

LITTLE TOBACCO INTERCOUNTY DRAIN GRADE TABLE

STATION	AVE. GRD. ELEV.	EXIST. BOTTOM ELEV.	PROPOSED BOTTOM ELEV.	BTM CUT (FT.)	BANK CUT (FT.)	BTM WIDTH (FT.)	GRADE (FT/FT)	
0+00 P.O.B	802.70	798.30	799.01	0.00	3.69	14' w/ 2' Bench		
							0.0019	
0+28	803.84	798.26	799.06	0.00	4.78	14' w/ 2' Bench		
							0.0019	
2+00	801.21	799.40	799.34	0.06	1.87	14' w/ 2' Bench		
							0.0019	
2+48	800.73	798.74	799.42	0.00	1.31	14' w/ 2' Bench		
							0.0019	
3+00	CONSTRUCT SEDIMENT BASIN							
							0.0019	
4+00	803.40	800.00	799.67	0.33	3.73	14' w/ 2' Bench		
							0.0019	
6+00	805.30	799.90	800.00	0.00	5.30	14' w/ 2' Bench		
							0.0019	
7+07.6	805.01	800.94	800.18	0.76	4.83	14' w/ 2' Bench		
							0.0019	
8+00	804.80	799.60	800.34	0.00	4.46	14' w/ 2' Bench		
							0.0019	
10+00	804.30	800.40	800.67	0.00	3.63	14' w/ 2' Bench		
							0.0019	
10+70.5	804.11	801.08	800.79	0.29	3.32	14' w/ 2' Bench		
							0.0019	
12+00	804.10	800.70	801.00	0.00	3.10	14' w/ 2' Bench		
							0.0019	
14+00	804.00	800.80	801.33	0.00	2.67	14' w/ 2' Bench		
							0.0019	
14+20.5	804.02	800.78	801.37	0.00	2.65	14' w/ 2' Bench		
							0.0019	
16+00	804.60	801.80	801.67	0.13	2.93	14' w/ 2' Bench		
							0.0019	
18+00	805.30	801.70	802.00	0.00	3.30	14' w/ 2' Bench		
							0.0019	
18+40.7	805.46	801.42	802.07	0.00	3.39	14' w/ 2' Bench		
							0.0019	
20+00	805.50	802.50	802.33	0.17	3.17	14' w/ 2' Bench		
							0.0019	
22+00	805.50	802.40	802.66	0.00	2.84	14' w/ 2' Bench		
							0.0019	
23+20.3	805.53	802.62	802.86	0.00	2.67	14' w/ 2' Bench		
							0.0019	
24+00	805.65	803.20	802.99	0.21	2.66	14' w/ 2' Bench		
							0.0019	
26+00	805.80	803.10	803.33	0.00	2.47	14' w/ 2' Bench		
							0.0019	
28+00	805.80	803.60	803.66	0.00	2.14	14' w/ 2' Bench		
							0.0019	
28+61.2	805.99	802.55	803.76	0.00	2.23	14' w/ 2' Bench		
							0.0019	
30+00	805.90	803.30	803.99	0.00	1.91	14' w/ 2' Bench		
							0.0019	
31+91.4	807.79	802.02	804.29	0.00	3.50	14' w/ 2' Bench		
							0.0019	
32+00	805.20	802.50	804.31	0.00	0.89	14' w/ 2' Bench		
							0.0019	
32+36.7	808.20	EX DS INV OF WB US 10						GRADE CHANGE
							0.00127	
33+14.3	804.21	EX US INV OF WB US 10						
							0.00127	
33+24.3	809.80	802.96	804.48	0.00	5.32	14' w/ 2' Bench		
							0.00127	
34+00	810.00	803.40	804.56	0.00	5.44	14' w/ 2' Bench		
							0.00127	
35+45.6	810.24	804.17	804.73	0.00	5.51	14' w/ 2' Bench		
							0.00127	
36+00	810.40	804.80	804.79	0.01	5.61	14' w/ 2' Bench		
							0.00127	
36+45.6	810.44	804.75	804.84	0.00	5.60	14' w/ 2' Bench		
							0.00127	
36+88.6	810.52	802.34	804.89	0.00	5.63	14' w/ 2' Bench		
							0.00127	
37+03.8	PROP INV 803.98 PROP DB 804.98			PROP DS END EB US 10 DONE BY MDOT 2018				

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STATION	AVE. GRD. ELEV.	EXIST. BOTTOM ELEV.	PROPOSED BOTTOM ELEV.	BTM CUT (FT.)	BANK CUT (FT.)	BTM WIDTH (FT.)	GRADE (FT/FT).	
