



Grate Elev. Std. # 4 C.B. Sta. 866 + 50 804.99
 Fl 18" I-2 @ Std. # 4 C.B. Sta. 866 + 50 802.32
 Fl 18" I-2 @ Outlet 112 Rt. Sta. 866 + 50 799.30
 Fl 8" I-2 @ Std. # 4 C.B. Sta. 866 + 50 803.15

(D) DRAINAGE

REF. NO.	STATION	DEPTH OF SODDING	SLOPES	WIDTH OF SODDING	LENGTH	S. Y.	E-2	I-2	I-4	I-5	I-8	L-10	S-1	S-4	S-29									
FROM	TO	FT.	F. B.	FT.	FT.	FT.	C.Y.	CLASS "A" STORM SEWER UNDER PAVT. SEC. M-65 (b) OR SEC. M-68 (b)	8" 18"	8" PIPE UNDER-UNDER-DRAIN DRAIN SHALLOW DEEP	6" PIPE UNDER-UNDER-DRAIN DRAIN SHALLOW DEEP	6" 90° BEND	6" 60° WYE	6" 90° INCREASER	6"x8"x8" TEE INCREASER	STD. #4 CATCH-BASIN	SODDING STRUCT. CLASS "C"	CONC. FOR STRUCT. CLASS "C"	REINF. STEEL	DRAINAGE OF STRUCT. NO. 2				
1-D	860+00	0.2	4:1	4.1	3.5	64	6	CLASS "A" STORM SEWER UNDER PAVT. SEC. M-65 (b) OR SEC. M-68 (b)	32	6" PIPE UNDER-UNDER-DRAIN DRAIN SHALLOW DEEP	350	6" 90° BEND	1	6" 90° INCREASER	1	STD. #4 CATCH-BASIN	1	CONC. FOR STRUCT. CLASS "C"	3.2	REINF. STEEL	146	DRAINAGE OF STRUCT. NO. 2	0.3	
2-D	860+00	0.2	4:1	4.1	3.5	64	6	CLASS "A" STORM SEWER UNDER PAVT. SEC. M-65 (b) OR SEC. M-68 (b)	24	6" PIPE UNDER-UNDER-DRAIN DRAIN SHALLOW DEEP	996	6" 90° BEND	1	6" 90° INCREASER	1	STD. #4 CATCH-BASIN	1	CONC. FOR STRUCT. CLASS "C"	3.2	REINF. STEEL	146	DRAINAGE OF STRUCT. NO. 2	0.3	
3-D	860+00	0.2	4:1	4.1	3.5	64	6	CLASS "A" STORM SEWER UNDER PAVT. SEC. M-65 (b) OR SEC. M-68 (b)	24	6" PIPE UNDER-UNDER-DRAIN DRAIN SHALLOW DEEP	1027	6" 90° BEND	1	6" 90° INCREASER	1	STD. #4 CATCH-BASIN	1	CONC. FOR STRUCT. CLASS "C"	3.2	REINF. STEEL	146	DRAINAGE OF STRUCT. NO. 2	0.3	
4-D	860+00	0.2	4:1	4.1	3.5	64	6	CLASS "A" STORM SEWER UNDER PAVT. SEC. M-65 (b) OR SEC. M-68 (b)	24	6" PIPE UNDER-UNDER-DRAIN DRAIN SHALLOW DEEP	354	6" 90° BEND	1	6" 90° INCREASER	1	STD. #4 CATCH-BASIN	1	CONC. FOR STRUCT. CLASS "C"	3.2	REINF. STEEL	146	DRAINAGE OF STRUCT. NO. 2	0.3	
5-D	866+50	0.2	4:1	4.1	3.5	64	6	CLASS "A" STORM SEWER UNDER PAVT. SEC. M-65 (b) OR SEC. M-68 (b)	110	6" PIPE UNDER-UNDER-DRAIN DRAIN SHALLOW DEEP	716	6" 90° BEND	1	6" 90° INCREASER	1	STD. #4 CATCH-BASIN	1	CONC. FOR STRUCT. CLASS "C"	3.2	REINF. STEEL	146	DRAINAGE OF STRUCT. NO. 2	0.3	
6-D	869+00	0.2	4:1	4.1	3.5	64	6	CLASS "A" STORM SEWER UNDER PAVT. SEC. M-65 (b) OR SEC. M-68 (b)	32	6" PIPE UNDER-UNDER-DRAIN DRAIN SHALLOW DEEP	682	6" 90° BEND	1	6" 90° INCREASER	1	STD. #4 CATCH-BASIN	1	CONC. FOR STRUCT. CLASS "C"	3.2	REINF. STEEL	146	DRAINAGE OF STRUCT. NO. 2	0.3	
7-D	866+00	0.4	4:1	4.1	7.0	278	6	CLASS "A" STORM SEWER UNDER PAVT. SEC. M-65 (b) OR SEC. M-68 (b)	24	6" PIPE UNDER-UNDER-DRAIN DRAIN SHALLOW DEEP	1027	6" 90° BEND	1	6" 90° INCREASER	1	STD. #4 CATCH-BASIN	1	CONC. FOR STRUCT. CLASS "C"	3.2	REINF. STEEL	146	DRAINAGE OF STRUCT. NO. 2	0.3	
		SODDING LEFT DITCH		SODDING RIGHT DITCH																				
		DEPTH OF SODDING	SLOPES	WIDTH OF SODDING	LENGTH	S. Y.																		
		869+00	0.2	4:1	4.1	64																		
		870+00	0.2	4:1	4.1	64																		
		866+00	0.2	4:1	4.1	278																		
		870+00	0.4	4:1	4.1	278																		

(R) ROADWAY

REF. NO.	STATION	TO	FROM	LI	RT	TOTAL
I-15 GUARD RAIL STEEL BEAM (L-2-B)				75	250	325
I-15 GUARD RAIL STEEL BEAM (L-2-B)				75	250	325
I-15 GUARD RAIL STEEL BEAM (L-2-B)				75	250	325

STATION	DEPTH OF SODDING	SLOPES	WIDTH OF SODDING	LENGTH	S. Y.
869+00	0.2	4:1	4.1	100	64
870+00	0.2	4:1	4.1	100	64
866+00	0.2	4:1	4.1	400	278
870+00	0.4	4:1	4.1	7.0	278

EXCAVATION = 22,749 C.Y.
 EMBANKMENT = 18,213 C.Y.
 EMBANKMENT +22% = 22,220 C.Y.