

EL CAPITAN
Pipe Line - Grades, Cuts
Sta. 950+00 to 1149+00

209

FIELD BOOK

774

W209

TRAVEL TABLE FOR TRANSIT BOOK.

from 1° to 90° for a distance of 100.

MICROFILMED
JAN 11 1965

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100 00	0 44	100.00	0.87	99.99	1.31	89
1	99.98	1 75	99 98	2 18	99 97	2.62	99.95	3.05	88
2	99.94	3.49	99 92	3.93	99 91	4.36	99.88	4.80	87
3	99.86	5.23	99 84	5 67	99 81	6.10	99.79	6.54	86
4	99 76	6.98	99 73	7.41	99 69	7.85	99.66	8.28	85
5	99 62	8.72	99.58	9.15	99 54	9.58	99.50	10 02	84
6	99 45	10.45	99.41	10 89	99 36	11.32	99.31	11.75	83
7	99 25	12.19	99 20	12.62	99 14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98 48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98 16	19.08	98 08	19 51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24 62	96.81	25 04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27 98	95.88	28 40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30 07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38 67	67
23	92.05	39.07	91.88	39 47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89 69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48 86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.30	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60 53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							

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OFFICE OF
STATE HIGHWAY COMMISSIONER
OLYMPIA, WASHINGTON

BOOK NO.

ROAD OR HIGHWAY

COUNTY

SECTION

LOCATION

PRELIMINARY

CONSTRUCTION

NOTES

TRANSIT, LEVEL, CROSS SECTION

STATION

TO STATION

WORK BEGUN

WORK COMPLETED

ENGINEER

INDEX ON NEXT PAGE

TABLE OF STADIA REDUCTIONS For a Constant of 100.

ROD VERTICAL.

Min.	0°		1°		2°		3°		4°		5°		6°		7°	
	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.	Hor. Dist.	Diff. Elev.
0	100.00	.00	99.97	1.74	99.88	3.40	99.73	5.23	99.51	6.95	99.24	8.68	98.91	10.40	98.51	12.10
2	100.00	.06	99.97	1.80	99.87	3.55	99.72	5.33	99.51	7.07	99.23	8.74	98.90	10.45	98.50	12.15
4	100.00	.12	99.95	1.86	99.87	3.69	99.71	5.44	99.50	7.20	99.22	8.80	98.89	10.51	98.48	12.21
6	100.00	.17	99.93	1.91	99.85	3.82	99.70	5.54	99.48	7.33	99.20	8.87	98.88	10.57	98.47	12.26
8	100.00	.23	99.90	1.96	99.82	3.95	99.69	5.62	99.47	7.45	99.19	8.93	98.87	10.63	98.46	12.32
10	100.00	.29	99.86	2.01	99.80	4.07	99.68	5.71	99.46	7.57	99.18	9.00	98.86	10.69	98.45	12.38
12	100.00	.35	99.83	2.06	99.78	4.19	99.68	5.80	99.45	7.69	99.17	9.07	98.85	10.74	98.44	12.43
14	100.00	.41	99.80	2.11	99.76	4.30	99.68	5.89	99.44	7.81	99.16	9.14	98.84	10.79	98.43	12.49
16	100.00	.47	99.77	2.16	99.74	4.41	99.67	5.98	99.43	7.93	99.15	9.21	98.83	10.85	98.42	12.55
18	100.00	.53	99.74	2.21	99.72	4.52	99.67	6.07	99.42	8.05	99.14	9.28	98.82	10.91	98.41	12.60
20	100.00	.58	99.71	2.26	99.70	4.63	99.66	6.16	99.41	8.17	99.13	9.35	98.81	10.96	98.40	12.66
22	100.00	.64	99.68	2.31	99.68	4.74	99.66	6.25	99.40	8.29	99.12	9.42	98.80	11.02	98.39	12.72
24	100.00	.70	99.65	2.36	99.66	4.85	99.65	6.34	99.39	8.41	99.11	9.49	98.79	11.08	98.38	12.77
26	99.99	.76	99.62	2.41	99.64	4.96	99.65	6.43	99.38	8.53	99.10	9.56	98.78	11.14	98.37	12.83
28	99.99	.81	99.59	2.46	99.62	5.07	99.64	6.52	99.37	8.65	99.09	9.63	98.77	11.20	98.36	12.89
30	99.99	.87	99.56	2.51	99.60	5.18	99.63	6.61	99.36	8.77	99.08	9.70	98.76	11.25	98.35	12.94
32	99.99	.93	99.53	2.56	99.58	5.29	99.62	6.70	99.35	8.89	99.07	9.77	98.75	11.31	98.34	13.00
34	99.99	.99	99.50	2.61	99.56	5.40	99.62	6.79	99.34	9.01	99.06	9.84	98.74	11.36	98.33	13.06
36	99.99	1.05	99.47	2.66	99.54	5.51	99.61	6.87	99.33	9.13	99.05	9.91	98.73	11.42	98.32	13.11
38	99.99	1.11	99.44	2.71	99.52	5.62	99.61	6.96	99.32	9.25	99.04	9.98	98.72	11.47	98.31	13.17
40	99.99	1.16	99.41	2.76	99.50	5.73	99.60	7.05	99.31	9.37	99.03	10.05	98.71	11.53	98.30	13.22
42	99.99	1.22	99.38	2.81	99.48	5.84	99.59	7.14	99.30	9.49	99.02	10.12	98.70	11.58	98.29	13.28
44	99.99	1.28	99.35	2.86	99.46	5.95	99.59	7.23	99.29	9.61	99.01	10.19	98.69	11.64	98.28	13.33
46	99.99	1.34	99.32	2.91	99.44	6.06	99.58	7.32	99.28	9.73	99.00	10.26	98.68	11.69	98.27	13.39
48	99.99	1.40	99.29	2.96	99.42	6.17	99.57	7.41	99.27	9.85	98.99	10.33	98.67	11.75	98.26	13.45
50	99.99	1.45	99.26	3.01	99.40	6.28	99.56	7.50	99.26	9.97	98.98	10.40	98.66	11.81	98.25	13.50
52	99.98	1.51	99.23	3.06	99.38	6.39	99.55	7.59	99.25	10.09	98.97	10.47	98.65	11.87	98.24	13.56
54	99.98	1.57	99.20	3.11	99.36	6.50	99.54	7.68	99.24	10.21	98.96	10.54	98.64	11.93	98.23	13.61
56	99.98	1.63	99.17	3.16	99.34	6.61	99.53	7.77	99.23	10.33	98.95	10.61	98.63	11.99	98.22	13.67
58	99.97	1.69	99.14	3.21	99.32	6.72	99.52	7.86	99.22	10.45	98.94	10.68	98.62	12.04	98.21	13.73
60	99.97	1.74	99.11	3.26	99.30	6.83	99.51	7.95	99.21	10.57	98.93	10.75	98.61	12.10	98.20	13.78
c= .75...	.75	.01	.75	.02	.75	.03	.75	.05	.75	.06	.75	.07	.75	.08	.74	.10
c=1.15...	1.15	.01	1.15	.03	1.15	.05	1.15	.07	1.15	.09	1.14	.11	1.14	.13	1.14	.15
c=1.90...	1.90	.02	1.90	.05	1.90	.08	1.90	.12	1.89	.15	1.89	.18	1.89	.21	1.89	.25

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SECTION

STA.	ELEVA.	GRADE	CUT OR FILL		
			LEFT	C	RIGHT
985+50	334.3	330.00	13.14 14.38 Site	4.3	
+25	335.9	331.40	5.48	4.5	
985	336.8	332.80	11.58	4.0	
+75	338.3	334.20		4.1	
+50	338.8	335.60	8.78	3.2	
+25	340.5	337.00	5.60% 5 1	3.5	
984	341.4	338.40	5.98	3.0	
+75	342.9	339.80		3.1	
+50	343.9	341.20	3.18	2.7	
+25	345.8	342.60		3.2	
983	348.0	344.00	4.0	4.0	

SECTION

AREAS				CUBIC YDS.		REMARKS
EXCAVATION		EMBANKMENT		EXCAV.	EMBANK.	
+ H.I	-	Elev				
4.39	44.38	339.99				
11.23	55.28	0.33	44.05			

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL		
			LEFT	C	RIGHT
983	348.0	344.00		4.0 ✓	
+75	351.2	346.79		4.4 ✓	
+50	354.1	349.57	5.71	4.5 ✓	
+25	357.9	352.36		5.5 ✓	
982	360.8	355.14	0.14	5.7 ✓	
+75	363.3	357.93		5.4 ✓	
+50	366.2	360.71	1.693	5.5 ✓	
+25	368.8	363.50		5.3 ✓	
981	371.4	366.28	1.36	5.1 ✓	
+75	373.9	369.07		4.8 ✓	
+50	375.3	371.85	7.48	3.5 ✓	

SECTION

AREAS				CUBIC YDS.		REMARKS
EXCAVATION		EMBANKMENT		EXCAV.	EMBANK.	
4	H.I	-	Elev.			
				55.28		
12.51	67.64	0.15	55.13			
13.02	79.33	1.33	66.31			

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
980+50	375.3	371.85 ✓		3.5 ✓						
+35±	377.6	373.47		4.1 ✓						
980+35±	Single Anchorage									
980+13.±	381.3	375.93	3.40	5.4 ✓		79.33	0.52			
+88±	383.9	378.71	12.93	5.2 ✓		12.33	91.14			
			11.143%				7-12-26			
+63±	386.8	381.50		5.3 ✓			494.14			
+50		383.00	8.14							
+38±	389.1	383.19	7.95	5.9 ✓						
										186.38728
979+13±	389.3	383.61	10.53	5.7 ✓						
+88±	388.7	384.03	10.11	4.7 ✓						
										-1.667%
+63±	388.9	384.44	9.70	4.5 ✓						
978+38±	389.1	384.86	9.28	4.2 ✓						