38+00	810.70	806.20	805.00	1.20	5.70	14' w/ 2' Bench		
							0.00127	
38+05.8	PROP INV 804.11 PROP DB 805.11						PROP US END EB US 10 DONE BY MDOT 2018	
							0.00127	
38+13.6	810.70	805.30	805.03	0.27	5.67	14' w/ 2' Bench		
							0.00127	
38+31	CONSTRUCT SEDIMENT BASIN							
							0.00127	
38+75.6	810.34	804.90	805.10	0.00	5.24	14' w/ 2' Bench		
							0.00127	
39+71.4	809.78	806.22	805.21	1.01	4.57	14' w/ 2' Bench		
							0.00127	
40+00	809.62	806.10	805.24	0.86	4.38	14' w/ 2' Bench		
							0.00127	
40+72.2	809.20	806.18	805.32	0.86	3.88	14' w/ 2' Bench		
							0.00127	
42+00	808.80	806.10	805.47	0.36	3.33	14' w/ 2' Bench		
							0.00127	
43+39.8	809.37	806.50	805.62	0.88	3.75	14' w/ 2' Bench		
							0.00127	
44+00	809.56	806.80	805.69	1.11	3.87	14' w/ 2' Bench		
							0.00127	
46+00	810.20	808.60	805.92	2.68	4.28	14' w/ 2' Bench		
							0.00127	
46+72	810.43	808.83	806.66	2.83	4.43	14' w/ 2' Bench		
							0.00127	
48+00	810.60	807.60	806.14	1.46	4.46	14' w/ 2' Bench		
							0.00127	
48+98	810.72	808.63	806.25	2.38	4.47	14' w/ 2' Bench		
							0.00127	
50+00	811.40	808.40	806.37	2.03	5.03	14' w/ 2' Bench		
							0.00127	
50+88	811.98	807.26	806.47	0.79	5.51	14' w/ 2' Bench		
							0.00127	
50+95	811.98	807.86	806.47	1.39	5.51	14' w/ 2' Bench		
							0.00127	
50+82.7	PROP INV 805.51 PROP DB 806.51			PROP DS END OF BOX EBERHART RD				
							0.00127	
51+33.4	807.56	SOUTH PIPE EX DS INV EBERHART RD						
							0.00127	
50+98.1	807.53	NORTH PIPE EX DS INV EBERHART RD						
							0.00127	
51+33.4	807.98	SOUTH PIPE EX US INV EBERHART RD						
							0.00127	
51+43.5	808.26	NORTH PIPE EX US INV EBERHART RD						
							0.00127	
51+48.7	PROP INV 805.59 PROP DB 806.59			PROP US END OF BOX EBERHART RD				
							0.00127	
51+44.5	811.60	808.59	806.53	2.06	5.07	14' w/ 2' Bench		
							0.00127	
52+00	810.70	808.90	806.59	2.31	4.11	14' w/ 2' Bench		
							0.00127	
52+34.5	810.96	808.28	806.63	1.65	4.33	14' w/ 2' Bench		
							0.00127	
53+90	812.13	808.49	806.81	1.68	5.32	14' w/ 2' Bench		
							0.00127	
54+00	812.20	808.80	806.82	1.98	5.38	14' w/ 2' Bench		
							0.00127	
54+95.6	812.29	809.49	806.93	2.56	5.36	14' w/ 2' Bench		
							0.00127	
55+16.9	806.95	EX DS INV OF NB US 127						
							GRADE CHANGE EXISTING	
56+00	812.27	807.00	806.91	0.09	5.36	16' w/ 2' Bench		
							EXISTING	
56+19.4	806.90	EX US INV OF NB US 127						
							EXISTING	
57+34.4	812.25	808.57	808.05	0.52	4.20	16' w/ 2' Bench		
							EXISTING	
57+71.2	808.30	EX DS INV OF SB US 127						
							EXISTING	
58+00	812.23	808.40	808.42	0.00	3.81	16' w/ 2' Bench		

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58+73.4	808.43	EX US INV OF SB US 127						
							EXISTING	
59+57.4	810.35	EX DS END OF FOOT BRIDGE						
							EXISTING	
59+63.4	810.43	ES US END OF FOOT BRIDGE						GRADE CHANGE
							0.0019	
60+00	812.20	810.30	810.07	0.23	2.13	16' w/ 2' Bench		
							0.0019	
60+28.6	812.24	810.46	810.12	0.34	2.12	16' w/ 2' Bench		
