFSET	LT/RT	BUR OAK	GREEN ASH
114+25.00	35.0	RT	1	
114+50.00	36.0	RT		1
114+75.00	36.0	RT	1	
115+00.00	36.0	RT		1
115+38.00	37.0	RT	1	
115+77.00	38.0	RT		1
TOTAL			3	3

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HUNT CLUB OVER MILL CREEK
SCHEDULE OF SEWER PIPING
QTO BY: AP
CHECKED BY: CRF

BEGIN STATION	LT/RT	END STATION	LT/RT	METAL END SECTION, 12"	METAL END SECTION, 15"	TYPED INLET BOX STD. 609006 (EACH)	PIPE DRAINS, CS, 12" (FOOT)	CONCRETE THRUST BLOCKS (EACH)	PIPE CULVERT, 15" (FT)
114+16.22	LT	114+46.22	LT						27
114+16.22	LT				1				
114+46.22	LT				1				
117+07.88	LT			1		1	19	1	
117+07.88	RT			1		1	16	1	
TOTAL				2	2	2	35	2	27

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HUNT CLUB OVER MILL CREEK
SCHEDULE OF PAVEMENT MARKINGS
QTO BY: AP
CHECKED BY: CRF

BEGIN STATION	END STATION	PAVEMENT MARKING LINE						
		THERMOPLASTIC 4" (FOOT)	THERMOPLASTIC 5" (FOOT)	PAINT 4" (FOOT)	PAINT 5" (FOOT)	SHORT TERM 4" (FOOT)	TEMPORARY 4" (FOOT)	REMOVAL 4" (FOOT)
113+31.22	115+91.50	521	521			52	1042	1094
115+91.50	117+28.50			274	274	27	548	575
117+28.50	119+50.00	443	443			44	886	930
TOTAL		964	964	274	274	124	2476	2600

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HUNT CLUB ROAD OVER MILL CREEK
SCHEDULE OF REMOVAL ITEMS
QTO BY: AP
CHECKED BY: CRF

BEGIN STATION	END STATION	LT/RT	GUARDRAIL REMOVAL (FOOT)	FENCE RELOCATION (FOOT)	TREE - 15" (INCHES)	TREE +15" (INCHES)
113+98.74		RT			12	
113+99.65		RT			14	
114+00.59		RT			12	
114+16.74		RT				20
114+56.93		RT				20
114+69.51		RT				18
115+47.67	116+36.67	RT	89			
115+47.89	116+36.73	LT	89			
116+82.62	118+21.47	RT	139			
116+82.63	118+21.35	LT	139			
116+98.66	118+82.57	LT		184		
TOTAL			456	184	38	58

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HUNT CLUB ROAD OVER MILL CREEK
SCHEDULE OF SEEDING AND RELATED ITEMS
QTO BY: AP
CHECKED BY: CRF

BEGIN STATION	END STATION	LT/RT	F&P TS 4" (SQ YD)	SEEDING CL 2A (ACRE)	SEEDING CL 3 (ACRE)	MULCH METHOD 2 (TON)	EROSION CONTROL FABRIC (SQ YD)
113+31.22	113+75.00	RT		0.019		0.038	
113+31.22	114+22.68	LT		0.031		0.062	
113+31.22	116+00.00	LT	419				
113+31.22	116+08.31	RT	491				
113+75.00	116+21.50	RT			0.068		397
114+39.76	114+75.00	LT		0.013		0.027	
114+75.00	116+11.50	LT			0.046		203
116+00.00	116+35.94	LT	54				
116+08.31	116+35.82	RT	46				
116+83.42	117+17.00	LT	52				
116+84.97	117+14.34	RT	51				
116+98.50	119+25.00	RT			0.067		295
117+14.55	119+25.00	RT	298				
117+08.50	119+25.00	LT			0.055		252
117+17.00	119+25.00	LT	251				
SUBTOTAL			1662	0.063	0.237	0.127	1147
10% CONTINGENCY			166	0.006	0.024	0.013	115
TOTAL			1828	0.07	0.26	0.14	1262
TOTAL SEEDING CLASS 2A, AND 3 (ACRE)				0.33			
NITROGEN FERTILIZER @ 90.0 LBS/ACRE				34			
PHOSPHORUS FERTILIZER @ 90.0 LBS/ACRE				34			
POTASSIUM FERTILIZER @ 90 LBS/ACRE				34			
SUPPLEMENTAL WATERING 2 1/3 GAL/SY (1000 GAL/UNIT)				11			

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HUNT CLUB OVER MILL CREEK
SCHEDULE OF GUARDRAIL AND RELATED ITEMS
QTO BY: AP
CHECKED BY: CRF

BEGIN STATION	LT/RT	END STATION	LT/RT	SPBG TERMINAL TYPE 1, SPECIAL (EACH)	SPBG TERMINAL TYPE 5 (EACH)	SPBG (FT)
113+90.00	RT			1		
114+40.00	RT	116+08.25	RT			168
114+98.00	LT			1		
115+48.00	LT	116+08.25	LT			60
115+90.00	LT	116+21.50	LT		1	
115+90.00	RT	116+21.50	RT		1	
116+98.50	LT	117+30.00	LT		1	
116+98.50	RT	117+30.00	RT		1	
117+11.75	LT	118+30.00	LT			118
117+11.75	RT	117+71.00	RT			59
118+21.00	RT			1		
118+80.00	LT			1		
TOTAL				4	4	405
GUARDRAIL REFLECTORS = 25/FOOT				17		

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HUNT CLUB ROAD OVER MILL CREEK
SCHEDULE OF EROSION CONTROL MEASURES
QTO BY: AP
CHECKED BY: CRF

BEGIN STATION	END STATION	LT/RT	PERIMETER EROSION BARRIER (FOOT)	TEMP DITCH CHECK, SPECIAL (EACH)
113+31.22	114+22.68	LT	92	
113+31.22	116+36.82	RT	320	
114+00.00		RT		1
114+39.76	116+34.81	LT	208	
114+50.00		LT		1
115+00.00		RT		1
115+50.00		LT		1
116+00.00		RT		1
116+83.42	119+25.00	LT	257	