983100.00
 980+35.25
 264.75
 225
 39.75

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
978+38 ⁴	389.1	384.86		4.2 ✓						
978+13 ⁴	389.5	385.27	8.87	4.2 ✓						
+88 ⁴	389.8	385.70	8.44	4.14						
+75	389.9	385.92		4.0 ✓						
+50	391.6	386.34		5.3 ✓						
+25	392.4	386.75		5.6						
977	392.1	387.18		4.9 ✓						
+75	392.4	387.59		4.8 ✓						
+50	392.5	388.00	X 6.14	4.5 ✓						
+25	391.8	387.60		4.2 ✓						
976	392.3	387.20		5.1 ✓						

+ 1.667%

+ 1.60%

SECTION

EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.
+	-		
7.1	Elev		
	494.14		
	494.14		

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
976	392.3	387.20		5.1 ✓						
+75	392.0	386.80		5.2 ✓		+ 4.82	+ 94.14	- 389.32		
+50	391.2	386.40		4.8 ✓						
+25	391.0	386.00		5.0 ✓						
975	391.3	385.60		5.7 ✓						
+75	391.6	385.20		6.4 ✓						
+50	391.2	384.80		6.4 ✓						
+25	390.3	384.40		5.9 ✓						
974	388.5	384.00		4.5 ✓		1.21	385.21	384.00		
+75	386.3	381.67		4.6 ✓						
+50	384.2	379.33		4.9 ✓						

+1.60

X 1146

No Change
+ 9.333%

SECTION

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
973+50	384.2	379.33		4.9 ✓						
+25	381.3	377.00		4.3 ✓						
973	378.3	374.67		3.6 ✓		0.63	374.78	374.15	3.11	
						7.18	378.61	373.5	371.43	
+75	376.8	372.33		4.5 ✓						
+50	375.3	370.00		5.3 ✓		4.75	368.92	367.17		
+25	371.6	367.00		4.6 ✓						
+10	367.6	367.15		0.5 ✓						
+08		367.17		0.0 ✓						
972	+36 362.6	367.25								
Pier	6.3									
+94	+9.2 361.1	367.31								
+75	+6.6 363.5	367.50								
Pier	5.4									
+64	+6.2 364.5	367.61								
+50		367.75	7.03	0.0 ✓						
+25	373.6	368.00		5.6 ✓						

+9.3333%

X 15.2
-12.0%

1.000%
5.5 Pier
3.5 Pier

SECTION

SECTION

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
971+25	373.6	368.00	11.7	5.6 ✓		11.1				
						401.07				
971	378.4	372.00	13.77 1.2	6.4 ✓		11.6	390.77	11.46	389.61	T.P
						0.97	372.72	11.53	379.25	T.P
+75	381.6	376.00	11.8	5.6 ✓						
			19.00%			413.67				
+50	386.5	380.00	10.8	6.5 ✓						
+25	390.0	384.00	17.07	6.0 ✓						
970	393.9	388.00	13.07	5.9 ✓						
+75	397.0	390.37	10.70	6.6 ✓						
+50	400.1	392.70	8.72	7.3 ✓						
+25	402.1	395.12	13.50	7.0 ✓						
969	403.8	397.50	16.17	6.3 ✓						
			0.50							
+75	406.4	399.88		6.5 ✓						

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
968+75	406.4	399.88	12.61 13.77	6.5 ✓						
+50	408.3	402.25	10.24 11.42	6.1 ✓						
+25	410.4	404.63	9.904 9.50	5.8 ✓						
+15	410.8	405.52	16.97 8.13	5.3 ✓						
+04	410.9	406.61	7.07	4.3 ✓						
968		407.0 X								
+79	412.1	406.79	6.88	5.3 ✓						
+54 ¹³	411.4	406.54	7.13	4.9 ✓						
+50										
+25	411.2	406.25	7.42	5.0 ✓						
967	410.8	406.00	7.67	4.8 ✓						

No change
+1.00%

+ H.I. - Elev
412.49
401.07 12.53 399.96
8484 3.67 905.19

SECTION

965+75
328
42.19

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
967	410.8	406.00		4.8 ✓		H.I. 413.67	Elev			
+75	409.2	404.40	9.27	4.8 ✓						
+50	407.6	402.80	10.86	4.8 ✓						
+25	406.8	401.20	7.07	5.6 ✓						
		401.20								
966	404.5	399.60	9.867	4.9 ✓						
			+ 5.40%							
+75	403.8	398.00	11.27 ✓	5.8 ✓						
+50	401.9	397.75	10.52	4.1 ✓						
+32.8	401.4	397.42	10.85	4.0 ✓						
965+21	401.2	396.92	11.35	4.3 ✓						
			+ 2.00%							
+96	400.8	396.42	11.85	4.4 ✓						
+71	400.6	395.92	12.35	4.7 ✓						

3.78 408.27 9.18 409.49

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
964+71 ^L	400.6	395.92		4.7 ✓						
						408.27				
+46 ^L	400.9	395.42	12.85	5.5 ✓		307	398.37	12.97	395.30	T.P
+25		395.00				188	387.17	13.08	385.29	T.P
964+21 ^L	400.4	394.62	13.64	5.8 ✓						
+96 ^L	398.9	392.14	16.13	6.8 ✓						
+71 ^L	394.2	389.67	18.60	4.5 ✓						
+46 ^L	393.6	387.20	11.17	6.4 ✓						
+21 ^L	389.8	384.73	13.64	5.1 ✓						
962+96 ^L	386.9	382.26	16.11	4.6 ✓						
+75	385.1	380.17	18.20	4.9 ✓						
+50	382.4	377.70	2.47	4.7 ✓						
+25	379.7	375.23		4.5 ✓						

SECTION

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
962+25	379.7	375.23	11.24	4.5						
962	374.8	372.76	14.91	2.0						
+75	375.2	370.29	16.88	4.9						
+50	372.9	367.82	19.25	5.1						
+25	371.2	365.35	10.91	5.8						
961	368.3	362.88	12.38	5.4						
+75	365.8	360.41	15.85	5.4						
+50	363.5	357.94	18.32	5.6						
+25	360.3	355.47	20.79	4.8						
960	358.1	353.00	12.79	5.1						
+75	355.9	350.70	15.09	5.2						

720

Elev
+ H.I. - 405.19

7.30 / 2.49

387.17

1.44 376.26 12.37 374.82

1.82 365.79 12.29 363.97

9.882
 + 9.209
 + 9.129

8.9 cut

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
959+75	355.9	350.70		5.2						
+50	354.6	348.40		6.2						
+25	352.3	346.10		6.2						
959	349.7	343.80		5.9						
+75	348.0	341.50		6.5						
+50	345.4	339.20		6.2						
+25	343.3	336.90		6.4						
958	339.9	334.60		5.3						
+78										
+75	336.5	332.30		4.2						
+50	334.1	330.00		4.1						

+ 0.20%

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL		
			LEFT	C	RIGHT
957+50	334.1	330.00		4.1	
+25	330.1	325.37		4.7	
957	325.3	320.75		4.5	
+75	321.3	316.12		5.2	
+50	317.5	311.50		6.0	
+25	311.3	306.87		4.4	
956	308.0	302.25		5.8	
+75	302.7	297.62	8.15	5.1	
+50	298.3	293.00	12.77	5.3	
+25	297.1	292.87		4.2	
955	298.7	292.75		5.9	

+18.50%
+9.50%

AREAS

AREAS		CUBIC YDS.		REMARKS
EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	

H.I. - Elev
+ 305.77

SECTION

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
955	298.7	292.75		5.9						
+75	300.8	292.62	13.13	8.2						
+50	300.7	292.50		8.2						
+25	299.8	292.37		7.4						
954	298.7	292.25	5.00	6.5						
+78 ³	298.0	292.14	5.11	5.9						
+53 ³	297.3	292.02		5.3						
+50		292.00	5.25							
+28 ³	296.3	291.13	6.12	5.2						
+03 ³	295.3	290.13	7.12	5.2						
952+78 ³	294.0	289.13	4.812	4.9						
+53 ³	292.9	288.13		4.8						

+0.50%

+4.00%

+ H.L. - Elev
 0.90 308.09 307.69
 2.01 297.25 12.85 295.24
 9.10 305.77 0.58 296.67

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
952+53 ³³	292.9	288.13	9.12	4.8						
+25	291.7	287.00	0.25	4.7						
952	290.8	286.00	11.25	4.8						
+75	289.8	285.00	12.25	4.8						
+50	288.8	284.00	6.35	4.8						
+25	287.7	283.00	7.35	4.7						
951	287.2	282.00	8.35	5.2						
+75	286.7	281.50	8.85	5.2						
+50	286.6	281.00	9.35	5.6						
+25	286.1	280.50	9.85	5.6						
950	285.8	280.00	10.35	5.8						

EXCAVATION		EMBANKMENT	
F.H.I.	Elev.	EXCAV.	EMBANK.
297.25			
5.35	290.35	285.00	
4.49	289.13	5.71	284.64

SECTION

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
950	285.8	280.00	9.13		5.8					
			9/1000							
+75	286.0	279.50	7.963		6.5					
+50	283.3	279.00	10.13		4.3					
+25	286.4	281.16	7.97		5.2					
949	287.9	283.33	5.80		4.6					
+75	290.1	285.50	12.31		4.6					
+50	292.7	287.67	10.14		5.0					
+25	295.0	289.83	9.8		5.2					
948	297.3	292.00	5.81		5.3					
+75	299.7	294.17	3.64		5.5					
+50	302.2	296.33			5.9					

+ H.I. -
297.81

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
947+50	302.2	296.33		5.9						
+25	304.3	298.50		5.8						
947	306.1	<u>301.0</u>		5.4						
+75	308.2	302.83		5.4						
+50	309.9	305.00		4.9						
+25	301.7	306.00		5.7						
946	314.3	<u>303.00</u>		7.3						

y O.K.
 1 w.H.S.

EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.
H.I.	Elev		
4.68	313.78	309.10	
-0.70	303.28	11.20	302.58
1.35	299.97	10.66	292.62
5.50	297.81	7.35	292.31
			J.V.O
			30216 B.M

SECTION

SECTION

982

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
985+50	333.6	✓ 330.00		3.6	7.08	+	HI -			
						2.14	Elev			
							337.08	334.94		
+75	332.4	✓ 329.67		2.7						
986	331.2	✓ 329.33		1.9			7-27-26			
							334.51			
+25	331.4	✓ 329.00		2.4						
							335.51			
+50	332.0	✓ 328.67		3.3						
+75	332.4	✓ 328.33		4.1						
987	333.0	✓ 328.00		5.0						
+17A		325.62								
+25	332.3	✓ 324.50		7.8						
+50	328.9	✓ 321.00		7.9						
+75	325.1	✓ 315.50	19.01	9.6	10.4					

-1.333%

14.00%

9.08

X

λ

SECTION

SECTION

10.7
85.7

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
987+75	325.1	313.50	-22.00%	7.76	9.6	3.8				
988	317.7	310.00	X	13.06 10.39	7.7	4.4	269.00			
+25	310.5	302.00		9.17 21.06 7.34	8.5	1.7	12.28 280.23 1.05	267.95		
+50	302.2	294.00	-32.00%	17.17 5.03	8.2	10.0	11.05 290.31 0.97	279.26		
+75	293.7	286.00	X	13.28 1.09	7.7	6.6	11.70 299.20 1.73	288.58		
989	284.4	279.00	-28.00%	11.31 8.09	5.4	5.9	12.09 311.17 0.20	299.08		
+25	277.1	272.00		8.23 18.31 2.24	5.1	3.1	12.71 323.06 0.52	2310.65		
+50	270.1	265.00	X	15.23 9.26	5.1	10.1	11.77 334.51 0.32	222.74		
+75	263.9	259.50	-22.00%	9.50 2.23	4.4	6.9	12.83 274.26 0.30	261.43		
990	258.8	254.00	to break	15.0 7.73	4.8 3.0	12.0	13.03 287.09 0.20	274.06		
+25		248.50					12.71 299.53 0.27	286.82		
							12.28 309.34 2.47	297.06		
							12.47 320.89 0.92	288.42		

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
990+25	252.7	248.50	8.24 2.32	4.2	4.0					
+50	250.5	243.00	13.7 7.82	7.5		9.06				
+75	244.4	237.50	7.73 19.29 4.94	6.9		0.00 240.00 7-27- 237.54				
991	237.2	232.00	13.2 10.44	5.2		2.32 245.23 1.63	232.91	T.P.		
+25		230.00	12.44			0.00 240.00				
+30	238.0	230.04	12.40	0.0		12.23 256.74 0.72	244.51			
+50		230.20				12.40 259.00 0.14	216.60			
Pier +52	226.9	230.22				1.79 234.70	232.91		231.40	
+75		230.40				12.40 242.44	230.04		230.14	4.56
Pier +82	225.3	230.46				12.30 250.82 2.92	238.52			
992		230.60				12.71 261.78 1.82	249.00			
+05	230.6	230.64		0.0						
+25	232.8	230.80		2.0						
+50	236.0	231.00		5.0						
+75	237.4	233.25		4.2						

SECTION

SECTION

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS 297.87		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
992+75	237.4	233.25	11.6	1323.4	2.84	11.9				
993	239.9	235.50	9.4	10.98	4.4	6.0	104	249.87	249.83	
+25	240.9	237.71	+7.1	8.73	4.1	4.0	3.23	277.54	0.56	244.31
+50	244.0	240.00	+4.0	6.93	4.8		9.81	242.56	232.75	
+57		240.14		6.39			7-22-26	246.98		
+82	246.5	240.64	+6.9	5.84	5.9	2.0				
994+00		241.00		5.78						
994+07	246.5	240.61	6.9	5.87	5.9	2.0				
+32	245.3	239.21	6.3	7.27	6.1	3.2				
+41		237.81								
+50	244.8	238.20	10.2	8.28	6.6	3.7				
+75	241.0	236.80	10.7	9.68	4.2	1.0				

10.5
 9.4
 9.00%
 7.1
 2.00%

1967 20 19

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
994+75	241.0	236.80	5.8	9.68	4.2					
						H.I				
						297.54				
995	238.4	235.40	12.60	11.08	3.0					
						242.56				
+25	237.8	234.00	12.98	5	3.8	10.7				
							7-22-26			
							1.65	246.48	244.83	B.M.
+50	238.0	233.87	4.0	12.61	4.1	10.5	4.76	238.60	12.64	233.84
+75	239.6	233.75	4.5	4.85	5.8	8.9				
996	240.4	233.62	10.1	11.0	4.93	6.8	3.0			
+25	240.7	233.50	2.9	15.10	7.2	1.2				
			4							
+50	240.0	233.37	1	9.25	2.3	6.6	2.6			
+75	238.6	233.25	2.3	5.35	5.4	3.9				
997	241.5	233.12	9.4	5.48	8.4	1.0				
+25	241.8	233.00	2.6	5.60	8.8	0.8				

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			
			LEFT	C	RIGHT	
997+25	241.8	233.00		8.8	0.8	
+50	239.7	231.00	11.6	9.60	8.7	2.9
+75	235.9	229.00	13.6	9.60	6.9	6.7
998	231.9	227.00	15.6	11.60	4.9	10.7
+25	236.9	226.83	15.8	11.77	10.1	5.7
+46 ³ A	226.75		11.85			
+50	236.9	226.67	15.9	11.9	10.2	5.7
+75	234.6	226.50	16.1	12.10	8.1	8.0
999	232.8	226.33	16.2	3.92	6.5	9.7
+17 ⁸	232.0	226.21	6.9	4.04	5.8	1.1
+42 ⁸	230.6	226.04	7.1	4.26	4.6	2.5

207
134

AREAS	CUBIC YDS.		REMARKS
	EXCAVATION	EMBANKMENT	
		242.56	
	231.63		
250	233.10	103	230.60
	238.60		
171	230.79	10.66	228.54

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
999+42 ²	230.6	226.04	4.26	4.6						
+50		226.00	4.29							
+67 ²	229.1	224.93	5.36	4.2	4.0					
+92 ²	226.9	223.43	9.7	6.86	3.5	6.3				
1000+00		223.00	7.29							
1000+17 ²	223.8	220.33	12.8	9.96	3.5	8.3				
+42 ²	222.1	216.58	16.4	13.71	5.5	10.9				
+67 ²	218.8	212.83	29.7	5.48	6.0	3.7				
+92 ²	215.0	209.08	13.4	9.23	5.9	7.5	0.0			
1001+00		208.00	10.3							
1001+17 ²	210.8	204.76	17.8	13.55	6.0	11.8				
+42 ²	203.9	200.22	2.8	6.88	3.7	6.1				
+67 ²	199.1	195.67	14.4	11.43	3.4	11.0				
+88	195.7	192.00	4.2	4.47	3.7	2.5				
998+05										

SECTION

EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.
+ H.I. - Elev			
231.63			
233.10			
1.37	22.52	11.95	2.21
1.22	210.03	12.71	209.81
0.94	198.15	12.32	197.71
		189.95	
7-20-26			
194.12			
7-22-26			
230.29			
0.07	218.31	20.5	210.24
0.44	207.10	11.65	206.60
0.79	196.47	11.92	195.68

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
998	Equation 998+05	195.7 ✓ 192.00		3.7		138.15 7-22-26				
	+17	194.0 ✓ 190.20	15.00% 80	3.8	4.2	196.47				
	+25	189.00	X			6.55	189.92			
	+47	187.2 ✓ 187.24	9% 80	0.0						
	+50	187.00	X			0.29	190.24	189.95		
	Pier +55	186.0								
	+60	187.05								
	+70									
	Pier +80	184.7				7-28-26 25.24				
	+80	187.30	+1.00% +							
999	Pier +10	187.50 183.7				0.16	192.50	1290	202.34	
	+25	187.75	10.40			3.55	194.50	11.50	191.00	
	Pier +40	186.4						4.60	189.95 ✓	
	+50	188.0		12.73						
	+65	190.5 ✓ 189.20	X	0.0	11.10					
	+75	193.6 ✓ 190.00	X	1.3	8.7 7.7					
	+75	193.6 ✓ 190.00	X	12.50	3.6				8.9	
1000		199.9 ✓ 194.00		0.50	5.9					
	+25	205.3 ✓ 198.00	+16.00% +		7.3					

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL		
			LEFT	C	RIGHT
1000+25	205.3	198.00	17.24	7.3	9.9
+50	210.6	202.00	13.24	8.6	4.6
+75	215.3	207.00	19.34	8.3	11.0
1001	219.7	212.00	14.34	7.7	6.6
+25	224.8	217.00	9.34	7.8	1.5
+50	228.8	222.00	16.63	6.8	9.8
+75	233.2	227.00	11.63	6.2	5.4
1002	237.6	232.00	17.66	5.6	12.1
+25	241.6	237.00	12.66	4.6	8.1
+50	246.7	242.00	7.66	4.7	3.3
+75		247.00			

+16.00%

+20%

SECTION

AREAS		CUBIC YDS.		REMARKS
EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
+ H.L.	- Elev.			
13.05	231.63	218.58		-7
	261.84			
0.51	249.66	12.69	249.15	T.P.
	11.98	238.18		T.P. Red Top
0.32	238.63	11.35	238.31	T.P. Red Top
0.77	226.34	13.06	225.57	
1.23	215.24	12.33	214.01	