							0.0019	
62+00	812.90	811.00	810.45	0.55	2.45	16' w/ 2' Bench		
							0.0019	
64+00	813.80	810.80	810.83	0.00	2.97	16' w/ 2' Bench		
							0.0019	
66+00	814.70	811.42	811.21	0.21	3.49	16' w/ 2' Bench		
							0.0019	
68+00	815.60	813.20	811.59	1.61	4.01	16' w/ 2' Bench		
							0.0019	
68+25	815.66	813.72	811.64	2.08	4.02	16' w/ 2' Bench		
							0.0019	
68+50	815.79	813.54	811.69	1.85	4.10	16' w/ 2' Bench		
							0.0019	
69+00	816.01	812.99	811.78	1.21	4.23	16' w/ 2' Bench		
							0.0019	
69+50	816.24	812.40	811.88	0.52	4.36	16' w/ 2' Bench		
							0.0019	
70+00	816.50	812.80	811.97	0.83	4.53	16' w/ 2' Bench		
							0.0019	
70+47	812.47	EX DS END OF FOOT BRIDGE						
							0.0019	
70+53	812.04	EX US END OF FOOT BRIDGE						
							0.0019	
70+54.9	816.70	812.04	812.07	0.00	4.63	16' w/ 2' Bench		
							0.0019	
70+65		813.77	TOP OF 8"Ø SANITARY SEWER					
							0.0019	
70+75		CONSTRUCT SEDIMENT BASIN						
							0.0019	
72+00	816.90	813.47	812.35	1.12	4.55	16' w/ 2' Bench		
							0.0019	
74+00	817.30	814.70	812.73	1.97	4.57	16' w/ 2' Bench		
							0.0019	
75+29.7	817.46	814.62	812.98	1.64	4.48	16' w/ 2' Bench		
							0.0019	
76+00	817.60	814.70	813.11	1.59	4.49	16' w/ 2' Bench		
							0.0019	
78+00	817.90	814.80	813.49	1.31	4.41	16' w/ 2' Bench		
							0.0019	
80+00	818.20	814.90	813.87	1.03	4.33	16' w/ 2' Bench		
							0.0019	
81+38.5	818.43	816.40	814.13	2.27	4.30	16' w/ 2' Bench		
							0.0019	
82+00	818.50	816.20	814.25	1.95	4.25	16' w/ 2' Bench		
							0.0019	
83+00		INSTALL ARCHED FOOT BRIDGE						
							0.0019	
84+00	818.90	816.80	814.63	2.17	4.27	16' w/ 2' Bench		
							0.0019	
85+50	818.04	15"Ø PLASTIC PIPE INV RT BK INSTALL MDOT 18"Ø PRECAST CONCRETE PIPE HEADWALL						
							0.0019	
85+69.3	819.25	817.48	814.95	2.53	4.30	16' w/ 2' Bench		
							0.0019	
86+00	819.30	817.00	815.01	1.99	4.29	16' w/ 2' Bench		
							0.0019	
86+11	819.33	815.20	815.03	0.17	4.30	16' w/ 2' Bench		
							0.0019	
88+00	819.70	817.40	815.39	2.01	4.31	16' w/ 2' Bench		
							0.0019	
89+62	819.94	816.87	815.70	1.17	4.24	16' w/ 2' Bench		
							0.0019	

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STATION	AVE. GRD. ELEV.	EXIST. BOTTOM ELEV.	PROPOSED BOTTOM ELEV.	BTM CUT (FT.)	BANK CUT (FT.)	BTM WIDTH (FT.)	GRADE (FT/FT)	
90+00	820.00	815.30	815.77	0.00	4.23	16' w/ 2' Bench		
							0.0019	
92+00	820.90	817.80	816.24	1.56	4.66	16' w/ 2' Bench		
							0.0019	
92+00			INSTALL ARCHED FOOT BRIDGE					
							0.0019	
92+38	822.18	819.40	816.31	3.09	5.87	16' w/ 2' Bench		
							0.0019	
94+00	821.85	817.70	816.61	1.09	5.24	16' w/ 2' Bench		
							0.0019	
96+00	822.80	819.90	816.98	2.92	5.82	16' w/ 2' Bench		
							0.0019	
96+03	822.76	818.40	816.98	1.42	5.78	16' w/ 2' Bench		
							0.0019	
96+60	818.04	18"Ø STORM SEWER PIPE INV RT BK INSTALL MDOT 18"Ø PRECAST CONCRETE PIPE HEADWALL						
							0.0019	
97+00	822.22	818.72	817.16	1.56	5.06	16' w/ 2' Bench		
							0.0019	
