

**EARTHWORK SCHEDULE**

LOCATION			EARTH EXCAVATION	REMOVAL OF UNSUITABLE MATERIAL	EMBANKMENT	EXCAVATION TO BE USED IN EMBANKMENT (ADJ. FOR SHRINKAGE) 20%	EARTHWORK BALANCE** EXCESS (+) SHORTAGE (-)
STATION	TO	STATION	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
<b>NIEMANVILLE TRAIL (AREA WITHIN R.O.W.)</b>							
1+00.00	-	1+75.67	316	11	425	253	-172
2+21.00	-	4+00.00	1028	35	1046	822	-224
<b>AREA OUTSIDE OF R.O.W (DAM AND SPILLWAY GRADING)</b>							
1+00.00	-	4+50.00	262		5370	210	-5160
<b>EARTH ON ROADWAY</b>							
1+00.00	-	1+75.67	810			648	648
<b>STRUCTURE EXCAVATION</b>				565			
<b>EMBANKMENT BELOW STRUCTURE</b>					250		-250
<b>COFFERDAM EXCAVATION</b>				300			
<b>TOTAL</b>			2416	911	7091	1933	-5158

**RIPRAP SCHEDULE**

STATION / LOCATION			LT/RT	STONE DUMPED RIPRAP, CLASS A4	FILTER FABRIC
STATION	TO	STATION		(TON)	(SQ. YD.)
<b>NIEMANVILLE TRAIL</b>					
1+25.67	-	1+90.00	LT	21	28
1+78.00	-	2+18.00	RT	133	178
2+10.94	-	5+51.33	LT	157	210
4+95.69	-	5+13.00	RT	34	45
<b>TOTALS</b>				345	461

**CONTROLLED LOW STRENGTH MATERIAL SCHEDULE**

STATION / LOCATION	AREA	THICKNESS	CONTROLLED LOW STRENGTH MATERIAL (MX 2)	CONTROLLED LOW STRENGTH MATERIAL (MX 3)
	(SQ FT)	(FOOT)	(CU YD)	(CU YD)
<b>NIEMANVILLE TRAIL</b>				
SPILLWAY STILLING BASIN	1713.9	0.33	21.2	
SPILLWAY CHUTE	1571.5	0.33	19.4	
SPILLWAY WEIR	1905.0	0.33	23.5	
UPSTREAM AREA	20.0	36.00		26.7
DOWNSTREAM AREA	100.0	36.00		133.3
<b>TOTALS</b>			64.1	160.0