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1002+75	252.1	247.00	4.84	5.1	9.7					
		+20.00%								
1003	257.0	252.00	9.84	5.0	4.8	0.38	285.38	285.00	T.P.	1005+00.15' off
		+20.00%			4.8	124	273.87	12.75	272.63	
+25	264.0	257.00	14.87	7.0	9.9	0.57	261.84	12.60	261.27	
+50	268.6	262.00	11.87	6.6	5.3					
		+12.00%								
+75	270.8	265.00	8.87	5.8	3.1					
		+12.00%								
1004	272.4	268.00	17.38	4.4	13.0					
		+5.333%								
+25	272.9	269.33	16.05	3.6	12.5					
		+5.333%								
+50	273.7	270.67	14.71	3.0	11.7					
		+5.333%								
+75	276.2	272.00	13.38	4.2	9.2					
		+12.00%								
1005	281.1	275.00	10.33	6.1	4.3					
		+12.00%								
+25		278.00	10.38							

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL		
			LEFT	C	RIGHT
1005+25	286.5	278.00	78.99 ^	8.5	10.4
+50	292.1	284.22	12.77	7.9	4.9
+75	298.6	290.44	17.79	8.2	9.6
+82 ⁸	300.8	292.38	15.85	8.4	7.5
1006+07 ⁸	306.5	298.60	21.60	-7.9	13.7
+32 ⁸	311.1	304.82	15.38	6.3	9.1
+57 ⁸	318.4	311.05	9.15	7.4	1.8 3.3
+82 ⁸	327.4	317.27	25.06	10.1	5.7
1007+07 ⁸	335.0	323.49	23.14 21.24 2.75	11.5	11.6
+32 ⁸	338.0	329.72	16.91	8.3	8.6
+50	334.00				
+57 ⁸	340.0	334.55	12.08	5.4	6.7

AREAS		CUBIC YDS.		REMARKS
EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
4.67	346.63	341.96		
2.77	344.73	341.96		
0.66	332.33	3.06	331.67	
0.27	320.20	12.48	319.93	
0.73	308.23	12.70	307.50	
1.27	296.99	12.51	295.72	
	9.68	287.31	B.M. set	
	11.09	285.00		
End B23-26 Office x sec. started.				

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1007+57 [±]		334.55								
						396.63				
+82 [±]	340.9	336.30	10.33	4.6	5.7	11.30	357.88	0.05	346.58	
1008+07 [±]	342.5	338.05	8.58	4.5	4.1	12.63	354.59		341.96	B.M.
						7.14	361.26	0.17	354.12	T.P.
+32 [±]	343.9	339.80	6.83	4.1	2.7					
+57 [±]	346.8	341.55	6.08	5.2	0.9					
+82 [±]	348.6	343.30	14.58	5.3	9.3					
+90 [±]	349.3	343.84	14.04	5.5	8.5					
1009+15 [±]		345.59	12.29	5.6	6.7	9.00				
+40 [±]		347.34	10.54	5.5	5.0	7.25				
+50		348.00								
+65 [±]		348.36	9.52	5.4	4.1	6.23				
+90 [±]		348.94	8.94	5.4	3.5	5.65				

+7.00%

+2.33%

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1009+90 ^E		348.94								
						357.88	357.88			
1010+15 ^E		349.52	13.59	5.2	8.4	11.74	7.98	363.11	2.71	355.13
							6.78	369.41	0.48	362.63
+40 ^E		350.11	13.20	5.5	7.5	11.15				
							367.41			
+65 ^E		350.69	12.42	5.5	6.9	10.57	2.94	366.10	4.29	363.16
										6-20-26
+90 ^E		351.27	11.89	5.6	6.2	9.99				
1011+02 ² E.C.		351.56	11.55	5.8	5.8	10.70				
+25		352.08		6.0		9.18				
+50		352.66		5.8		8.60				
+75		353.25	12.85	4.9		8.01				
1012		353.83	12.27	5.1		7.43				
+25		354.41	11.69	5.6						

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL		
			LEFT	C	RIGHT
1012+25	360.0	354.41	11.69	5.6	
+50	358.9	355.00	11.16	3.9	
+75	359.6	355.31	10.80	4.3	
1013	361.3	355.62	10.98	5.7	
+25	361.0	355.92	10.18	5.1	
+50	361.3	356.23	9.87	5.1	
+75	361.3	356.54	9.57	4.8	
1014	360.8	356.85	9.25	4.0	
+25	361.4	357.16	8.94	4.2	
+50	362.7	357.46	8.64	5.2	
+75	363.3	357.77	8.33	5.5	

AREAS		CUBIC YDS.		REMARKS
EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
334	367.45	362.11		
	7-20-26			
	366.10			

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1014+71	363.3	357.77	Red	5.5						
1015	362.6	358.00	8.02	4.5						
+25	364.5	358.39	7.71	6.1						
+50	362.5	358.69	7.41	3.8						
+71	364.6	359.00	7.10	5.6						
+88 [±]		358.85	6.72	6.5	2.0					
1016		358.71		4.7	4.0					
+25		358.42	7.15	3.9	5.0					
+50		358.13		5.6	2.6					
+71		357.83	7.74	3.9	5.6					
1017		357.54	8.03	4.0	5.8					
+25		357.24	8.34	7.5	2.6					

+ 1.231%

- 1.176%

SECTION

EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.
+ H.I.	- Elev		
367.36			
7-20-26			
366.10			
3.46	365.57		
	7-21-26		
	362.11		

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1017+25		357.29								
+50		356.95	8.62	4.6	5.8	330	362.92	7.74	359.62	
+75		356.66	8.91	4.0	6.7	7-21-26	365.57			
1018		356.36	9.21	6.7	4.3					
+25		356.07	11.29	4.9	6.4					
+50		355.76	11.60	5.0	6.6					
+75		355.47	11.89	4.7	7.2					
1019		355.18	12.18	5.4	6.8					
+25		354.88	12.48	6.2	6.3					
+50		354.59	12.77	4.9	7.9					
+75		354.29								

-1.176%

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1019+77		354.29	8.63	5.6	3.6					
1020		354.00	8.92	4.4	4.5					
+2J		353.50	9.42	4.6	4.8					
+50		353.00	9.92	6.2	3.7					
+7J		352.50	10.42	5.7	4.7					
1021		352.00	10.92	4.7	6.2					
+2J		351.50	11.42	4.6	6.8					
+50		351.00	11.92	4.7	7.2					

SECTION

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1021+50		351.00	11.22							
+25'		350.90	12.02	6.0	6.0					
1022		350.80 ✓	12.12	5.0	7.1					
+25'		350.70	12.22	5.1	7.1					
+50'		350.60	12.32	5.3	7.0					
+75'		350.50	12.42	4.2	8.2					
1023		350.40 ✓	12.52	7.1	5.9					
+25'		350.30	12.62	5.1	7.5					
+50'		350.20	12.72	4.7	8.0					
+75'		350.10	12.82	4.7	8.1					

+ H.I. - Elev

362.92

-0.40%

}

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1023+75		350.10								
						362.92				
1024		350.00	8.92	4.8	8.1	2.93	350.99	6.86	356.06	T.P
+25		349.90	8.19	4.9	9.3					
+50		349.80	8.29	5.1	4.2					
+75		349.70	8.39	7.6	1.8					
1025		349.60	8.49	6.1	3.4					
+25		349.50	8.59	4.9	4.8					
+50		349.40	8.69	4.8	4.9					
+75		349.30	8.79	5.0	4.6					
1026		349.20	8.89	6.8	3.1					
+25		349.10	8.99	5.0	5.0					

SECTION

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1026+25	354.1	349.10		5.0						
							359.99			
+50	354.1	349.00	9.09	5.1	5.0		4.97	354.02	B.M.	
+75	353.2	348.56	9.63	4.6	6.0					
1027	353.2	348.13	9.96	5.1	5.9					
+25	353.0	347.69	10.40	5.3	6.1					
+50	354.3	347.25	10.84	7.1	9.7					
+75	352.7	346.81	11.28	5.9	6.4					
1028	352.4	346.38	13.61	6.0	6.6					
+25	351.8	345.94	14.05	5.9	7.2					
+50	350.3	345.50	14.49	4.8	8.7					
+75	349.9	345.07	14.92	4.8	9.1					

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1028+71	349.9	345.07		4.8						
							359.99			
1029	349.7	344.63	15.36 10.74	5.1	9.3	4.24	354.97	2.26	350.73	
+2J	352.1	344.19	10.78	7.9	1.9					
							451.79			
+50	349.1	343.75	11.22	5.3	5.0	4.16	352.15		347.99	T.P.
						1.03	349.02		347.99	
+7J	348.5	343.31	11.66	5.2	5.5					
1030	348.4	342.88	12.09	5.5	5.5					
+2J	348.9	342.44	12.53 9.35 2.8	6.5	5.0					
+31 ²	347.9	342.33	9.46	5.6	3.8					
+50		342.00								
+56 ²	348.1	341.75	10.04	6.3	3.7					
+81 ²	346.7	340.75	11.04 8.27	5.9	5.1					
1031+06 ²	345.6	339.75	9.27		5.1					

75 per corrected

sent to office x sec 1030+2J

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1031+06 ²	345.6	339.75	2.04	5.8	6.2					
+31 ²	343.4	338.75	13.04 10.27	4.6	8.4	1168	332.95	321.27	B.M.	
+50	343.2	338.00	13.79 5.91	5.2	8.6	1194	331.098	331.97		
+75	342.2	337.00	6.91 12.02	5.2	1.7					
1032	341.5	336.00	7.97 3.93	5.5	2.4					
+25	340.1	335.00	8.91 6.93	5.1	3.3					
+50	336.1	332.00	11.01 9.93	4.1	7.8					
+75	332.2	329.00	14.91 12.93	3.2	11.7					
1033	331.5	326.00	6.91 5.16	5.5	1.7					
+25	328.2	323.00	9.91 8.10	5.2	4.8					
+50	324.6	320.00	12.95	4.6	8.4					

-4.00%

12.00%

B.M.
354.02 out

B.M.