97+67.5		BEGIN INSTALLATION CONTEC ARMOR FLEX TOE SLOPE PROTECTION RT BK						
							0.0019	
97+70		BEGIN INSTALLATION REDI ROCK RETAINING WALL RT BK						
							0.0019	
98+00	822.30	818.90	817.35	1.55	4.95	16' w/ 2' Bench		
							0.0019	
98+60.9	822.28	818.31	817.46	0.85	4.82	16' w/ 2' Bench		
							0.0019	
99+00	822.29	818.73	817.54	1.19	4.75	16' w/ 2' Bench		
							0.0019	
99+30		END INSTALLATION OF REDI ROCK RETAINING WALL RT BK						
							0.0019	
99+34.6		824.64	PIPE INV RT BK					
							0.0019	
99+36.6		END INSTALLATION OF CONTEC ARMOR FLEX TOE SLOPE PROTECTION RT BK						
							0.0019	
99+42.9	820.83	EX DS INV OF 6 TH STREET						
							0.0019	
99+61		INSTALL CONTEC ARMOR FLEX BRIDGE FOOTING PROTECTION RT BK						
							0.0019	
99+79.1	820.00	EX US INV OF 6 TH STREET						
							0.0019	
99+91.1		824.95	PIPE INVE LT BK					
							0.0019	
100+00	824.50	820.90	817.72	3.18	6.78	14' w/ 2' Bench		
							0.0019	
100+04.6	824.47	820.45	817.73	2.72	6.74	14' w/ 2' Bench		
							0.0019	
101+50.6		BEGIN INSTALLATION OF CONTEC ARMOR FLEX TOE SLOPE PROTECTION RT BK						
							0.0019	
101+56.8		BEGIN INSTALLATION OF REDI ROCK RETAINING WALLS RT						
							0.0019	
101+86.9		BEGIN INSTALLATION OF CONTEC ARMOR FLEX TOE SLOPE PROTECTION LT BK						
							0.0019	
101+93		BEGIN INSTALLATION OF REDI ROCK RETAINING WALL LT BK						
							0.0019	
102+00	824.80	819.90	818.09	1.81	6.71	14' w/ 2' Bench		
							0.0019	
102+23.7	824.83	819.75	818.14	1.61	6.69	14' w/ 2' Bench		
							0.0019	
102+33.5		END INSTALLATION OF REDI ROCK RETAINING WALL RT BK						
							0.0019	
102+40		END INSTALLATION OF CONTEC ARMOR FLEX TOE SLOPE PROTECTION RT BK						
							0.0019	
102+83		END INSTALLATION OF REDI ROCK RETAINING WALL LT BK						
							0.0019	
102+85.2		END INSTALLATION OF CONTEC ARMOR FLEX TOE SLOPE PROTECTION LT BK						
							0.0019	
102+87.3	826.69	15"Ø SANITARY SEWER PIPE INV RT BK						
							0.0019	
102+88.5	820.95	EX DS INV OF 5 TH STREET						
							0.0019	
103+24.7		INSTALL CONTEC ARMOR FLEX BRIDGE FOOTING PROTECTION						

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STATION	AVE. GRD. ELEV.	EXIST. BOTTOM ELEV.	PROPOSED BOTTOM ELEV.	BTM CUT (FT.)	BANK CUT (FT.)	BTM WIDTH (FT.)	GRADE (FT/FT)
103+63.1	820.65	EX US INV OF 5 TH STREET					GRADE CHANGE
							0.001
103+67.7		BEGIN INSTALLATION OF CONTEC ARMOR FLEX TOE SLOPE PROTECTION RT AND LT BK					
							0.001
103+68.5		826.55	PIPE INV LT BK				
							0.001
103+70		BEGIN INSTALLATION OF REDI ROCK RETAINING WALL RT AND LT BK					
							0.001
103+71	825.08	820.42	818.41	2.01	6.67	14' w/ 2' Bench	
							0.001
104+00	825.10	820.40	818.44	1.96	6.66	14' w/ 2' Bench	
							0.001
104+03.3		END INSTALLATION OF REDI ROCK RETAINING WALL RT BK					
							0.001
104+10		END INSTALLATION OF CONTEC ARMOR FLEX TOE SLOPE PROTECTION LT BK					
							0.001
104+31.5	825.18	821.31	818.47	2.84	6.71	14' w/ 2' Bench	
							0.001
105+20		END INSTALLATION OF REDI ROCK RETAINING WALL RT BK					
