



CONDUIT AND WIRE TABLE		
LOCATION	CONDUIT/PIPE	WIRE
LAMP # 5 - #1 - H.H. NO.1	2" GALV. STEEL	3-# 8, XLP - RHH CABLE
H.H. NO. 1-LAMP #6-#9	2" GALV. STEEL	3-# 8, XLP - RHH CABLE
LAMP#15 - 10 - H.H. - NO.2	2" GALV. STEEL	3-# 8, XLP - RHH CABLE
H.H. NO.2 - LAMP #16 - # 20	2" GALV. STEEL	3-# 8, XLP - RHH CABLE
LAMP # 28 - #21 - H.H. NO. 3	2" GALV. STEEL	3-# 6, XLP - RHH CABLE
H.H. NO.3 - LAMP #29 - # 37	2" GALV. STEEL	3-# 6, XLP - RHH CABLE
P.P.(SW&FUSE)-H.H.	2" GALV. STEEL	3-# 6, XLP - RHH CABLE
25' AL. POLES	LIGHT POLE	3-# 10, XLP - RHH CABLE AND 10 AMP FUSES IN EACH LIGHT POLE

VOLTAGE CALCULATION AT LAST LIGHTING UNIT ON EACH CIRCUIT				
LOCATION	CIRCUIT	LENGTH	VOLTAGE	
LAMP # 5 - # 1 - H.H. NO. 1-P.P.	AB	655 FT.	234.7 VOLTS (2.2%)	
PP. - H.H. NO. 1 - LAMP # 6 - # 9	CD	439 FT.	237.2 VOLTS (1.2%)	
LAMP # 15 - # 10 - H.H. NO. 2 - P.P.	EF	690 FT.	233.3 VOLTS (2.8%)	
PP. - H.H. NO. 2 - LAMP # 16 - # 20	GH	710 FT.	234.3 VOLTS (2.4%)	
LAMP # 28 - # 21 - H.H. NO. 3 - P.P.	IJ	1141 FT.	230.7 VOLTS (3.9%)	
PP. - H.H. NO. 3 - LAMP # 29 - # 37	KL	1209 FT.	228.9 VOLTS (4.6%)	

LOAD TABULATION FOR LIGHTING CONTROLLER		
CKT	AMPS	LUMINAIRES
CKT - AB	5 AMPS	5 LUMINAIRES, #1 - #5
CKT - CD	4 AMPS	4 LUMINAIRES, #6 - #9
TOTAL LOAD (H.H. NO 1)	9 AMPS	9 LUMINAIRES, #1 TO #9
EF	6 AMPS	6 LUMINAIRES, #10 TO #15
GH	5 AMPS	5 LUMINAIRES, #16 TO #20
TOTAL (H.H. N. 2)	11 AMPS	11 LUMINAIRES, #10 TO #20
IJ	8.0 AMPS	8 LUMINAIRES, #21 TO #28
KL	12 AMPS	9 LUMINAIRES, #29 TO #37
TOTAL (H.H. NO. 3)	12 AMPS	17 LUMINAIRES, #21 TO #37

NOTE:
SEE SCHEDULE OF QUANTITIES FOR TREE PLANTING.