3.80 347.99 T.P. 25' off 1039+712

30099

7-30-26

707

4.91 341.93 1.00 307.02 T.P.

2.12 331.10 2.95 328.93

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1033+50	324.6	320.00		4.6						
775	321.2	316.00	16.95 9.84	5.2	11.7	318.58 307.77				
1034	318.0	312.00	16.00% 10.29 9.26	6.8	4.3	320.367.36 H.I. 311.90	362.113.M			
+25	312.5	308.00	14.29	4.5	9.8	7.11	304.79 ^{set} 3.M			
+32	307.9	307.89	10.65	0.0	10.7					Changed 7-20-26 Grade Elev.
+40	307.9	307.76								
Pier +50	302.4	307.60			5.4					1039+40 0.0 307.76 ✓
Void ↑										
770		307.20								1039+60 Pier 307.44 305.6
Void										
Pier +80	300.00	307.12	1.6%		7.8					1034+90 Pier 306.96 301.3
1035	306.8	306.80	1	5.1	0.0					
Void										
Pier +10	306.6	306.64	11.94		12					1035+00 0.0 306.80 ✓
+25	310.3	306.40	9.02 9.56	3	3.9	5.1				
+50	310.5	306.00	9.42 17.96	4.5	9.9					
+75	313.0	308.88	6.54	4.1	2.4					
1036	316.3	311.75	11.50% 13.28	4.5	8.8					

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1036	316.3	311.75		4.5						
+25	319.0	314.63	10.40	4.4	16.0	12.10	336.33000	324.23		
+50	322.7	317.50	7.53	5.2	2.3	7.72	337.50	329.78		
+75	326.6	320.38	15.95	6.2	2.7					
1037	328.4	323.25	12.08	5.2	6.9					
		+11.50%								
+25	332.0	326.12	10.21	5.9	4.0					
+50	335.8	329.00	7.33 8.50	6.8	0.5					
+75	337.4	329.08	14.44	8.3	6.1					
1038	339.0	329.15	14.37	9.8	4.6					
		+0.308%								
+25	339.5	329.23	14.29	10.3	4.0					
+50	336.9	329.31	14.21	7.6	6.6					

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1038+50	336.5	329.31		7.6						
+75	335.9	329.39	4.13	6.5	7.6	332.98				
1039	335.3	329.46	4.06	5.8	8.3	343.52				
+25	333.4	329.54	3.98	3.9	10.1					
+50	331.8	329.62	12.90	2.2	11.7					
+61	329.6	329.65	3.33	0.0	3.3	9.33	341.14		337.81	
+75		329.69								
Pier +80	326.4	329.71			6.6					
1040		329.77								
Pier +10	323.4	329.80			9.6					
+25		329.85								
Pier +40	325.7	329.89			7.3					
+50		329.92								
+58	330.0	329.95		0.0						
+75	335.6	330.00	11.14	5.6	5.5					
1041	340.8	333.75	7.39	7.0	0.4					

331.81 B.M.
Set 7-16-26

4.01 336.04-11.97 332.05

4.23 331.83

11.64 350.60 2.18 338.96

5.00%
+

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1041	340.8	333.75		7.0						
							350.60			
+25	345.5	337.50	13.10 12.63	8.0	5.1	2.25	359.90	0.65	349.95	
+50	348.2	341.25	9.35 8.88	7.0	2.3	12.61	344.42		331.81	
+75	349.9	345.00	5.60 5.13	4.9	0.7	5.78	350.13	0.07	344.35	
1042	351.0	346.00	13.90	5.0	8.9					
+25	352.2	347.00	12.90	5.2	7.7					
+50	353.5	348.00	11.90	5.5	6.4					
+75	354.0	349.00	18.90	5.0	5.2					
1043	354.5	350.00	9.90 10.40	4.5	5.4					
+25	355.5	349.88	10.02	5.6	4.4					
+50	356.2	349.75	10.15	6.4	6.2					

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1043+50		349.75	110.10							
+75	355.6	349.62	10.28	6.0	4.0	204	359.90	356.53	5.41	354.49
+81	354.2R	349.59	10.31							
1044	355.3	349.50	10.40	5.8	4.0					
+20	355.5	349.38	10.52	6.1	4.4					
+10	354.6	349.25	10.65	5.4	5.2					
+75	354.5	349.12	10.78	5.4	5.1					
1045	354.0	349.00	10.90 11.40	5.0	5.2					
+20	354.4	348.25	11.65	6.2	5.5					
+50	353.6	347.50	9.03	6.1	3.2					
+75	352.9	346.75	9.78	6.1	3.1					

-0.50%

-0.00%

SECTION

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL		
			LEFT	C	RIGHT
1045	352.9	346.7		6.1	
1046	352.0	346.00	10.53 5.41	6.0	+5
+2	351.3	344.62	11.91	6.7	5.2
+10	350.6	343.2	13.28	7.4	5.9
+7	349.5	341.88	14.65	7.6	6.9
1047	347.8	340.50	16.03	7.3	8.7
+2	345.4	339.12	17.41	6.4	11.0
+10	343.2	337.75	8.78 6.58	5.4	13.4
+7	341.0	336.38	7.95	4.6	3.3
1048	339.3	335.00	9.33	4.3	5.0
+2	338.1	334.00	10.33	4.1	6.2

SECTION

AREAS	CUBIC YDS.		REMARKS
	EXCAVATION	EMBANKMENT	
	356.53		
070	344.33	2.20	343.63
	1.89		342.44 B.M.
114	343.58		342.94
897	357.41		342.94 B.M.

5.15
+6
9.75

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1048+25	338.1	334.00		4.1						
+50	336.7	333.00	11.33	3.7	7.6	2.12	333.69	2.76	3.31	57
+75	335.8	332.00	12.33	3.8	8.5		393.58			
1049	334.7	331.00	13.33	3.7	9.6	1.20	333.20	1.38	3.32	20
+25	333.7	330.00	14.33	3.7	10.6					
+50	333.1	329.00	15.33	4.1	11.2					
+75	332.2	328.00	16.33	4.2	12.1					
1050	331.8	327.00	6.69 6.20	4.8	1.9					
+25	330.8	326.50	17.19	4.3	2.9					
+50	331.1	326.00	7.69	5.1	2.6					
+75	329.6	325.50	8.19	4.1	4.1					

4.00%

2.00%

SECTION

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL		
			LEFT	C	RIGHT
1050+71	329.6	325.50	8.19	4.1	
1051	329.2	325.00	8.69	4.2	4.5
+25	329.0	324.50	9.19	4.5	8.7
+50	328.3	324.00	9.69	4.3	5.4
+75	327.7	323.50	10.19	4.2	6.0
1052	326.6	323.00	10.69	3.6	7.1
+25	327.0	322.50	11.19	4.5	6.7
+50	326.0	322.00	11.69	4.0	7.7
+75	326.3	321.90	11.79	4.4	7.6
1053	326.0	321.80	11.89	4.2	7.7
+25	326.1	321.70	11.99	4.4	

1/100%
-2.00%

0.100%

SECTION

AREAS		CUBIC YDS.		REMARKS
EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
3336.9				

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL		
			LEFT	C	RIGHT
1053+25	326.1	321.70		4.4	
+50	327.3	321.60	10.77	5.7	5.1
+75	326.4	321.50	10.87	4.9	6.0
1054	326.8	321.40	10.97	5.4	5.57
+25	327.2	321.30	11.07	5.9	5.2
+50	327.5	321.20	11.17	6.3	4.9
+75	328.3	321.10	11.27	7.2	4.1
1055	328.0	321.00	11.37	7.0	4.4
+25	327.8	320.75	11.62	7.0	4.6
+50	328.7	320.50	11.87	8.2	3.7
+75	327.3	320.25	12.12	7.1	5.0

0.40%
1

0.00
1

SECTION

AREAS		CUBIC YDS.		REMARKS
EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
333.69				
601	332.377.33	326.36		

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1055+75	327.3	320.25	12.12	7.1						
						332.37				
1056	326.9	320.00	12.37	6.9	5.5		8.21	324.16	B.M.	
+25	326.3	319.75	12.62	6.5	6.1	390	328.06	324.16		7.06 11.06
+50	325.7	319.50	12.87	6.2	6.7					
+75	324.1	319.25	13.12	4.9	8.2					
1057	324.0	319.00	13.37	5.0	8.4					
+25	323.4	318.75	13.62	4.6	7.0					
+50	323.3	318.50	13.87	4.8	9.1					
+75	323.1	318.25	14.12	4.9	9.2					
1058	323.4	318.00	14.37	5.4	9.0					
+25		317.75								

Notes sent in to here.