							0.001
105+26.5		END INSTALLATION OF CONTEC ARMOR FLEX TOE SLOPE PROTECTION RT BK					
							0.001
106+00	826.90	820.80	818.64	2.16	8.26	14' w/ 2' Bench	
							0.001
106+30	827.29	821.80	818.67	3.13	8.62	14' w/ 2' Bench	
							0.001
106+56.1		821.27	TOP OF UTILITY PIPE				
							0.001
106+61.8		820.98	TOP OF UTILITY PIPE				
							0.001
106+81.2	821.06	EX DS INV OF 4 TH STREET					
							0.001
106+84.7		824.65	PIPE INV RT BK				
							0.001
107+12		INSTALL CONTEC ARMOR FLEX BRIDGE FOOTING PROTECTION					
							0.001
107+43.8	821.05	EX US INV OF 5 TH STREET					
							0.001
108+00	826.60	821.20	818.84	2.36	7.76	14' w/ 2' Bench	
							0.001
108+72	823.45	820.72	818.91	1.81	4.54	14' w/ 2' Bench	
							0.001
109+38.6	824.43	820.52	818.97	1.55	5.46	14' w/ 2' Bench	
							0.001
110+00	825.00	821.00	819.04	1.96	5.96	14' w/ 2' Bench	
							0.001
112+00	826.50	821.90	819.24	2.66	7.26	14' w/ 2' Bench	
							0.001
112+00		CONSTRUCT SEDIMENT BASIN					
							0.001
112+50	826.90	821.28	819.29	1.99	7.61	14' w/ 2' Bench	
							0.001
112+96.7	822.02	EX DS INV OF 3 RD STREET					
							0.001
113+11	822.32	EX US INV OF 3 RD STREET					
							0.001
114+00	828.30	821.70	819.44	2.26	8.86	14' w/ 2' Bench	
							0.001
115+46	829.84	822.64	819.58	3.06	10.26	14' w/ 2' Bench	
							0.001
116+00	830.40	821.20	819.64	1.56	10.76	14' w/ 2' Bench	
							0.001
116+22.9		834.62	PIPE INV LT BK				
							0.001
116+22.9		834.62	PIPE INV RT BK				
							0.001
116+45.5		PROP INV 818.68 PROP DB 819.68		PROP BOX UNDER SECOND STREET, FOOT BRIDGE, AND RAILROAD			
							0.001
116+57.6	823.11	EX DS INV OF 2 ND STREET					
							0.001

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116+78	822.96	EX US INV OF 2 ND STREET						
							0.001	
116+89		823.82	PIPE INV RT BK					
							0.001	
116+89.5	823.05	EX END OF FOOT BRIDGE						
							0.001	
116+96.5		824.84	PIPE INV RT BK					
							0.001	
117+10.5	823.32	EX END OF FOOT BRIDGE						
							0.001	
117+33	821.61	EX DS INV OF RAILROAD BRIDGE						
							0.001	
117+59.7	822.05	EX US INV OF RAILROAD BRIDGE						
							0.001	
117+71.5	PROP INV 818.81 PROP DB 819.81			PROP BOX UNDER SECOND STREET, FOOT BRIDGE, AND RAILROAD				
							0.001	
117+91.9		824.22	TOP OF PIPE					
							0.001	
118+00	824.50	822.90	819.84	3.06	4.66	14' w/ 2' Bench		
							0.001	
118+87.8	825.19	822.42	819.92	2.50	5.27	14' w/ 2' Bench		
							0.001	
120+00	826.40	822.50	820.04	2.46	6.36	14' w/ 2' Bench		
							0.001	
120+20.4	826.36	822.86	820.026	2.80	6.30	14' w/ 2' Bench		
							0.001	
121+75.6	826.48	823.10	820.20	2.90	6.28	14' w/ 2' Bench		
							0.001	
122+00	826.70	822.70	820.24	2.46	6.46	14' w/ 2' Bench		
							0.001	
122+83.1		824.96	TOP OF PIPE LT BK					
							0.001	
123+14.8	BEGIN INSTALLATION OF CONTEC ARMOR FLEX TOE SLOPE PROTECTION RT AND LT BK							
							0.001	
123+21	BEGIN INSTALLATION OF REDI ROCK RETAINING WALL RT AND LT BK							
							0.001	
123+86.4	828.08	822.91	820.38	2.53	7.70	14' w/ 2' Bench		