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL		
			LEFT	C	RIGHT
1058+25	323.8	317.75	9.02	6.0	3.0
+50	323.8	317.50	9.27	6.3	3.0
+75	323.4	317.25	9.52	6.2	3.3
1059	322.5	317.00	9.77	5.5	4.3
+25	321.4	316.00	10.77	5.4	5.4
+50	320.3	315.00	11.77	5.3	6.5
+75	318.2	314.00	12.77	4.2	8.6
1060	315.2	313.00	13.77	2.2	11.6
+20	312.6	312.60	3.79	0.0	3.79
+25 Pier	312.16	312.50	3.89		4.23
+50		312.00			
+55 Pier	309.64	311.90		6.75	
+70					

1.000%
 4.00%
 2.00%

SECTION

AREAS		CUBIC YDS.		REMARKS
EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
+ H.I.	- Elev			
316.39	313.54			BM Set 7-16-24
2.61	326.77	329.16		
4.21	317.95	323.3	13.54	
2.70	316.24	313.54		
				3.2 + 1060 8.24 + 1027.0 10.60 + 9 207.00 11.2 + 5.0 7.4

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1060+71										
Pier +85	309.9	311.30	7.42 5.09							
+95	311.1	311.10	5.29	0.0			316.39			
1061	311.2	311.00	5.39 6.75	0.2		66	317.75			
+25	311.6	310.50	7.25	1.1		62				
+50	311.8	310.00	7.75	1.8		600				
+75	313.1	309.50	8.25	3.6		47				
1062	312.1	309.00	8.75	3.1		565				
+25	311.9	308.50	9.25	3.4		585				
+50	312.0	308.00	9.75	4.0		575				
+75	312.4	307.70	10.05	4.7		525				
1063	312.9	307.40	10.35	5.5		485				
+25	313.4	307.10	10.65	6.3		425				

- 2.00%

- 2.00%

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1063+25	313.4	307.10	10.65	6.3						
+50	312.5	306.80	10.95	5.7						
+75	311.3	306.50	11.25	4.8						
1064	311.1	306.20	11.55	4.9						
+25	309.8	305.90	11.85	3.9						
+50	309.5	305.60	12.15	3.9						
+75	309.4	305.30	12.45	4.1						
1065	309.4	305.00	12.75	4.4						
+25	309.7	306.08	14.33	3.6						
+50	309.9	307.17	13.24	2.7						
+75	310.8	308.25	12.16	2.6						

1.20%

+4.333%

317.75
886 320416.203 11.58

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1068+71	324.3	318.86	10.85	5.4	5.5					
					5.0	329.71				
1069	324.7	319.14	10.57	5.6	5.0	3.85	328.68	4.83	324.83	
+21	324.6	319.42	10.29	5.2	5.1		329.32			
						5.26	329.62		324.36	
+50	326.1	319.71	10.0	6.4	3.6					
+70	324.9	320.00	9.71	4.9	4.8					
+70 ²	324.9	319.93	9.78 9.69	5.0	4.8					
1070+15 ²	324.8	319.82	9.89 9.80	5.0	4.9					
+40 ²	325.2	319.71	10.00 9.91	5.5	4.5					
+65 ²	325.9	319.60	10.11 10.02	6.3	3.8					
+90 ²	325.0	319.49	9.19 10.13	5.5	3.7					
1071+00 ²	324.8	319.44	9.14 10.18	5.4	3.8					

+ .14%

- 0.445%

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1071+25	324.2	319.33	9.35	4.9	4.5					
+50	324.3	319.22	9.46	5.1	4.4					
+75	324.7	319.11	9.57	5.6	4.0					
1072	324.2	319.00	9.68 10.62	5.2	4.5					
+25	323.1	318.25	10.43	4.9	5.5					
+50	322.5	317.50	11.13	5.0	6.2					
+75	323.4	316.75	11.93	6.6	5.3					
1073	321.2	316.00	12.68	5.2	7.5					
+25	320.9	315.25	13.43	5.7	7.7					
+50	319.7	314.50	14.18	5.2	9.0					
+75	318.6	313.75	14.93	4.8	10.1					

-0.445%

-0.09%

328.68

8-7-26
329.62

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCÁV.	EMBANK.	
1074	318.0	313.00	15.68 9.31	5.0	10.7	328.68				
+2J	317.8	312.57	16.11	5.2	10.9	324.819.94	11.28	316.70	1074+75 15' R.T.P.	
+JD	317.6	312.14	16.54	5.5	11.0	322.31		316.70		
+7J	316.9	311.72	16.96	5.2	11.8	8-8.26 313.92				
107J	316.4	311.29	8.65	5.1	3.6					
+2J	316.2	310.86	9.08	5.3	3.8					
+JD	315.1	310.43	9.51	4.7	4.8					
+7J	314.8	310.00	9.94 12.31	4.8	5.1					
1076	314.8	309.00	10.94 4.92	5.8	5.1					
+2J	313.3	308.00	11.94 3.92	5.3	6.6					
+34 ^S	313.2	307.62	12.32 6.30	5.6	6.7					

1.714%
 4.00%

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1076 +59 ^s	312.2	306.62	13.32 7.30	5.6	77					
+84 ^J	311.2	305.62	14.32 8.30	5.6	87	319.94				
1077 +09 ^s	310.4	304.62	15.32 9.30	5.8	95	11.76	184.99			
+25		304.00				0.4830737	306.89			
+34 ^J	308.3	303.24	16.70 10.68	5.1	116	0.052252113.01294.26				
+52 ^J	306.6	301.24	6.13 12.68	5.4	07	7.02 313.92	306.89			
+64 ^J	305.9	300.84	6.53 13.08	5.1	114	1.62 302.49 13.05 300.87				
+75 ^J	304.8	300.00	7.57 2.49	4.8	26	0.02 290.32 12.26 290.23				
1078	302.3	296.75	10.62 5.74	5.5	71					
+25	300.2	293.50	13.87 3.99	6.7	72					
+50	296.6	290.25	17.12 12.24	6.4	107					
+75	293.8	287.00	8.11 3.22	6.6	16					changed profile

1
4.00%

3
3.00%

1
13.00%

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1079	288.5	281.60 282.00 282.40	13.21	6.1 6.5	6.7	295.21				
+2J	284.1	276.20 277.00 277.80	18.21	6.3 7.1	11.2	1.16 284.04 12.33	282.88			
+JD	278.9	270.80 272.00 273.20	12.04	5.7 6.3	5.1	1.29 272.61 12.72	271.32			
+7J	273.0	265.40 267.00 268.60	17.04	4.4 6.0	11.0	4.77 267.22				
1080	268.3 +2.0	260.00 262.00 264.00	10.61 1.04	4.3 6.3	4.3	1.52 261.37 12.76	259.85			
+2J	264.0	254.67 256.67 258.67	5.94	5.3 7.3	8.6	0.62 265.04	264.42			
+JD	259.4	249.33 251.33 253.33	21.28 10.04	6.1 8.1	12.2					
+7J	254.4	244.00 246.00 248.00	15.37	6.4 8.4	7.0					
1081	248.6	238.67 240.67 242.67	20.70	5.9 7.9	12.8					
+2J	242.7	233.33 235.33 237.33	13.45	5.4 7.4	6.1					
+JD	237.4	228.00 230.00 232.00	18.78	5.4 7.4	11.4					

SECTION

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1081+7.5	232.8	222.67 224.67 226.67	12.03	6.1 8.1	3.9					
1082	226.4	217.33 219.33 221.33	17.37	5.1 7.1	10.3	248.78				
+2.5	220.7	212.00 214.00 216.00	9.88	4.7 6.7	3.2	0.88 236.70 12.96	2 35.82			
+1.0	215.7	204.47 208.67 210.67	15.21	5.0 7.0	3.2	0.10 223.88 12.92	2 23.78			
+1.75	209.1	201.33 203.33 205.33	7.48	3.8 5.8	1.7	0.05 210.84 13.09	2 10.79			
1083	204.2	194.47 198.00 200.00	12.81 5.72	4.2 6.2	6.6	11.31 199.50				
+2.5	200.0	195.00	7.37	5.0	2.4	6.00 204.84 T.P.	11.84 1083.00			
+1.0	194.6	190.00	12.37	4.6	7.8	2.84 202.37	199.53			
+1.75	190.1	185.00	17.37	5.1	12.3	0.91 190.28 13.00	1 89.37			
1084	185.0	180.00	10.28 13.19	5.0	5.3	1.48 205.92	204.84			
+2.5	181.2	174.57	15.71	6.6	9.1	0.29 193.19 13.02	1 92.90			

-21.34%
 -18.00%
 -20.00%

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1084+50	177.4	169.14	21.4	8.3	12.8					
						190.28				
+7J	173.7	163.71	13.98	10.0	4.0	0.90	177.66	13.02	177.26	
						0.30	165.87	12.09	165.57	
1085	167.9	158.28	19.38	9.6	9.8	1.03	153.88	13.07	152.80	
							9.83	144.00		
+2J	159.4	152.85	13.02	6.6	6.9	0.52	144.65		144.06	BM
+JD	153.2	147.43	18.44 6.45	5.8	12.6 3.3					
						6.93	150.99		144.06	
+7J	148.7	142.00	11.08 8.33	6.7	5.2					
							8-11-26			
							135.98			
1086	145.5	139.43	14.40	6.1	3.4					
+2J	143.1	136.86	17.02	6.2	10.5					
+JD	140.8	134.28	10.37	6.5	3.9					
+7J	140.0	131.71	13.94	8.3	5.6					
1087	135.2	129.14	15.51	6.1	9.4					

-21.714%

-10.286%

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1087+25	132.8	126.57	18.05	6.2	11.9					
+50	129.4	124.00	10.28 11.93	5.4	4.9	194.65				
+75	129.6	123.36	10.92	6.2	4.7	8-11-26 135.98				
1088	129.7	122.72	11.56	7.0	4.6	1.55	125.55	11.93	124.00	
+25	128.0	122.07	12.21	5.9	6.3					
+50	126.0	121.43	12.85	4.6	8.2					
+75	126.4	120.79	13.49	5.6	7.9					
1089	125.8	120.15	14.13	5.6	8.5					
+25	124.8	119.51	14.77	5.3	9.5					
+50	123.4	118.86	15.42	4.5	10.9					
+75	122.6	118.22	16.06	4.4	11.7					

-2.571%

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1090	121.4	117.58	6.70	3.8	12.9					
						134.28				
+25	120.7	116.94	7.34	3.8	13.0	264	124.93	11.29	122.29	
+50	120.7	116.29	8.64	4.4	4.2					
						8-11-26				
						125.50				
+75	121.0	115.65	9.28	5.4	3.9	110	115.74	10.91	114.64	
1091	120.2	115.00	9.93	5.2	4.7					
+25	119.3	113.83	11.10	5.5	1.6					
+50	117.7	112.67	12.26	5.0	2.3					
+75	116.2	111.50	13.43	4.7	3.7					
1092	114.8	110.33	14.60	4.5	10.1					
+25	113.5	109.17	15.76	4.3	11.5					
+50	112.4	108.00	16.93	4.4	12.5					

SECTION

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1092+75	111.8	106.83	18.10	5.0	12.1	129.93				4.45
1093	110.3	105.67	8.93	4.6	4.3	2.50	114.60	12.83	112.10	
+25	109.4	104.50	10.10	4.9	3.2	7.28	110.65	103.27	B.M.	5.66 103.27
+10	108.4	103.33	11.27	5.1	6.2	8-11-26 115.74				
+75	107.3	102.17	12.43	5.1	7.3	2.26	109.25	8.75	106.99	
							6.14	103.11		
							120.29	118.57		
1094	106.4	101.00	13.60 14.74	5.4	8.2	9.66	108.93	13.02	107.27	
+25	105.6	100.50	14.10 12.15	5.1	9.0	Notes sent to office 8-8-26				
+50	104.8	100.00	10.65	4.8	5.8	5.07	149.13	149.06	B.M.	
+75	104.9	99.50	11.15	4.9	6.3	6.11	142.33	12.91	136.22	
						1.47	137.60	12.20	130.13	
						1.72	120.29	13.03	118.57	1091 + 50 15' off
						13.12	108.93	5.62	114.67	
1095	104.1	99.00	11.65	5.1	6.5		1.66			
+25	103.2	98.50	12.15	4.7	7.4		1.78	107.15	T.P.	
							5.66	103.27	B.M.	

- 4.667%

- 2.00%

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1095+50	103.7	98.00	12.65	5.7		110.65				
+75	102.2	97.25	13.40	5.0	2.9					
1096	102.7	96.50	14.15	6.2	7.05	173	120.35	118.57		
+25	101.1	95.75	14.90	5.3	9.6	5.61	108.88	103.27	B.M.	
+50	100.8	95.00	15.65	5.8	2.85	1.53	104.80	103.27		
+75	101.5	95.50	15.15	6.0	2.5	6.57	109.57	103.00	Grad. Hubert	10734
1097	100.6	96.00	14.65 8.80	4.6	10.5					
+25	100.7	97.75	12.90	2.9	10.0					
+50	103.0	99.50	11.15	3.5	7.5					
+75	105.8	101.25	9.90	4.6	9.8					
1098	107.6	103.00	7.65 1.80	4.6	9.8					

-3.00%

+2.00%

+7.00%

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1098+20	108.3	102.75	7.90	5.5	2.4					
+50	107.8	102.50	8.4	5.3	3.1	110.65				
+75	107.2	102.25	8.66	5.0	3.7	372 110.913.46	107.19 T.P			
						280 101.0512.25	98.16 T.P 15	offset		1100+72 E
1099	106.9	102.00	8.99 7.57	4.9	4.6	109.57				
						8-12-20				
725	106.1	101.25	9.66 6.63	4.9	4.8	372 101.88	98.16			
+50	105.6	100.50	10.41 1.38	5.1	5.3	230 91.5812.60	89.28			
+72 1/2	104.8	99.82	11.09 2.06	5.0	6.1					
+97 1/2	104.0	99.07	11.84 2.81	4.9	6.9					
1100+00		99.00								
1100+22 1/2	102.8	96.51	14.40 5.37	6.3	8.1					
+47 1/2	100.5	93.76	17.15 8.12	6.7	10.47					
+72 1/2	96.8	91.01	10.04 10.87	5.8	4.2					

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1100+97 ^e	94.0	88.26	12.79 3.32	5.7	7.1					
1101+00		88.00				101.05				
1101+22 ^e	92.2	87.25	13.80 4.33	5.0	8.8	362	92.23	12.45	88.61	
+47 ^e	91.4	86.41	14.64 5.17	5.0	9.6	8-12-24 91.58				
+72 ^e	89.7	85.58	15.47 6.00	4.1	11.4	7.39	88.82	10.15	81.43	
+97 ^e	90.0	84.75	16.30 6.83	5.2	11.1					
1102+22 ^e	89.0	83.92	17.13 7.66	5.1	12.0					
+47 ^e	88.5	83.08	17.77 8.50	5.4	12.6					
+72 ^e	87.3	82.25	9.98 9.33	5.1	9.85					
+97 ^e	87.3	81.42	10.81 10.16	5.9	4.9					
1103+22 ^e	86.9	80.58	11.65 8.24	6.3	5.33					
+47 ^e	86.9	79.75	12.48 9.97	7.1	5.35					

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1103+72	85.8	78.92	13.31 9.90	6.9	6.4					
1103+90	82.5	78.33	13.90	4.2	9.7	92.23				
1104	86.0	78.00	14.23 10.82 3.41	8.0	6.2	3.08	89.11	B.M.	Syc. Tree	
+25	86.8	78.05	13.04 10.77 2.27	8.8	4.2	1.94	91.09	89.15	B.M.	
+50	85.7	78.10	12.92 10.72 2.20	7.6	5.4	3.93	89.27	87.71	85.34	T.P.
+75	86.1	78.15	12.94 10.67 2.27	7.9	5.0					
1101	86.3	78.20	12.89 10.62 2.27	8.1	9.8					
+25	86.4	78.25	12.84	8.2	4.6					
+50	86.4	78.30	12.79	8.1	4.7					
+75	86.8	78.35	12.74	8.4	4.2					
1106	84.5	78.40	12.69	6.1	6.6					
+25	85.2	78.45	12.64	6.8	5.8					

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1106+50	84.7	78.50	10.77	6.2	4.4					
+75	84.3	78.55	10.72	5.7	5.0					
1107	84.1	78.60	10.67	5.5	5.2					
+25	84.1	78.65	10.62	5.5	5.1					
+50	84.2	78.70	10.57	5.5	5.1					
+75	84.1	78.75	10.52	5.3	5.2					
1108	83.9	78.80	10.47	5.1	5.4					
+25	83.8	78.85	10.42	5.0	5.4					
+50	83.8	78.90	10.37	4.9	5.5					
+75	83.7	78.95	10.32	4.7	5.6					
1109	83.4	79.00	10.27	4.4	5.9					

SECTION

EXCAVATION

EMBANKMENT

EXCAV.

EMBANK.

89.27

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1111+80 [±]		111.33								
1112+05 [±]		114.23				117.80				
+30 [±]		117.13 ✓				116.52	129.72	0.60	117.20	
+44	118.70	118.70	11.02	0.0	11.02	116.37	140.56	0.53	129.19	
+55 [±]	120.03	11.6% 120.03	2.69	1.3	3.4 0.7	2.63	137.93		B.M.	
+80 [±]	122.93		6.79	4.4	2.4 1.0					
1113+05 [±]	125.83 ✓		14.73	6.3	3.4 0.6					
+30 [±]	128.73		11.83	6.7	5.1 1.3					
+50	131.00 X									
+55 [±]	131.50		9.06	5.7	3.4 3.4					
+80 [±]	133.83	9.33% 133.83	6.73	5.4	1.3 2.1					
1114+05 [±]	136.17 +		16.92	5.9	11.3 11.0					
+25	138.00 X									
+30 [±]	139.44		13.65	5.0	8.7 7.9					

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1114+55 ⁴ EC.	146.10	+26.667%	6.99	5.0	2.0					
+75	151.34		14.32	3.3	11.0	153.09				
1115	158.00	+28.00% changed to 30%	7.66	4.1	3.6	12.91	165.66	0.34	152.75	
+25	165.00		13.27	3.6	9.7	13.00	178.27	0.35	165.27	
+50	172.00	+32.00%	6.27	4.3	2.0	12.43	196.06	0.64	177.63	
+75	180.00		13.06	4.0	7.6	12.02	201.94	0.14	189.92	
1116	188.00	+32.00%	13.94	4.5	2.0	13.13	214.71	0.36	201.58	
+25	196.00		5.24	4.7	7.6	corrected 219.61	10.61	204.00	B.M.	
+50	204.00	+32.00%	10.6	6.6	2.0	11.87	226.41	0.07	214.54	
+75	212.00		14.41	7.1	7.3	11.63	237.61	0.43	225.98	
1117	220.00	+32.00%	6.41	5.8	2.0					
			17.61		8.1					

SECTION

SECTION
12.8
7
17.1

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1117+25		226.25	11.36	5.8	5.6 3.2					
		+25.00%								
+JD		232.50	15.11	5.2	-0.1					
		+25.00%								
+75		238.75	13.21	5.6	7.6 6.0					
		+25.00%								
1118		245.00 X	6.96	4.4	2.6					
		+25.00%								
+26 ^g Bl.		251.07	12.96	5.2	7.8 6.5					
		+25.00%								
+51 ^g		256.82	7.21	4.5	2.7 0.9					
		+25.00%								
+76 ^g		262.57	3.91	5.1	8.3 7.2					
1119+00		268.00 X								
1119+01 ^g		268.25	8.23	5.2	3.0 2.0					
		+25.00%								
+26 ^g		272.75	15.81	6.4	9.6 8.7					
		+18.00%								
+51 ^g		277.25	11.31	7.0	4.3 6.4					
		+18.00%								
+76 ^g		281.75	18.97	7.0	12.0 12.5					