							0.001	
124+00	828.20	822.70	820.44	2.26	7.76	14' w/ 2' Bench		
							0.001	
124+10.9	END INSTALLATION OF REDI ROCK RETAINING WALL RT AND LT BK							
							0.001	
124+13.1	END INSTALLATION OF CONTEC ARMOR FLEX TOE SLOPE PROTECTION RT AND LT BK							
							0.001	
124+18.2	PROP INV 819.41 PROP DB 820.41			PROP DS INV McEWAN				
							0.001	
125+18.2	PROP INV 819.50 PROP DB 820.50			PROP US INV McEWAN			GRADE CHANGE	
							0.0014	
125+26.2	829.15	822.78	820.51	2.27	8.64	14' w/ 2' Bench		
							0.0014	
126+00	829.10	822.60	820.61	1.99	8.49	14' w/ 2' Bench		
							0.0014	
126+10.4		826.89	TOP PIPE RT BK					
							0.0014	
126+50.1		831.09	TOP PIPE RT BK					
							0.0014	
128+00	827.60	823.70	820.89	2.81	6.71	14' w/ 2' Bench		
							0.0014	
128+99	826.72	823.93	821.03	2.90	5.69	14' w/ 2' Bench		
							0.0014	
130+00	825.40	822.50	821.17	1.33	4.23	14' w/ 2' Bench		
							0.0014	
130+35.3	822.10	PIPE INV RT BK INSTALL MDOT 30"Ø PRECAST CONCRETE PIPE HEADWALL						
							0.0014	
130+47	823.22	PIPE INV LT BK INSTALL MDOT 18"Ø PRECAST CONCRETE PIPE HEADWALL						
							0.0014	
131+35	825.18	823.90	821.36	2.54	3.82	14' w/ 2' Bench		
							0.0014	
132+00	825.30	824.00	821.45	2.55	3.85	14' w/ 2' Bench		

LITTLE TOBACCO INTERCOUNTY DRAIN GRADE TABLE

STATION	AVE. GRD. ELEV.	EXIST. BOTTOM ELEV.	PROPOSED BOTTOM ELEV.	BTM CUT (FT.)	BANK CUT (FT.)	BTM WIDTH (FT.)	GRADE (FT/FT)
132+88	825.48	824.14	821.58	2.56	3.90	14' w/ 2' Bench	
							0.0014
133+00	825.50	824.47	821.59	2.88	3.91	14' w/ 2' Bench	
							0.0014
134+00	825.70	824.10	821.73	2.37	3.97	14' w/ 2' Bench	
							0.0014
134+45.8	825.76	824.08	821.80	2.28	3.96	14' w/ 2' Bench	
							0.0014
136+00	828.50	824.30	822.01	2.29	6.49	12' w/ 2' Bench	
							0.0014
136+12.2		825.57				PIPE INV RT BK	
							0.0014
136+27	824.47					EX DS INV MAPLE STREET	
							0.0014
136+50.3						INSTALL COTEC ARMOR FLEX BRIDGE FOOTING PROTECTION	
							0.0014
136+73.9	824.35					EX US INV MAPLE STREET	
							0.0014
137+17.5	829.98	824.11	822.18	1.93	7.80	12' w/ 2' Bench	
							0.0014
138+00	828.60	824.10	822.29	1.81	6.31	12' w/ 2' Bench	
							0.0014
138+19						INSTALL MDOT 12"Ø PRECAST CONCRETE PIPE HEADWALL	
							0.0014
138+53						INSTALL MDOT 8"Ø PRECAST CONCRETE PIPE HEADWALL	
							0.0014
138+53.4		827.22				TOP OF PIPE RT BK	
							0.0014
138+73.2	827.97	824.33	822.40	1.93	5.57	12' w/ 2' Bench	
							0.0014
138+81.1		826.92				TOP OF PIPE LT BK	
							0.0014
139+11.4		828.00				TOP OF PIPE RT BK	
							0.0014
140+00	827.40	824.00	822.57	1.43	4.83	12' w/ 2' Bench	
							0.0014
140+00						INSTALL MDOT 24"Ø PRECAST CONCRETE PIPE HEADWALL	
							0.0014
140+90						INSTALL MDOT 36"Ø PRECAST CONCRETE PIPE HEADWALL	
							0.0014
141+12.4						BEGIN INSTALLING Z65 SHEET PILING WITH CAP	
							0.0014
141+84.4	829.55	823.70	822.83	0.87	6.72	12' w/ 2' Bench	
							0.0014
141+84.4						END INSTALLATION OF Z65 SHEET PILING WITH CAP	
							0.0014
142+00	826.90	823.30	822.85	0.45	4.05	12' w/ 2' Bench	
							0.0014
144+00	826.50	824.40	823.13	1.27	3.37	12' w/ 2' Bench	
							0.0014
146+00	826.00	824.10	823.41	0.69	2.59	12' w/ 2' Bench	
							0.0014
147+34	826.75	824.12	823.60	0.52	3.15	12' w/ 2' Bench	
							0.0014
148+00	826.00	824.40	823.69	0.71	2.31	12' w/ 2' Bench	
							0.0014
148+95	826.55	824.72	823.83	0.89	2.72	12' w/ 2' Bench	
							0.0014
150+00	826.00	824.60	823.97	0.63	2.03	12' w/ 2' Bench	
							0.0014
150+95	826.58	824.31	824.11	0.20	2.47	12' w/ 2' Bench	
							0.0014
151+03		PROP INV 823.62	PROP DB 824.12			PROP DS END OF BOX DUNLOP RD	
							0.0014
151+55.6	825.82					EX DS INV DUNLOP RD	
							0.0014
151+86.4	826.00					EX US INV DUNLOP RD	
							0.0014
152+00	828.20	825.90	824.25	1.65	3.95	8' w/ 2' Bench	
							0.0014
152+39		PROP INV 823.81	PROP DB 824.31			PROP US END OF BOX DUNLOP RD	
							0.0014

LITTLE TOBACCO INTERCOUNTY DRAIN GRADE TABLE

STATION	AVE. GRD. ELEV.	EXIST. BOTTOM ELEV.	PROPOSED BOTTOM ELEV.	BTM CUT (FT.)	BANK CUT (FT.)	BTM WIDTH (FT.)	GRADE (FT/FT)	
152+71	827.90	825.80	824.35	1.45	3.55	8' w/ 2' Bench		
							0.0014	
152+85.7	827.71	825.09	824.37	0.72	3.34	8' w/ 2' Bench		
							0.0014	
154+00	827.90	825.30	824.53	0.77	3.37	8' w/ 2' Bench		
							0.0014	
156+00	828.20	826.20	824.81	1.39	3.39	8' w/ 2' Bench		
							0.0014	
157+81.5	826.05	EX DS INV OF RAILROAD BRIDGE						
							0.0014	
158+00	828.60	825.70	825.09	0.61	3.51	8' w/ 2' Bench		
							0.0014	
158+02.5	INSTALL CONTEC ARMOR FLEX BRIDGE FOOTING PROTECTION							
							0.0014	
158+23.8	825.20	EX US INV OF RAILROAD BRIDGE						GRADE CHANGE
							0.0013	
158+59.6	828.69	826.12	825.17	0.95	3.52	8' w/ 2' Bench		
							0.0013	
160+00	827.80	826.10	825.35	0.75	2.45	8' w/ 2' Bench		
							0.0013	
160+50	CONSTRUCT SEDIMENT BASIN							
							0.0013	
162+00	827.80	826.40	825.61	0.79	2.19	8' w/ 2' Bench		
							0.0013	
162+40.3	827.83	826.57	825.67	0.90	2.16	8' w/ 2' Bench		
							0.0013	
164+00	828.80	826.90	825.87	1.03	2.93	8' w/ 2' Bench		
							0.0013	
166+00	830.00	827.30	826.13	1.17	3.87	8' w/ 2' Bench		
							0.0013	
167+15.6	830.73	827.43	826.29	1.14	4.44	8' w/ 2' Bench		
							0.0013	
168+00	830.80	827.30	826.39	0.91	4.41	8' w/ 2' Bench		
							0.0013	
170+00	831.00	827.40	826.65	0.75	4.35	8' w/ 2' Bench		
							0.0013	
170+32.6	830.99	828.16	826.70	1.46	4.29	8' w/ 2' Bench		
							0.0013	
172+00	830.80	827.80	826.91	0.89	3.89	8' w/ 2' Bench		
							0.0013	
174+00	830.70	828.60	827.17	1.43	3.53	8' w/ 2' Bench		
							0.0013	
174+13.5	830.65	828.60	827.19	1.41	3.46	8' w/ 2' Bench		
							0.0013	
176+00	831.30	829.00	827.43	1.57	3.87	8' w/ 2' Bench		
							0.0013	
178+00	831.90	828.90	827.69	1.21	4.21	8' w/ 2' Bench		
							0.0013	
180+00	832.60	829.70	827.95	1.75	4.65	8' w/ 2' Bench		
							0.0013	
180+36.2	832.73	829.68	828.00	1.68	4.73	8' w/ 2' Bench		
							0.0013	
182+00	832.40	830.00	828.21	1.79	4.19	8' w/ 2' Bench		