237.61

3.2 | 234.40 T.P. 15' L. 1117+25

300.72

288.56 | 288.08 T.P. Top of P.I. Guard Stake

276.48 | 275.89

2.04 | 274.44 T.P. 15' L. 1119+01

264.03 | 263.38

251.96 | 251.35 T.P. 15' L. 1118+00

241.38 | 240.59 T.P. 15' L. 1117+50

7.00 | 234.38

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1120+01 [±]		286.25	14.77	6.9	7.6					
+26 ⁴		290.75	9.97	6.5	2.5 4.3	336.43				
+51 [±]		295.25	16.65	6.2	11.5 11.7	10.73	325.70			T.P. 15' R 1122+00
+76 [±]		299.75	12.15	7.2	5.1 6.2	0.67	324.02	13.08	323.35	
1121+00		304.00				0.13	311.90	12.35	311.67	
1121+05 [±] EC		304.86	19.16	6.8	12.4 13.2	12.7	300.72	12.45	299.45	
+25		308.00	16.02	7.0	9.0 9.2					
+50		312.00	12.02	6.3	5.7 6.6					
+75		316.00	8.02	6.2	1.8 2.4					
1122+01		320.00	16.93	5.8	10.6 10.73					
+25		323.25	13.18	5.9	7.0					
+50		326.50	9.93	5.9	4.0 3.7					

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1122+74		329.75	18.74 6.68	5.5	13.2 12.4					
						346.55				
1123		333.00	15.49	5.1	18.4 2.2					
						3.11	323.44	B.M.		
+25		335.00	12.79	5.6	7.9 6.0					
						3.30	243.20	T.P. 1123		
+50		337.00	11.99	5.6	5.9 3.0	2.50	248.49	0.56	245.99	
						3.50	244.99	T.P. 1123		
+75		326.83	11.66	6.2	5.1 3.0	9.26	239.23	T.P. 1123		
						2.97	236.43		323.96	
1124		336.67	11.82	6.3	5.5 1.7					
+25		336.50	10.05 11.99	6.4	3.6 1.6					
+50		326.33	10.22	6.1	4.1 0.7					
+75		336.16	10.39	5.6	4.8 1.9					
1125		336.00	10.55	4.9	5.9					
+25		334.00	12.55	6.4	6.3 4.1					

SECTION

127.1
76
1193
0.76 Correction

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1125+50		332.00	14.51	6.6	3.0					
					5.9					
+77-		330.00	7.21	5.9	1.3					
			6.55		7.3					
1126		328.00	9.21	5.3	2.2					
					1.1					
+25-		324.50	12.71	6.3	6.4	11.01	313.72	302.71		
					3.2					
+50		321.00	12.21	6.0	10.2	11.66	326.12	314.46		
					6.7					
+77-		317.50	8.62	5.9	2.7	11.39	337.21	325.82		
			12.71		2.7					
1127		314.00	12.12	4.6	7.5					
+25-		312.30								
		316.00	13.82	3.5	10.3					
+48					1.0					
+50		310.00	4.64	0.3						
+52		310.00		0.0	12.60					
+70-		310.92								
+77		310.40								
1128		310.00								

322.71

1168 311.03
6.90
304.13

11.01 313.72 302.71

11.01 315.24 304.23

11.66 326.12 314.46

11.39 337.21 325.82

2.65 346.55 336.90

SECTION

0.76 correction

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1128+25	311.20									
+40	311.44	%0.91 +	11.27	0.0		341.35				
+50	311.60		11.11	0.9 1.5		1.58	330.06	12.87	328.48	
+75	312.60			3.5		1.95	322.71	9.30	320.76	
	312.00	X	10.71	4.1	6.6					
1129	315.70				2.8					
	315.25		10.81	3.2	11.6					
+20	318.80	%0.90 +		3.3						
	318.50		11.56	3.6	8.0					
+50	321.90	%1.24 +		4.6						
	321.75		8.31	4.7	3.0					
+75	325.00	X	16.35	4.3	12.1					
1130	327.00			14.35	5.4	9.0				
+25	329.00	%0.90 +	12.35	5.6	6.3					
+50	331.00		10.35	5.8	4.0					
+75	333.00	X	8.35	5.6	2.8					

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1133+75		288.22								
						784	296.57	288.73		
1134		287.78				0.76	284.63	12.70	283.87	
+25		287.33								
						8-11-20				
						1.32	291.05		288.73	
+50		286.89				1.96	280.44	12.07	278.98	
+65	286.6	286.62			0.0					
+75	286.6	286.44	4.61		0.2					
1135	2882	286.00	10.57 5.05	2.2	8.5					
+25	2894	284.67	11.90 6.38	4.7	7.2					
+50	287.4	283.33	13.24 7.72	4.1	9.1					
+75	286.3	282.00	14.57 9.05	4.3	10.3					
1136	284.5	277.00	19.57 3.44	7.5	12.1					
+25	279.7	272.00	24.57 8.44	7.7	4.0					

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1136+50	279.5	267.00	17.63 13.94	7.5	10.1					
+69 ^c	B.C. 269.8	263.08	21.55 5.36	6.7	3.7	1.09	273.52	12.20	272.43	
+94 ^c	263.1	258.08	15.94 10.39	5.0	10.4	0.36	261.14	12.74	260.78	
1137		257.00	11.44				899		294.14	B.M.
1137+19 ^c	257.2	252.61	10.1 3.44	4.6	5.1	1.35	262.70		2250.35	
+44 ^c	251.0	247.01	13.06 9.06	4.0	11.7	1.92	253.27		220.35	
+50						10.01	241.26	11.92	241.35	
+69 ^c	246.4	241.41	5.84 2.19	5.0	6.9		257.23		238.77	
+94 ^c	242.1	235.81	17.46 7.79	6.3	11.2	0.78	268.44	12.78	267.66	
1138+19 ^c	235.7	230.21	11.13 2.15	5.5	5.6	0.39	256.07	12.76	255.68	
+25		229.00				0.26	243.60	12.73	243.34	
+44 ^c	233.6	227.49	13.87 4.87	6.1	7.8	0.31	232.36	11.55	232.05	
+69 ^c	230.4	225.57	5.79 6.79	4.8	11.0					
+94 ^c	228.8	223.65	17.71 8.71	5.2	12.1					

1.36
2.55
1.81

+20%

-22.40%

7.69%

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1139+03 ⁸	E. 2279	222.92	8.44 9.44	5.0	8.1 8.5	241.36				
+25	2271	221.29	20.07 11.07	5.8	9.5 9.4	816.236.461306	228.30			
+50	2250	219.36	17.10 13.00	5.6	11.5	314.229.0710.53	225.93			
+72 ^Z	2232	217.62	18.84 4.74	5.6	13.2	12289.95	288.73			
+52 ^Z	Equation	217.62				8-11-16 232.36				
+75	2217	215.92	13.15 6.44	5.8	7.4	2.92.222.3612.79	219.37			
1140	2200	214.00	15.07 8.36	6.0	2.1	2.62.213.1311.88	218.51			
+25	2181	212.25	6.72 10.11	5.9	10.8					
+50	2155	210.50	18.57 11.86	5.0	13.6					
+75	2131	208.75	8.40 4.38	4.3	5.1					
1141	2116	207.00	10.15 6.13	4.6	5.6					

changed
8.57
7.00
7.00%

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL		
			LEFT	C	RIGHT
1141+20	2108	205.25	11.28 7.88	5.6	4.3
+50	207.9	203.50	13.65	4.4	9.3
+71	206.0	201.75	15.40 11.38 7.9	4.2	11.2
1142	205.2	200.00	17.15	5.2	12.0
+25	203.5	191.50	13.76	11.8	2.0
+50	192.0	183.00	22.24	9.0	13.2
+64				0.0	
+75		182.50			
1143		182.00			
+25		181.50			
+50		181.00			
+64	180.7	180.72		0.0	
+75	186.7	180.50	16.75	6.2	10.6
+90	192.3	180.20	16.55	12.1	4.5

SECTION

	AREAS		CUBIC YDS.		REMARKS
	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
074	20526	204.52	BM		
1263	217.15	204.52	BM		
1174	196.75	184.29			
	213.13				

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL		
			LEFT	C	RIGHT
1144	191.0	180.00	16.75	11.0	5.8
+2.5	189.9	176.67	20.08	8.2	11.9
+5.0	180.9	173.33	23.42 11.51	7.6	3.0
+7.5	178.1	170.00	26.75 14.84	8.1	6.7
1145	175.3	166.67	30.08 12.91	8.6	2.6
+2.5	172.4	163.33	33.42 21.51	9.1	12.4
+5.0	166.2	160.00	24.84 15.26	6.2	2.1
+7.5	164.2	159.00	25.84 16.26	5.2	1.1
1146	164.3	158.00	26.84 17.26	6.3	1.0
+2.5	165.3	157.00	27.84 18.26	8.3	10.0
+5.0	165.6	156.00	28.84 19.26	9.6	2.7

13.333%
 - 4.00%

SECTION

15.10
 34
 18.5
 1.0
 1.2
 2.2

AREAS		CUBIC YDS.		REMARKS
EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
196.75				
0.62 184.84	12.53	184.22		
1.02 175.26	10.60	174.24		
2.32				

SECTION

STA.	ELEVA.	GRADE	CUT OR FILL			AREAS		CUBIC YDS.		REMARKS
			LEFT	C	RIGHT	EXCAVATION	EMBANKMENT	EXCAV.	EMBANK.	
1146+75	160.8	151.50	23.76 11.80	9.3	2.5	175.26		138.05		
1147+04	155.1	146.19	17.11	8.9	8.2	12.92				
+29	148.3	141.69	21.61 9.65	6.6	3.1	0.96	163.30	162.34		
+50		138.00								
+54	149.5	137.28	14.06	7.2	6.9	5.13	145.30	140.17		
+79	139.7	133.28	18.06	6.4	4.7	7.30	138.00	B.M. = 128.05 Book		
1148+00		130.00				12.51	155.29	2.02	143.28	
1148+04	135.2	129.64	15.66	5.6	10.1 7.0	14.72	166.60	8.91	154.88	
+29	134.6	127.64	17.66	7.0	10.7	9.45	175.68	3.7	166.23	
+50		126.60								
+54	134.4	125.82	19.48	8.6	10.9					
+63	135.0	125.47	19.83	9.5	10.2					
+75		125.00								
1149		124.00								

✓ Notes sent to office 8-15-26