							0.0013	
184+00	832.00	830.20	828.47	1.73	3.53	8' w/ 2' Bench		
							0.0013	
185+29.2	831.74	830.41	828.64	1.77	3.97	8' w/ 2' Bench		
							0.0013	
186+00	832.70	830.50	828.73	1.77	3.10	8' w/ 2' Bench		
							0.0013	
187+28.5	834.48	831.42	828.90	2.52	5.58	8' w/ 2' Bench		
							0.0013	
188+00	834.50	831.20	828.99	2.21	5.51	8' w/ 2' Bench		
							0.0013	
190+00	834.50	831.50	829.25	2.25	5.25	8' w/ 2' Bench		
							0.0013	
190+80	834.51	832.07	829.36	2.71	5.15	8' w/ 2' Bench		
							0.0013	
192+00	834.30	832.30	829.51	2.79	4.79	8' w/ 2' Bench		
							0.0013	
194+00	834.00	832.80	829.77	3.03	4.23	8' w/ 2' Bench		

LITTLE TOBACCO INTERCOUNTY DRAIN GRADE TABLE

STATION	AVE. GRD. ELEV.	EXIST. BOTTOM ELEV.	PROPOSED BOTTOM ELEV.	BTM CUT (FT.)	BANK CUT (FT.)	BTM WIDTH (FT.)	GRADE (FT/FT)	
195+65	833.70	832.94	829.99	2.95	3.71	8' w/ 2' Bench		
							0.0013	
196+00	833.90	832.10	830.03	2.07	3.87	8' w/ 2' Bench		
							0.0013	
198+00	835.40	832.00	830.29	1.71	5.11	8' w/ 2' Bench		
							0.0013	
198+80.6	836.01	832.62	830.40	2.22	5.61	8' w/ 2' Bench		
							0.0013	
199+87.4		828.35	PIPE INV RT BK					
							0.0013	
200+00	836.20	832.10	830.55	1.55	5.65	8' w/ 2' Bench		
							0.0013	
202+00	836.50	832.30	831.81	1.49	5.69	8' w/ 2' Bench		
							0.0013	
202+85.3	836.63	832.23	830.93	1.30	5.70	8' w/ 2' Bench		
							0.0013	
204+00	836.80	832.70	831.07	1.63	5.73	8' w/ 2' Bench		
							0.0013	
206+00	837.10	833.10	831.33	1.77	5.77	8' w/ 2' Bench		
							0.0013	
208+00	837.40	832.90	831.59	1.31	5.81	8' w/ 2' Bench		
							0.0013	
208+53.2	837.43	833.08	831.66	1.42	5.77	8' w/ 2' Bench		
							0.0013	
210+00	837.70	832.70	831.85	0.85	5.85	8' w/ 2' Bench		
							0.0013	
212+00	838.00	833.00	832.11	0.89	5.89	8' w/ 2' Bench		
							0.0013	
214+00	838.30	833.20	832.37	0.83	5.93	8' w/ 2' Bench		
							0.0013	
216+00	838.60	833.40	832.63	0.77	5.97	8' w/ 2' Bench		
							0.0013	
216+69.4	838.65	834.16	832.77	1.39	5.88	8' w/ 2' Bench		
							0.0013	
218+00	839.20	834.00	832.89	1.11	6.31	8' w/ 2' Bench		
							0.0013	
220+00	840.00	834.20	833.15	1.05	6.85	8' w/ 2' Bench		
							0.0013	
221+09.5	840.40	834.52	833.38	1.14	7.02	8' w/ 2' Bench		
							0.0013	
222+00	840.00	834.20	833.15	1.05	6.85	8' w/ 2' Bench		
							0.0013	
223+64.4	839.26	834.45	833.73	0.72	5.53	8' w/ 2' Bench		
							0.0013	
224+00	838.90	834.60	833.67	0.93	5.23	8' w/ 2' Bench		
							0.0013	
224+98.5	837.79	835.19	833.92	1.27	3.87	8' w/ 2' Bench		
							0.0013	
225+71.7	PROP INV 833.52 PROP DB 834.02			PROP DS END OF BOX HERRICK RD				
							0.0013	
225+90.6	834.70	EX DS INV HERRICK RD						
							0.0013	
226+00	837.70	836.70	833.93	2.77	3.77	8' w/ 2' Bench		
							0.0013	
226+32.9	834.10	EX US INV HERRICK RD						
							0.0013	
226.37.2		836.28	PIPE INV LT BK					
							0.0013	
226+51.7	PROP INV 833.64 PROP DB 834.14			PROP US END OF BOX HERRICK RD				
							0.0013	
227+04.8 P.O.E	838.44	834.25	834.25	0.00	4.19	8' w/ 2' Bench		